LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032122\
Data File : BP009469.D
Acq On : 21 Mar 2022 14:23
Operator : CG/JU
Sample : N1983-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
124035

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-BP031722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP009469.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.046	6	10	22	rVB	562171	791709	1.95%	0.234%
2	5.399	403	410	438	rBV	5295983	9220181	22.66%	2.729%
3	6.981	668	679	702	rBV	5025594	9580321	23.54%	2.836%
4	7.793	809	817	827	rBV	1271798	2209414	5.43%	0.654%
5	8.952	996	1014	1025	rBV	3236022	6222646	15.29%	1.842%
6	10.587	1283	1292	1297	rBV	1727642	3304900	8.12%	0.978%
7	10.634	1297	1300	1310	rVB	909799	1757655	4.32%	0.520%
8	12.251	1567	1575	1583	rVB	2946211	4902635	12.05%	1.451%
9	12.381	1591	1597	1603	rBV2	282176	602229	1.48%	0.178%
10	12.469	1606	1612	1624	rVB	2022061	3752530	9.22%	1.111%
11	12.987	1695	1700	1705	rBV2	311699	471193	1.16%	0.139%
12	13.057	1705	1712	1723	rVB	8396549	13205454	32.45%	3.909%
13	13.269	1742	1748	1756	rVB2	1282034	2145237	5.27%	0.635%
14	13.463	1777	1781	1796	rVB	504690	1231021	3.03%	0.364%
15	13.598	1797	1804	1814	rBV4	1080718	3034222	7.46%	0.898%
16	13.757	1824	1831	1836	rBV	1638210	3054043	7.51%	0.904%
17	13.810	1836	1840	1847	rVB	1036507	1604517	3.94%	0.475%
18	13.934	1857	1861	1865	rBV2	340789	492902	1.21%	0.146%
19	13.992	1865	1871	1875	rBV2	694572	1163848	2.86%	0.345%
20	14.157	1894	1899	1906	rVB	494948	804339	1.98%	0.238%
21	14.434	1937	1946	1952	rVV2	2901510	5880952	14.45%	1.741%
22	14.504	1952	1958	1965	rVV	8523942	14542349	35.74%	4.305%
23	14.569	1965	1969	1976	rVV	346591	615892	1.51%	0.182%
24	14.645	1977	1982	1992	rVV	354722	905835	2.23%	0.268%
25	14.745	1993	1999	2004	rVV2	447315	832153	2.05%	0.246%
26	14.839	2008	2015	2023	rVV	6034844	10097643	24.82%	2.989%
27	14.916	2023	2028	2035	rVV	543545	881210	2.17%	0.261%
28	15.063	2046	2053	2057	rBV2	457067	882582	2.17%	0.261%
29	15.110	2057	2061	2066	rVB	452485	678980	1.67%	0.201%
30	15.234	2075	2082	2085	rBV	424569	857300	2.11%	0.254%
31	15.492	2119	2126	2137	rBV	9577402	15007905	36.88%	4.443%
32	15.586	2137	2142	2144	rBV2	477835	735685	1.81%	0.218%
33	15.616	2144	2147	2150	rVV	504621	589020	1.45%	0.174%
34	15.651	2150	2153	2158	rVB2	1246555	1795624	4.41%	0.532%
35	15.710	2158	2163	2165	rBV3	546981	904112	2.22%	0.268%
36	15.786	2172	2176	2185	rVB	1785720	2925874	7.19%	0.866%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032122\
Data File : BP009469.D
Acq On : 21 Mar 2022 14:23
Operator : CG/JU
Sample : N1983-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
124035

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-BP031722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.934	2195	2201	2209	rBV	8642311	14241303	35.00%	4.216%
38	16.022	2209	2216	2223	rVB3	408573	983230	2.42%	0.291%
39	16.175	2235	2242	2244	rBV2	479061	1054668	2.59%	0.312%
40	16.198	2244	2246	2255	rVB	706459	1023601	2.52%	0.303%
41	16.292	2257	2262	2269	rVB4	410402	772190	1.90%	0.229%
42	16.498	2287	2297	2302	rBV2	1184126	2749502	6.76%	0.814%
43	16.551	2302	2306	2311	rVB2	515292	755682	1.86%	0.224%
44	16.651	2320	2323	2328	rVB	595981	899511	2.21%	0.266%
45	16.775	2341	2344	2348	rVB3	499253	620978	1.53%	0.184%
46	16.851	2355	2357	2365	rVB4	300967	516137	1.27%	0.153%
47	16.933	2366	2371	2376	rVV3	772736	1729877	4.25%	0.512%
48	17.016	2380	2385	2395	rVB	2761847	4913978	12.08%	1.455%
49	17.198	2411	2416	2419	rBV	2792910	4728936	11.62%	1.400%
50	17.245	2419	2424	2430	rVV	24261685	40689491	100.00%	12.045%
51	17.333	2430	2439	2445	rVB	3941553	6623404	16.28%	1.961%
52	17.398	2445	2450	2455	rBV3	903057	1585755	3.90%	0.469%
53	17.610	2478	2486	2490	rBV2	1717741	2933698	7.21%	0.868%
54	17.722	2501	2505	2511	rBV3	609275	913746	2.25%	0.270%
55	17.786	2512	2516	2525	rVB4	330487	714661	1.76%	0.212%
56	17.922	2536	2539	2545	rVB	293521	433888	1.07%	0.128%
57	18.075	2559	2565	2568	rBV	2080147	3153546	7.75%	0.933%
58	18.122	2568	2573	2579	rVB	3017964	4946339	12.16%	1.464%
59	18.198	2581	2586	2591	rVB	1020534	1434979	3.53%	0.425%
60	18.263	2591	2597	2601	rBV2	4174116	6989650	17.18%	2.069%
61	18.557	2643	2647	2652	rBV	1443488	2077324	5.11%	0.615%
62	18.798	2685	2688	2692	rVB2	346649	455460	1.12%	0.135%
63	18.845	2693	2696	2699	rVV	385418	528770	1.30%	0.157%
64	18.880	2700	2702	2707	rVB3	352917	474786	1.17%	0.141%
65	18.963	2712	2716	2721	rBV	635820	1010794	2.48%	0.299%
66	19.027	2721	2727	2730	rBV4	311267	633544	1.56%	0.188%
67	19.098	2736	2739	2747	rVB2	291266	653197	1.61%	0.193%
68	19.222	2754	2760	2767	rBV	15775207	22330111	54.88%	6.610%
69	19.457	2797	2800	2804	rVB	484907	605252	1.49%	0.179%
70	19.575	2810	2820	2829	rBV2	10156387	19015931	46.73%	5.629%
71	19.645	2829	2832	2838	rVB2	567482	881380	2.17%	0.261%
72	19.775	2846	2854	2859	rBV	14526268	19583603	48.13%	5.797%
73	19.892	2869	2874	2881	rBV3	553859	1373449	3.38%	0.407%
74	20.022	2892	2896	2898	rBV	388346	610720	1.50%	0.181%
75	20.063	2899	2903	2913	rVB	1740364	2604352	6.40%	0.771%
76	20.157	2915	2919	2923	rBV	1664835	2240001	5.51%	0.663%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032122\
Data File : BP009469.D
Acq On : 21 Mar 2022 14:23
Operator : CG/JU
Sample : N1983-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
124035

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-BP031722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.216	2924	2929	2933	rVB2	621876	989800	2.43%	0.293%
78	20.398	2957	2960	2965	rVB2	325711	451809	1.11%	0.134%
79	20.963	3052	3056	3059	rBV	481920	782508	1.92%	0.232%
80	20.998	3059	3062	3065	rVV2	646267	773826	1.90%	0.229%
81	21.051	3066	3071	3075	rVV3	571346	1196794	2.94%	0.354%
82	21.227	3098	3101	3105	rVB	1014618	1106526	2.72%	0.328%
83	21.310	3108	3115	3118	rVV2	5082887	9719888	23.89%	2.877%
84	21.345	3118	3121	3130	rVB	2452380	3499874	8.60%	1.036%
85	21.427	3131	3135	3139	rBV	1179584	1725883	4.24%	0.511%
86	22.980	3394	3399	3405	rBV	1085329	2664236	6.55%	0.789%
87	23.604	3501	3505	3514	rVB	745741	1519373	3.73%	0.450%
88	23.710	3517	3523	3530	rVV2	2449783	5221678	12.83%	1.546%

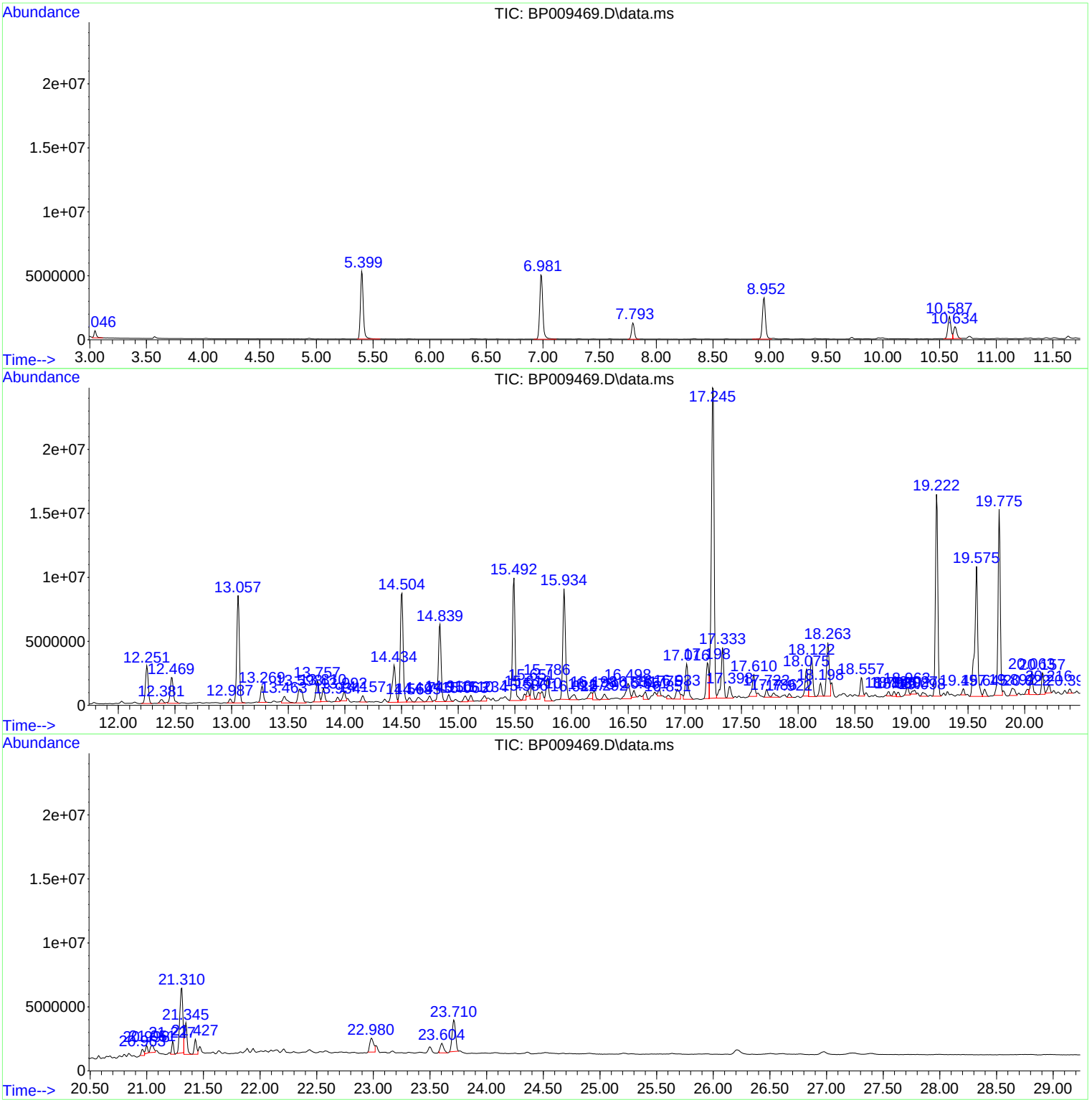
Sum of corrected areas: 337823731

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032122\
Data File : BP009469.D
Acq On : 21 Mar 2022 14:23
Operator : CG/JU
Sample : N1983-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032122\
Data File : BP009469.D
Acq On : 21 Mar 2022 14:23
Operator : CG/JU
Sample : N1983-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

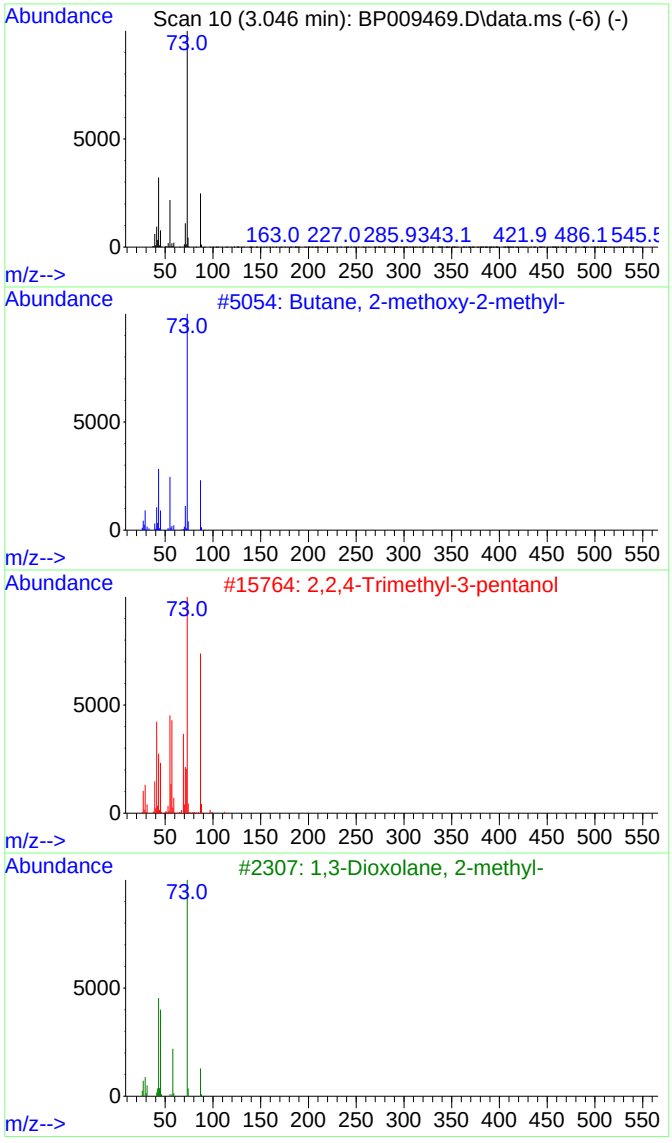
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

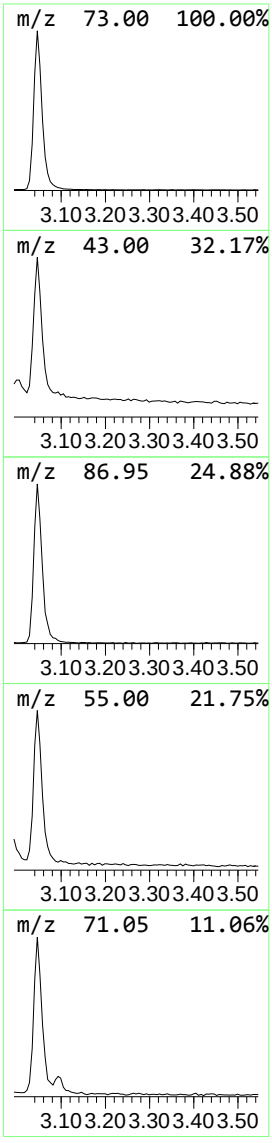
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.046	7.17 ng	791709	1,4-Dichlorobenzene-d4	7.793

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	90
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	43
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032122\
Data File : BP009469.D
Acq On : 21 Mar 2022 14:23
Operator : CG/JU
Sample : N1983-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

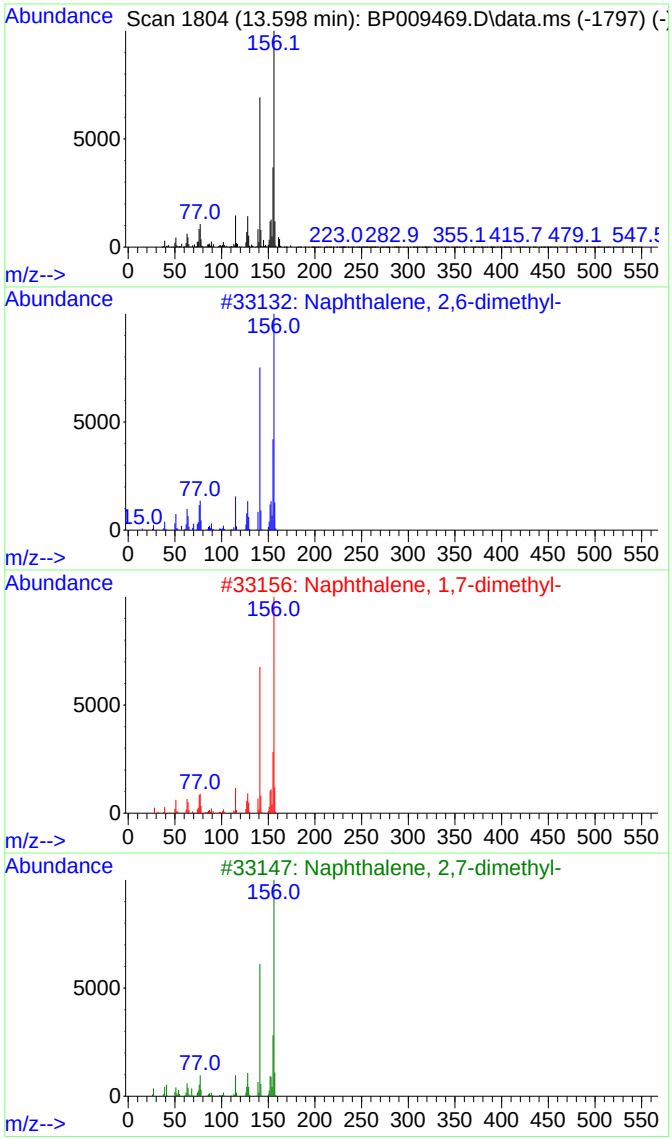
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

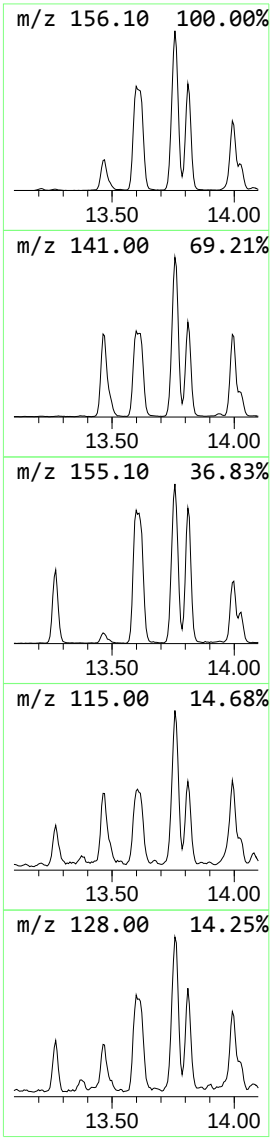
****

Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.598	10.32 ng	3034220	Acenaphthene-d10	14.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032122\
Data File : BP009469.D
Acq On : 21 Mar 2022 14:23
Operator : CG/JU
Sample : N1983-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

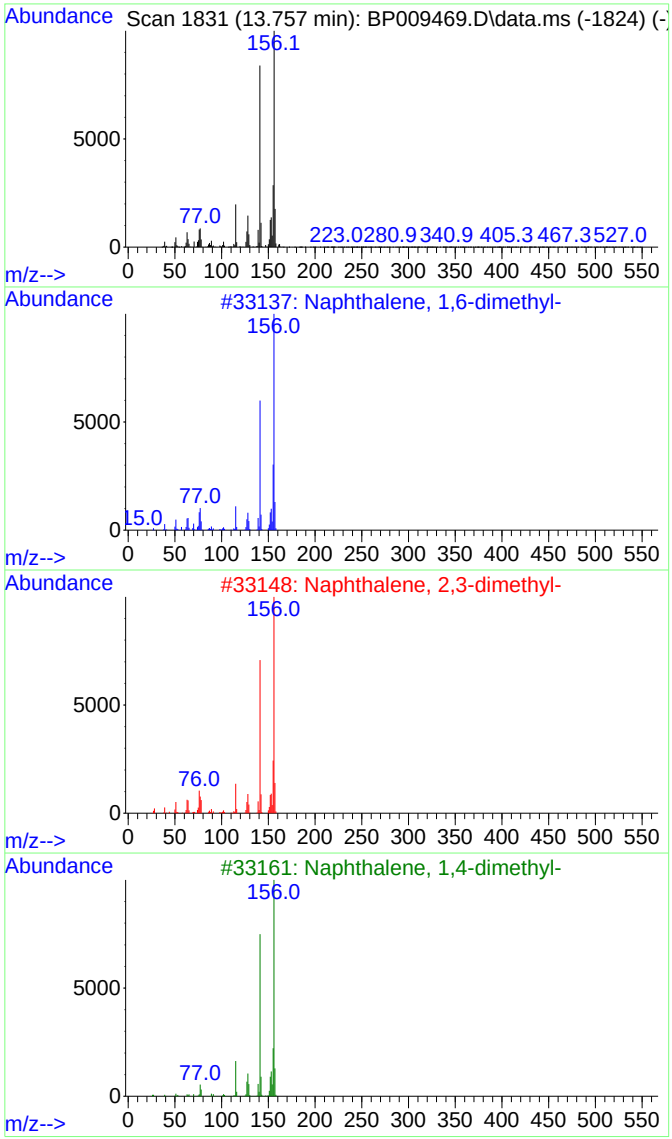
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

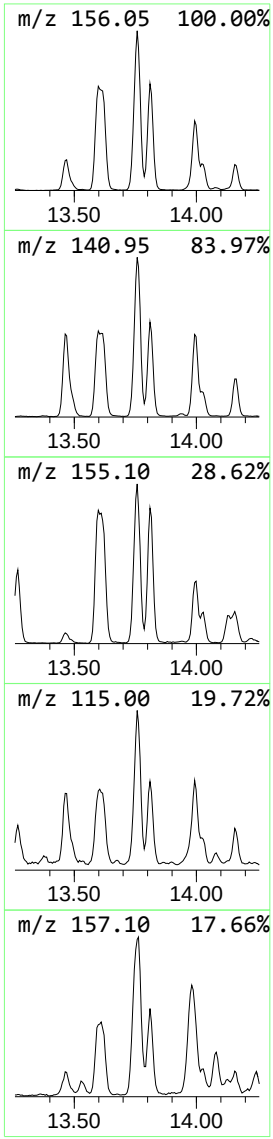
****

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.757	10.39 ng	3054040	Acenaphthene-d10	14.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032122\
Data File : BP009469.D
Acq On : 21 Mar 2022 14:23
Operator : CG/JU
Sample : N1983-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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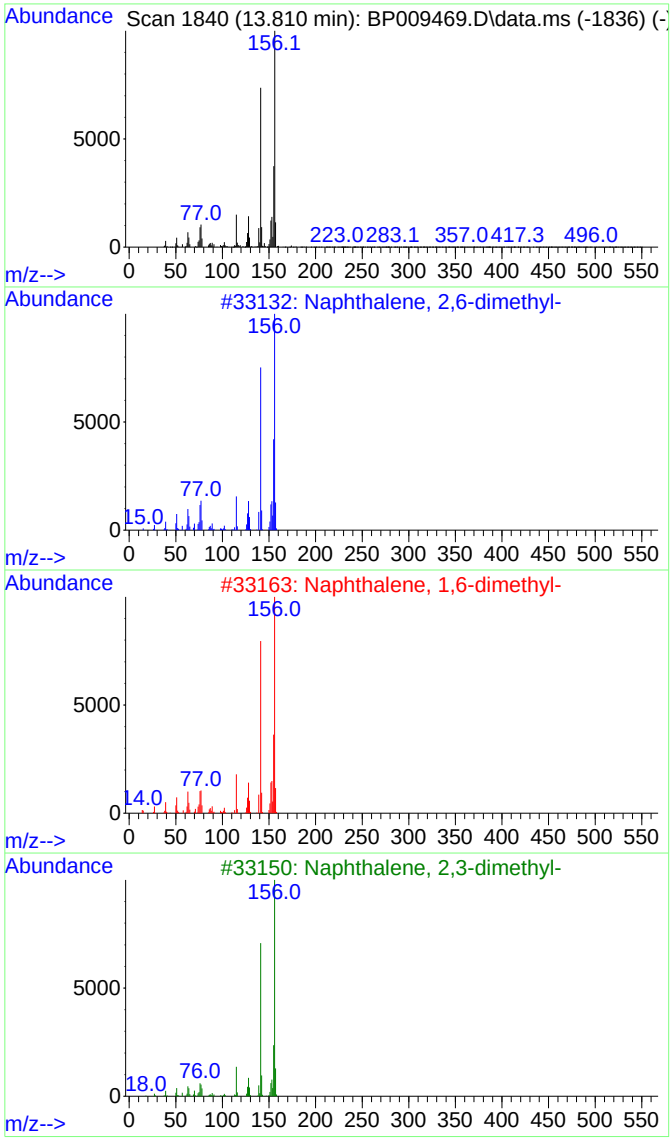
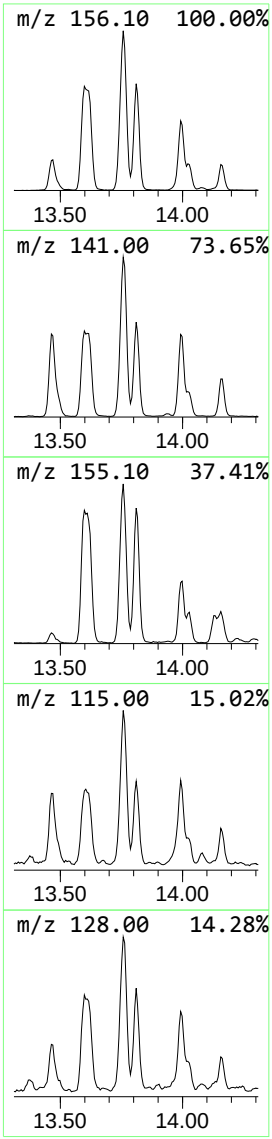
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.810	5.46 ng	1604520	Acenaphthene-d10	14.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032122\
Data File : BP009469.D
Acq On : 21 Mar 2022 14:23
Operator : CG/JU
Sample : N1983-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

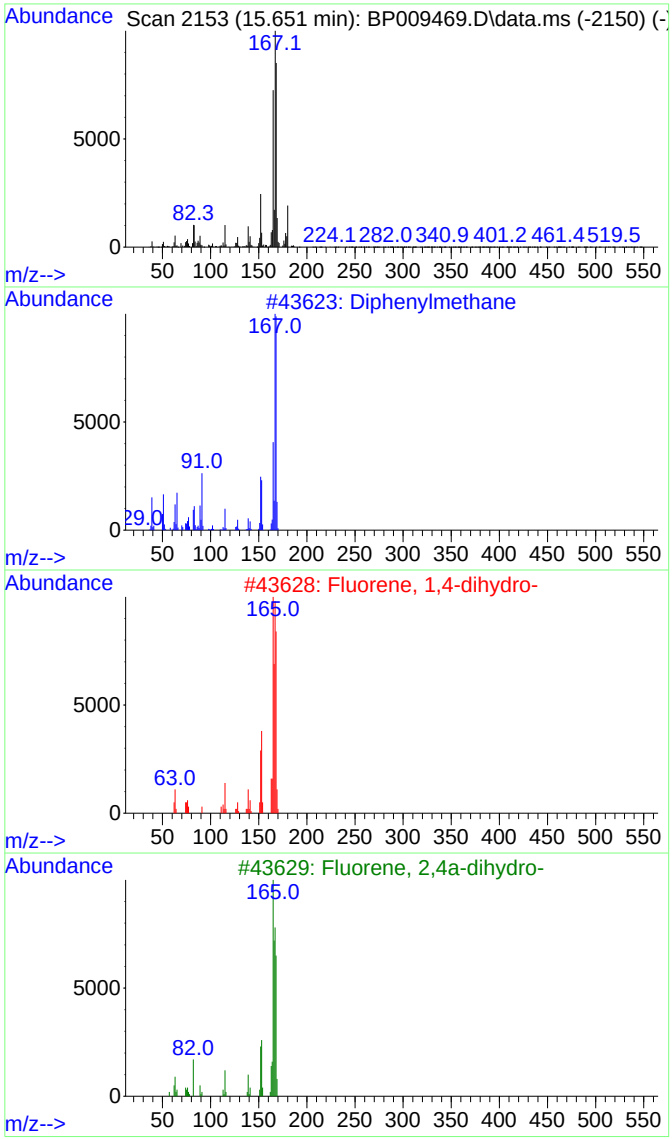
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

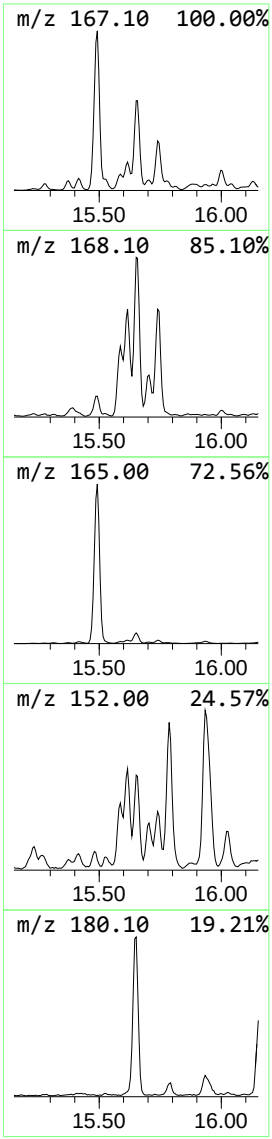
****

Peak Number 5 Diphenylmethane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	6.11 ng	1795620	Acenaphthene-d10	14.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	89
2	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	62
3	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	58
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	55
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032122\
Data File : BP009469.D
Acq On : 21 Mar 2022 14:23
Operator : CG/JU
Sample : N1983-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
124035

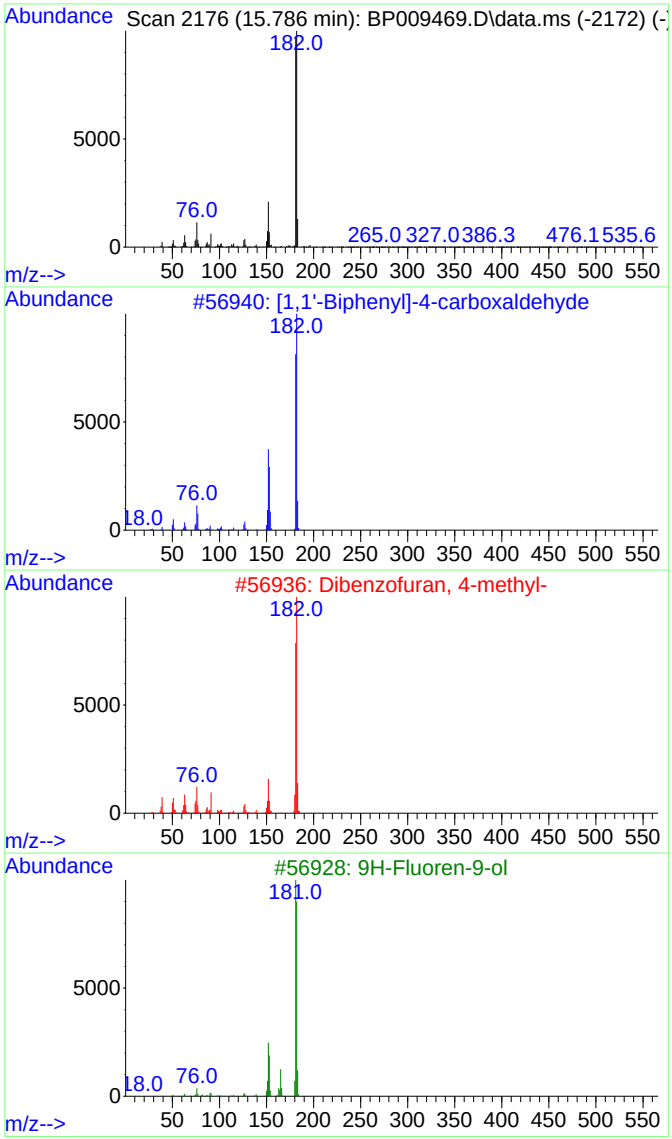
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

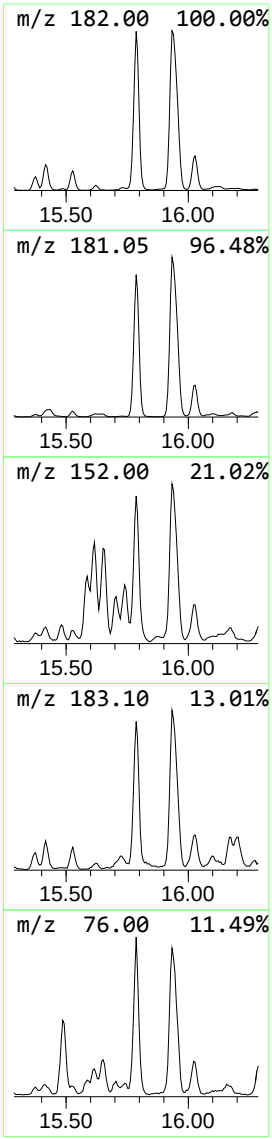
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.787	9.95 ng	2925870	Acenaphthene-d10	14.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	74
5	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	64





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Operator : CG/JU
Sample : N1983-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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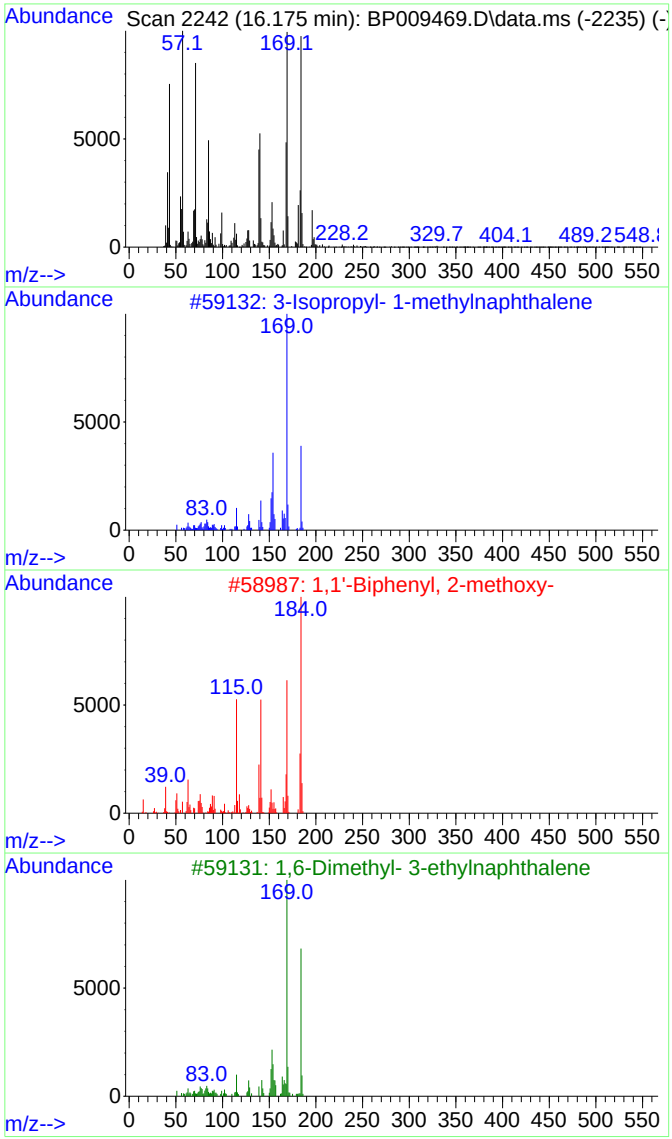
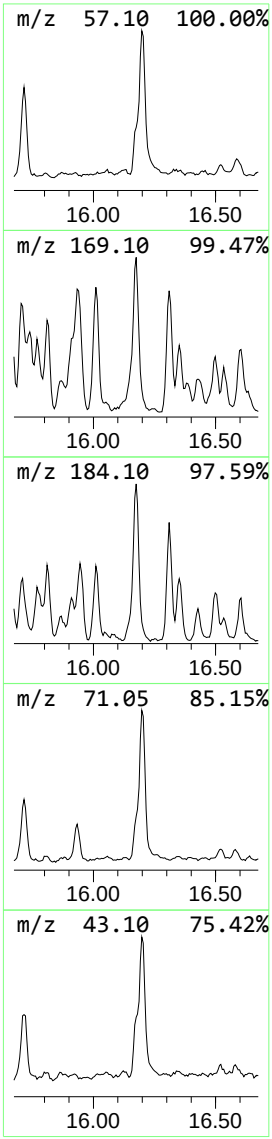
Peak Number 7 unknown16.175 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.175	4.46 ng	1054670	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Isopropyl- 1-methylnaphthalene	184	C14H16	1000383-71-4	38
2	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	38
3	1,6-Dimethyl- 3-ethylnaphthalene	184	C14H16	1000383-71-8	38
4	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	38
5	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	38





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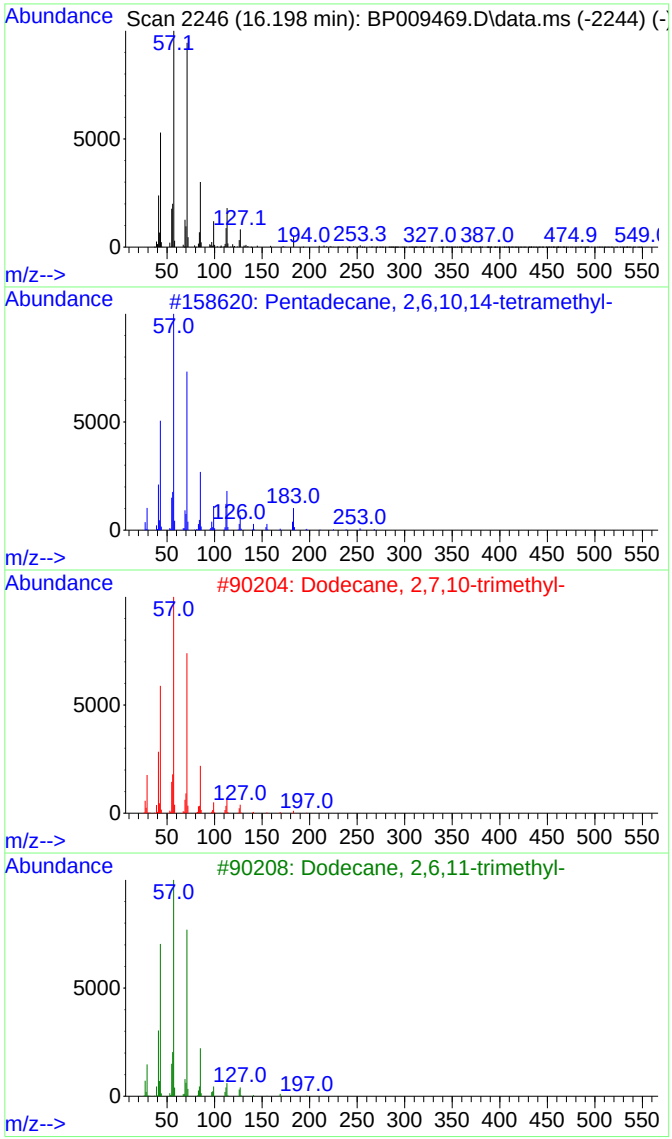
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

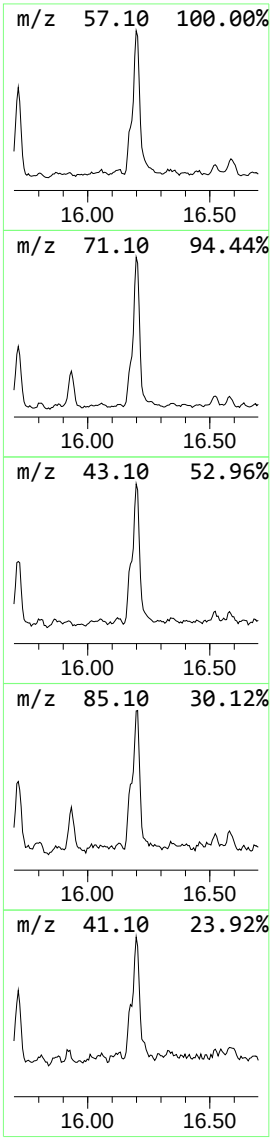
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Pentadecane, 2,6,10,14-tetr... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.198	4.33 ng	1023600	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	90
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	78
4	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	68
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	53





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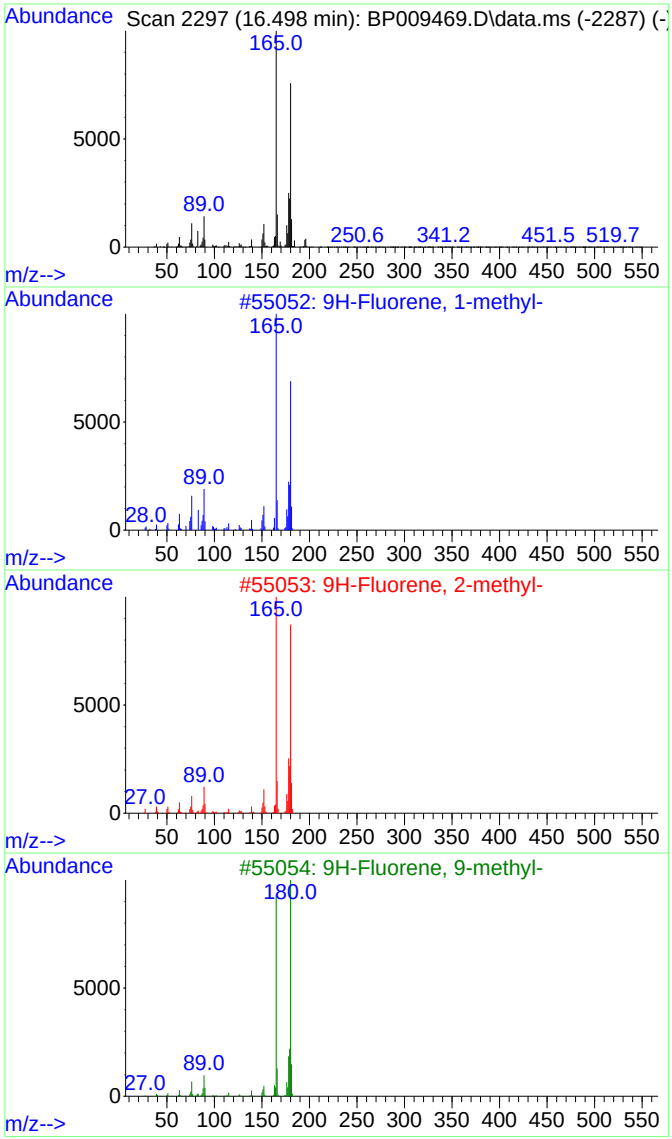
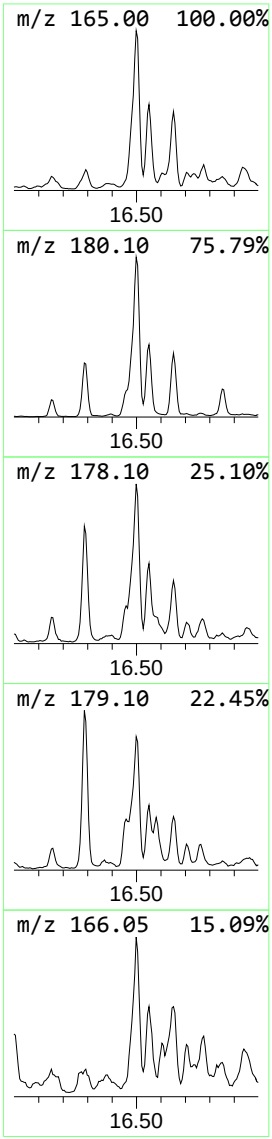
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 9H-Fluorene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.498	11.63 ng	2749500	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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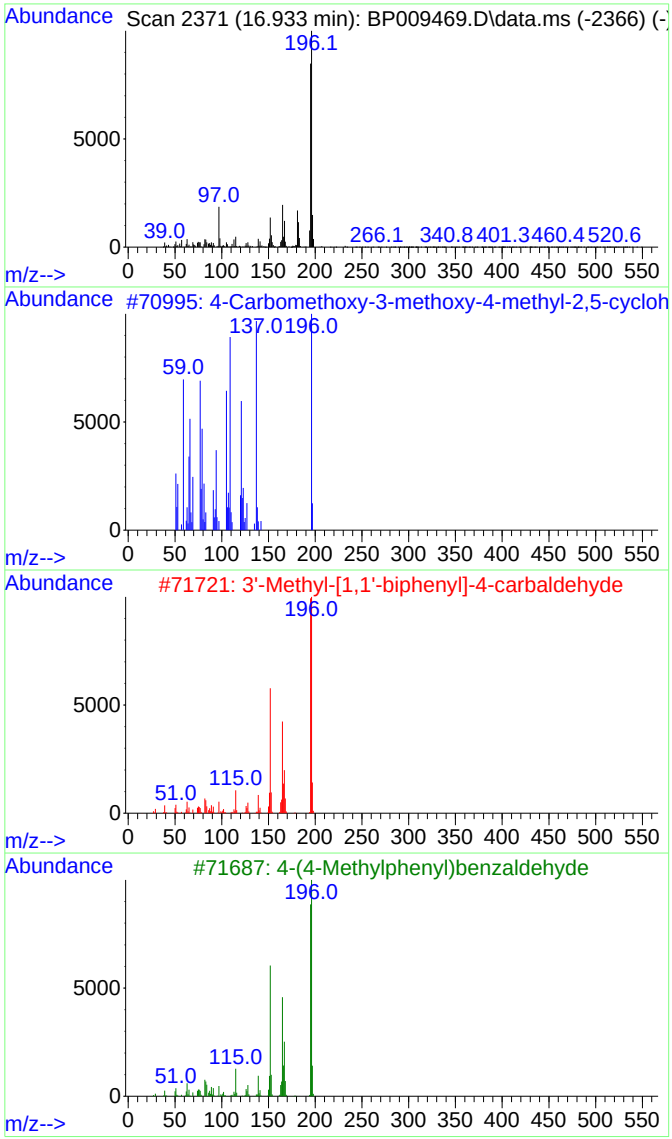
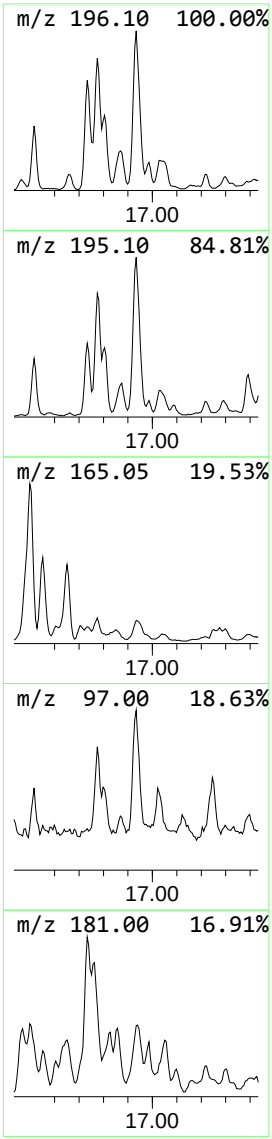
Peak Number 10 4-Carbomethoxy-3-methoxy-4-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.933	7.32 ng	1729880	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Carbomethoxy-3-methoxy-4-methy...	196	C10H12O4	120696-19-7	92
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	87
3	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	81
4	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	70





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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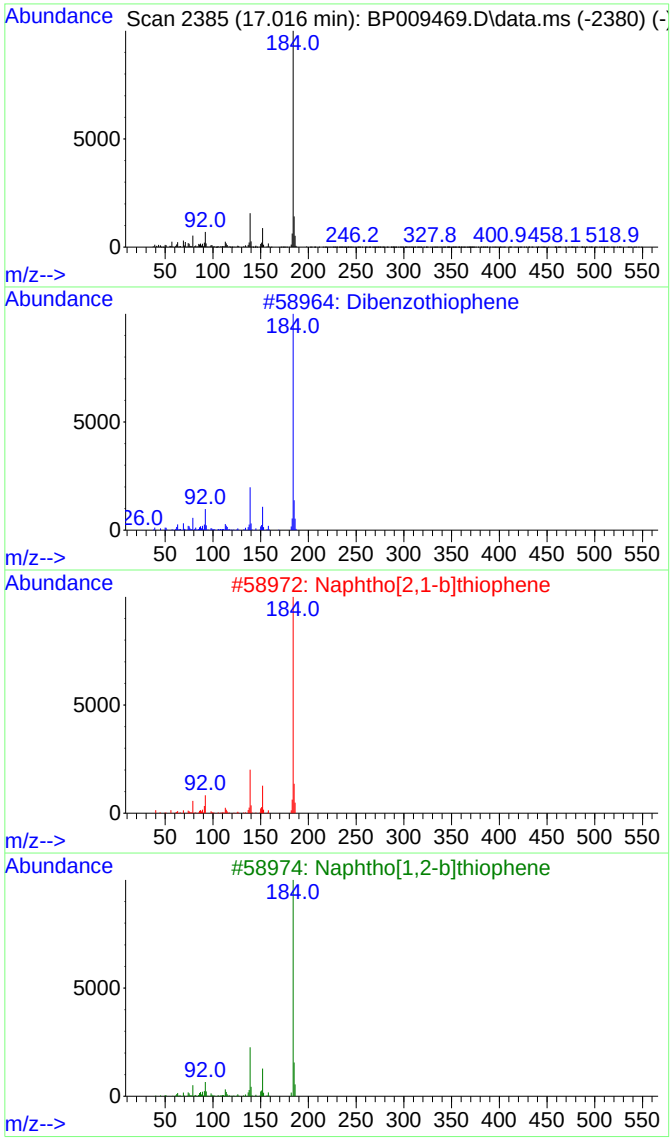
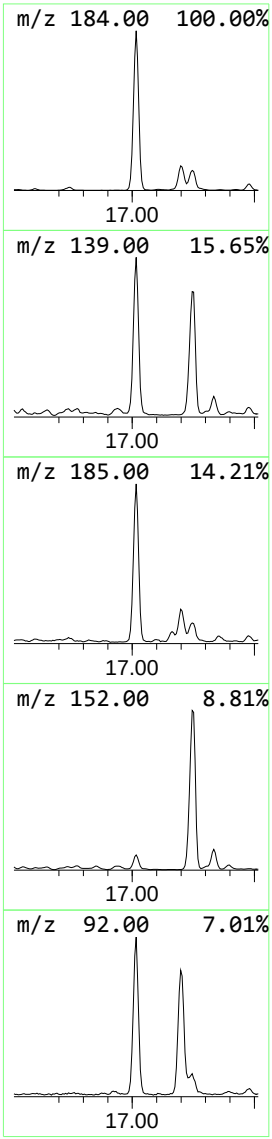
Peak Number 11 Dibenzothiophene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.016	20.78 ng	4913980	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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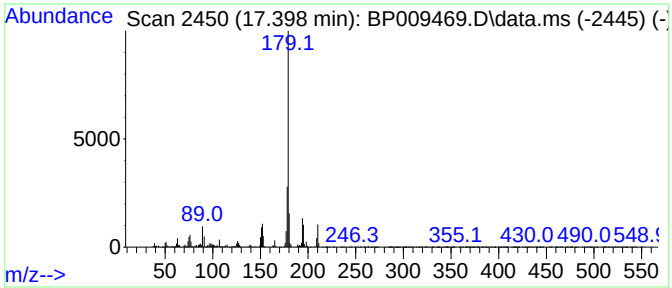
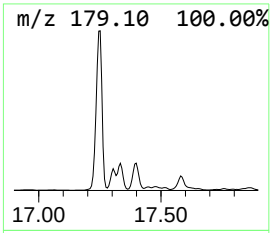
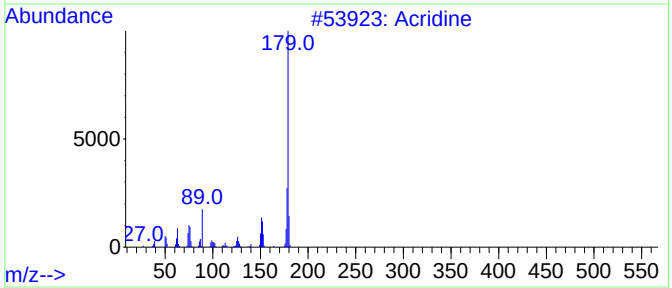
Peak Number 12 Acridine Concentration Rank 12

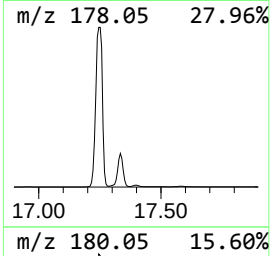
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.398	6.71 ng	1585760	Phenanthrene-d10	17.198

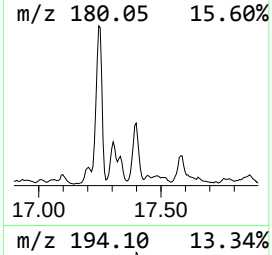
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	95
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	90
3	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	87
4	Phenanthridine	179	C13H9N	000229-87-8	86
5	Benzo[f]isoquinoline	179	C13H9N	000229-67-4	76

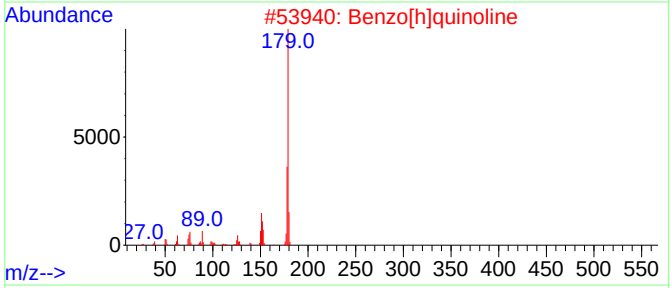


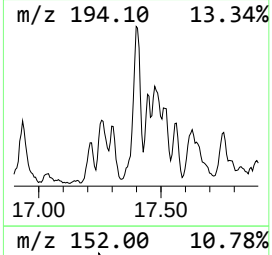


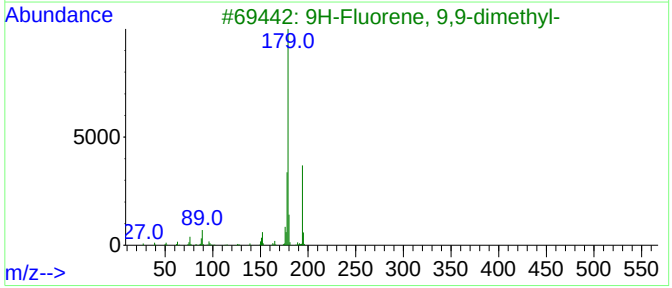


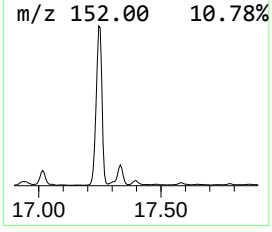












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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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TIC Integration Parameters: LSCINT.P

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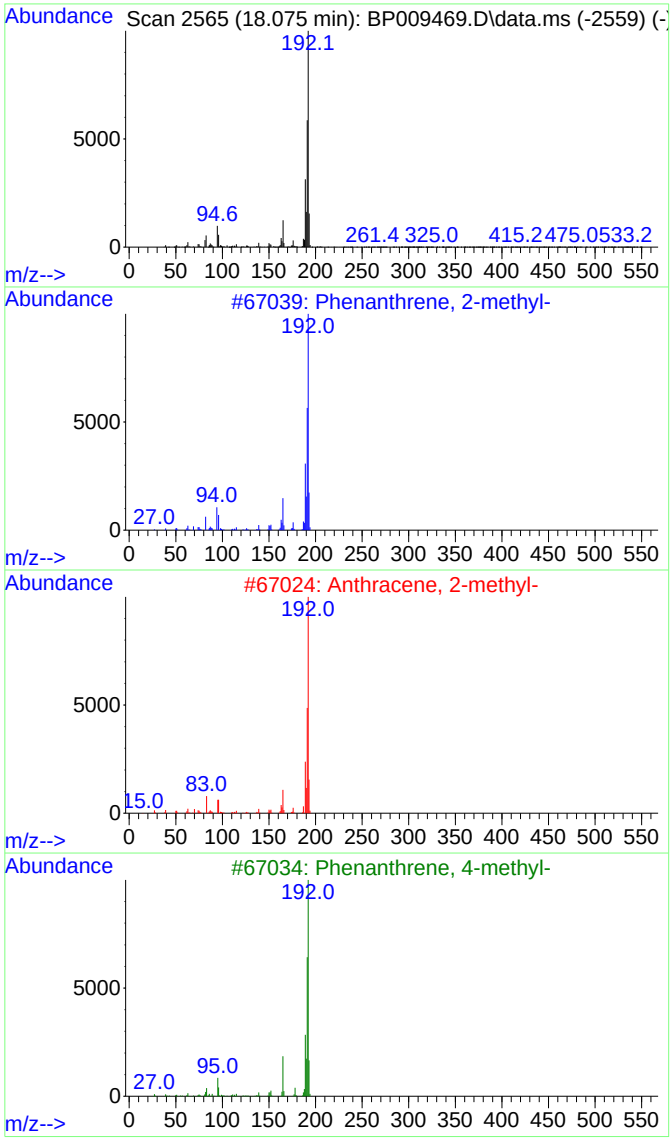
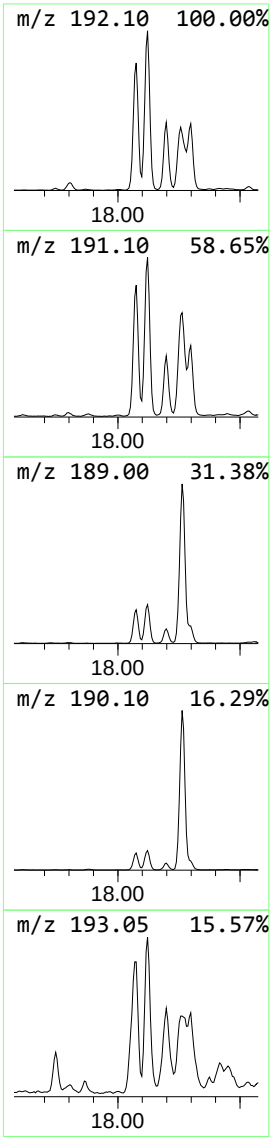
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.075	13.34 ng	3153550	Phenanthrene-d10	17.198

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	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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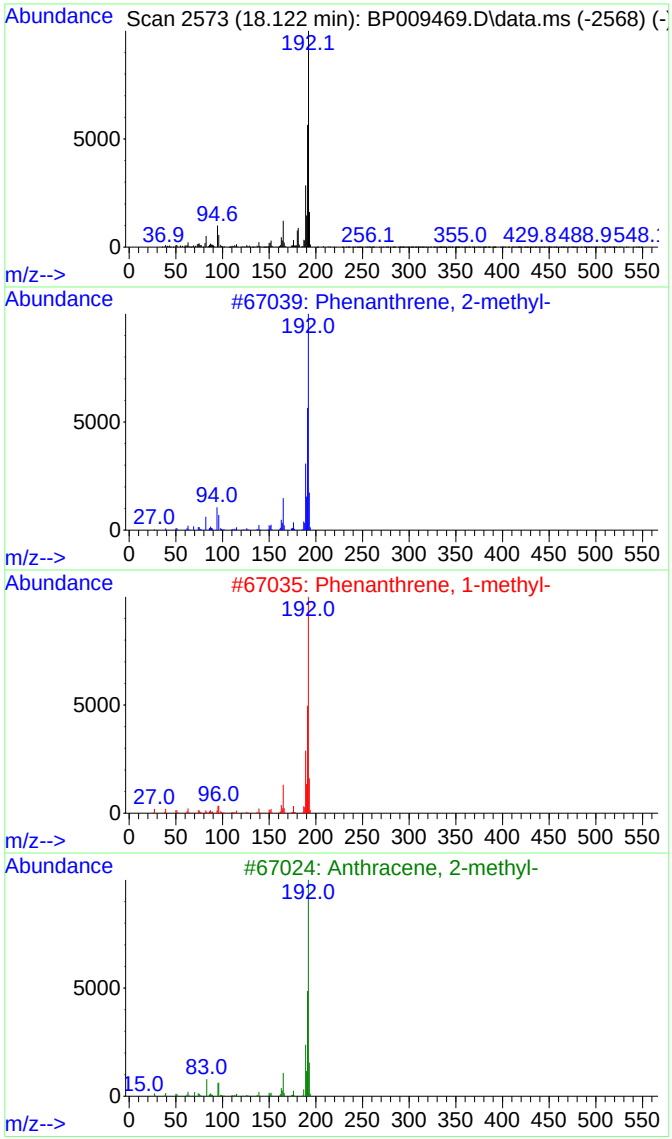
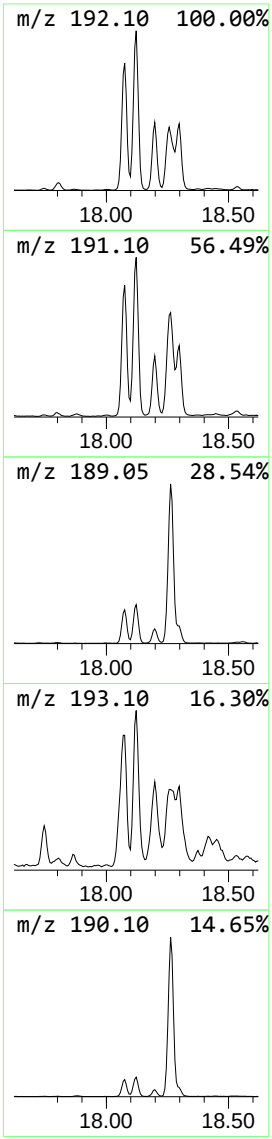
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.122	20.92 ng	4946340	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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ALS Vial : 6 Sample Multiplier: 1

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ClientSampleId :
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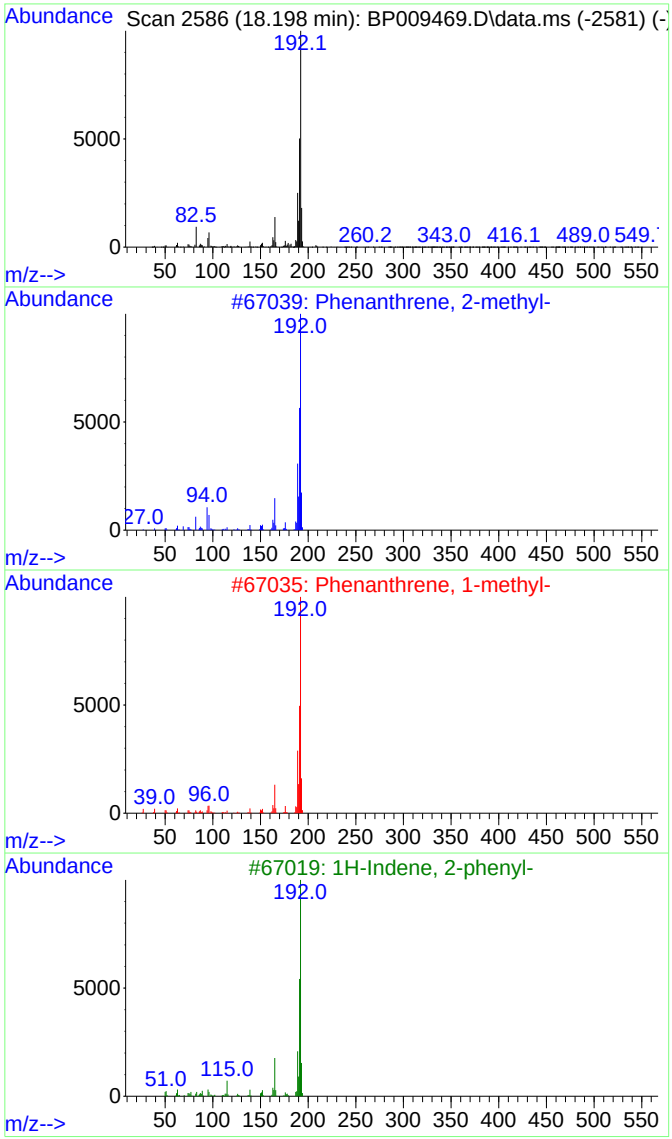
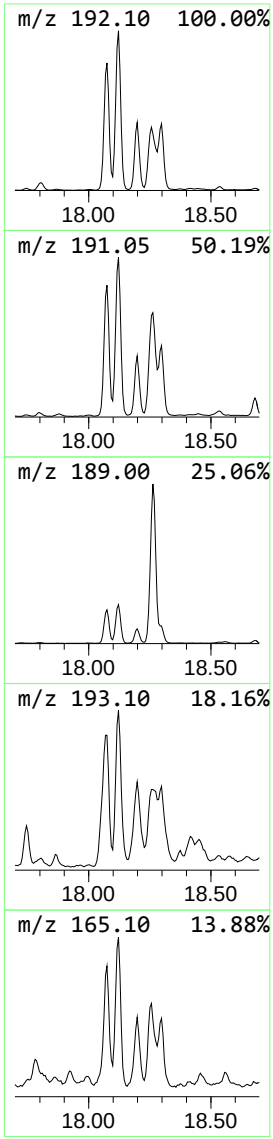
Peak Number 15 1H-Indene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.198	6.07 ng	1434980	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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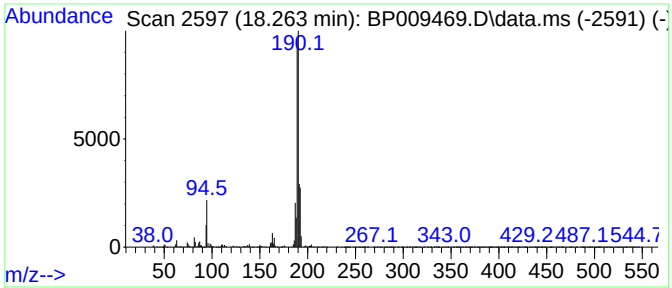
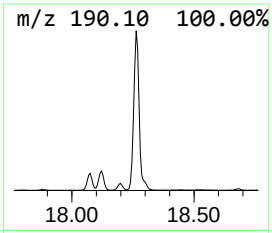
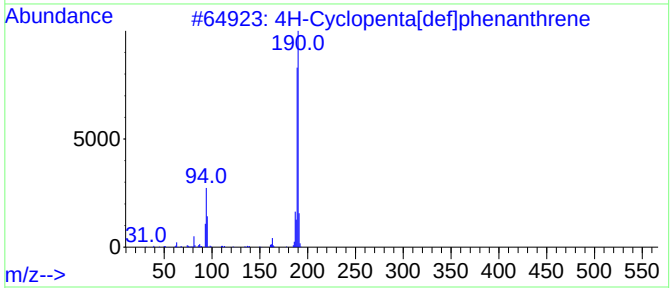
****
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

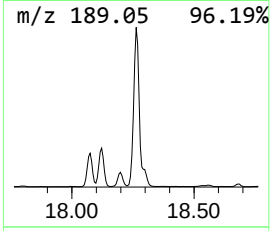
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.263	29.56 ng	6989650	Phenanthrene-d10	17.198

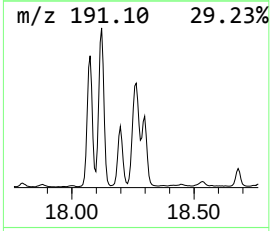
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45

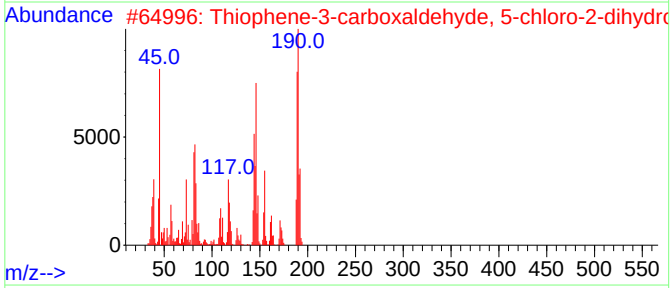


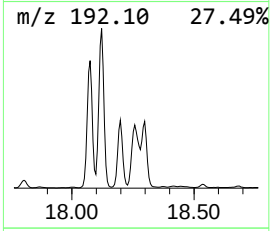


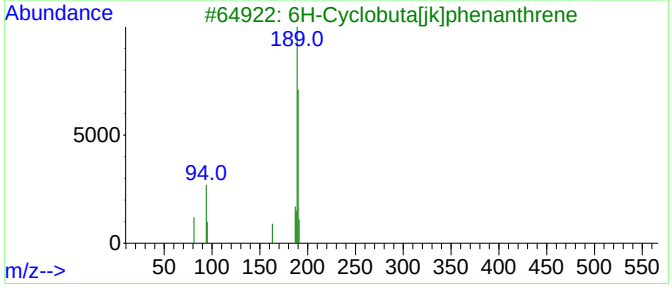


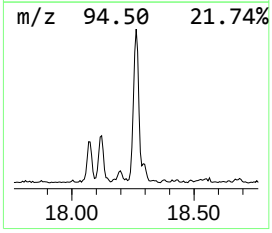












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032122\
Data File : BP009469.D
Acq On : 21 Mar 2022 14:23
Operator : CG/JU
Sample : N1983-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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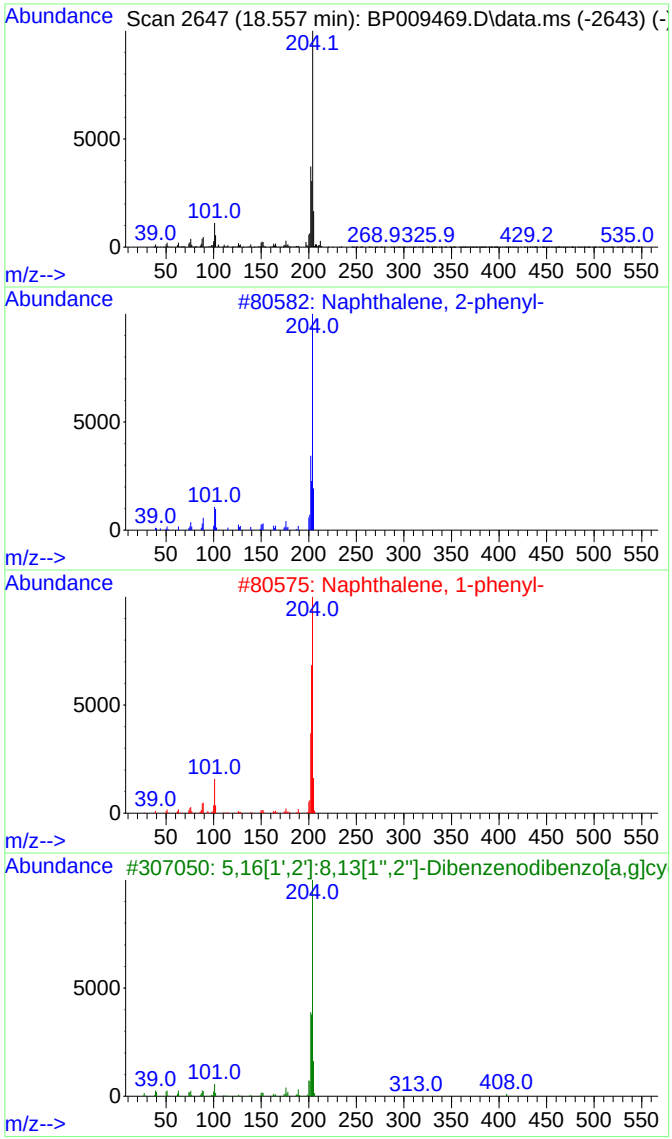
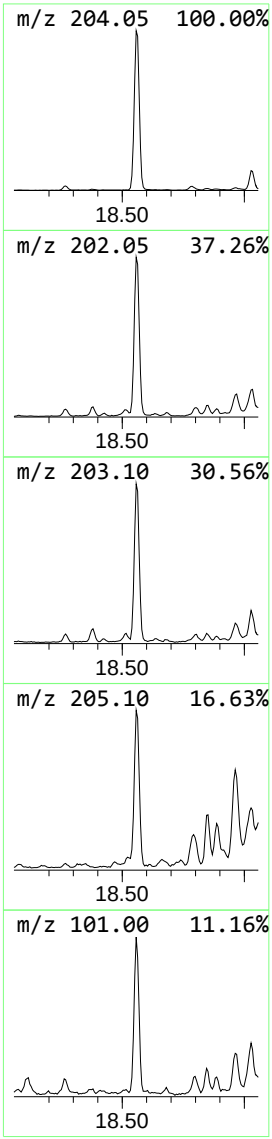
Peak Number 17 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.557	8.79 ng	2077320	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
4	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	53
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032122\
Data File : BP009469.D
Acq On : 21 Mar 2022 14:23
Operator : CG/JU
Sample : N1983-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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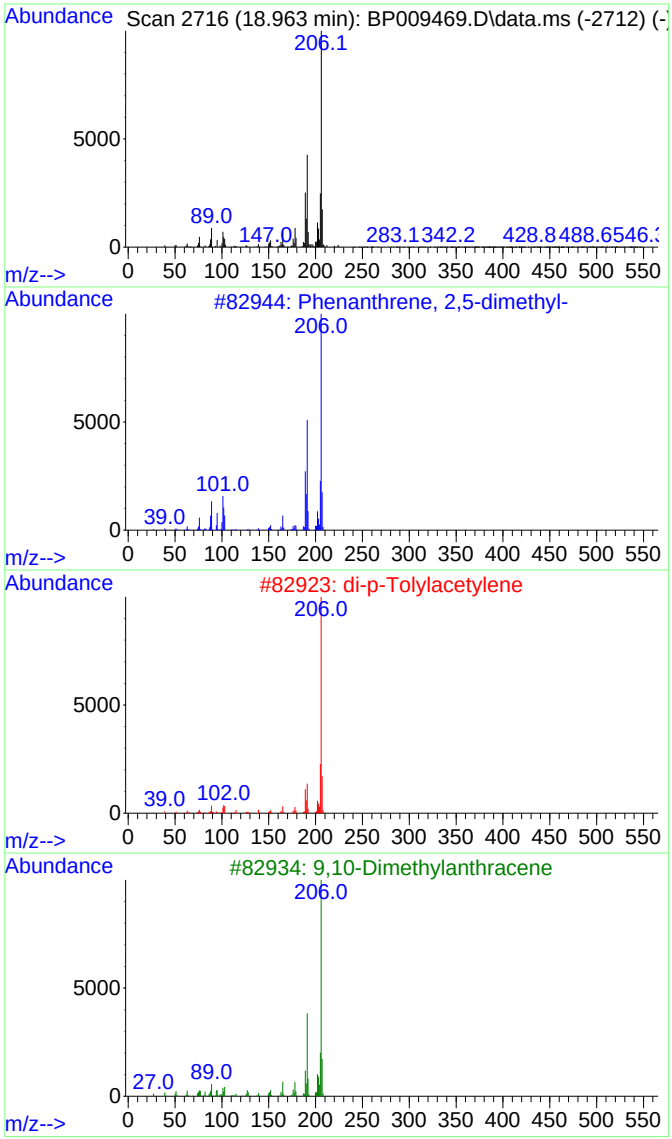
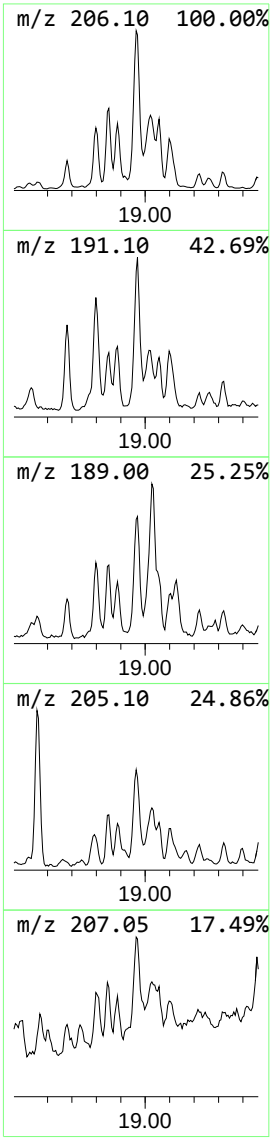
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.963	4.27 ng	1010790	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91





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Acq On : 21 Mar 2022 14:23
Operator : CG/JU
Sample : N1983-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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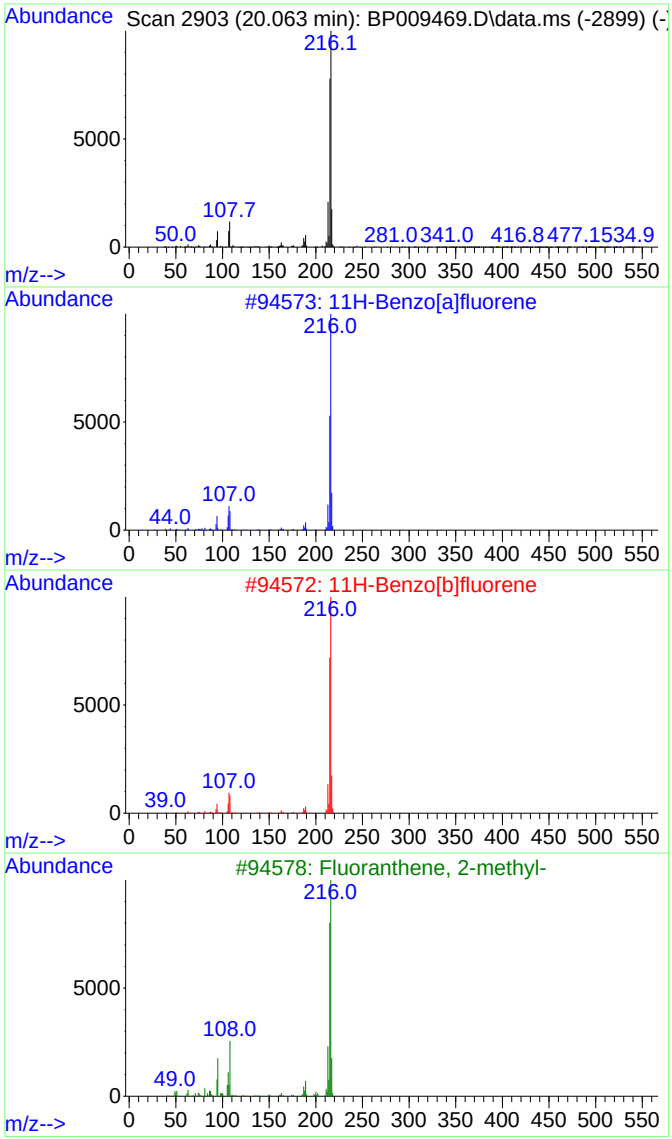
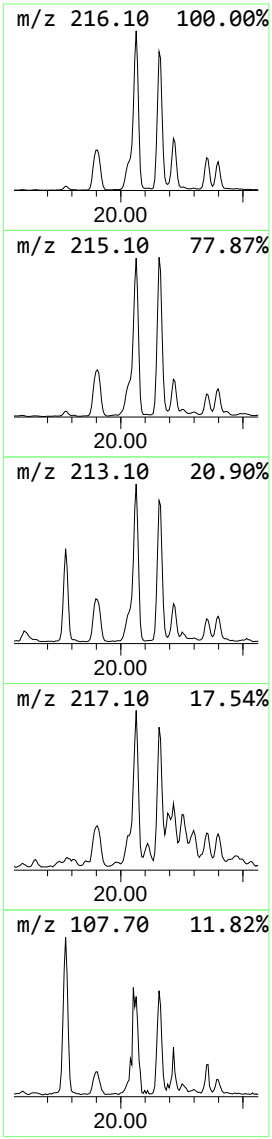
Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.063	5.36 ng	2604350	Chrysene-d12	21.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	97
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032122\
Data File : BP009469.D
Acq On : 21 Mar 2022 14:23
Operator : CG/JU
Sample : N1983-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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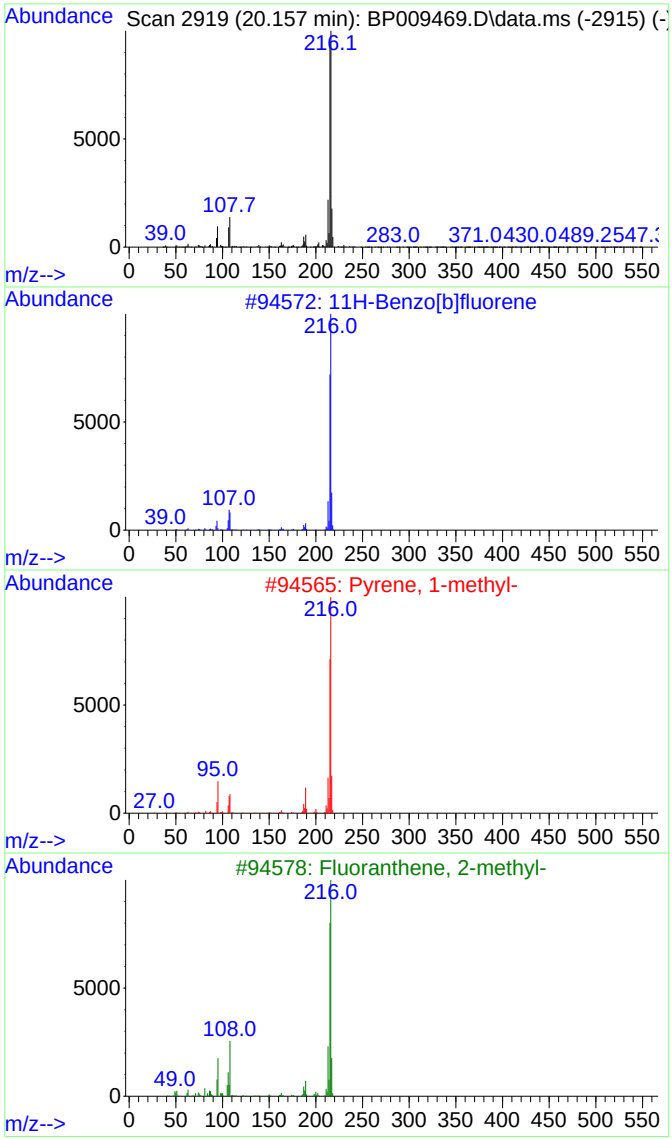
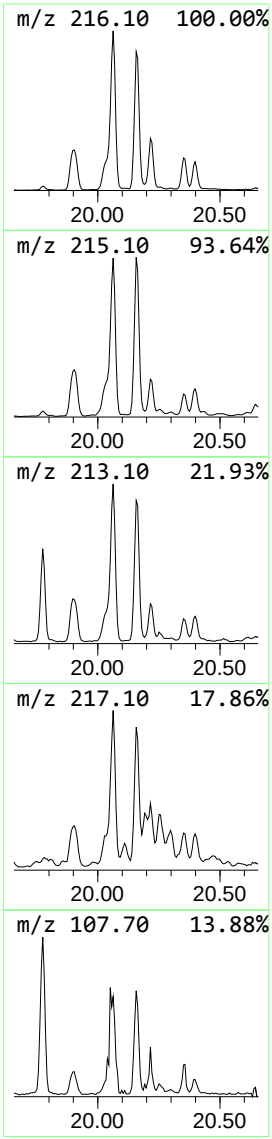
Peak Number 20 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.157	4.61 ng	2240000	Chrysene-d12	21.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032122\
Data File : BP009469.D
Acq On : 21 Mar 2022 14:23
Operator : CG/JU
Sample : N1983-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
124035

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.046	7.2	ng	791709	1	7.793	2209410	20.0
Naphthalene, 2,...	13.598	10.3	ng	3034220	3	14.434	5880950	20.0
Naphthalene, 1,...	13.757	10.4	ng	3054040	3	14.434	5880950	20.0
Naphthalene, 2,...	13.810	5.5	ng	1604520	3	14.434	5880950	20.0
Diphenylmethane	15.651	6.1	ng	1795620	3	14.434	5880950	20.0
[1,1'-Biphenyl]...	15.787	9.9	ng	2925870	3	14.434	5880950	20.0
unknown16.175	16.175	4.5	ng	1054670	4	17.198	4728940	20.0
Pentadecane, 2,...	16.198	4.3	ng	1023600	4	17.198	4728940	20.0
9H-Fluorene, 1-...	16.498	11.6	ng	2749500	4	17.198	4728940	20.0
4-Carbomethoxy-...	16.933	7.3	ng	1729880	4	17.198	4728940	20.0
Dibenzothiophene	17.016	20.8	ng	4913980	4	17.198	4728940	20.0
Acridine	17.398	6.7	ng	1585760	4	17.198	4728940	20.0
Phenanthrene, 2...	18.075	13.3	ng	3153550	4	17.198	4728940	20.0
Phenanthrene, 1...	18.122	20.9	ng	4946340	4	17.198	4728940	20.0
1H-Indene, 2-ph...	18.198	6.1	ng	1434980	4	17.198	4728940	20.0
4H-Cyclopenta[d...	18.263	29.6	ng	6989650	4	17.198	4728940	20.0
Naphthalene, 2-...	18.557	8.8	ng	2077320	4	17.198	4728940	20.0
Phenanthrene, 2...	18.963	4.3	ng	1010790	4	17.198	4728940	20.0
11H-Benzo[a]flu...	20.063	5.4	ng	2604350	5	21.310	9719890	20.0
11H-Benzo[b]flu...	20.157	4.6	ng	2240000	5	21.310	9719890	20.0