

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
 Data File : BP003433.D
 Acq On : 01 Oct 2020 02:17
 Operator : CG/JU
 Sample : L4193-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-13(11-13)

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\8270-BP091520.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP003433.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.152	379	385	412	rBV	828892	1435180	8.97%	1.164%
2	6.746	649	656	668	rBV	868218	1536218	9.60%	1.246%
3	7.540	784	791	800	rVB	283569	451194	2.82%	0.366%
4	8.693	967	987	994	rBV	609301	1166632	7.29%	0.946%
5	9.505	1121	1125	1135	rVB3	79245	165924	1.04%	0.135%
6	10.316	1253	1263	1268	rBV2	532941	1008286	6.30%	0.818%
7	10.363	1268	1271	1277	rVV	191902	342711	2.14%	0.278%
8	10.510	1290	1296	1301	rBV	213120	315902	1.97%	0.256%
9	11.369	1436	1442	1447	rBV	369694	659638	4.12%	0.535%
10	11.775	1503	1511	1520	rBV2	406642	789824	4.93%	0.641%
11	11.993	1543	1548	1557	rVB2	202889	427353	2.67%	0.347%
12	12.075	1557	1562	1569	rBV5	81524	186240	1.16%	0.151%
13	12.216	1581	1586	1592	rBV3	105023	201488	1.26%	0.163%
14	12.469	1625	1629	1636	rVB2	107700	202842	1.27%	0.165%
15	12.610	1648	1653	1660	rVB3	155241	347474	2.17%	0.282%
16	12.693	1663	1667	1672	rBV4	119525	203185	1.27%	0.165%
17	12.746	1672	1676	1680	rBV	383893	528762	3.30%	0.429%
18	12.810	1680	1687	1693	rVB	1684619	2585441	16.15%	2.097%
19	12.975	1711	1715	1718	rBV	136380	182056	1.14%	0.148%
20	13.040	1721	1726	1737	rVB	680616	1168311	7.30%	0.948%
21	13.522	1803	1808	1812	rBV2	140874	243615	1.52%	0.198%
22	13.563	1812	1815	1820	rVV5	127272	215856	1.35%	0.175%
23	13.616	1820	1824	1828	rVV	790797	1106427	6.91%	0.897%
24	13.657	1828	1831	1833	rVV2	175128	242607	1.52%	0.197%
25	13.704	1834	1839	1843	rVV2	620507	1079021	6.74%	0.875%
26	13.745	1843	1846	1855	rVB3	285629	501343	3.13%	0.407%
27	13.916	1871	1875	1884	rBV2	304011	741202	4.63%	0.601%
28	14.028	1890	1894	1899	rVB	464614	609266	3.81%	0.494%
29	14.122	1904	1910	1914	rBV	994528	1395823	8.72%	1.132%
30	14.198	1914	1923	1928	rBV2	678011	1287798	8.05%	1.045%
31	14.257	1929	1933	1938	rBV	717886	1028658	6.43%	0.834%
32	14.598	1983	1991	2002	rBV2	449637	1001288	6.26%	0.812%
33	14.687	2003	2006	2009	rVB	157913	183233	1.14%	0.149%
34	14.745	2012	2016	2022	rVB2	403414	580649	3.63%	0.471%
35	14.822	2025	2029	2033	rBV3	163836	322574	2.02%	0.262%
36	14.928	2043	2047	2052	rBV4	122842	217167	1.36%	0.176%

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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\8270-BP091520.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	14.992	2054	2058	2063	rVB3	239934	372365	2.33%	0.302%
38	15.081	2069	2073	2081	rBV	1106959	1452663	9.08%	1.178%
39	15.257	2097	2103	2107	rBV	823157	1209730	7.56%	0.981%
40	15.492	2136	2143	2148	rBV2	601569	1080268	6.75%	0.876%
41	15.639	2164	2168	2172	rBV3	161376	273102	1.71%	0.222%
42	15.710	2173	2180	2187	rVV3	1507564	2578444	16.11%	2.092%
43	15.945	2215	2220	2223	rBV2	1285743	1965889	12.28%	1.595%
44	15.975	2223	2225	2229	rVB	974297	1069752	6.68%	0.868%
45	16.075	2238	2242	2246	rBV2	132786	193343	1.21%	0.157%
46	16.322	2281	2284	2287	rVB	180070	216648	1.35%	0.176%
47	16.463	2305	2308	2312	rBV3	114775	188998	1.18%	0.153%
48	16.622	2331	2335	2342	rVV	368411	553274	3.46%	0.449%
49	16.704	2345	2349	2352	rVV3	191047	346901	2.17%	0.281%
50	16.745	2352	2356	2359	rVV	1039346	1363200	8.52%	1.106%
51	16.781	2359	2362	2373	rVB2	554269	1386499	8.66%	1.125%
52	16.963	2388	2393	2396	rBV	751075	1155144	7.22%	0.937%
53	17.016	2396	2402	2407	rVV	6273388	9823720	61.37%	7.969%
54	17.104	2408	2417	2422	rVB	1873820	3190914	19.94%	2.588%
55	17.169	2423	2428	2433	rBV4	245945	476421	2.98%	0.386%
56	17.386	2454	2465	2477	rBV2	797994	1792323	11.20%	1.454%
57	17.486	2478	2482	2489	rVV	953229	1140320	7.12%	0.925%
58	17.851	2538	2544	2548	rBV	786733	1273258	7.95%	1.033%
59	17.898	2548	2552	2559	rVB	1167626	1775859	11.09%	1.441%
60	17.981	2561	2566	2570	rBV	475069	748930	4.68%	0.608%
61	18.039	2570	2576	2580	rVV2	1492707	2581372	16.13%	2.094%
62	18.075	2580	2582	2592	rVB2	561540	767261	4.79%	0.622%
63	18.169	2593	2598	2602	rBV	683520	923821	5.77%	0.749%
64	18.339	2622	2627	2632	rVB	705858	954972	5.97%	0.775%
65	18.416	2634	2640	2645	rBV2	361984	748452	4.68%	0.607%
66	18.581	2664	2668	2672	rBV	194848	274846	1.72%	0.223%
67	18.633	2673	2677	2681	rBV2	174314	275879	1.72%	0.224%
68	18.757	2693	2698	2701	rBV	386746	698010	4.36%	0.566%
69	18.792	2701	2704	2707	rVB	319614	421302	2.63%	0.342%
70	18.922	2722	2726	2735	rVB	323890	795213	4.97%	0.645%
71	19.028	2735	2744	2751	rBV	7762211	15520481	96.96%	12.590%
72	19.128	2757	2761	2766	rBV4	111605	220076	1.37%	0.179%
73	19.257	2778	2783	2789	rBV	442189	905363	5.66%	0.734%
74	19.386	2793	2805	2813	rVV2	5945552	16006545	100.00%	12.984%
75	19.457	2813	2817	2825	rVB2	431392	874643	5.46%	0.709%
76	19.575	2830	2837	2844	rBV2	2481984	5227716	32.66%	4.241%

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ClientSampleId :
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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\8270-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.716	2854	2861	2867	rVB3	480149	1161678	7.26%	0.942%
78	19.880	2878	2889	2898	rVB	1167670	3363538	21.01%	2.728%
79	19.975	2899	2905	2910	rBV	917438	2090452	13.06%	1.696%
80	20.822	3040	3049	3057	rBV2	733838	3200991	20.00%	2.597%
81	21.174	3097	3109	3110	rBV	2191291	5977600	37.34%	4.849%

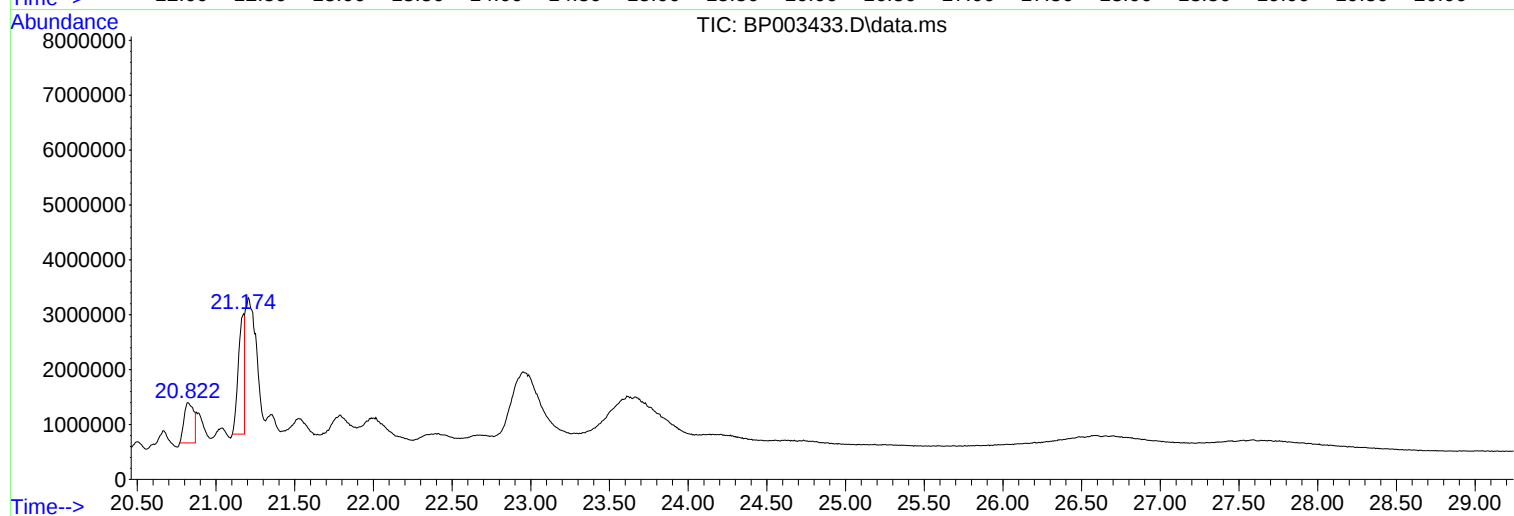
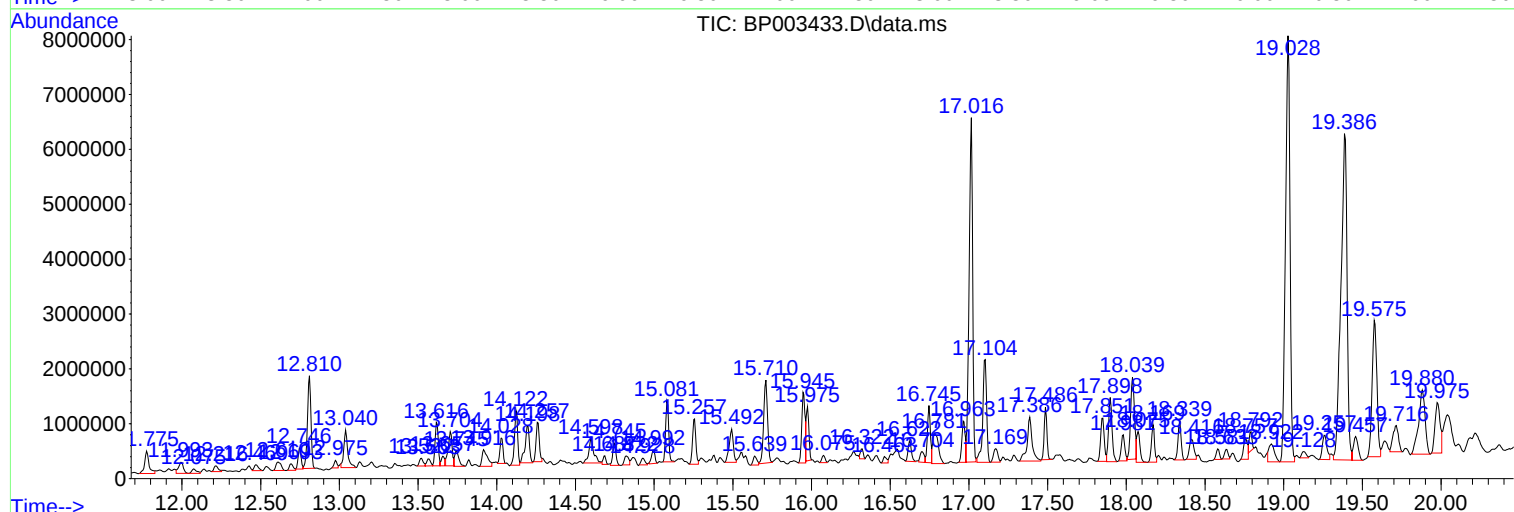
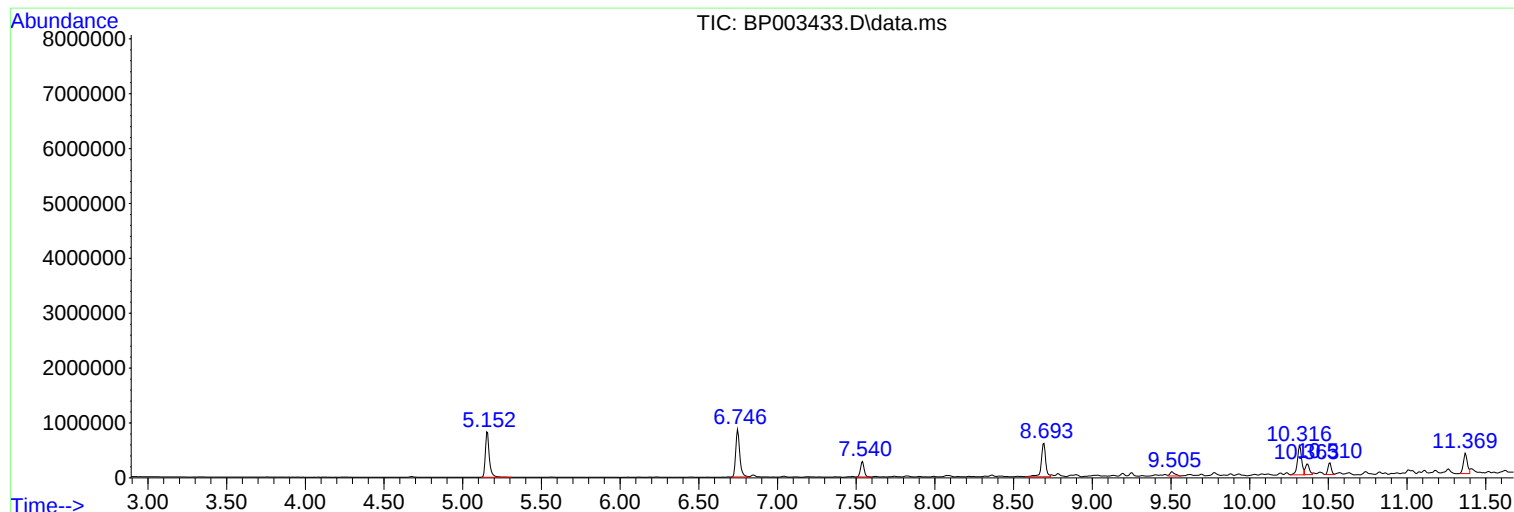
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Instrument :
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ClientSampleId :
B-13(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.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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Operator : CG/JU
Sample : L4193-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

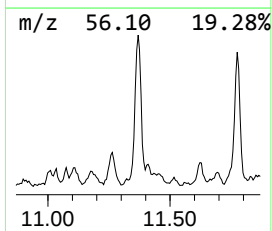
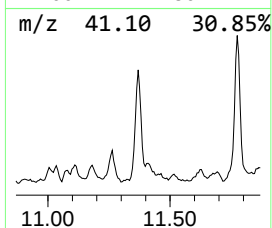
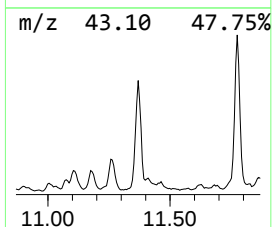
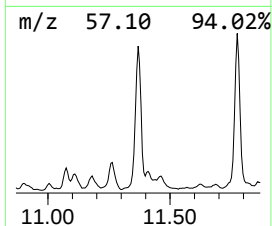
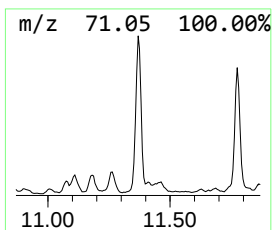
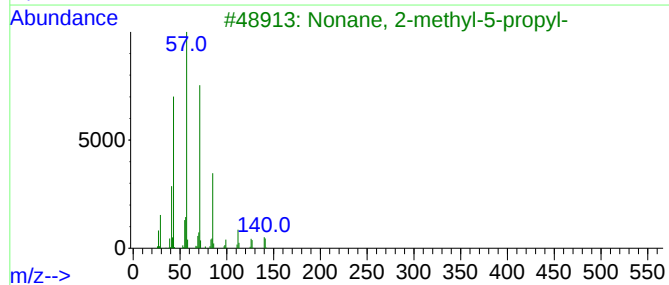
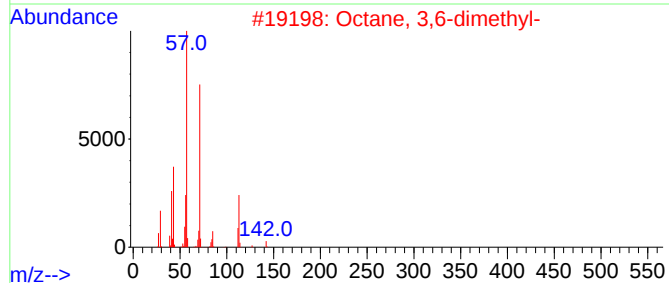
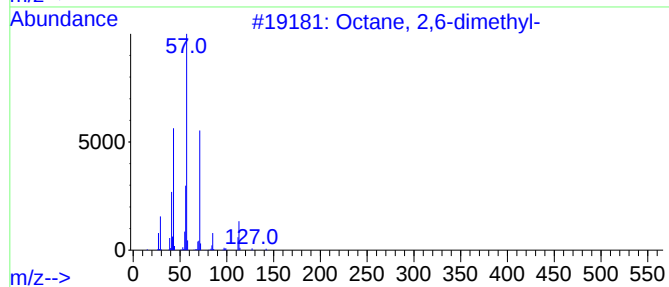
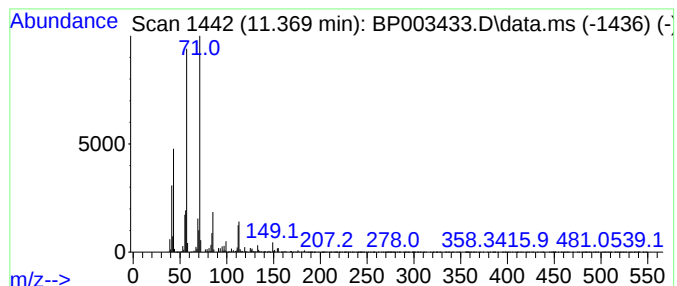
Instrument :
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ClientSampleId :
B-13(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Octane, 2,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.369	13.08 ng	659638	Naphthalene-d8	10.316
Hit#	of 5	Tentative ID	MW MolForm	CAS# Qual
1		Octane, 2,6-dimethyl-	142 C10H22	002051-30-1 90
2		Octane, 3,6-dimethyl-	142 C10H22	015869-94-0 72
3		Nonane, 2-methyl-5-propyl-	184 C13H28	031081-17-1 72
4		Sulfurous acid, 2-ethylhexyl pen...	264 C13H28O3S	1000309-18-9 59
5		Sulfurous acid, 2-ethylhexyl non...	320 C17H36O3S	1000309-19-2 49



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ALS Vial : 20 Sample Multiplier: 1

Instrument :
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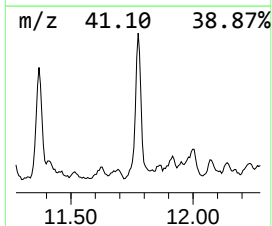
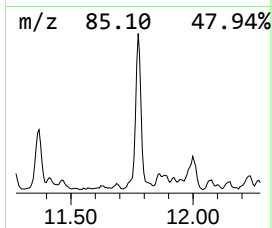
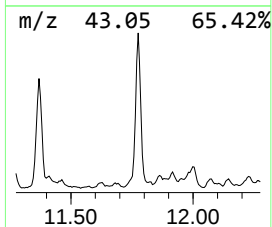
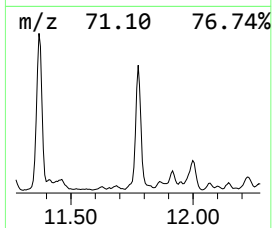
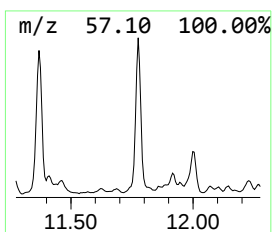
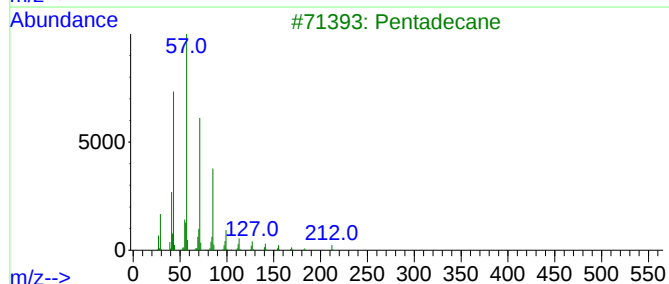
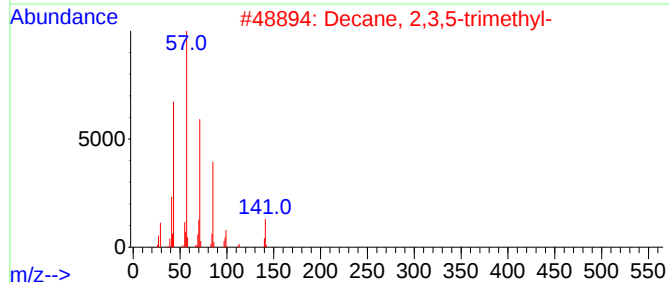
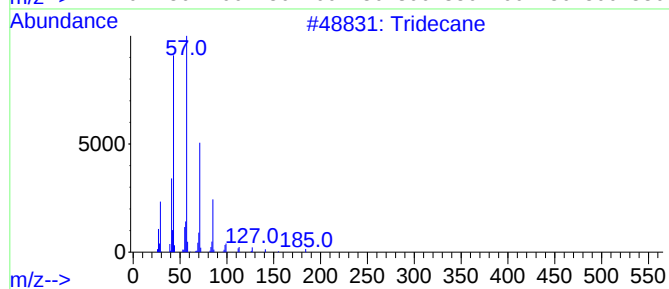
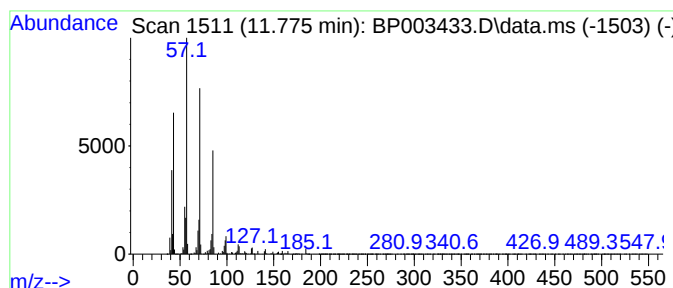
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Tridecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.775	15.67 ng	789824	Naphthalene-d8	10.316

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	87
2			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
3			Pentadecane	212	C15H32	000629-62-9	78
4			Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	59
5			Tetradecane	198	C14H30	000629-59-4	58



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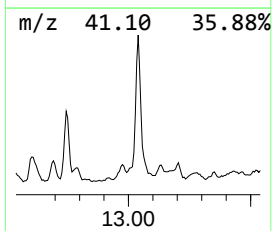
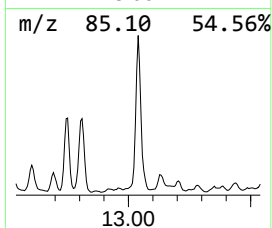
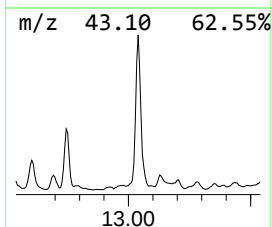
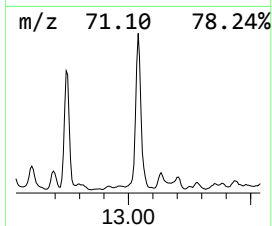
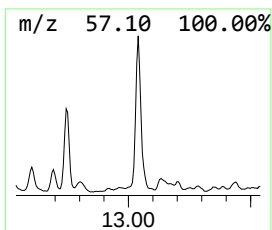
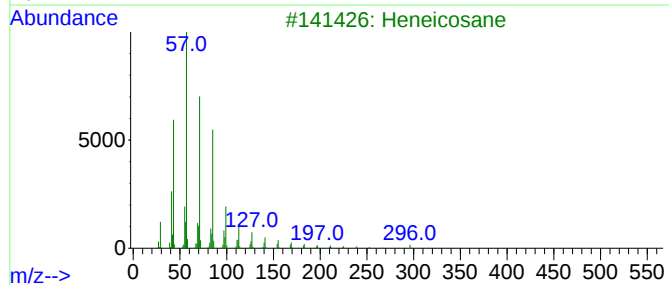
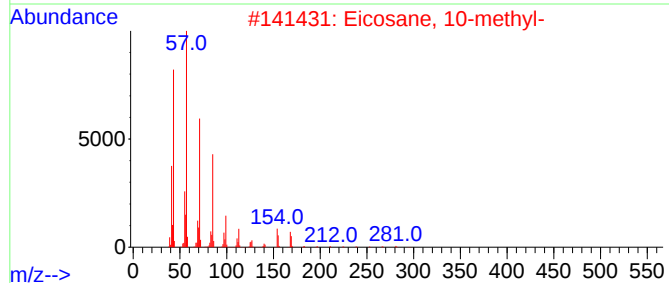
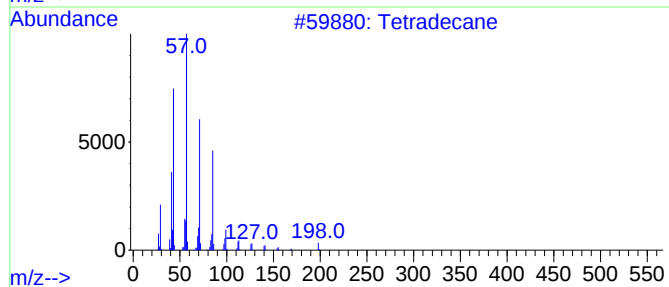
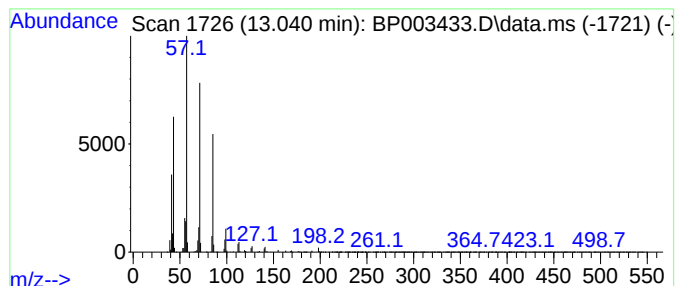
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Tetradecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.040	18.14 ng	1168310	Acenaphthene-d10	14.198	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	86
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	83
3	Heneicosane	296	C21H44	000629-94-7	80
4	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	78
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
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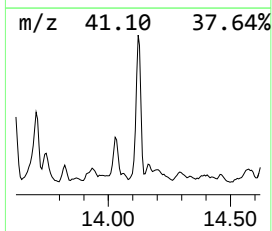
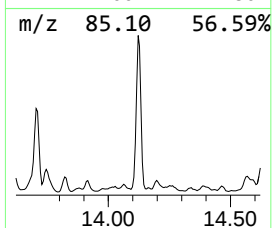
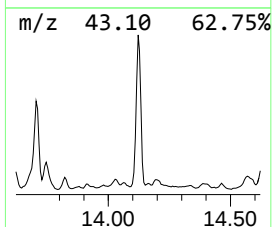
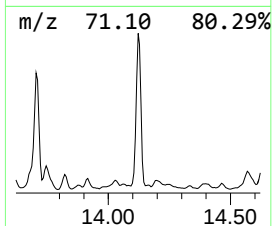
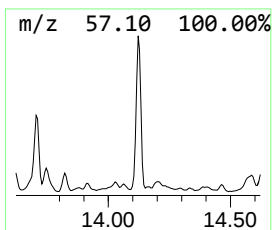
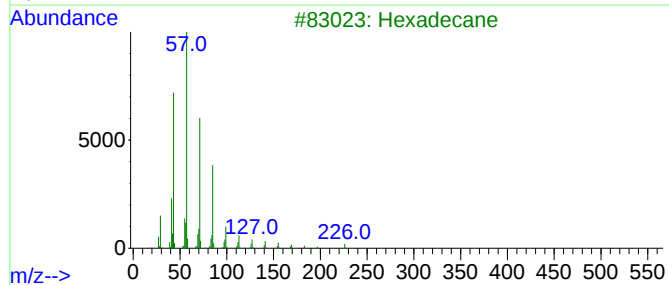
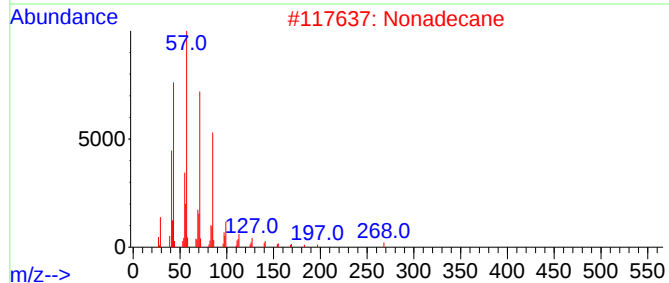
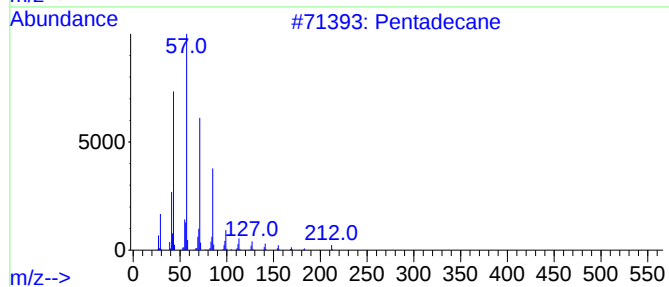
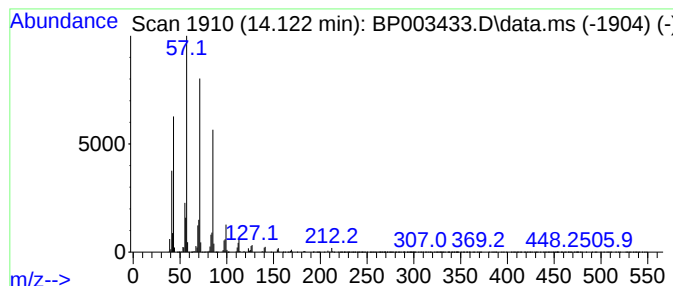
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Pentadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.122	21.68 ng	1395820	Acenaphthene-d10	14.198

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	91
2			Nonadecane	268	C19H40	000629-92-5	91
3			Hexadecane	226	C16H34	000544-76-3	90
4			Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	80
5			Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003433.D
Acq On : 01 Oct 2020 02:17
Operator : CG/JU
Sample : L4193-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

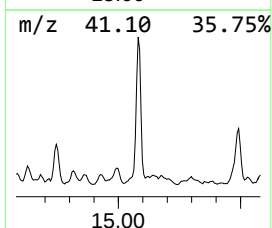
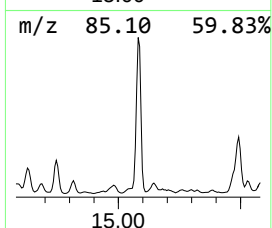
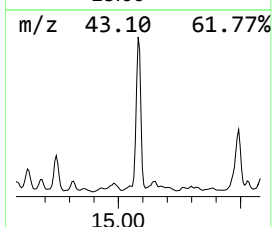
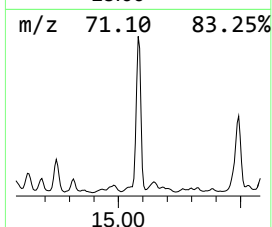
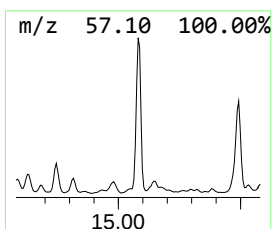
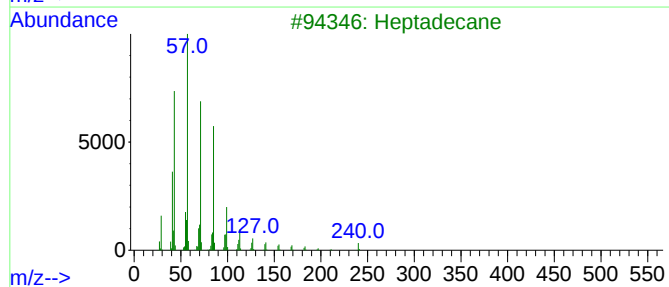
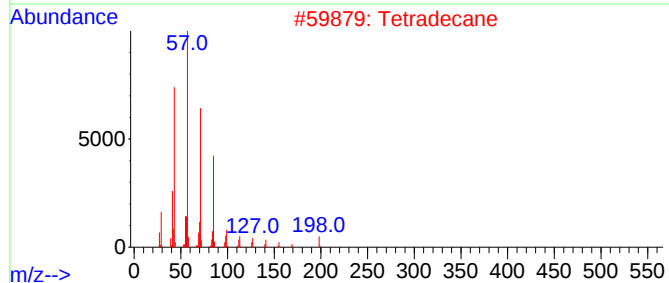
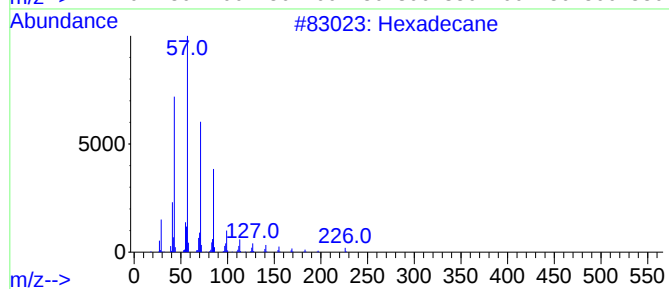
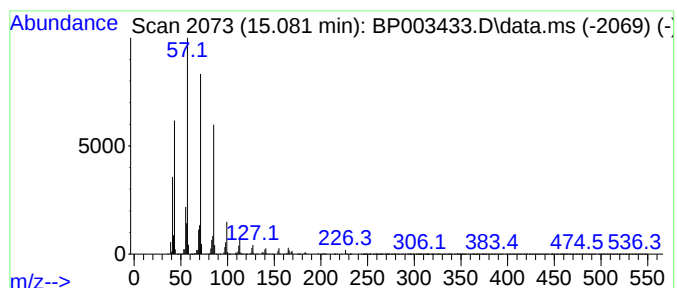
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Hexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.081	22.56 ng	1452660	Acenaphthene-d10	14.198

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	91
2			Tetradecane	198	C14H30	000629-59-4	90
3			Heptadecane	240	C17H36	000629-78-7	68
4			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	58
5			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003433.D
Acq On : 01 Oct 2020 02:17
Operator : CG/JU
Sample : L4193-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

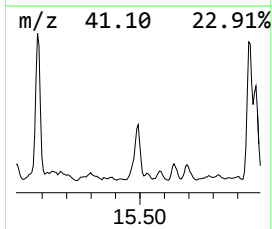
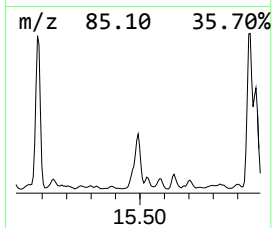
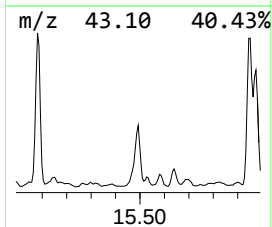
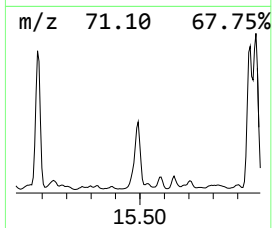
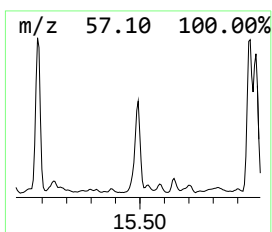
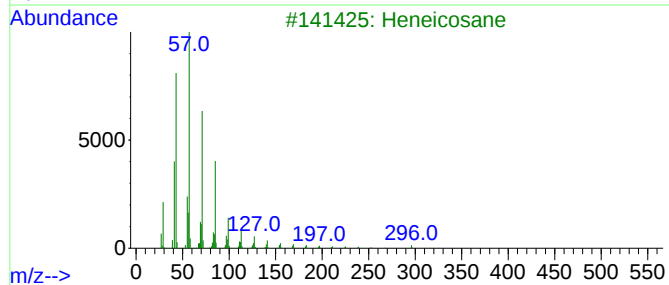
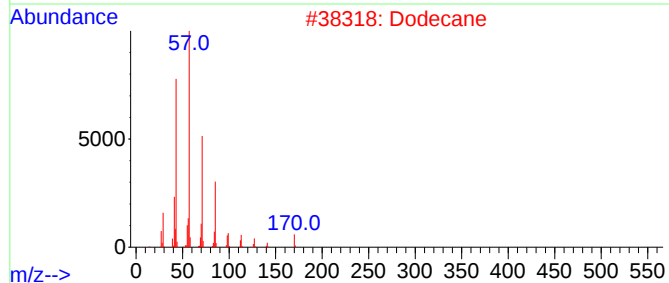
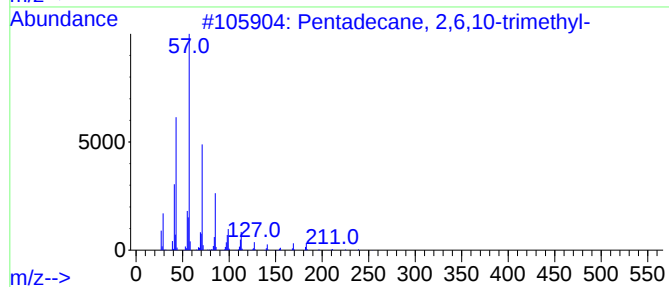
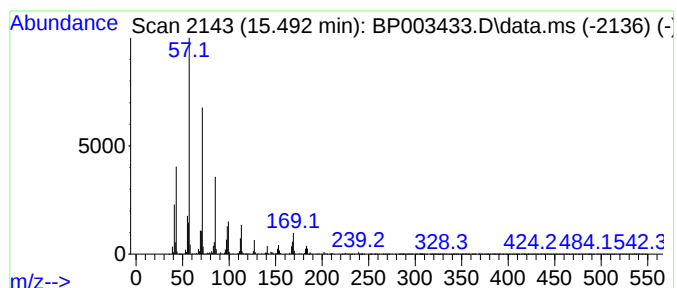
Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.492	16.78 ng	1080270	Acenaphthene-d10		14.198	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-		254	C18H38	003892-00-0	94
2	Dodecane		170	C12H26	000112-40-3	83
3	Heneicosane		296	C21H44	000629-94-7	80
4	Hexadecane		226	C16H34	000544-76-3	76
5	Tetracosane		338	C24H50	000646-31-1	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003433.D
Acq On : 01 Oct 2020 02:17
Operator : CG/JU
Sample : L4193-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

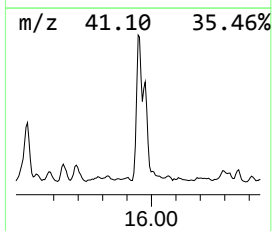
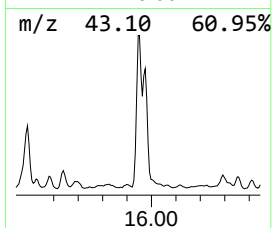
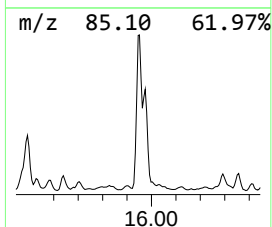
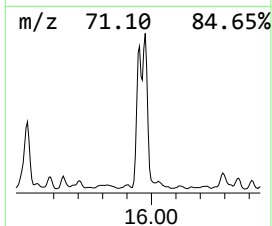
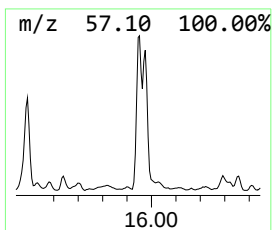
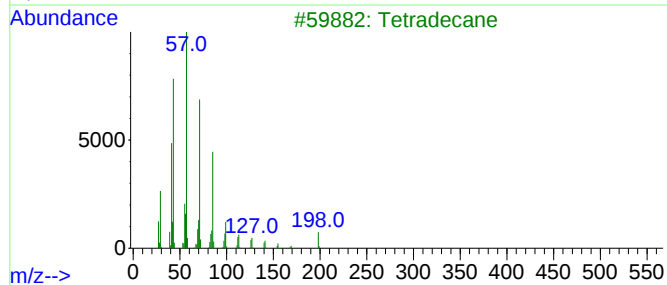
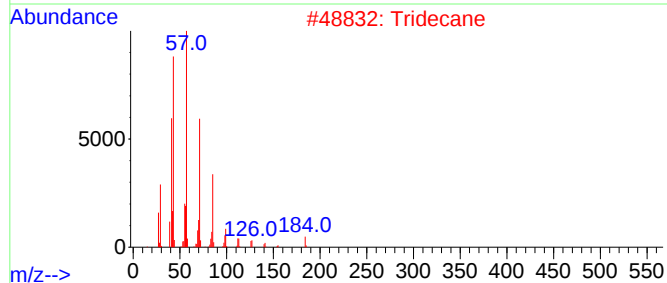
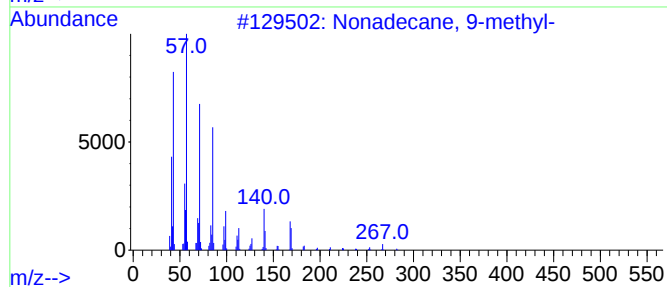
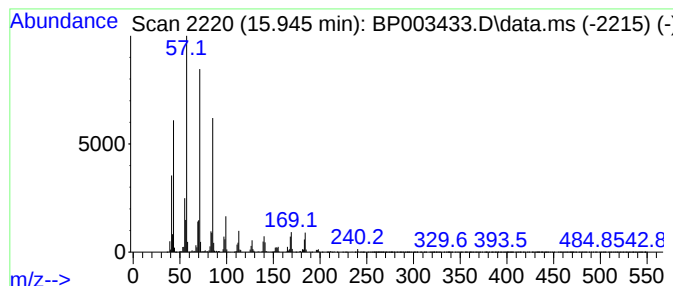
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ClientSampleId :
B-13(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Nonadecane, 9-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.945	34.04 ng	1965890	Phenanthrene-d10		16.963	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonadecane, 9-methyl-		282	C20H42	013287-24-6	87
2	Tridecane		184	C13H28	000629-50-5	87
3	Tetradecane		198	C14H30	000629-59-4	87
4	Nonadecane		268	C19H40	000629-92-5	83
5	Heneicosane		296	C21H44	000629-94-7	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003433.D
Acq On : 01 Oct 2020 02:17
Operator : CG/JU
Sample : L4193-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

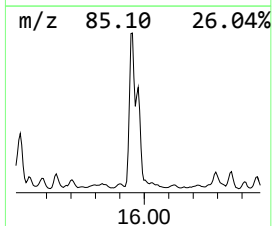
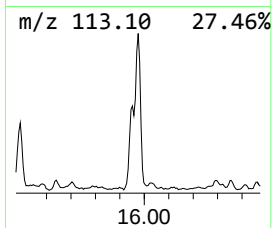
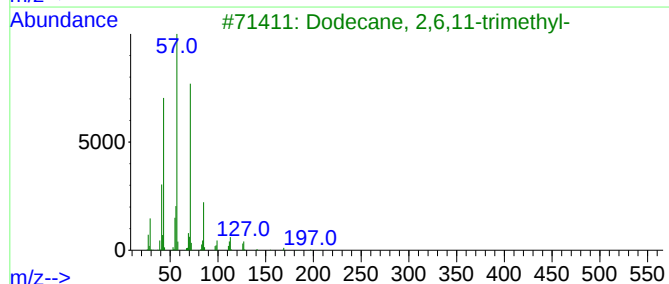
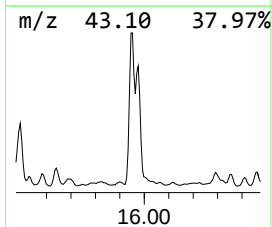
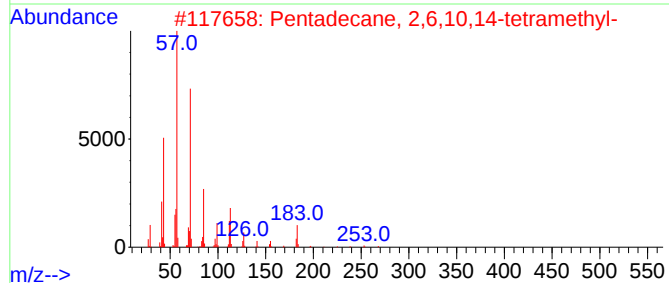
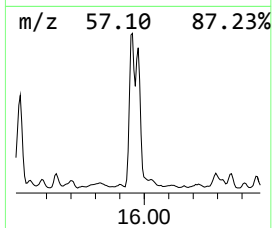
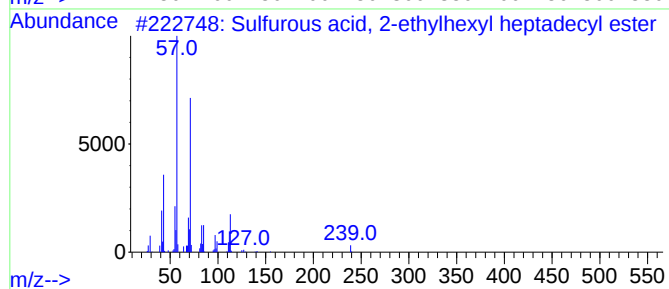
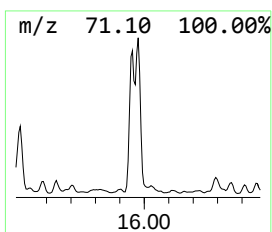
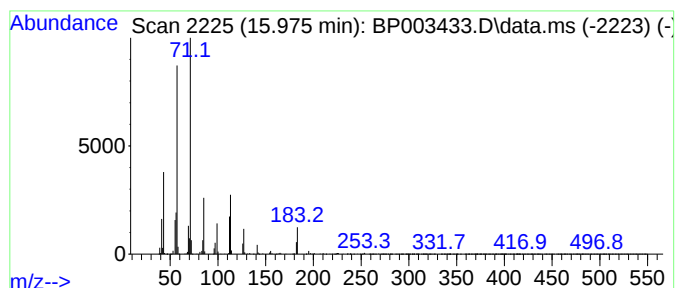
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Sulfurous acid, 2-ethylhexy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.975	18.52 ng	1069750	Phenanthrene-d10	16.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	64
2			Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	59
3			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59
4			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
5			Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003433.D
Acq On : 01 Oct 2020 02:17
Operator : CG/JU
Sample : L4193-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

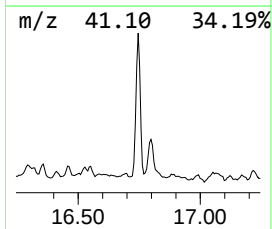
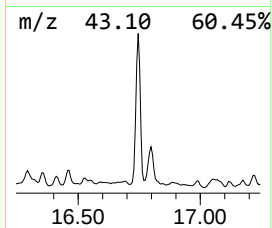
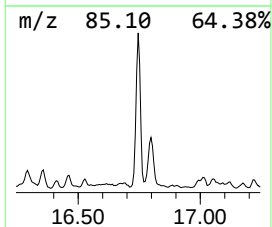
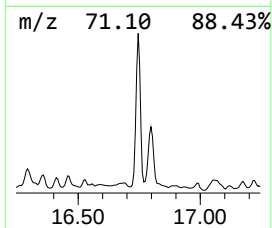
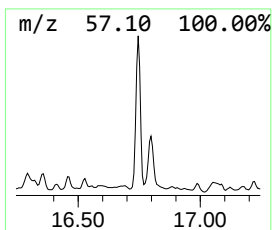
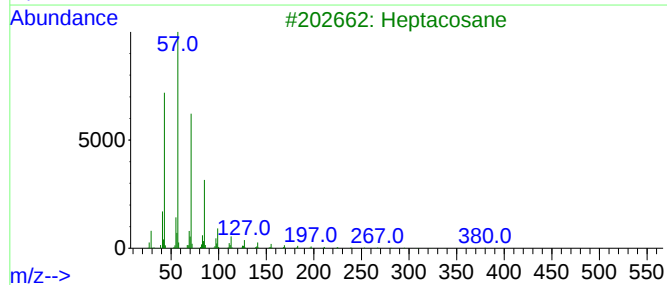
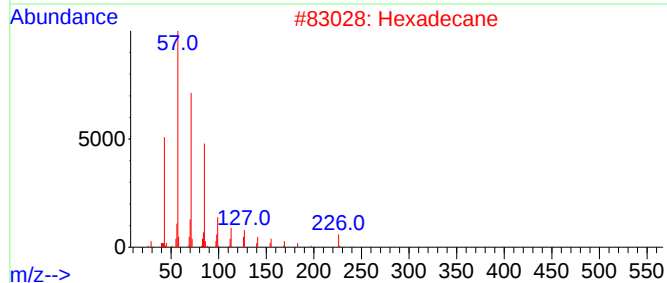
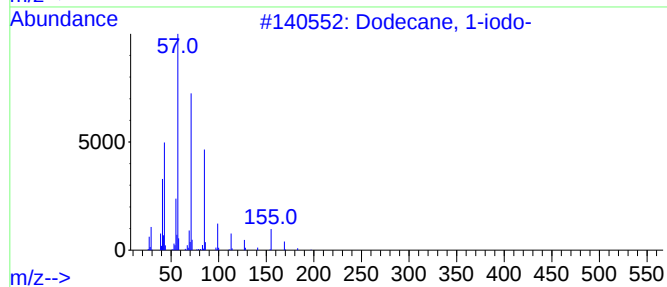
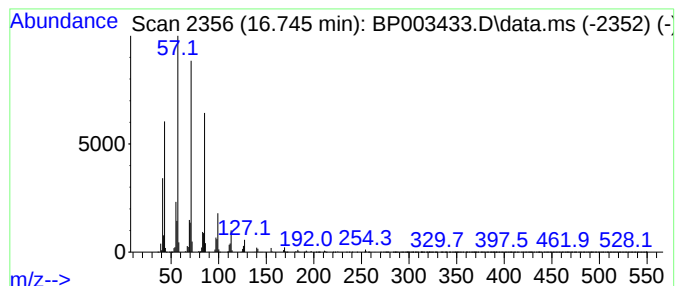
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Dodecane, 1-iodo- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.745	23.60 ng	1363200	Phenanthrene-d10	16.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	87
2			Hexadecane	226	C16H34	000544-76-3	86
3			Heptacosane	380	C27H56	000593-49-7	83
4			Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	76
5			Heptadecane	240	C17H36	000629-78-7	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003433.D
Acq On : 01 Oct 2020 02:17
Operator : CG/JU
Sample : L4193-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-13(11-13)

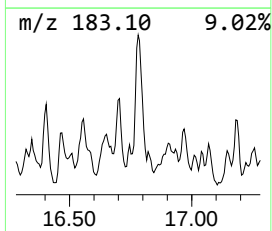
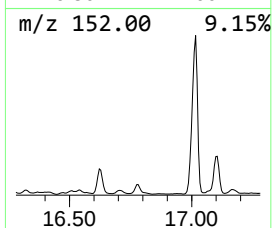
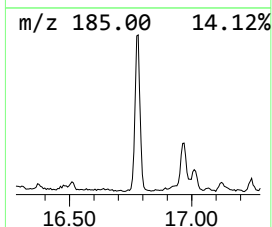
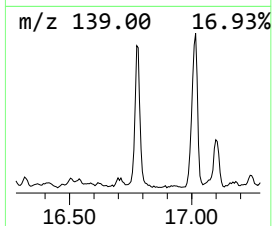
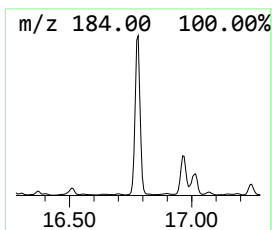
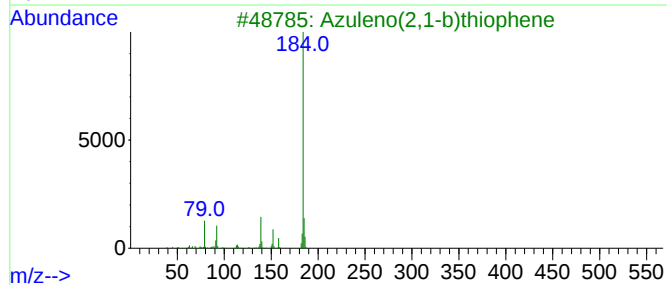
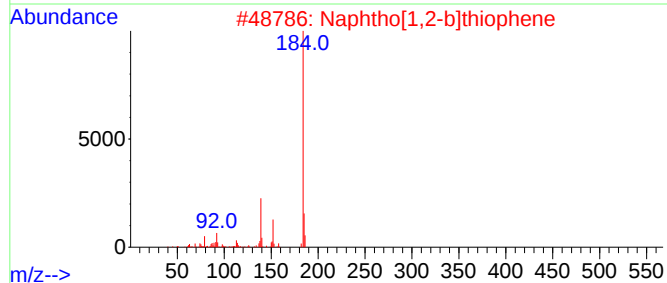
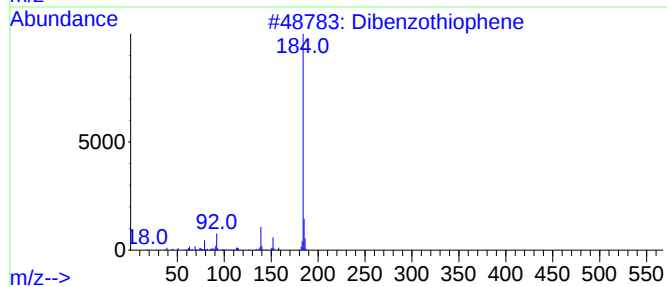
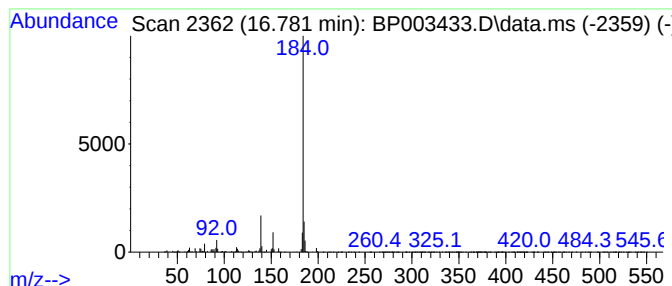
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.781	24.01 ng	1386500	Phenanthrene-d10	16.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	94
2			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	80
5			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003433.D
Acq On : 01 Oct 2020 02:17
Operator : CG/JU
Sample : L4193-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-13(11-13)

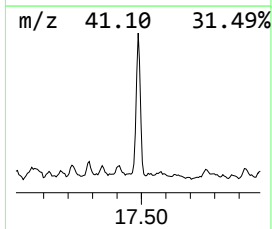
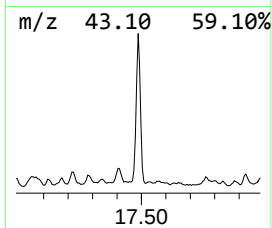
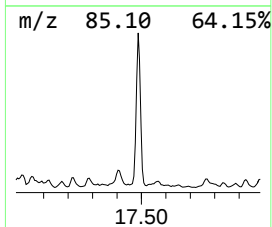
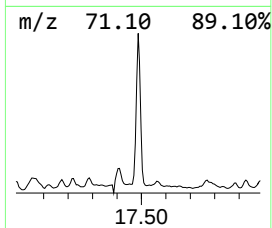
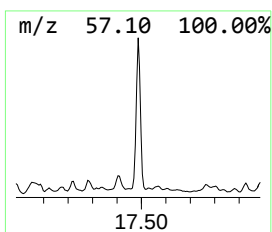
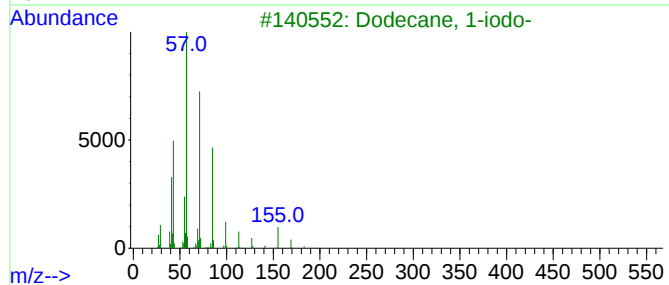
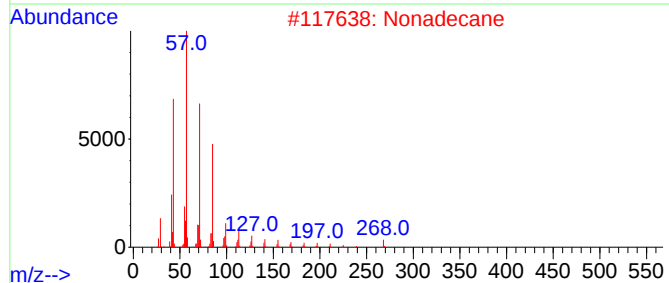
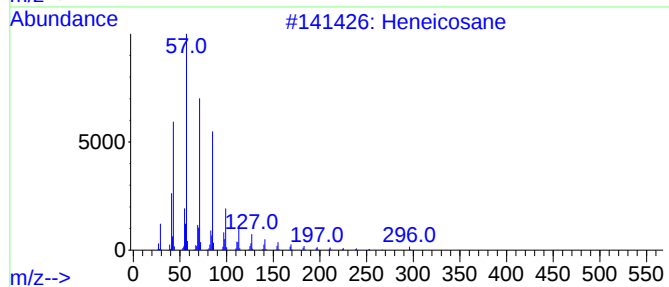
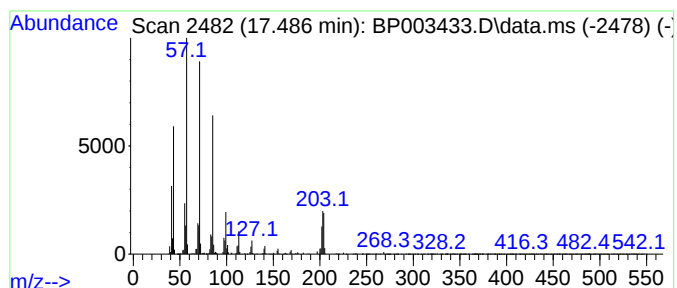
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Heneicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.486	19.74 ng	1140320	Phenanthrene-d10	16.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	74
2			Nonadecane	268	C19H40	000629-92-5	68
3			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64
4			Hexadecane	226	C16H34	000544-76-3	64
5			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003433.D
Acq On : 01 Oct 2020 02:17
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Misc :
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Instrument :
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ClientSampleId :
B-13(11-13)

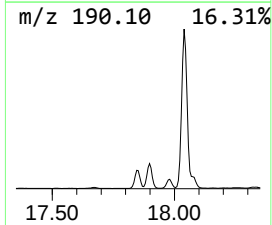
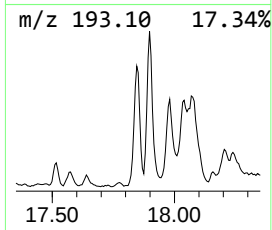
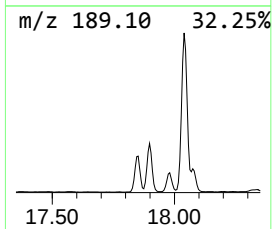
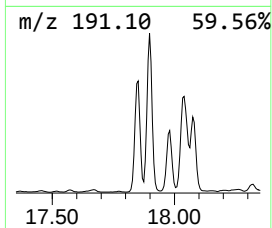
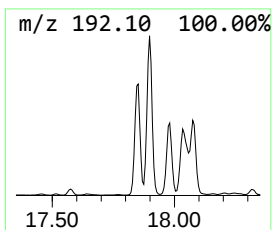
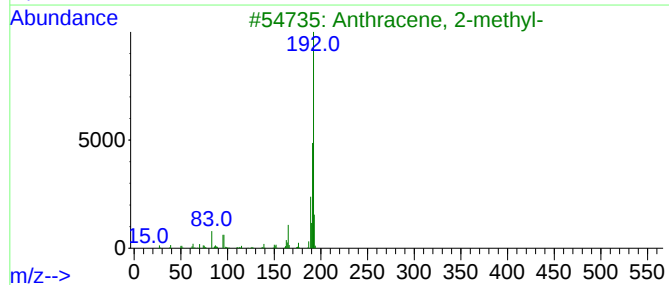
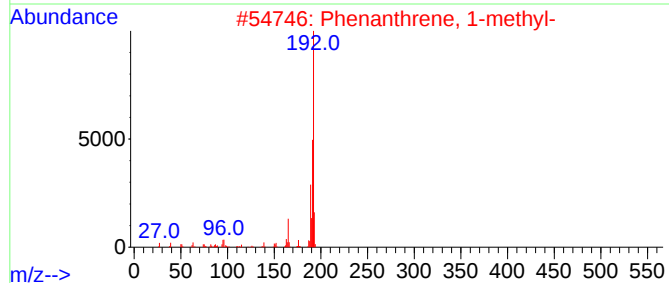
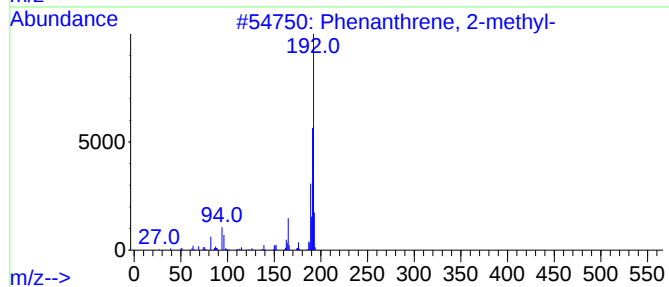
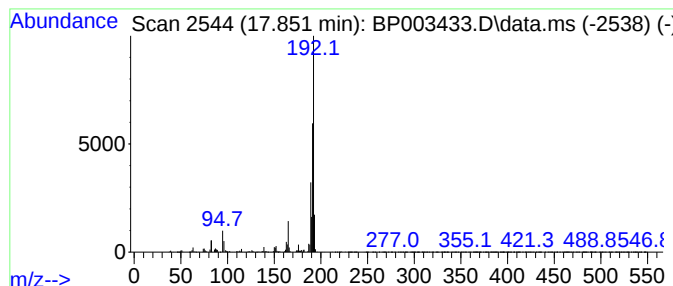
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.851	22.05 ng	1273260	Phenanthrene-d10	16.963

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003433.D
Acq On : 01 Oct 2020 02:17
Operator : CG/JU
Sample : L4193-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-13(11-13)

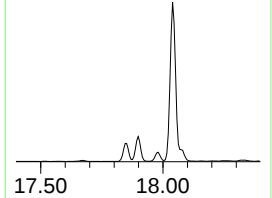
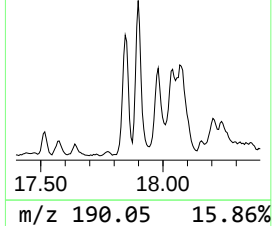
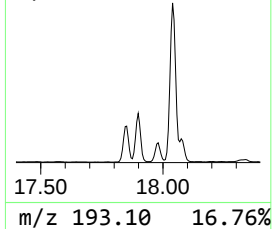
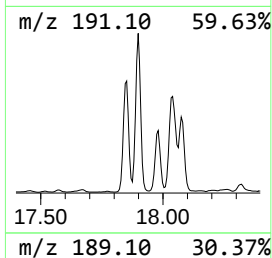
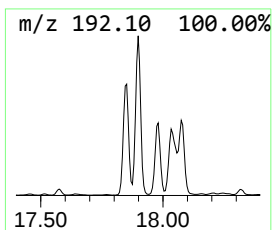
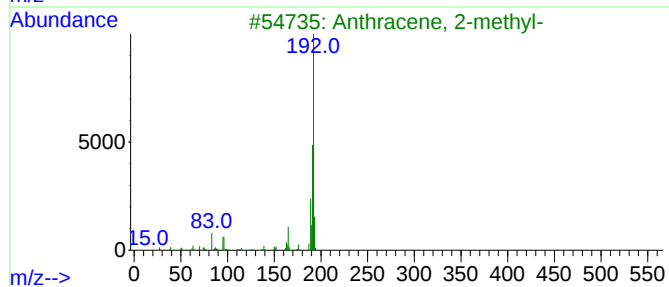
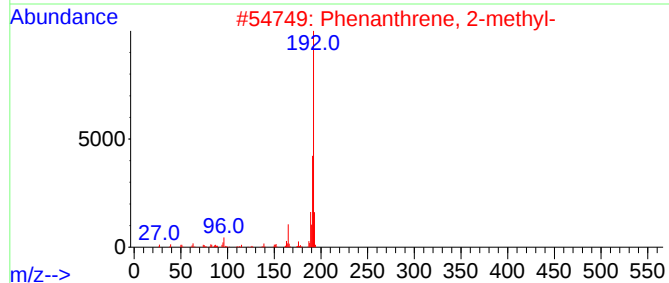
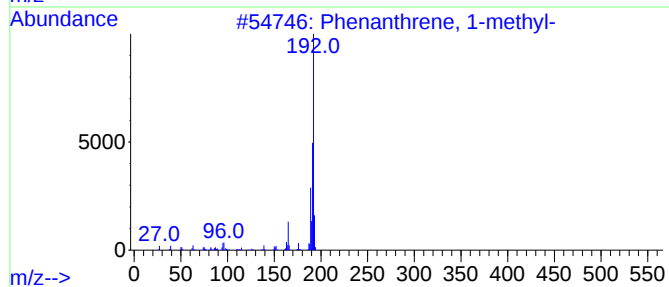
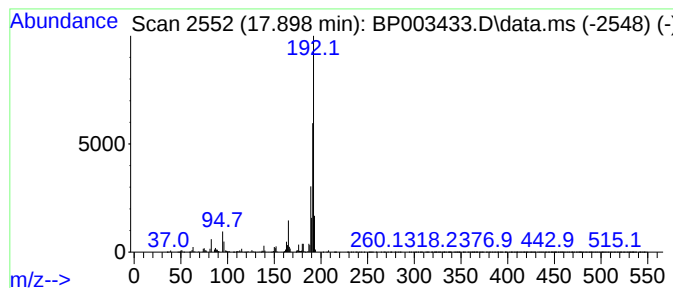
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.898	30.75 ng	1775860	Phenanthrene-d10	16.963

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003433.D
Acq On : 01 Oct 2020 02:17
Operator : CG/JU
Sample : L4193-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

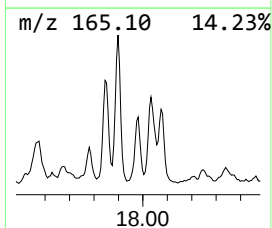
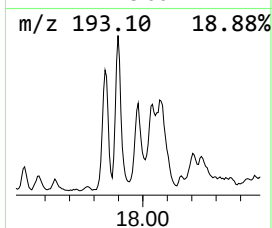
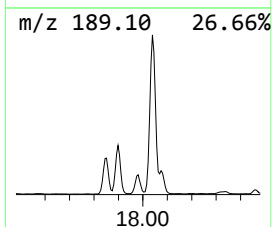
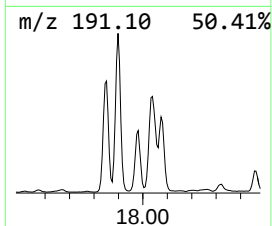
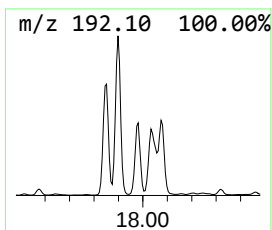
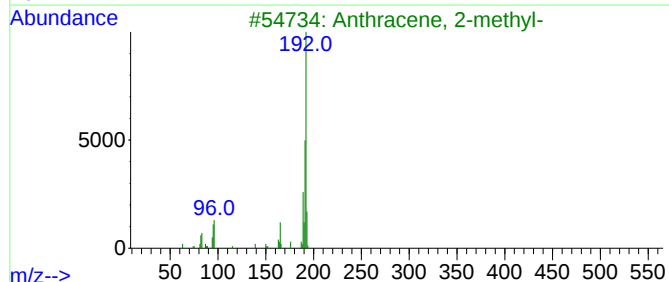
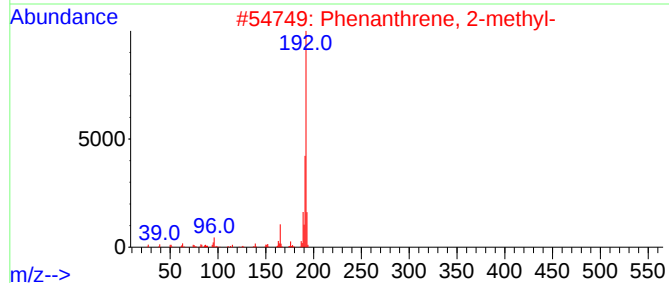
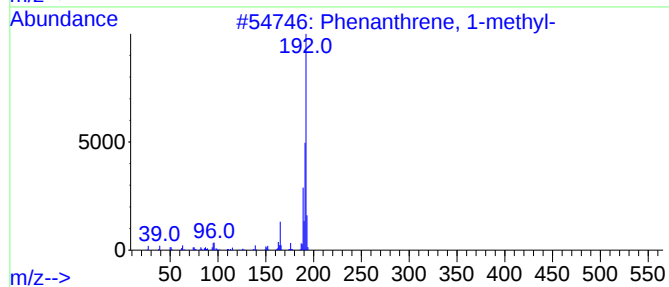
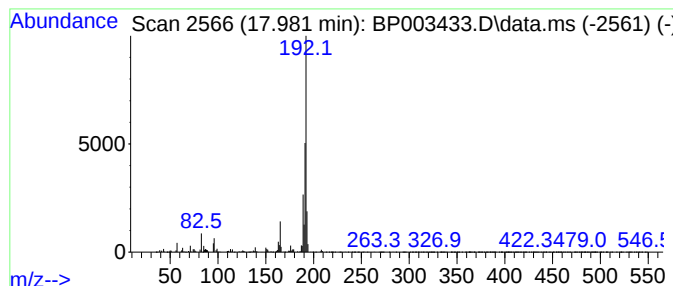
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Anthracene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.980	12.97 ng	748930	Phenanthrene-d10	16.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
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Sample : L4193-04
Misc :
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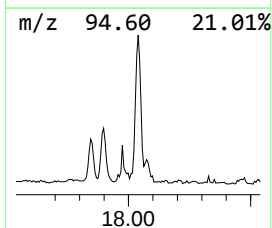
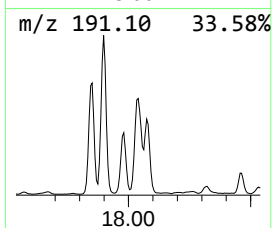
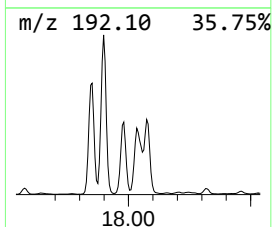
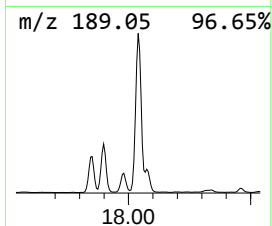
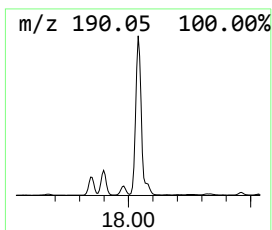
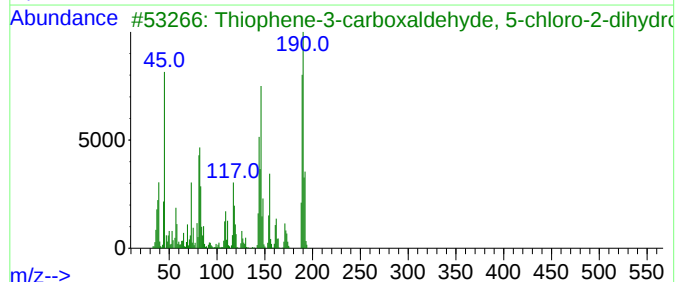
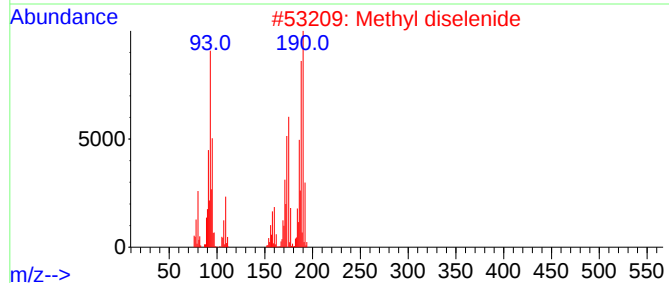
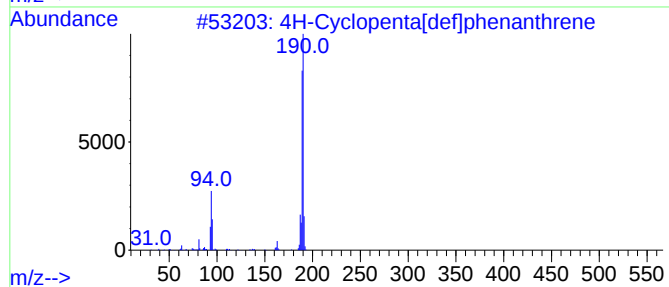
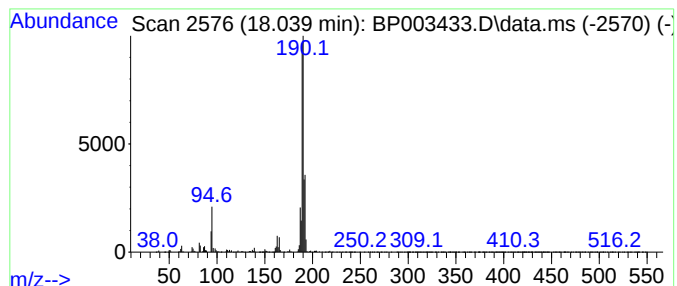
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.039	44.69 ng	2581370	Phenanthrene-d10	16.963	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003433.D
Acq On : 01 Oct 2020 02:17
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Sample : L4193-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-13(11-13)

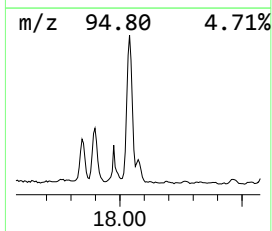
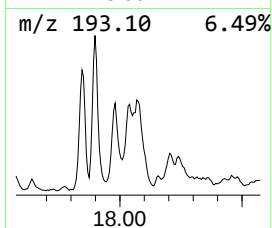
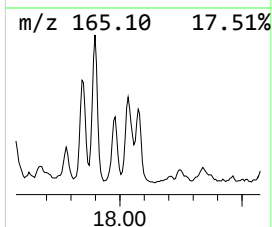
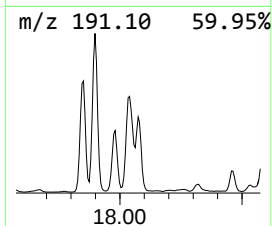
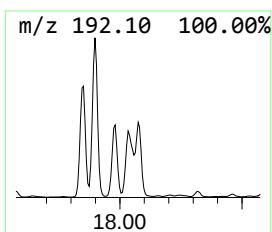
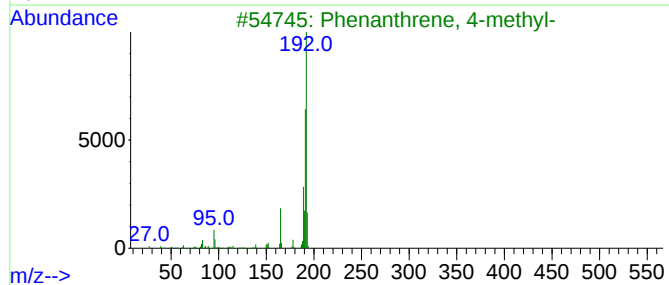
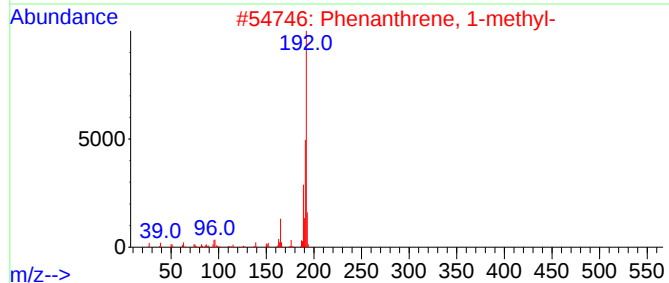
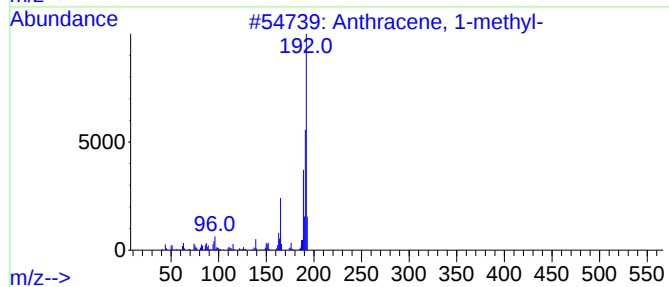
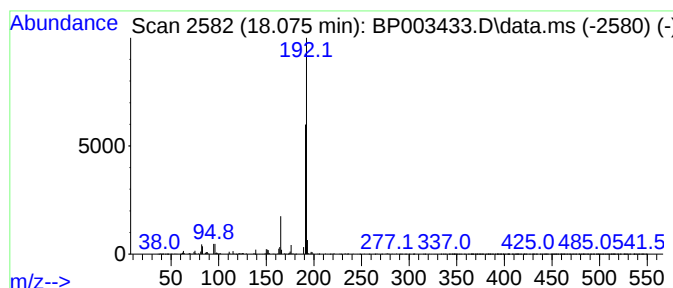
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.075	13.28 ng	767261	Phenanthrene-d10	16.963

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003433.D
Acq On : 01 Oct 2020 02:17
Operator : CG/JU
Sample : L4193-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

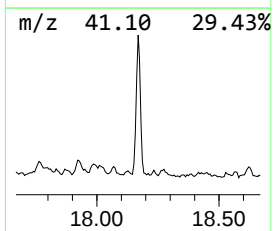
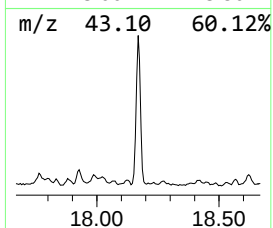
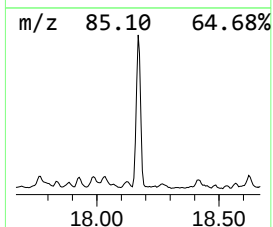
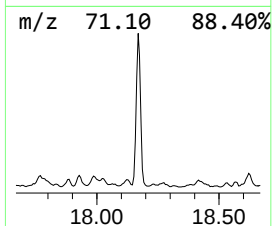
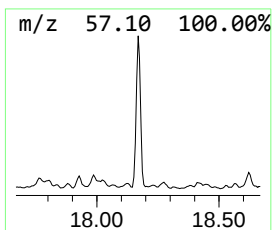
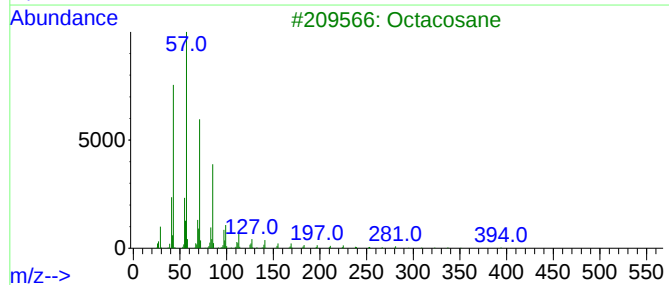
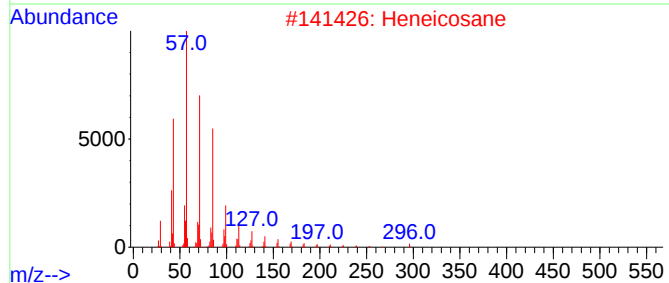
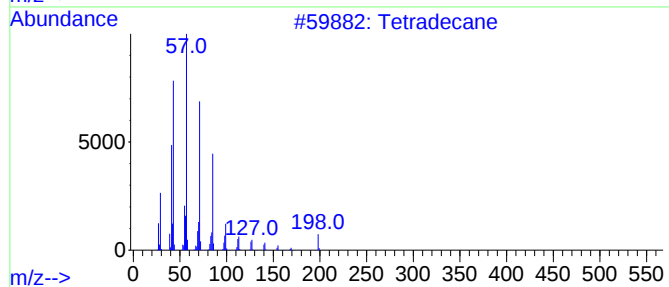
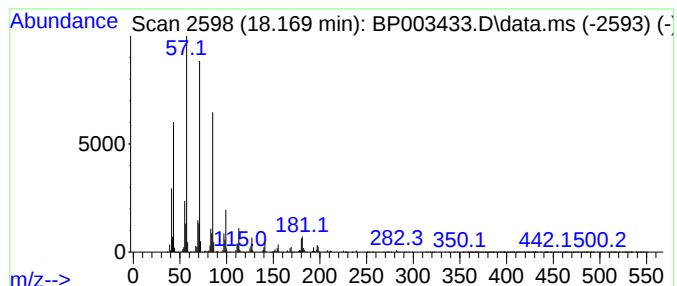
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ClientSampleId :
B-13(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Octacosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.169	15.99 ng	923821	Phenanthrene-d10		16.963	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Tetradecane		198	C14H30	000629-59-4	93
2	Heneicosane		296	C21H44	000629-94-7	90
3	Octacosane		394	C28H58	000630-02-4	83
4	Nonadecane		268	C19H40	000629-92-5	83
5	Borane, diethyl(decyloxy)-		226	C14H31BO	1000152-34-3	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003433.D
Acq On : 01 Oct 2020 02:17
Operator : CG/JU
Sample : L4193-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

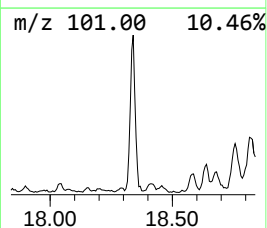
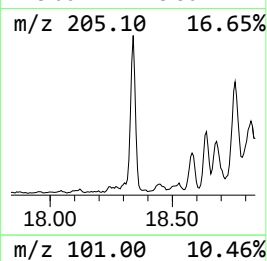
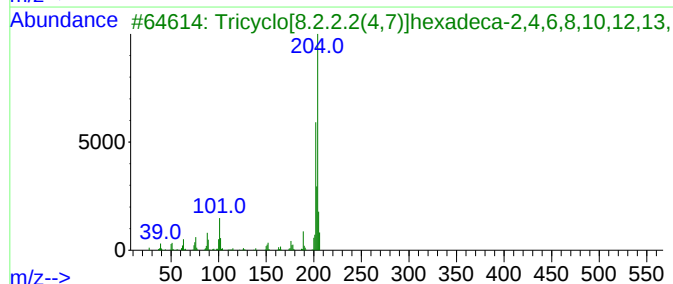
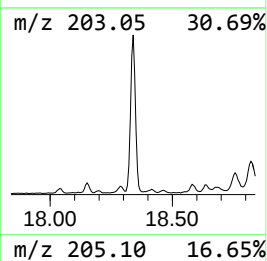
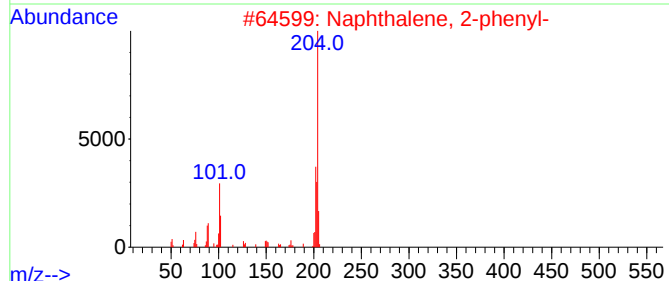
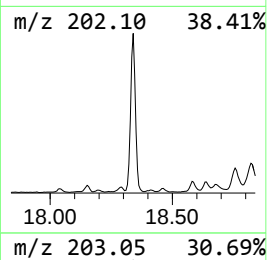
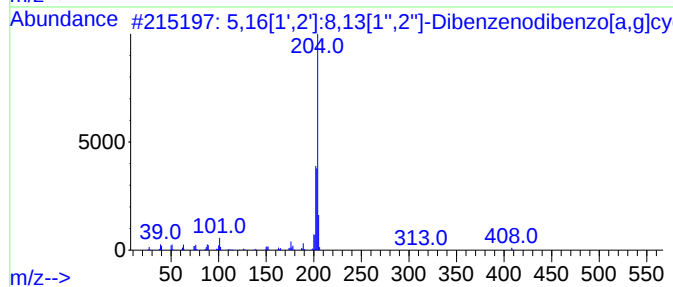
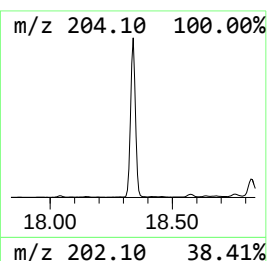
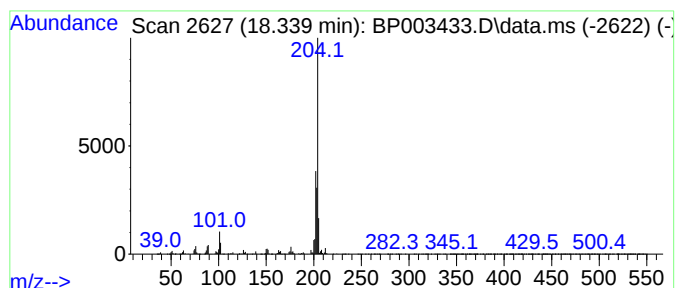
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.339	16.53 ng	954972	Phenanthrene-d10		16.963	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...		408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-		204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...		204	C16H12	006572-60-7	58
4	Naphthalene, 1-phenyl-		204	C16H12	000605-02-7	55
5	5H-Dibenzo[a,d]cycloheptene, 5-m...		204	C16H12	002975-79-3	55



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003433.D
Acq On : 01 Oct 2020 02:17
Operator : CG/JU
Sample : L4193-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

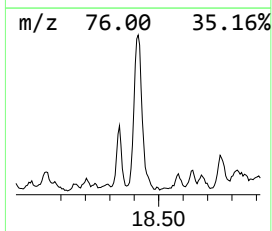
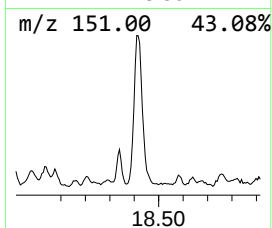
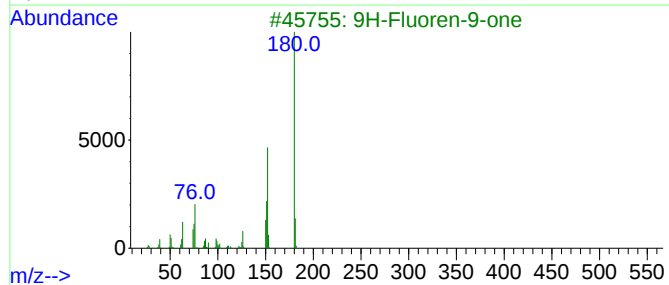
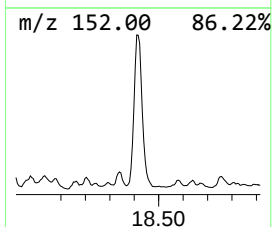
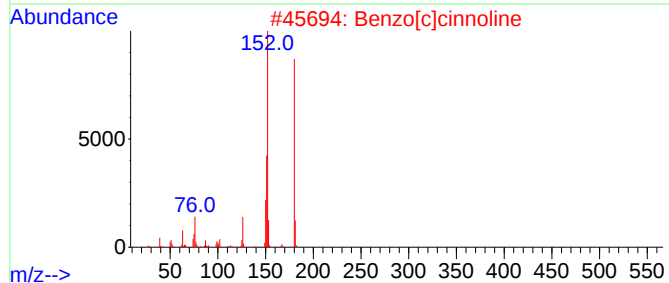
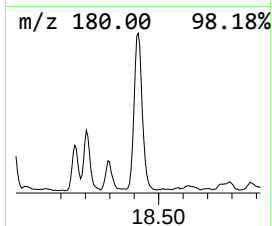
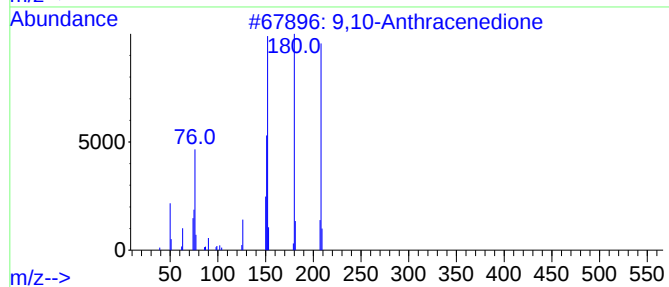
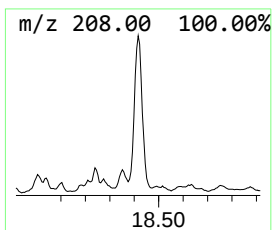
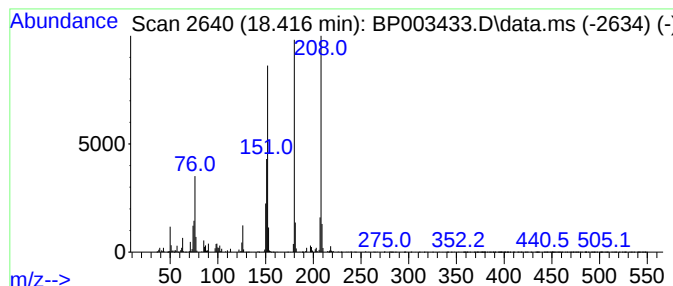
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ClientSampleId :
B-13(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.416	12.96 ng	748452	Phenanthrene-d10		16.963	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione		208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline		180	C12H8N2	000230-17-1	86
3	9H-Fluoren-9-one		180	C13H8O	000486-25-9	70
4	1H-Phenalen-1-one		180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione		208	C14H8O2	000635-12-1	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003433.D
Acq On : 01 Oct 2020 02:17
Operator : CG/JU
Sample : L4193-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

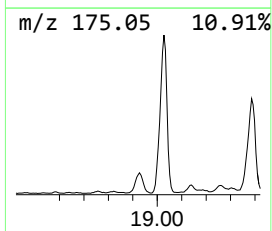
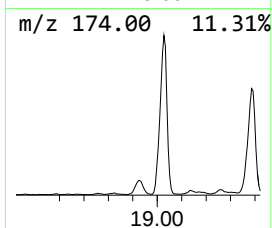
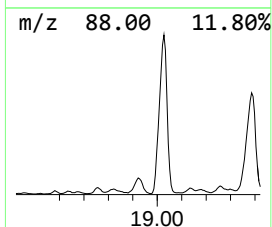
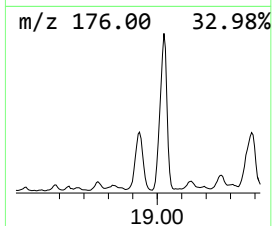
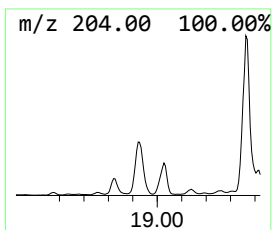
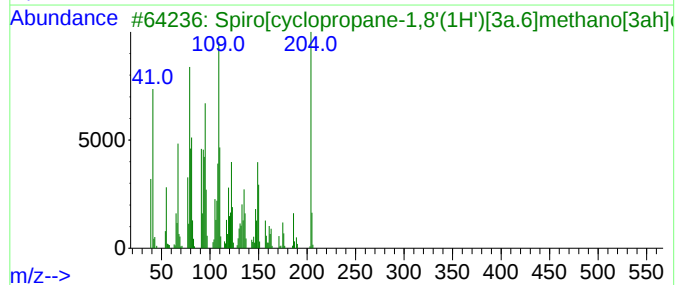
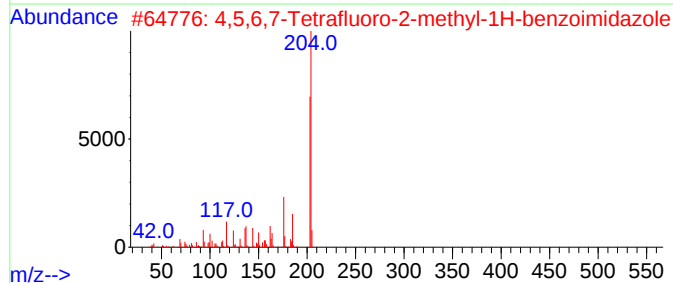
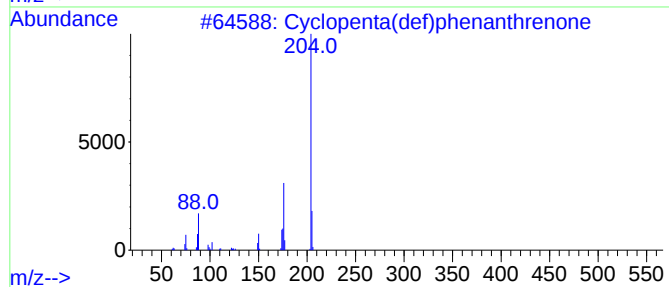
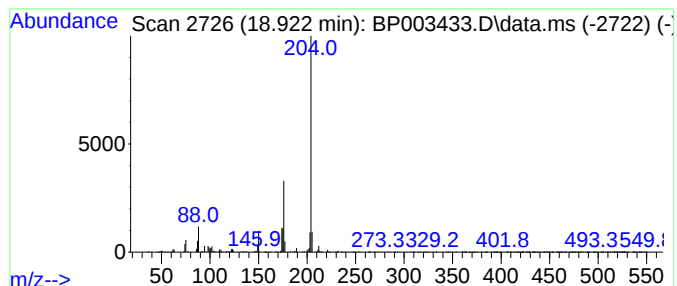
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.922	13.77 ng	795213	Phenanthrene-d10	16.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2			4,5,6,7-Tetrafluoro-2-methyl-1H-...	204	C8H4F4N2	081430-75-3	45
3			Spiro[cyclopropane-1,8'(1H')][3a...	204	C14H20O	452049-62-6	43
4			Acetic acid, trifluoro-, 4-methy...	204	C9H7F3O2	001813-29-2	38
5			4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003433.D
Acq On : 01 Oct 2020 02:17
Operator : CG/JU
Sample : L4193-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.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
Octane, 2,6-dim...	11.369	13.1	ng	659638	2	10.316	1008290	20.0
Tridecane	11.775	15.7	ng	789824	2	10.316	1008290	20.0
Tetradecane	13.040	18.1	ng	1168310	3	14.198	1287800	20.0
Pentadecane	14.122	21.7	ng	1395820	3	14.198	1287800	20.0
Hexadecane	15.081	22.6	ng	1452660	3	14.198	1287800	20.0
Pentadecane, 2,...	15.492	16.8	ng	1080270	3	14.198	1287800	20.0
Nonadecane, 9-m...	15.945	34.0	ng	1965890	4	16.963	1155140	20.0
Sulfurous acid,...	15.975	18.5	ng	1069750	4	16.963	1155140	20.0
Dodecane, 1-iodo-	16.745	23.6	ng	1363200	4	16.963	1155140	20.0
Dibenzothiophene	16.781	24.0	ng	1386500	4	16.963	1155140	20.0
Heneicosane	17.486	19.7	ng	1140320	4	16.963	1155140	20.0
Phenanthrene, 2...	17.851	22.1	ng	1273260	4	16.963	1155140	20.0
Phenanthrene, 1...	17.898	30.8	ng	1775860	4	16.963	1155140	20.0
Anthracene, 2-m...	17.980	13.0	ng	748930	4	16.963	1155140	20.0
4H-Cyclopenta[d...	18.039	44.7	ng	2581370	4	16.963	1155140	20.0
Anthracene, 1-m...	18.075	13.3	ng	767261	4	16.963	1155140	20.0
Octacosane	18.169	16.0	ng	923821	4	16.963	1155140	20.0
5,16[1',2']:8,1...	18.339	16.5	ng	954972	4	16.963	1155140	20.0
9,10-Anthracene...	18.416	13.0	ng	748452	4	16.963	1155140	20.0
Cyclopenta(def)...	18.922	13.8	ng	795213	4	16.963	1155140	20.0