

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
 Data File : BP004592.D
 Acq On : 16 Jan 2021 00:00
 Operator : CG/JU
 Sample : M1156-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VCP-EXC-SOIL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP004592.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.399	369	376	388	rBV	1973613	3084625	50.43%	2.698%
2	6.981	634	645	661	rBV	1901092	3233061	52.85%	2.828%
3	7.805	776	785	792	rVV	629565	1113107	18.20%	0.974%
4	8.910	962	973	976	rBV2	155321	320126	5.23%	0.280%
5	8.963	976	982	996	rVB	1160094	2161546	35.34%	1.891%
6	9.152	1003	1014	1021	rBV9	62329	214235	3.50%	0.187%
7	9.787	1116	1122	1129	rVV6	94278	221238	3.62%	0.194%
8	9.851	1129	1133	1142	rVB3	90505	215580	3.52%	0.189%
9	9.999	1153	1158	1163	rBV2	180804	307249	5.02%	0.269%
10	10.599	1249	1260	1265	rVV	891178	1846695	30.19%	1.615%
11	10.651	1265	1269	1275	rVV2	408274	743242	12.15%	0.650%
12	10.716	1276	1280	1284	rVV	125944	210528	3.44%	0.184%
13	10.763	1284	1288	1293	rVB	239471	354719	5.80%	0.310%
14	11.298	1376	1379	1387	rVB3	140254	270670	4.42%	0.237%
15	11.516	1410	1416	1423	rVB	159117	320241	5.24%	0.280%
16	11.634	1431	1436	1445	rBV	329457	649774	10.62%	0.568%
17	11.710	1445	1449	1454	rVB	126947	219264	3.58%	0.192%
18	11.793	1459	1463	1471	rVB3	157649	295084	4.82%	0.258%
19	12.257	1534	1542	1550	rVB4	199352	593202	9.70%	0.519%
20	12.487	1574	1581	1584	rBV	551551	953764	15.59%	0.834%
21	12.522	1585	1587	1592	rVV2	256086	329590	5.39%	0.288%
22	12.992	1662	1667	1672	rVB3	561642	863243	14.11%	0.755%
23	13.069	1674	1680	1692	rVB	2870494	4398227	71.90%	3.847%
24	13.392	1728	1735	1740	rVB4	212544	475658	7.78%	0.416%
25	13.445	1740	1744	1747	rBV2	137598	189635	3.10%	0.166%
26	13.481	1747	1750	1753	rBV	165361	215543	3.52%	0.189%
27	13.616	1766	1773	1787	rBV2	538391	1637415	26.77%	1.432%
28	13.775	1788	1800	1805	rBV	812099	1768640	28.91%	1.547%
29	13.828	1805	1809	1814	rVB	541465	760160	12.43%	0.665%
30	13.910	1820	1823	1825	rBV	186829	248923	4.07%	0.218%
31	13.940	1825	1828	1833	rVB	709348	864611	14.13%	0.756%
32	14.010	1836	1840	1843	rBV2	243359	344778	5.64%	0.302%
33	14.181	1861	1869	1874	rBV4	253126	567572	9.28%	0.496%
34	14.292	1884	1888	1894	rVB6	182455	358605	5.86%	0.314%
35	14.457	1907	1916	1921	rBV	1444363	2392996	39.12%	2.093%
36	14.516	1921	1926	1935	rVV3	583151	1153350	18.85%	1.009%

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Peak Location: TOP

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Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	14.587	1935	1938	1945	rVB5	116624	198002	3.24%	0.173%
38	14.669	1946	1952	1961	rVB	372880	1008379	16.48%	0.882%
39	14.751	1963	1966	1975	rBV7	92781	239693	3.92%	0.210%
40	14.857	1979	1984	1991	rVV2	818680	1411427	23.07%	1.235%
41	14.934	1993	1997	2001	rVV	433301	609896	9.97%	0.534%
42	14.981	2001	2005	2016	rVB10	226343	522090	8.54%	0.457%
43	15.081	2017	2022	2026	rBV	363563	687427	11.24%	0.601%
44	15.128	2027	2030	2035	rVB	321393	479262	7.83%	0.419%
45	15.286	2054	2057	2062	rVB3	231846	323595	5.29%	0.283%
46	15.510	2089	2095	2099	rBV2	756889	1253787	20.50%	1.097%
47	15.551	2099	2102	2107	rVB3	199432	361590	5.91%	0.316%
48	15.634	2113	2116	2119	rVB2	241344	307782	5.03%	0.269%
49	15.675	2119	2123	2126	rBV4	214936	289564	4.73%	0.253%
50	15.722	2126	2131	2137	rVB	871897	1221193	19.96%	1.068%
51	15.957	2165	2171	2178	rVB	2690493	4128021	67.48%	3.611%
52	16.022	2179	2182	2186	rBV3	142564	215391	3.52%	0.188%
53	16.204	2207	2213	2224	rVB2	1441257	2424570	39.64%	2.121%
54	16.516	2260	2266	2270	rVB4	208572	419317	6.85%	0.367%
55	16.575	2271	2276	2281	rBV4	372409	663278	10.84%	0.580%
56	16.722	2297	2301	2304	rBV2	156151	272154	4.45%	0.238%
57	17.028	2349	2353	2363	rVB2	1026220	1810874	29.60%	1.584%
58	17.216	2380	2385	2389	rBV	1734442	2614010	42.73%	2.287%
59	17.263	2389	2393	2399	rVB	3405014	4837701	79.09%	4.232%
60	17.351	2404	2408	2413	rVV	983372	1342056	21.94%	1.174%
61	17.416	2415	2419	2424	rVB2	187685	334148	5.46%	0.292%
62	17.628	2450	2455	2467	rVB2	537308	1108561	18.12%	0.970%
63	18.086	2529	2533	2538	rBV	499168	888248	14.52%	0.777%
64	18.133	2538	2541	2547	rVB	776254	1060289	17.33%	0.927%
65	18.216	2551	2555	2559	rVV2	244022	430870	7.04%	0.377%
66	18.275	2560	2565	2569	rVV3	687915	1278148	20.90%	1.118%
67	18.310	2569	2571	2576	rVB	269033	339643	5.55%	0.297%
68	18.569	2612	2615	2620	rBV	247479	335195	5.48%	0.293%
69	18.810	2653	2656	2659	rVV2	188620	214793	3.51%	0.188%
70	18.863	2662	2665	2668	rVB	189760	218796	3.58%	0.191%
71	18.975	2680	2684	2689	rBV	387009	652820	10.67%	0.571%
72	19.233	2723	2728	2734	rBV	4182387	5425706	88.70%	4.746%
73	19.586	2784	2788	2796	rVB	3175744	4719404	77.15%	4.128%
74	19.657	2796	2800	2806	rVB3	272775	435776	7.12%	0.381%
75	19.780	2815	2821	2826	rBV	4999587	6116984	100.00%	5.351%
76	19.827	2826	2829	2834	rVB	181452	247349	4.04%	0.216%

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77	19.892	2836	2840	2848	rBV2	205959	497420	8.13%	0.435%
78	20.039	2860	2865	2866	rBV2	106912	191246	3.13%	0.167%
79	20.069	2866	2870	2876	rVB3	759189	1137487	18.60%	0.995%
80	20.169	2882	2887	2891	rBV	674747	878971	14.37%	0.769%
81	20.222	2893	2896	2900	rVV2	262522	408324	6.68%	0.357%
82	20.257	2900	2902	2907	rVB2	166485	197963	3.24%	0.173%
83	20.563	2951	2954	2960	rVB2	207767	334379	5.47%	0.292%
84	20.963	3019	3022	3025	rBV	267267	338561	5.53%	0.296%
85	21.016	3025	3031	3034	rBV2	495767	843019	13.78%	0.737%
86	21.080	3040	3042	3049	rVB3	195096	277794	4.54%	0.243%
87	21.304	3074	3080	3084	rBV3	3008179	5904022	96.52%	5.164%
88	21.345	3084	3087	3097	rVB	1706494	2331252	38.11%	2.039%
89	21.469	3102	3108	3115	rVB2	470070	798061	13.05%	0.698%
90	21.580	3124	3127	3131	rVB	192430	240638	3.93%	0.210%
91	21.633	3132	3136	3141	rVV2	257630	384653	6.29%	0.336%
92	22.080	3209	3212	3215	rBV	143914	201224	3.29%	0.176%
93	22.386	3261	3264	3269	rBV5	126816	195544	3.20%	0.171%
94	22.951	3352	3360	3365	rBV	1299221	3273080	53.51%	2.863%
95	23.127	3386	3390	3396	rVB	302354	505625	8.27%	0.442%
96	23.451	3440	3445	3454	rVB	688558	1428358	23.35%	1.249%
97	23.557	3456	3463	3471	rVB	1236356	2380625	38.92%	2.082%
98	23.657	3473	3480	3486	rBV	1534250	3187134	52.10%	2.788%
99	26.074	3883	3891	3902	rVB	579168	1734700	28.36%	1.517%
100	26.815	4010	4017	4032	rVB	411568	1304765	21.33%	1.141%

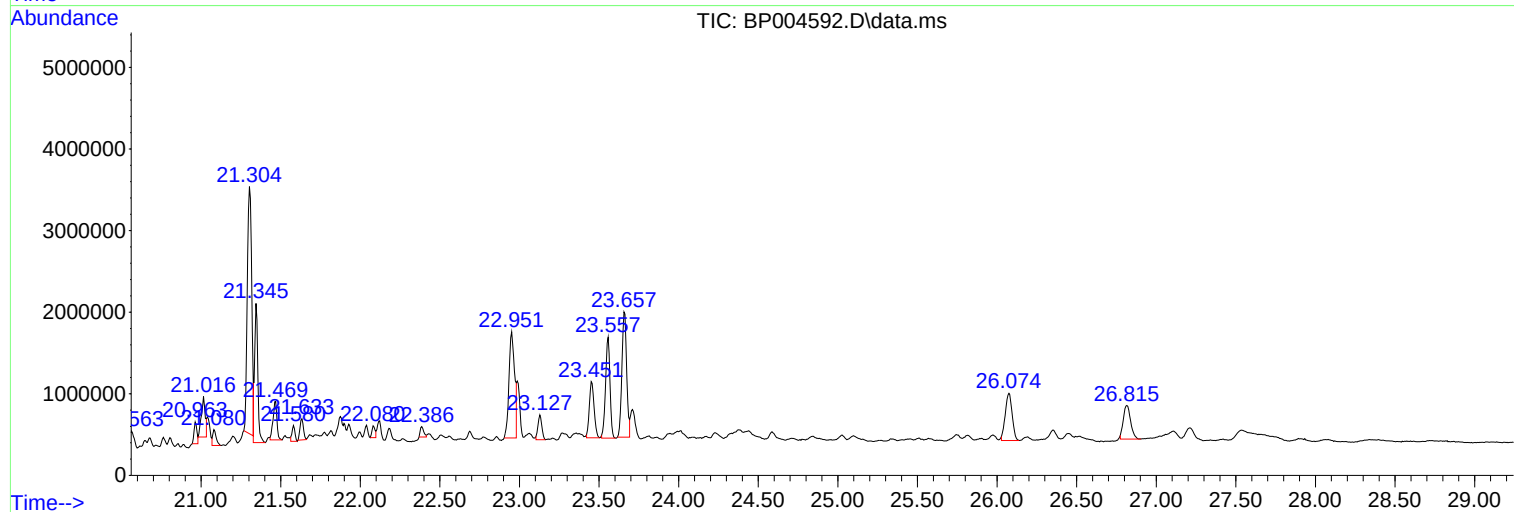
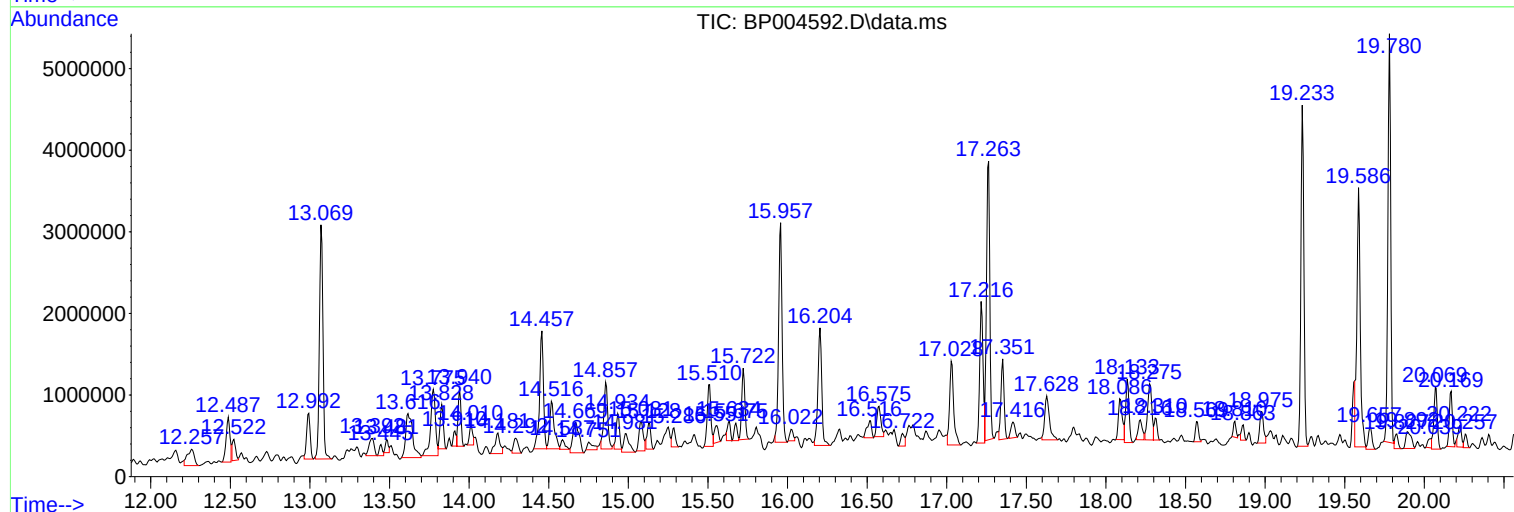
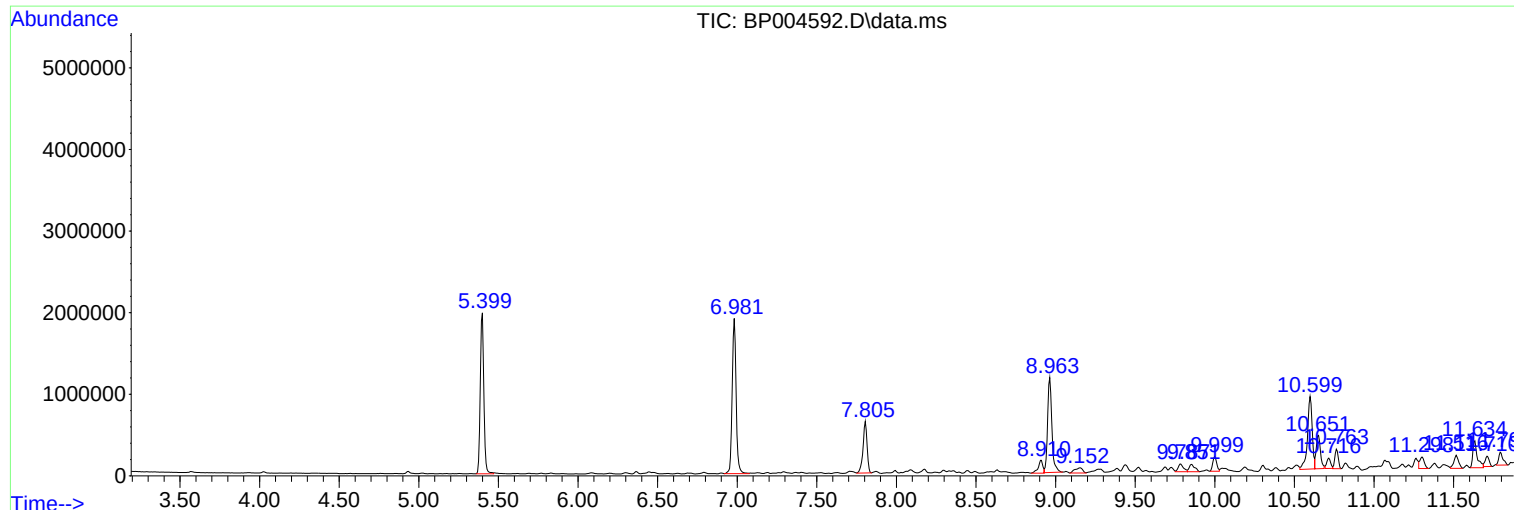
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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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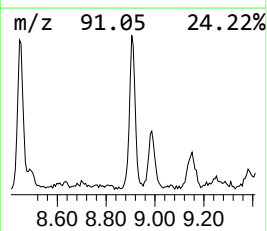
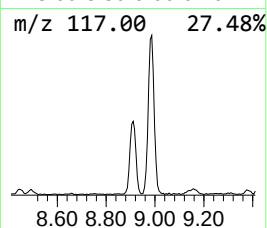
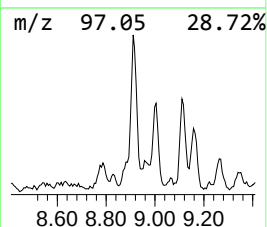
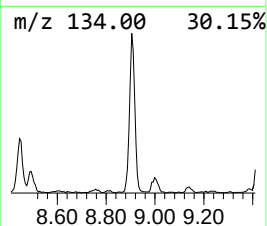
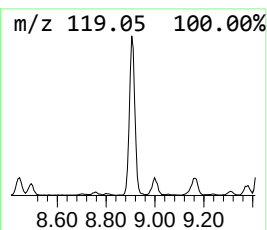
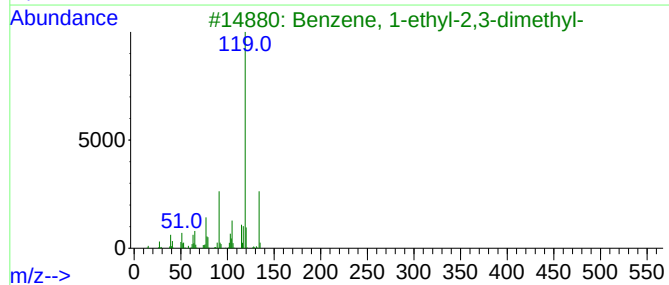
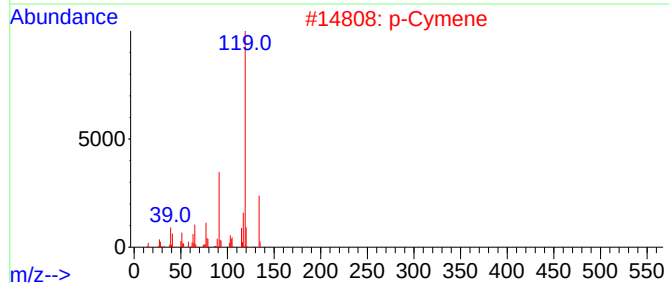
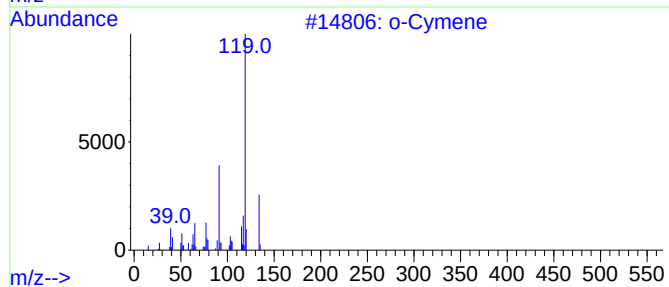
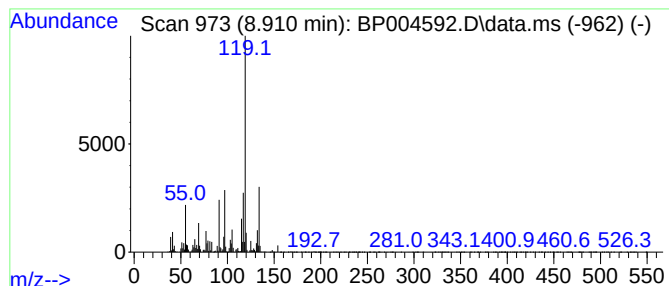
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 o-Cymene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.910	5.75 ng	320126	1,4-Dichlorobenzene-d4	7.805

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	70
2			p-Cymene	134	C10H14	000099-87-6	64
3			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64
5			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64



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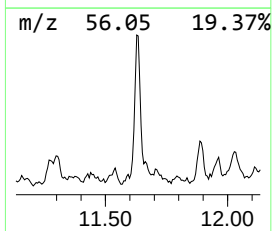
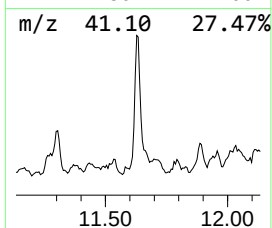
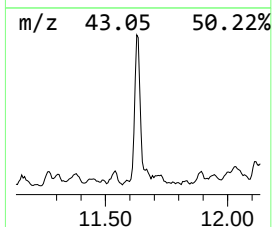
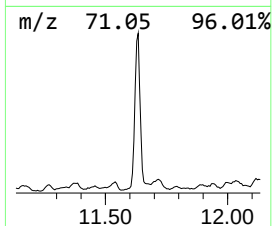
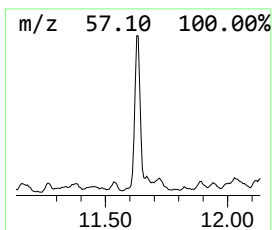
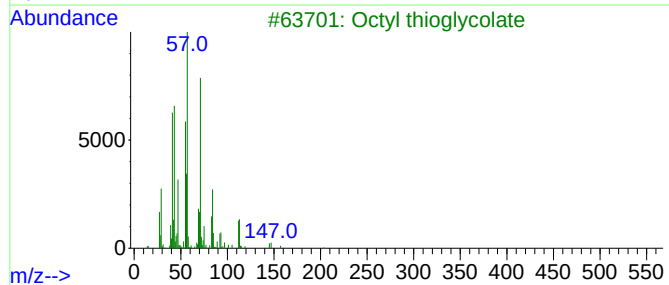
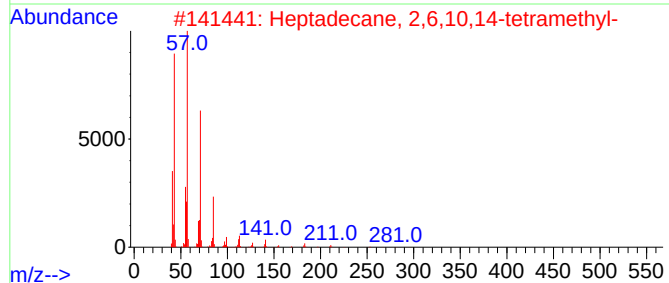
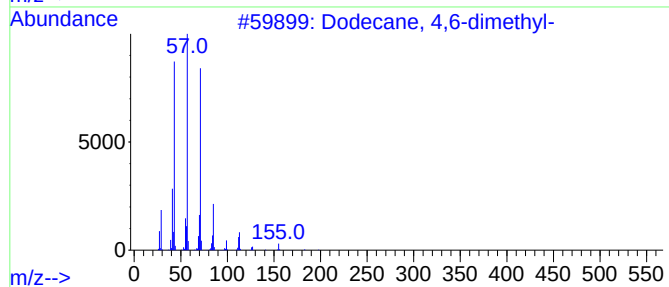
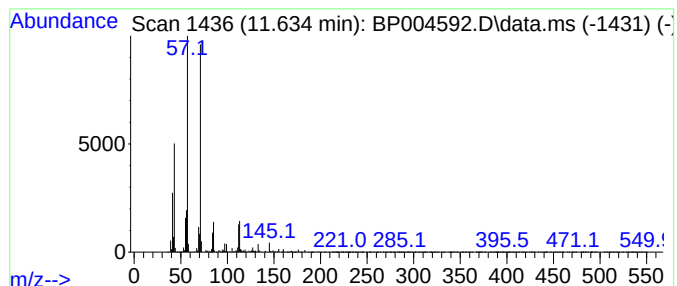
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Dodecane, 4,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.634	7.04 ng	649774	Naphthalene-d8	10.599

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72
2			Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	64
3			Octyl thioglycolate	204	C10H20O2S	007664-80-4	59
4			Decane, 5-propyl-	184	C13H28	017312-62-8	53
5			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	47



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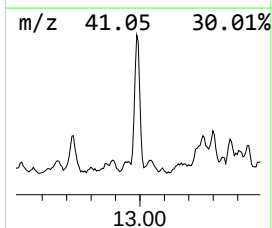
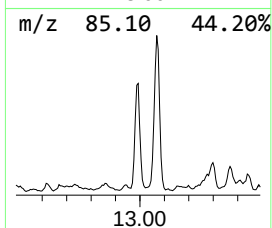
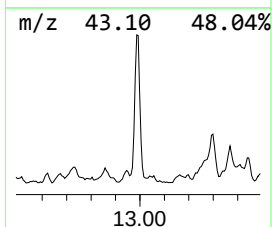
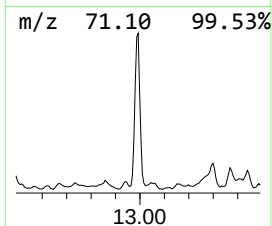
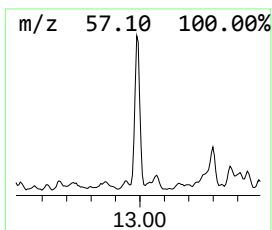
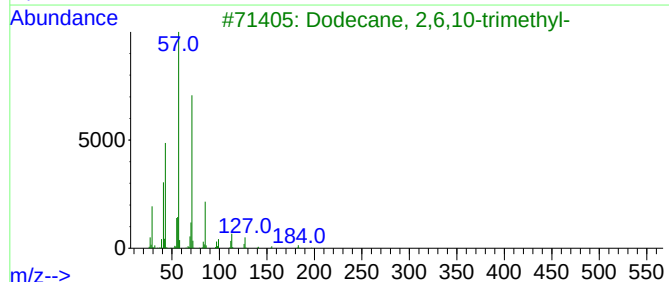
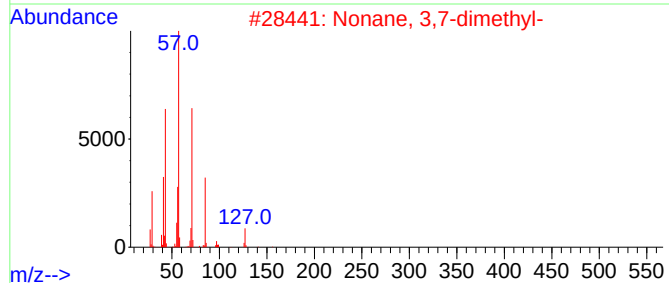
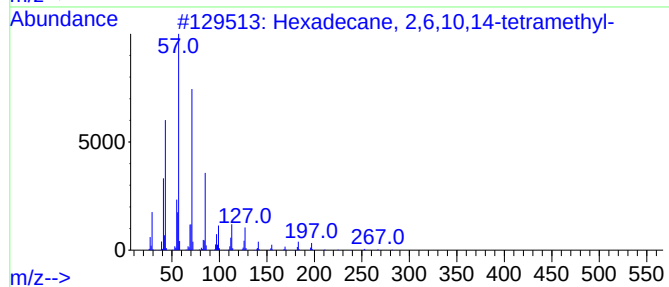
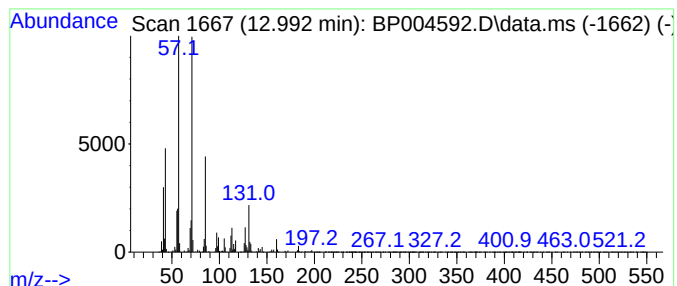
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Hexadecane, 2,6,10,14-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.993	7.21 ng	863243	Acenaphthene-d10	14.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
2			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	70
3			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
4			Decane, 5-propyl-	184	C13H28	017312-62-8	58
5			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004592.D
Acq On : 16 Jan 2021 00:00
Operator : CG/JU
Sample : M1156-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL

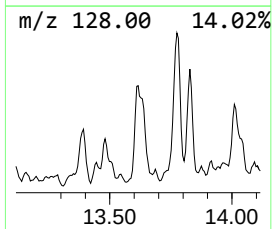
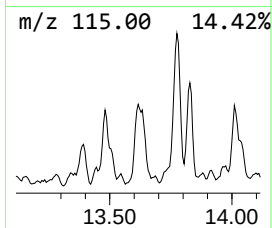
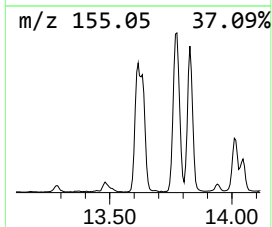
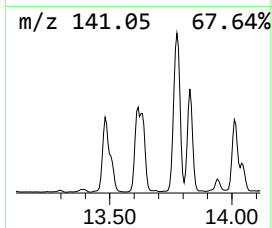
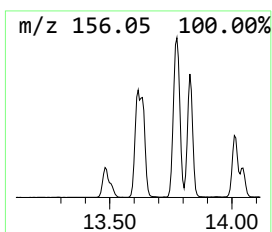
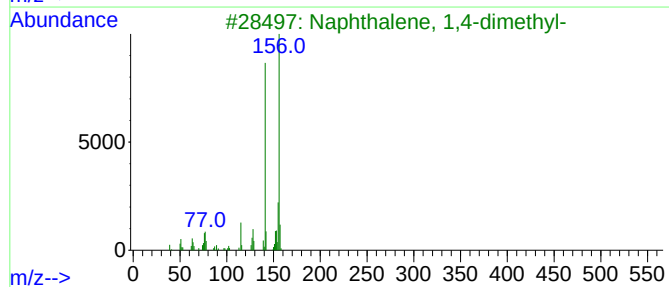
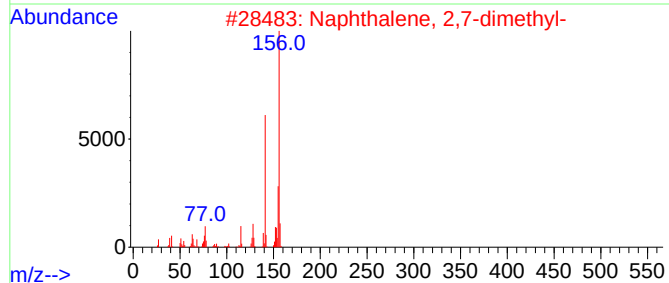
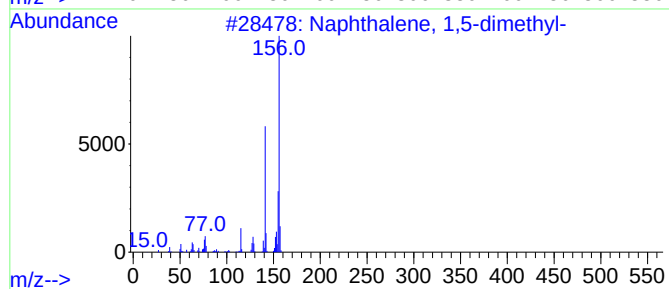
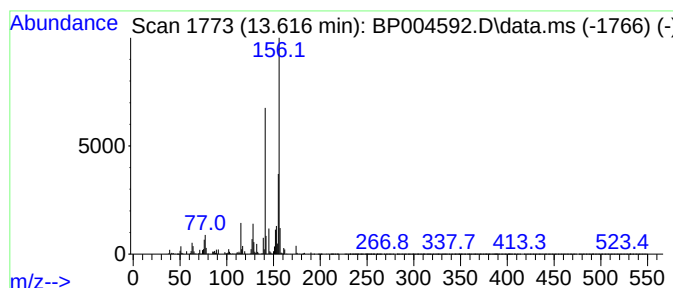
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.616	13.69 ng	1637420	Acenaphthene-d10	14.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004592.D
Acq On : 16 Jan 2021 00:00
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VCP-EXC-SOIL

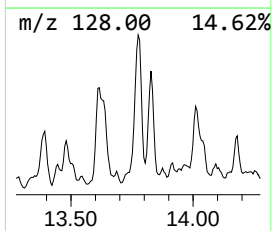
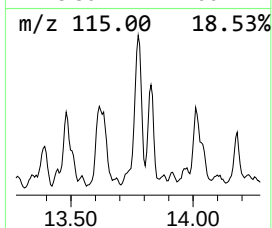
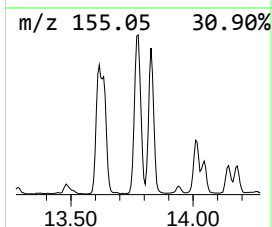
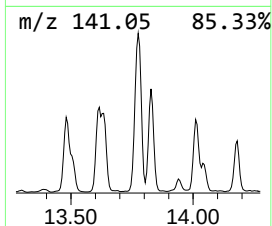
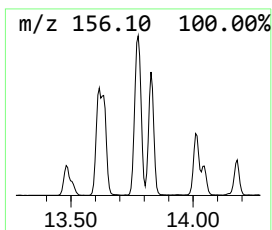
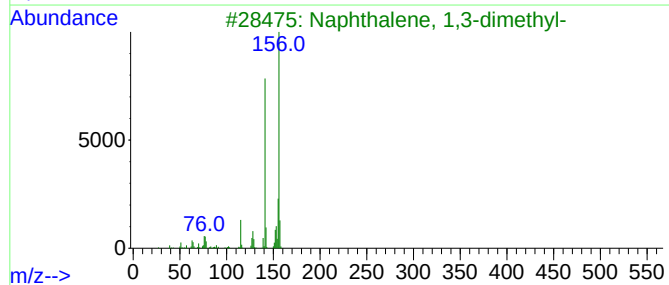
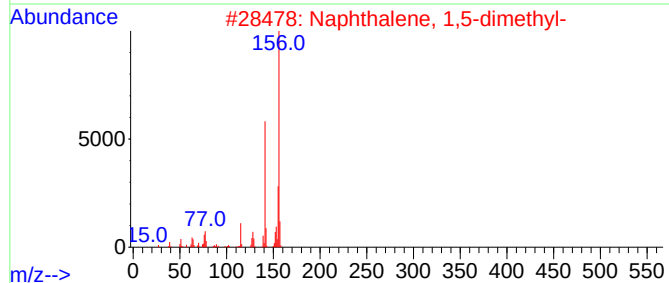
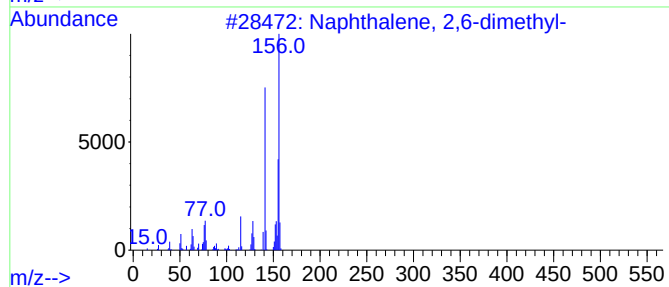
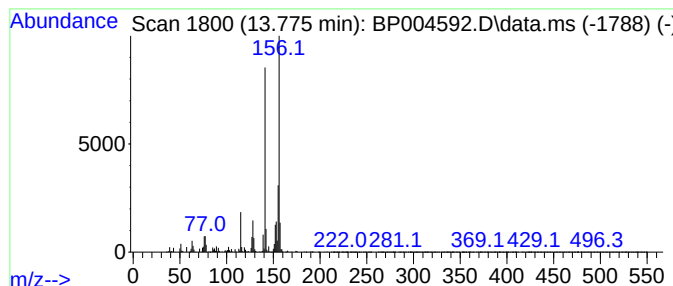
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.775	14.78 ng	1768640	Acenaphthene-d10	14.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004592.D
Acq On : 16 Jan 2021 00:00
Operator : CG/JU
Sample : M1156-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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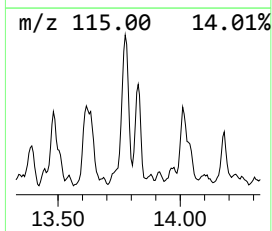
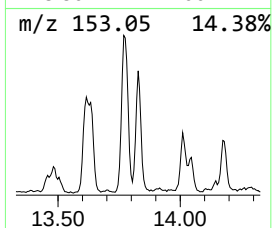
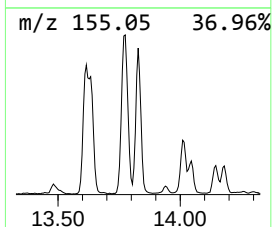
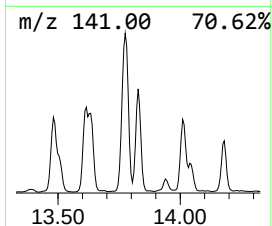
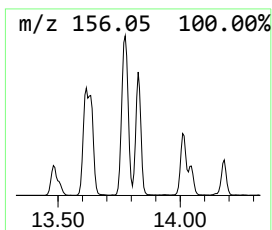
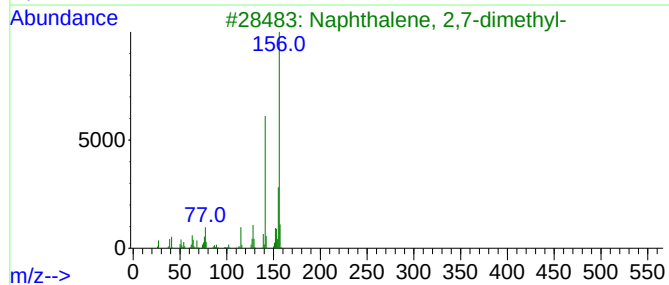
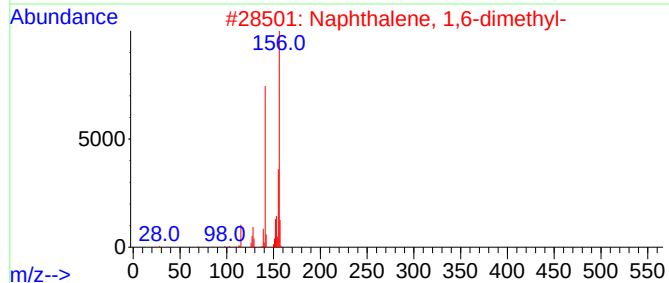
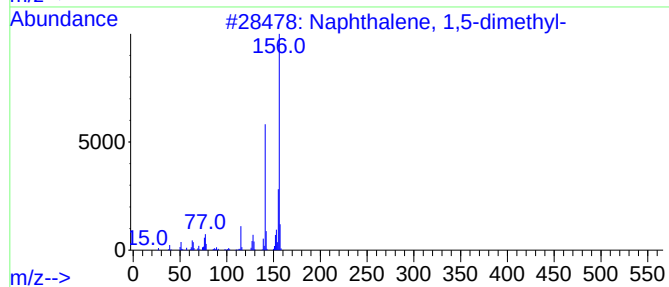
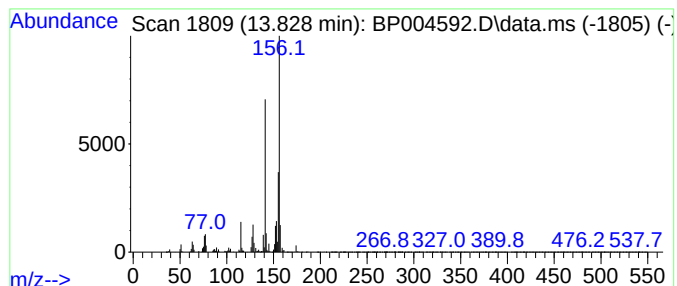
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, 1,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.828	6.35 ng	760160	Acenaphthene-d10	14.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004592.D
Acq On : 16 Jan 2021 00:00
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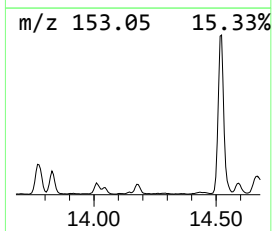
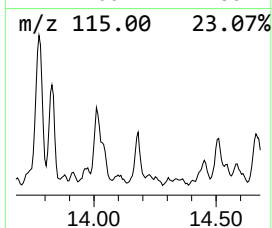
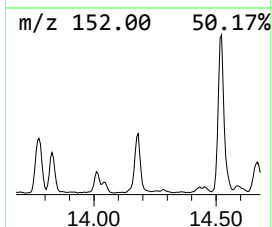
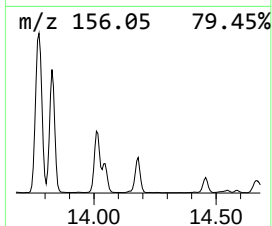
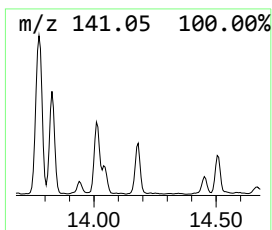
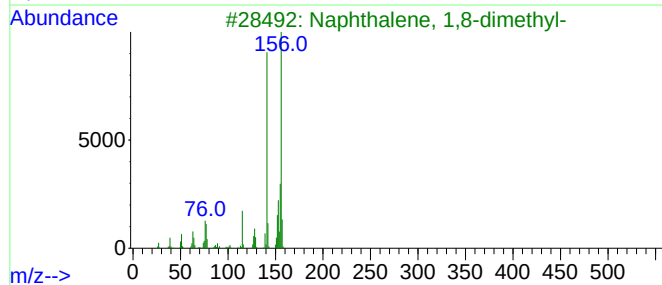
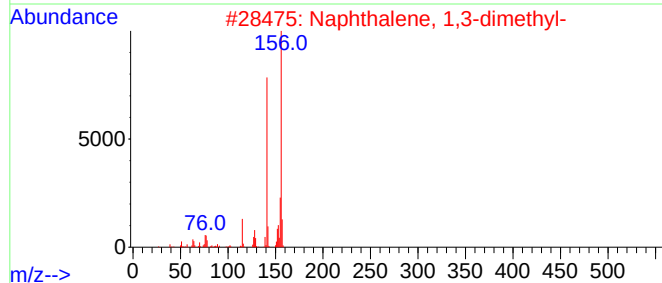
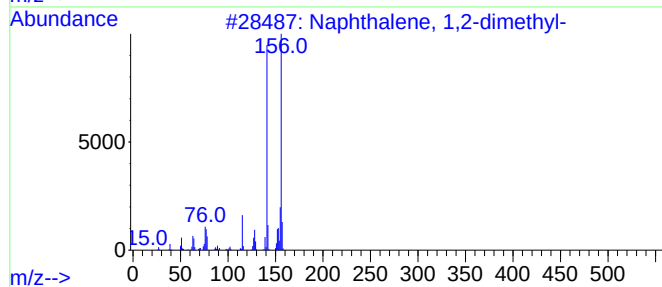
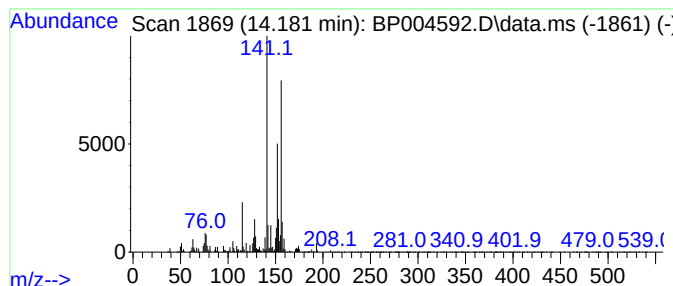
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Naphthalene, 1,2-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.181	4.74 ng	567572	Acenaphthene-d10	14.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	93
2			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90
3			Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	89
4			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	81
5			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004592.D
Acq On : 16 Jan 2021 00:00
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Sample : M1156-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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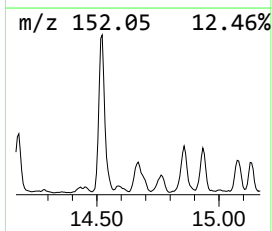
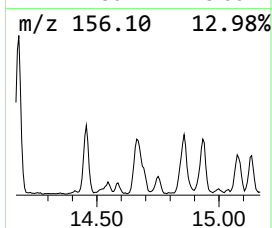
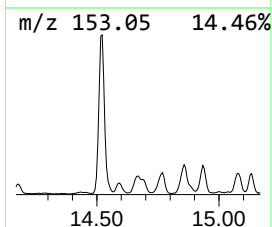
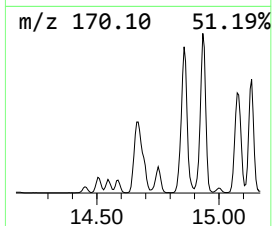
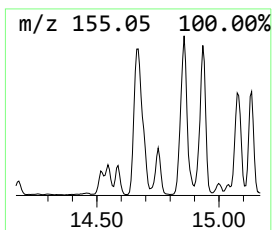
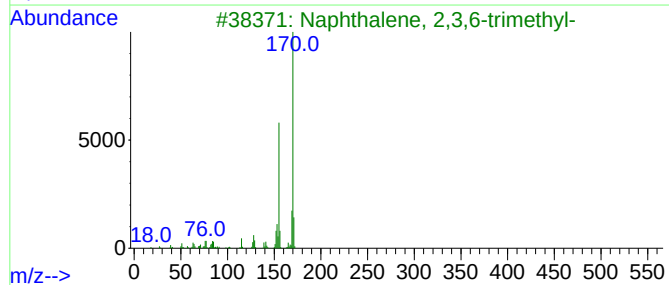
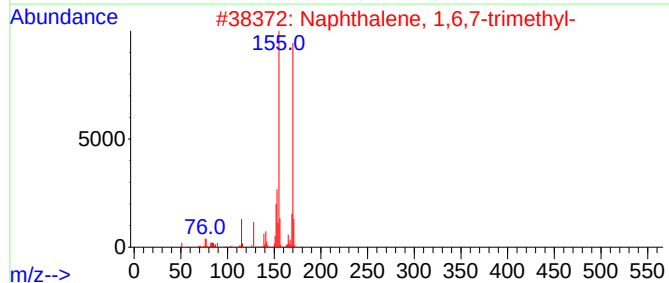
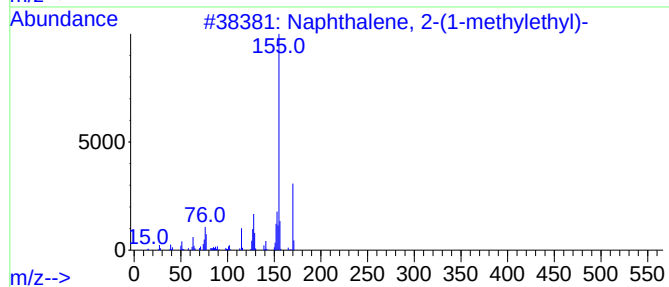
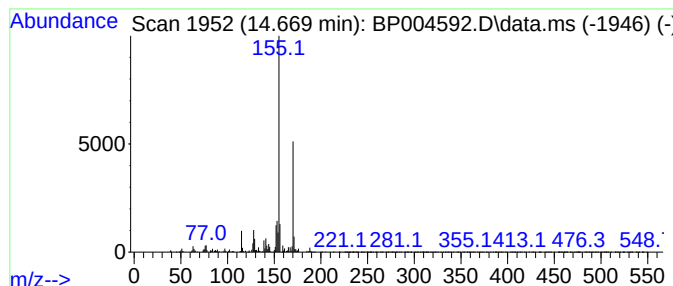
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphthalene, 2-(1-methyleth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.669	8.43 ng	1008380	Acenaphthene-d10	14.457

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	89
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	87
4		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	80
5		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004592.D
Acq On : 16 Jan 2021 00:00
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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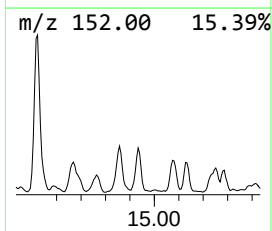
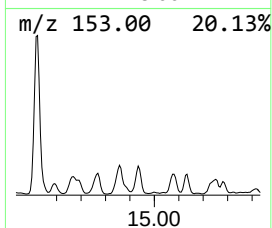
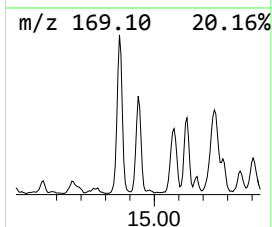
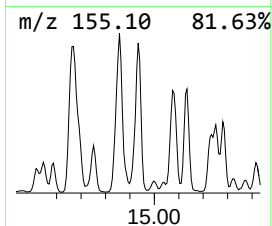
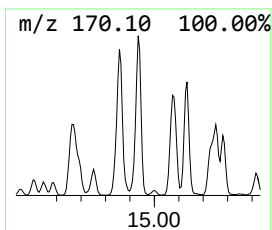
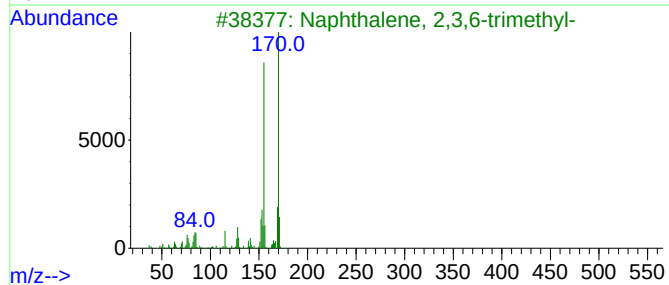
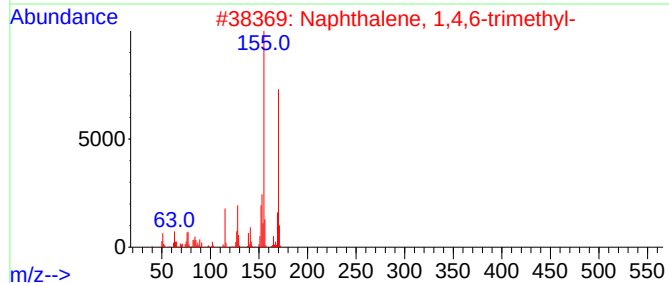
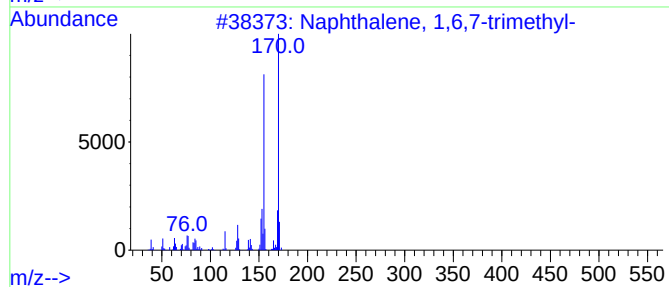
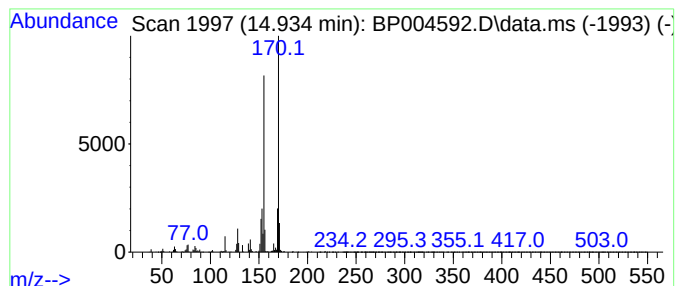
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.934	5.10 ng	609896	Acenaphthene-d10	14.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
5			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004592.D
Acq On : 16 Jan 2021 00:00
Operator : CG/JU
Sample : M1156-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL

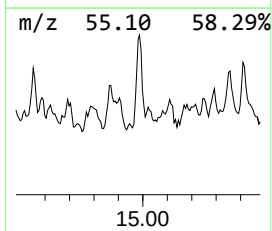
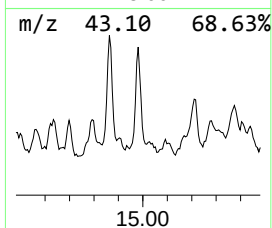
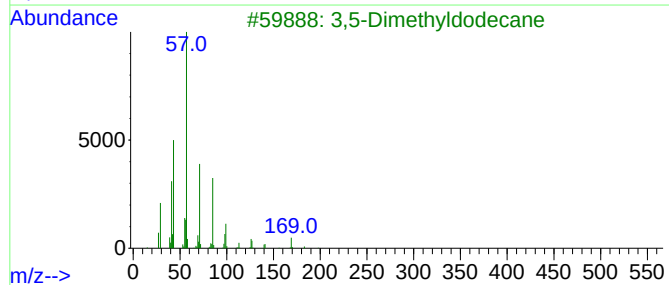
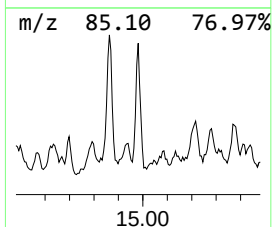
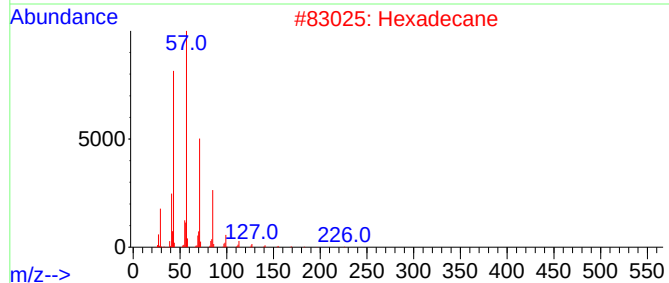
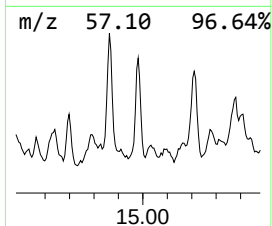
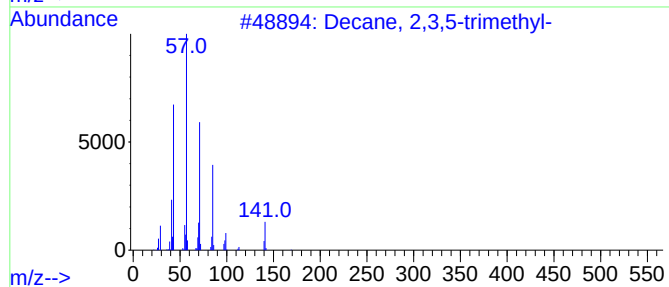
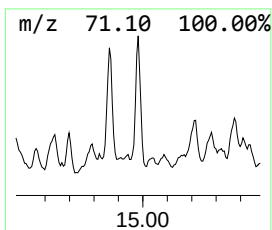
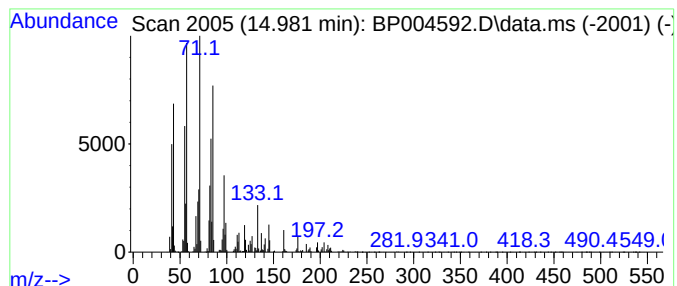
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 unknown14.981 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.981	4.36 ng	522090	Acenaphthene-d10	14.457

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	49
2			Hexadecane	226	C16H34	000544-76-3	47
3			3,5-Dimethyldodecane	198	C14H30	107770-99-0	46
4			Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	38
5			Decane, 1-iodo-	268	C10H21I	002050-77-3	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004592.D
Acq On : 16 Jan 2021 00:00
Operator : CG/JU
Sample : M1156-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL

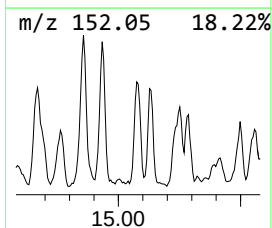
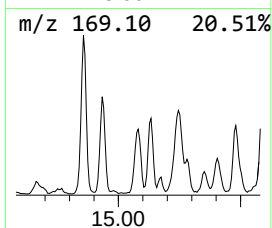
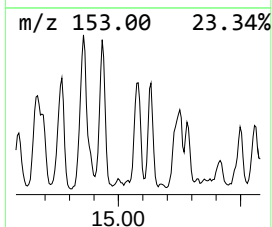
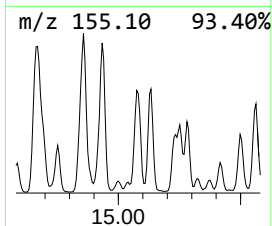
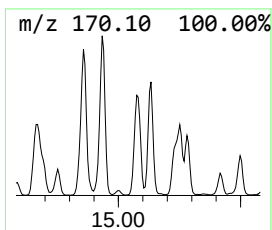
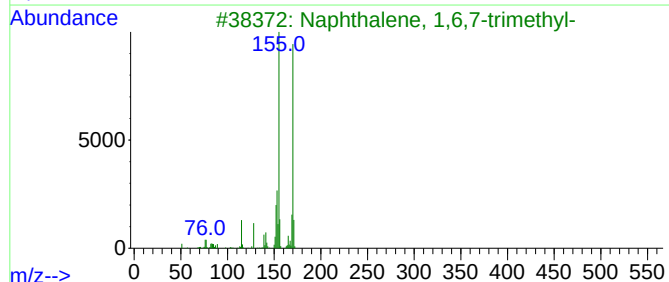
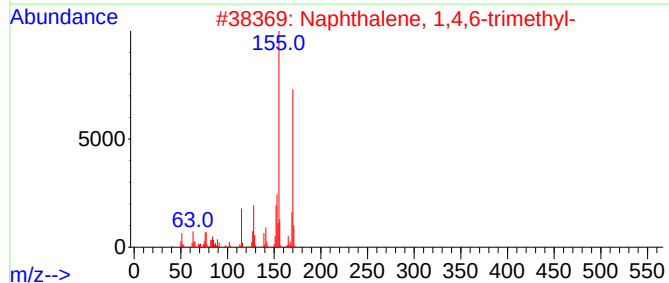
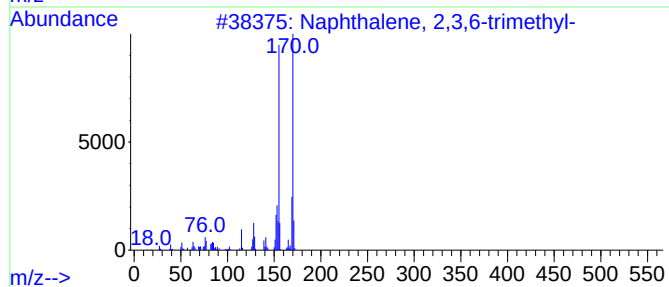
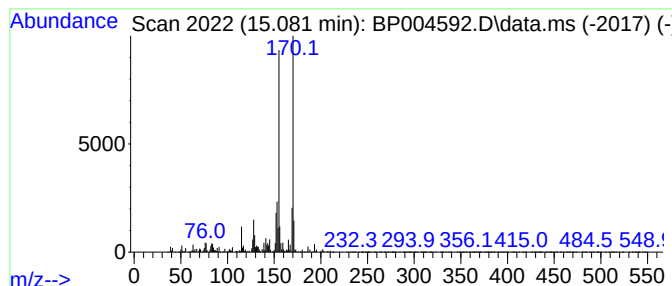
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Naphthalene, 2,3,6-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.081	5.75 ng	687427	Acenaphthene-d10	14.457

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
5		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004592.D
Acq On : 16 Jan 2021 00:00
Operator : CG/JU
Sample : M1156-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

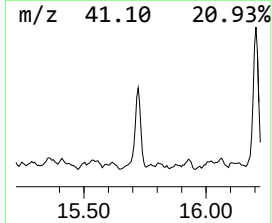
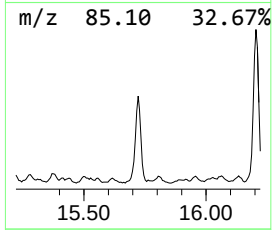
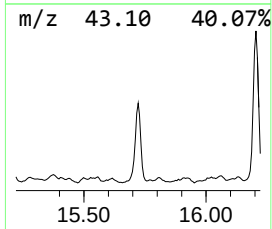
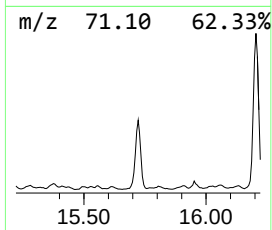
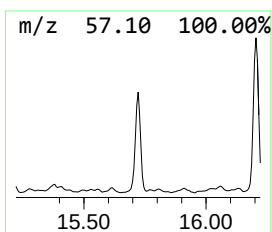
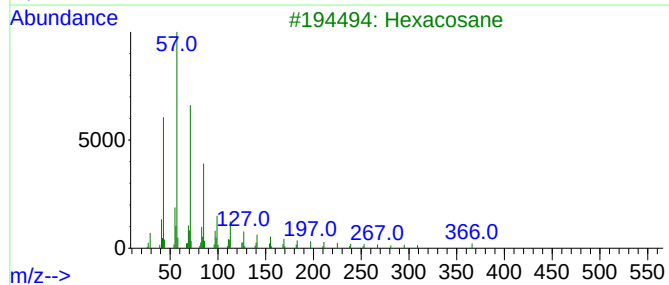
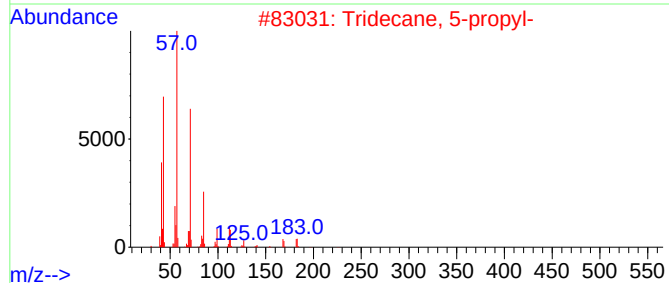
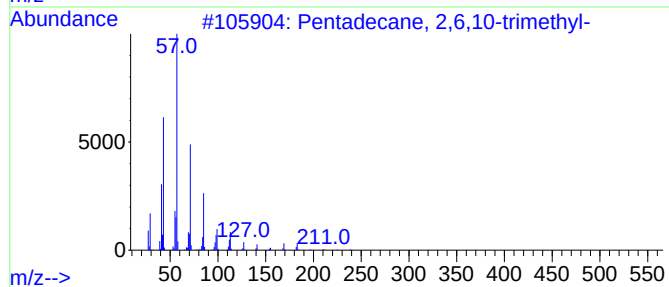
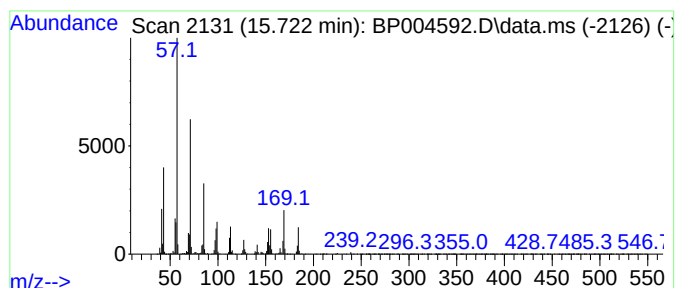
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ClientSampleId :
VCP-EXC-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Pentadecane, 2,6,10-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.722	10.21 ng	1221190	Acenaphthene-d10	14.457	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	64
3	Hexacosane	366	C26H54	000630-01-3	52
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	52
5	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004592.D
Acq On : 16 Jan 2021 00:00
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Sample : M1156-01
Misc :
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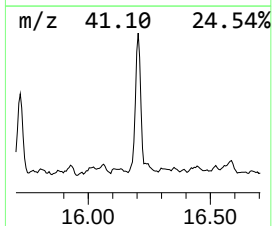
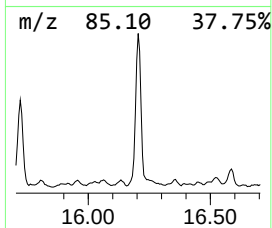
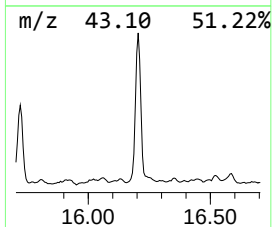
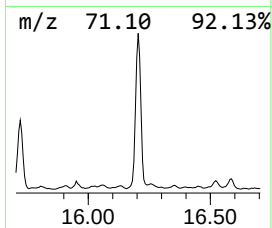
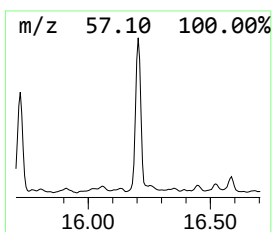
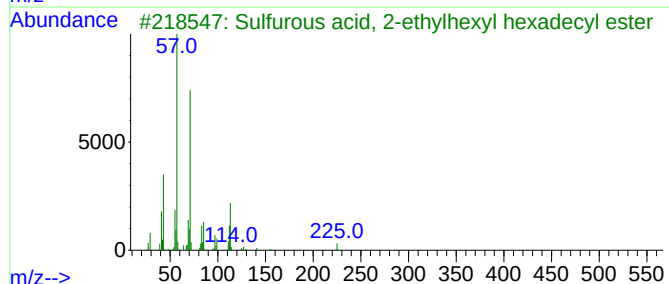
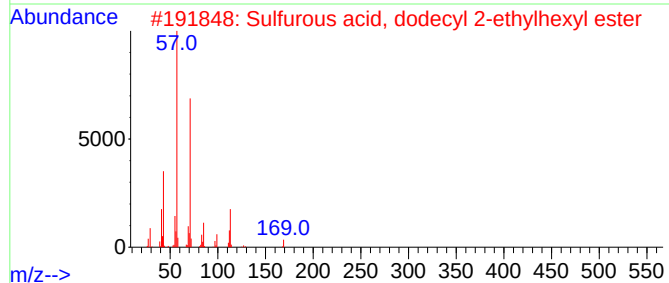
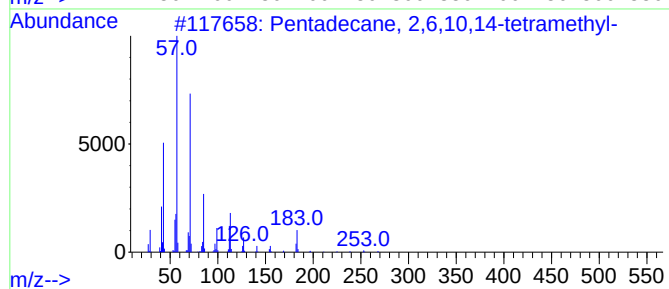
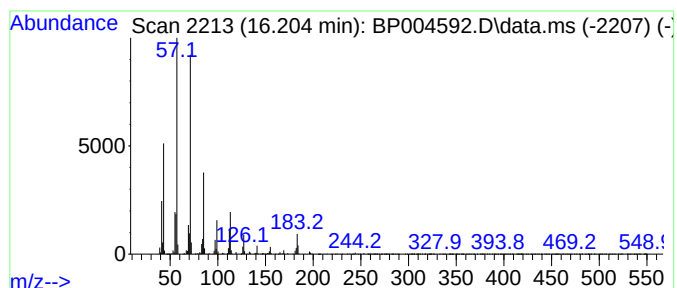
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Pentadecane, 2,6,10,14-tetr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.204	18.55 ng	2424570	Phenanthrene-d10	17.216	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	91
2	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	72
3	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	72
4	Sulfurous acid, 2-ethylhexyl tet...	390	C22H46O3S	1000309-19-7	72
5	Heptacosane	380	C27H56	000593-49-7	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004592.D
Acq On : 16 Jan 2021 00:00
Operator : CG/JU
Sample : M1156-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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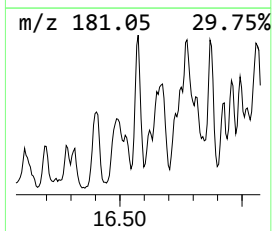
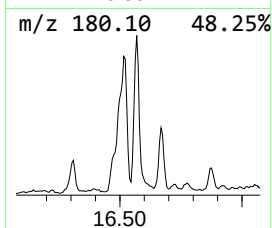
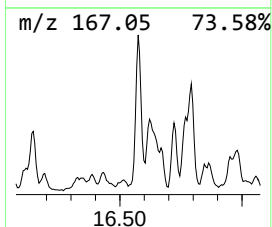
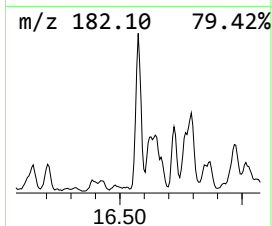
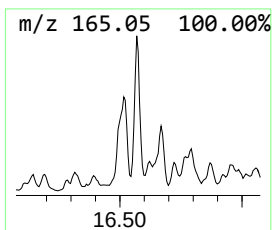
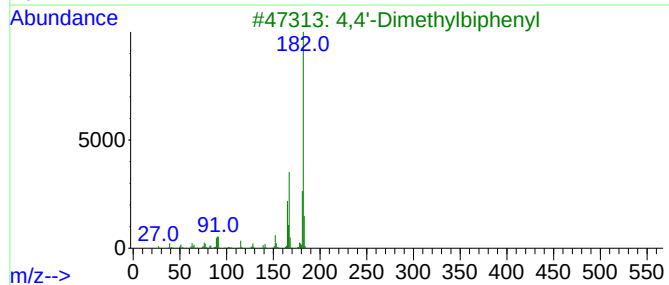
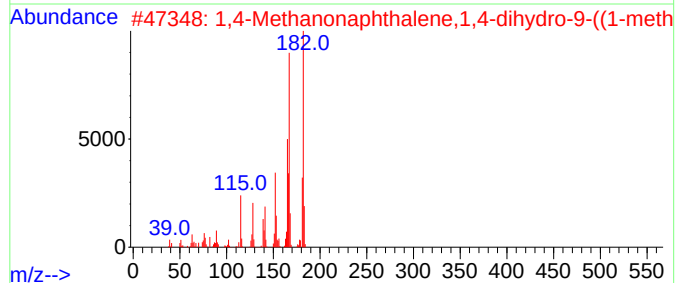
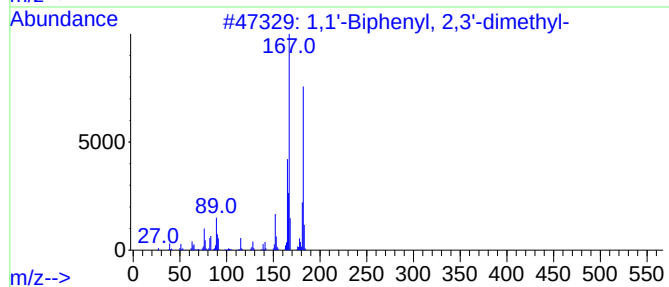
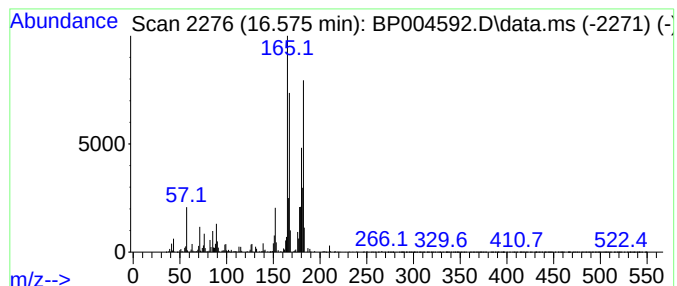
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 1,1'-Biphenyl, 2,3'-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.575	5.07 ng	663278	Phenanthrene-d10	17.216

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	60
2			1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	58
3			4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	58
4			1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	52
5			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004592.D
Acq On : 16 Jan 2021 00:00
Operator : CG/JU
Sample : M1156-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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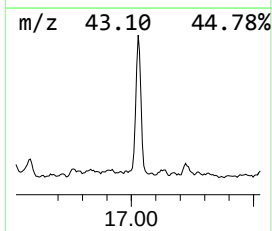
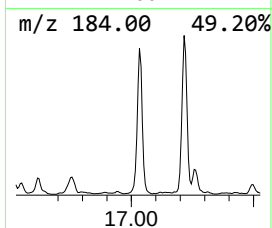
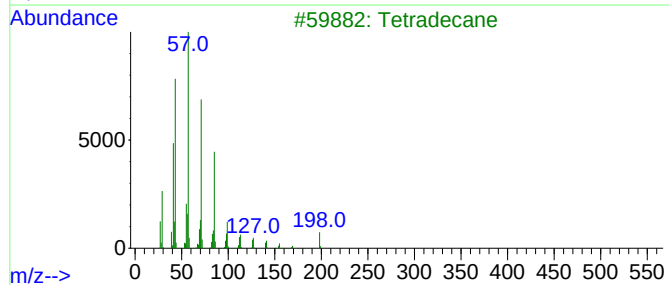
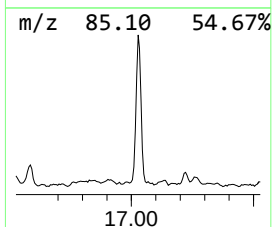
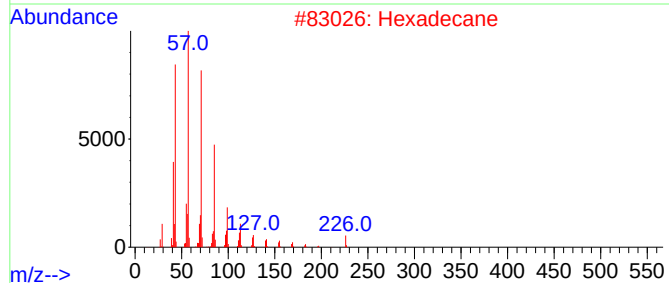
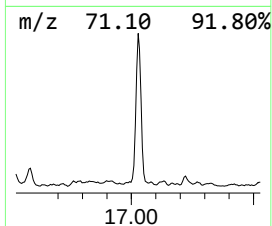
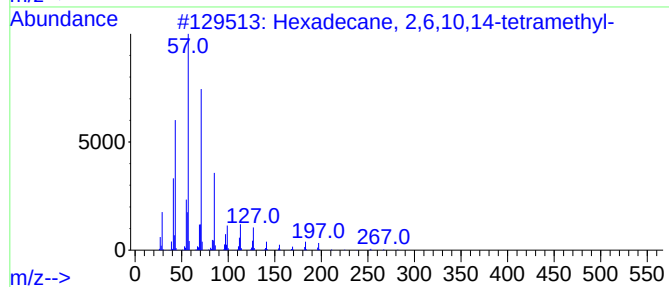
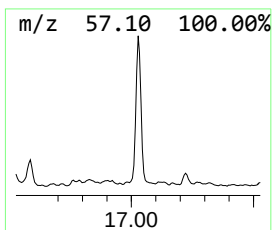
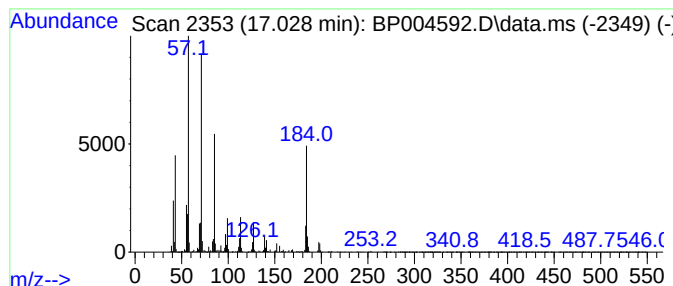
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Hexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.028	13.86 ng	1810870	Phenanthrene-d10	17.216

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	62
2			Hexadecane	226	C16H34	000544-76-3	62
3			Tetradecane	198	C14H30	000629-59-4	62
4			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	58
5			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004592.D
Acq On : 16 Jan 2021 00:00
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ALS Vial : 14 Sample Multiplier: 1

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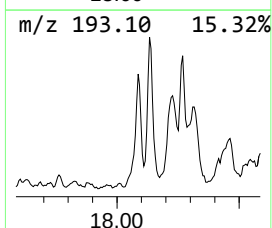
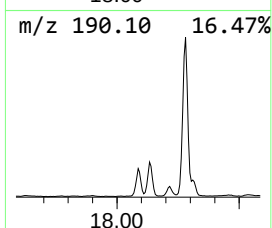
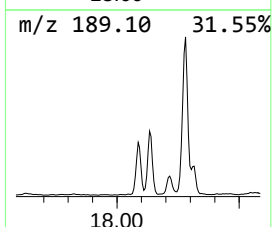
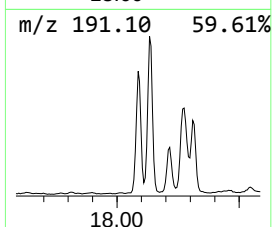
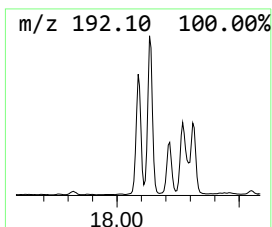
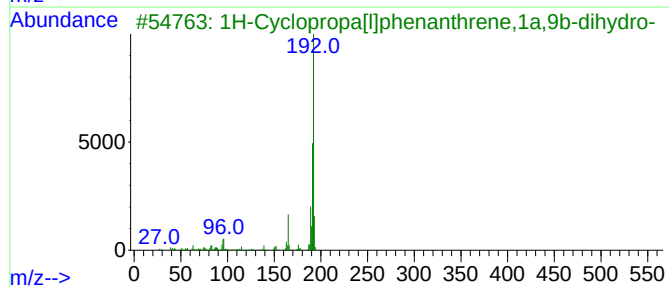
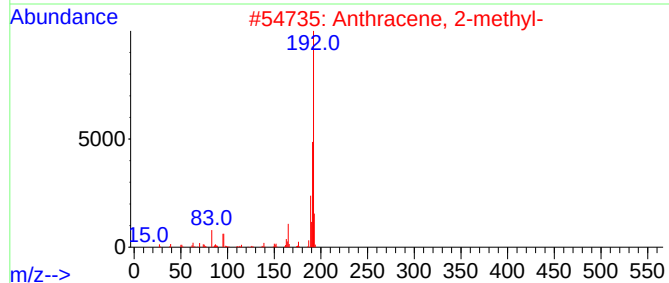
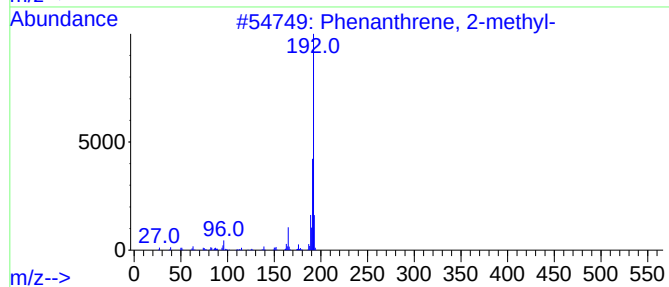
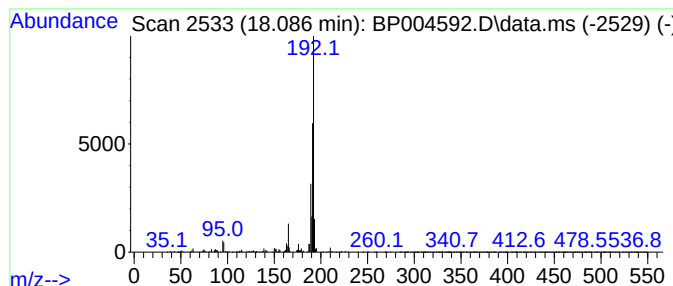
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.086	6.80 ng	888248	Phenanthrene-d10	17.216

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004592.D
Acq On : 16 Jan 2021 00:00
Operator : CG/JU
Sample : M1156-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL

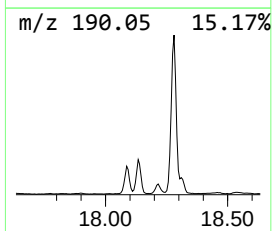
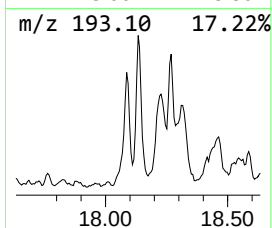
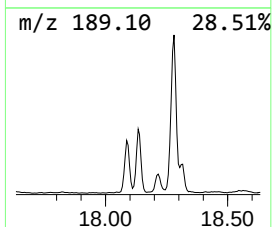
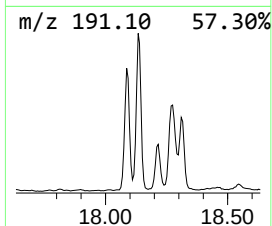
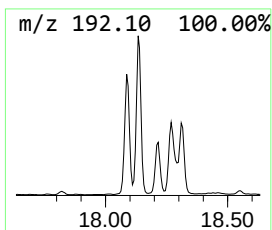
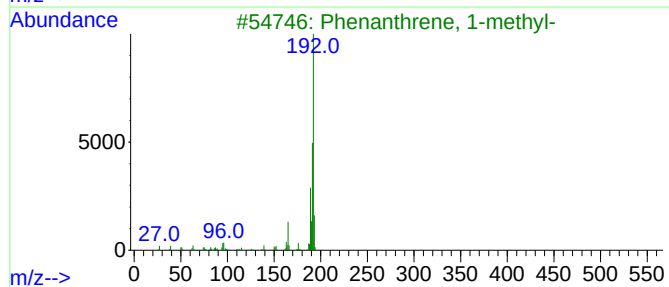
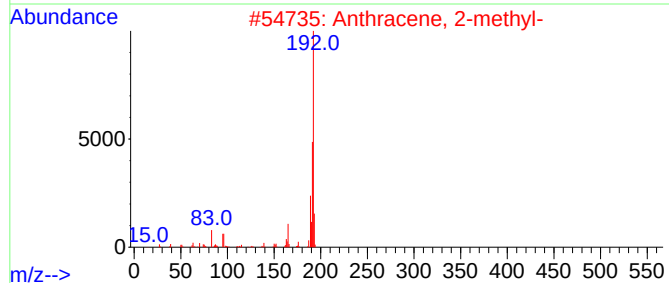
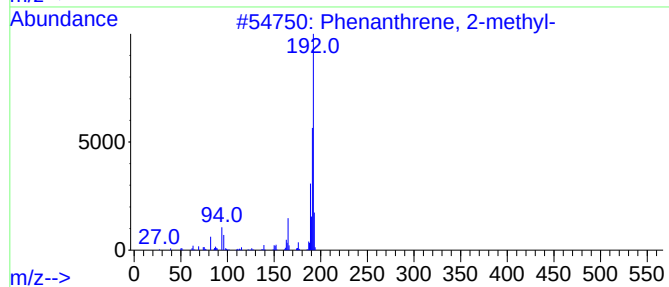
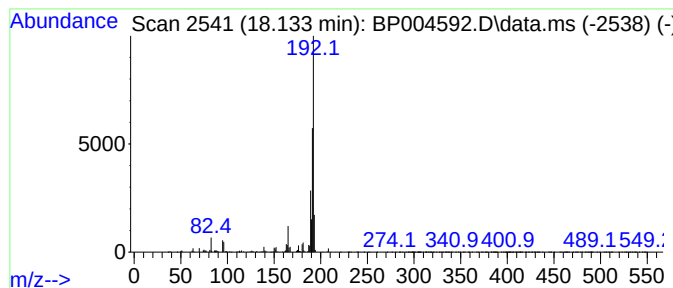
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.133	8.11 ng	1060290	Phenanthrene-d10	17.216

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	92



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004592.D
Acq On : 16 Jan 2021 00:00
Operator : CG/JU
Sample : M1156-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

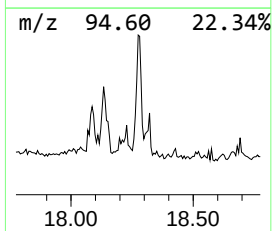
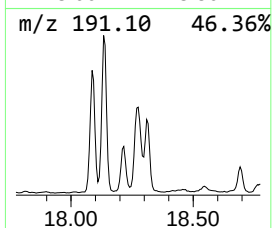
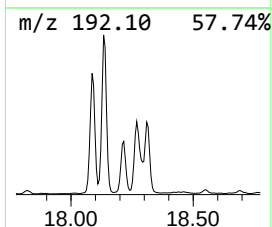
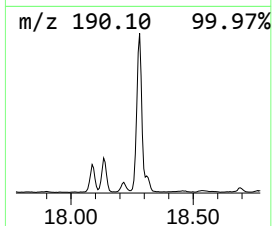
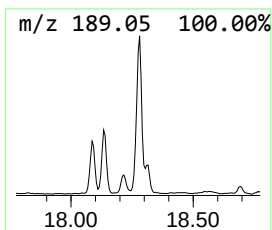
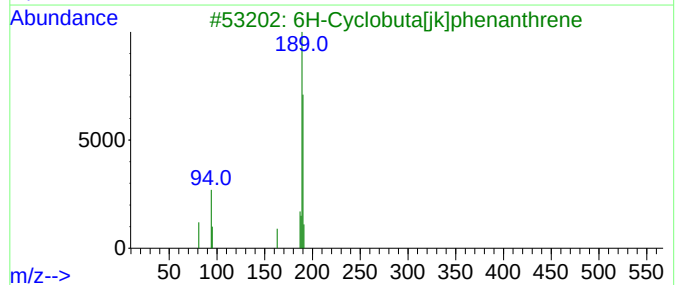
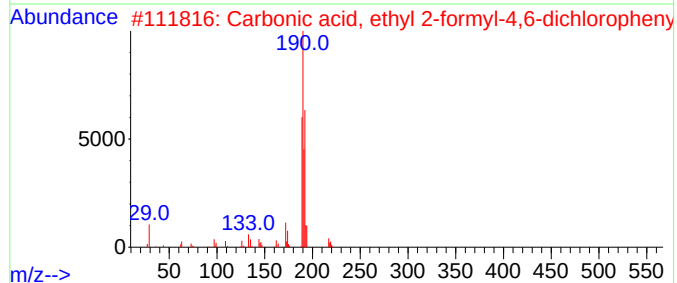
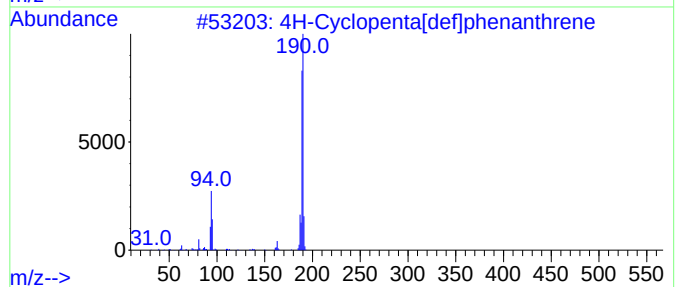
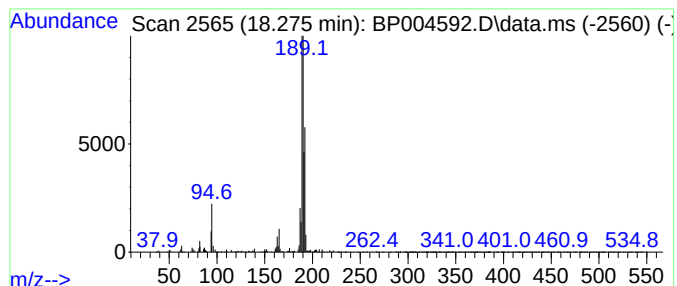
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.275	9.78 ng	1278150	Phenanthrene-d10		17.216	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene		190	C15H10	000203-64-5	92
2	Carbonic acid, ethyl 2-formyl-4,...		262	C10H8Cl2O4	1000331-34-4	50
3	6H-Cyclobuta[jk]phenanthrene		190	C15H10	083469-43-6	40
4	2,6-Dichlorobenzaldoxime		189	C7H5Cl2NO	025185-95-9	27
5	5H-Dibenzo[a,d]cycloheptene		192	C15H12	000256-81-5	18



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004592.D
Acq On : 16 Jan 2021 00:00
Operator : CG/JU
Sample : M1156-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

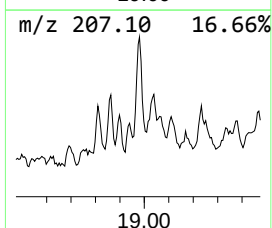
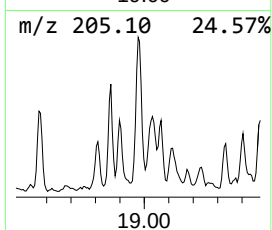
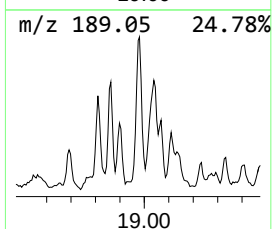
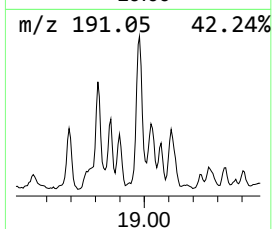
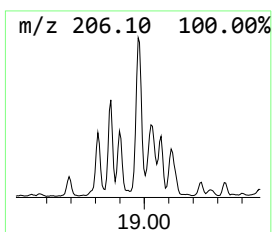
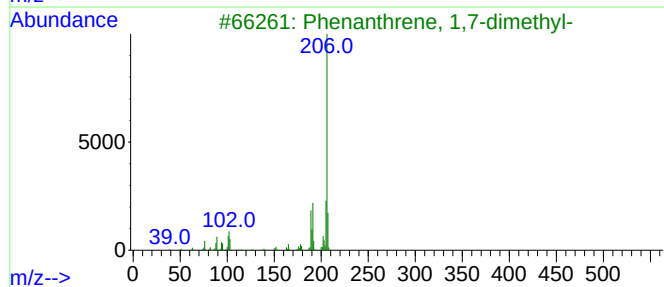
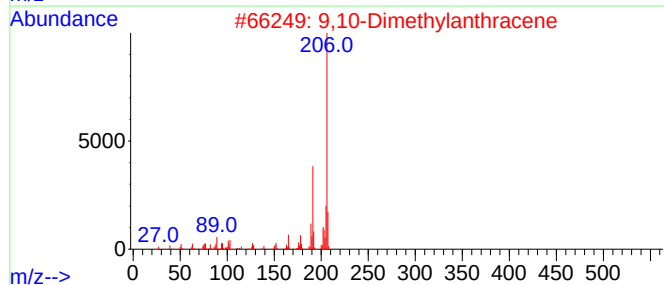
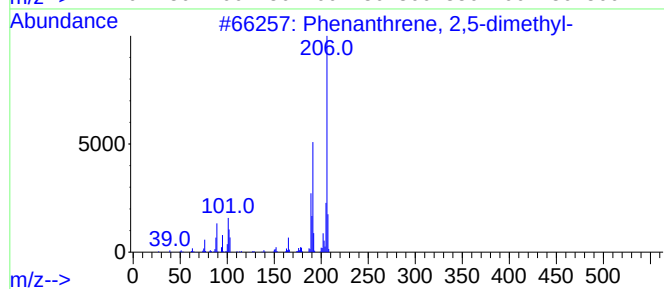
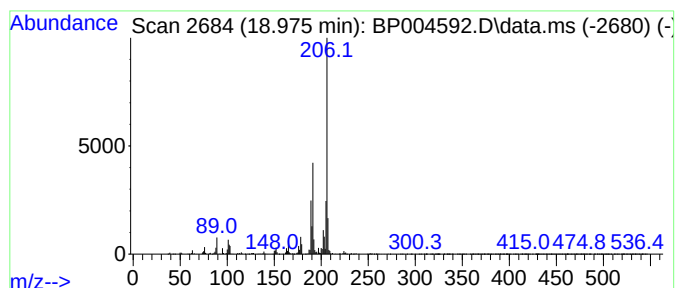
Instrument :
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ClientSampleId :
VCP-EXC-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.974	4.99 ng	652820	Phenanthrene-d10	17.216	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004592.D
Acq On : 16 Jan 2021 00:00
Operator : CG/JU
Sample : M1156-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
VCP-EXC-SOIL

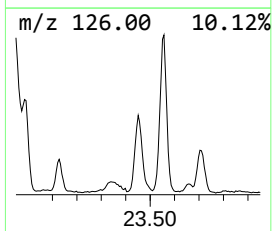
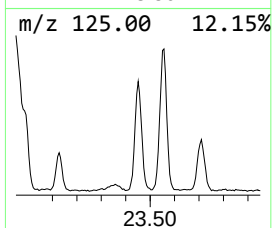
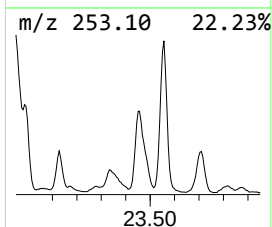
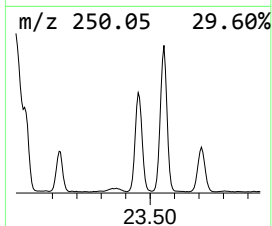
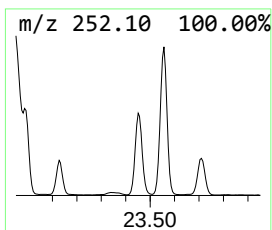
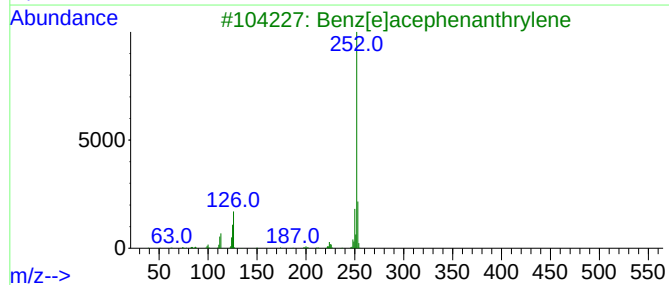
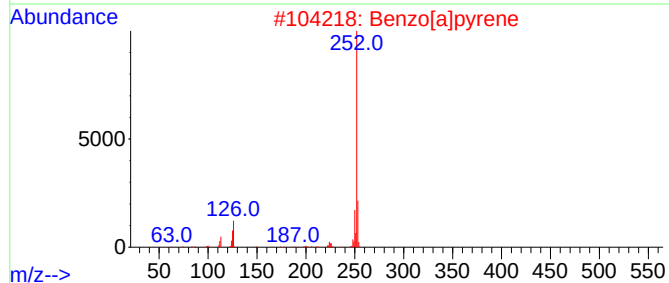
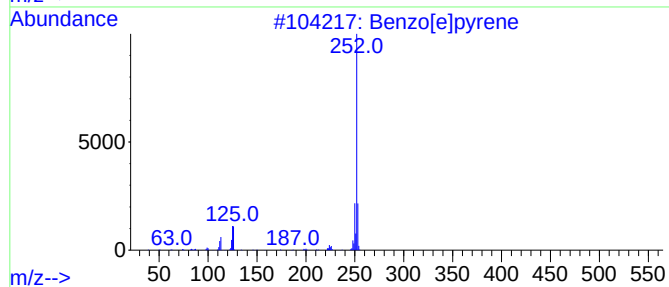
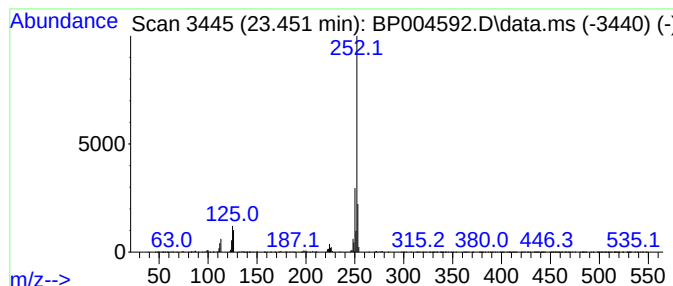
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.451	8.96 ng	1428360	Perylene-d12	23.657

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	99
2			Benzo[a]pyrene	252	C20H12	000050-32-8	97
3			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4			Perylene	252	C20H12	000198-55-0	95
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
 Data File : BP004592.D
 Acq On : 16 Jan 2021 00:00
 Operator : CG/JU
 Sample : M1156-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VCP-EXC-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
o-Cymene	8.910	5.8	ng	320126	1	7.805	1113110	20.0
Dodecane, 4,6-d...	11.634	7.0	ng	649774	2	10.599	1846700	20.0
Hexadecane, 2,6...	12.993	7.2	ng	863243	3	14.457	2393000	20.0
Naphthalene, 1,...	13.616	13.7	ng	1637420	3	14.457	2393000	20.0
Naphthalene, 2,...	13.775	14.8	ng	1768640	3	14.457	2393000	20.0
Naphthalene, 1,...	13.828	6.3	ng	760160	3	14.457	2393000	20.0
Naphthalene, 1,...	14.181	4.7	ng	567572	3	14.457	2393000	20.0
Naphthalene, 2-...	14.669	8.4	ng	1008380	3	14.457	2393000	20.0
Naphthalene, 1,...	14.934	5.1	ng	609896	3	14.457	2393000	20.0
unknown14.981	14.981	4.4	ng	522090	3	14.457	2393000	20.0
Naphthalene, 2,...	15.081	5.8	ng	687427	3	14.457	2393000	20.0
Pentadecane, 2,...	15.722	10.2	ng	1221190	3	14.457	2393000	20.0
Pentadecane, 2,...	16.204	18.6	ng	2424570	4	17.216	2614010	20.0
1,1'-Biphenyl, ...	16.575	5.1	ng	663278	4	17.216	2614010	20.0
Hexadecane	17.028	13.9	ng	1810870	4	17.216	2614010	20.0
Phenanthrene, 2...	18.086	6.8	ng	888248	4	17.216	2614010	20.0
Anthracene, 2-m...	18.133	8.1	ng	1060290	4	17.216	2614010	20.0
4H-Cyclopenta[d...	18.275	9.8	ng	1278150	4	17.216	2614010	20.0
Phenanthrene, 2...	18.974	5.0	ng	652820	4	17.216	2614010	20.0
Benzo[e]pyrene	23.451	9.0	ng	1428360	6	23.657	3187130	20.0