LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034358.D
Acq On : 24 Mar 2022 02:46
Operator : CG/JU
Sample : N1958-13 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-13-12-13

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_M\Methods\8270-BM031522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM034358.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.496	377	384	393	rBV	701041	1033745	4.24%	0.533%
2	7.101	649	657	674	rBV	633630	1090835	4.47%	0.563%
3	7.937	791	799	809	rBV	650381	1031367	4.23%	0.532%
4	9.101	990	997	1008	rVB	376549	658604	2.70%	0.340%
5	10.748	1267	1277	1282	rBV	811228	1455969	5.97%	0.751%
6	10.801	1282	1286	1295	rVB	910494	1465744	6.01%	0.756%
7	12.413	1550	1560	1567	rBV	281716	455192	1.87%	0.235%
8	12.630	1586	1597	1607	rVB	641979	1030849	4.23%	0.532%
9	13.207	1688	1695	1712	rBV	1040748	1537114	6.31%	0.793%
10	13.907	1806	1814	1819	rBV	431969	774268	3.18%	0.399%
11	13.954	1819	1822	1831	rVB	228162	352897	1.45%	0.182%
12	14.136	1845	1853	1857	rBV	228090	363759	1.49%	0.188%
13	14.301	1872	1881	1893	rBV	780496	1243033	5.10%	0.641%
14	14.577	1917	1928	1934	rBV2	1194070	2006027	8.23%	1.035%
15	14.642	1934	1939	1946	rVB	1098700	1666217	6.84%	0.860%
16	14.889	1973	1981	1985	rBV2	143687	259803	1.07%	0.134%
17	14.977	1990	1996	2004	rVV	1600137	2434293	9.99%	1.256%
18	15.054	2004	2009	2016	rVB	179730	263196	1.08%	0.136%
19	15.195	2026	2033	2038	rBV2	145170	274923	1.13%	0.142%
20	15.366	2054	2062	2065	rBV2	133718	262885	1.08%	0.136%
21	15.624	2100	2106	2117	rBV	3517739	4976668	20.42%	2.568%
22	15.748	2124	2127	2130	rVV	254335	336513	1.38%	0.174%
23	15.783	2130	2133	2138	rVB3	289781	409038	1.68%	0.211%
24	15.918	2151	2156	2166	rVB	528194	867815	3.56%	0.448%
25	16.065	2166	2181	2189	rVV	1280677	2360283	9.68%	1.218%
26	16.154	2189	2196	2204	rVB3	126573	278529	1.14%	0.144%
27	16.624	2266	2276	2281	rBV2	635037	1315199	5.40%	0.679%
28	16.677	2281	2285	2291	rVV	345969	528483	2.17%	0.273%
29	16.777	2297	2302	2307	rVB	373629	574982	2.36%	0.297%
30	16.895	2318	2322	2326	rVB3	215764	303966	1.25%	0.157%
31	17.054	2342	2349	2359	rVV3	246413	693094	2.84%	0.358%
32	17.136	2359	2363	2374	rVB	974129	1507958	6.19%	0.778%
33	17.324	2389	2395	2398	rBV	1286265	2071636	8.50%	1.069%
34	17.371	2398	2403	2409	rVV	16835787	24376662	100.00%	12.577%
35	17.454	2412	2417	2422	rVV	3581383	5090477	20.88%	2.626%
36	17.512	2422	2427	2432	rVB3	276197	490712	2.01%	0.253%

LSC Area Percent Report

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Operator : CG/JU
Sample : N1958-13 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-13-12-13

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_M\Methods\8270-BM031522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.718	2458	2462	2467	rBV	963163	1411589	5.79%	0.728%
38	17.901	2486	2493	2502	rVB3	363155	605955	2.49%	0.313%
39	18.048	2513	2518	2526	rVB	231447	419800	1.72%	0.217%
40	18.201	2534	2544	2548	rBV	2244404	3546314	14.55%	1.830%
41	18.248	2548	2552	2559	rVB	2949375	4047290	16.60%	2.088%
42	18.330	2559	2566	2571	rBV	1081414	1677401	6.88%	0.865%
43	18.395	2571	2577	2581	rVV2	3090872	5810566	23.84%	2.998%
44	18.430	2581	2583	2590	rVB	1532177	1766062	7.24%	0.911%
45	18.595	2606	2611	2615	rBV3	171183	272401	1.12%	0.141%
46	18.695	2623	2628	2632	rBV	1099292	1441165	5.91%	0.744%
47	18.736	2632	2635	2645	rVB2	351424	595826	2.44%	0.307%
48	18.818	2646	2649	2656	rBV	196411	292801	1.20%	0.151%
49	18.942	2666	2670	2674	rVB	483528	567862	2.33%	0.293%
50	18.995	2675	2679	2682	rVV	489700	638414	2.62%	0.329%
51	19.030	2682	2685	2689	rVB	410969	527309	2.16%	0.272%
52	19.112	2694	2699	2704	rBV	1195549	2092081	8.58%	1.079%
53	19.177	2704	2710	2713	rVV3	710175	1459970	5.99%	0.753%
54	19.206	2713	2715	2719	rVB	435179	445801	1.83%	0.230%
55	19.254	2719	2723	2731	rBV2	449241	1064662	4.37%	0.549%
56	19.383	2738	2745	2751	rBV	13641564	18517530	75.96%	9.554%
57	19.442	2751	2755	2758	rVV2	333396	480875	1.97%	0.248%
58	19.477	2758	2761	2765	rVB3	368205	504716	2.07%	0.260%
59	19.524	2765	2769	2773	rBV	382948	460982	1.89%	0.238%
60	19.618	2781	2785	2788	rBV2	476674	625664	2.57%	0.323%
61	19.742	2802	2806	2814	rVB	10221178	14329986	58.79%	7.394%
62	19.812	2814	2818	2824	rVB2	652754	1122129	4.60%	0.579%
63	19.936	2825	2839	2843	rBV2	1831680	3352787	13.75%	1.730%
64	19.977	2843	2846	2851	rVB2	350651	506383	2.08%	0.261%
65	20.059	2854	2860	2867	rBV4	781172	2069619	8.49%	1.068%
66	20.195	2879	2883	2885	rBV3	464454	704719	2.89%	0.364%
67	20.230	2885	2889	2895	rVB	2194889	3145861	12.91%	1.623%
68	20.330	2902	2906	2910	rBV	2171603	2714773	11.14%	1.401%
69	20.389	2910	2916	2920	rVV3	1102760	1791578	7.35%	0.924%
70	20.430	2920	2923	2926	rVB3	246630	289225	1.19%	0.149%
71	20.471	2927	2930	2935	rVB4	209054	288060	1.18%	0.149%
72	20.530	2936	2940	2943	rBV	669991	836166	3.43%	0.431%
73	20.577	2944	2948	2952	rVB	727192	922747	3.79%	0.476%
74	20.783	2980	2983	2986	rBV3	162598	246260	1.01%	0.127%
75	20.824	2986	2990	2992	rBV	285186	386505	1.59%	0.199%
76	20.942	3005	3010	3013	rBV2	348587	656624	2.69%	0.339%

LSC Area Percent Report

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Acq On : 24 Mar 2022 02:46
Operator : CG/JU
Sample : N1958-13 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-13-12-13

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_M\Methods\8270-BM031522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.977	3014	3016	3022	rVB2	381146	602979	2.47%	0.311%
78	21.142	3038	3044	3047	rBV	817122	1288564	5.29%	0.665%
79	21.183	3047	3051	3053	rVV	769328	1003530	4.12%	0.518%
80	21.218	3054	3057	3062	rVB2	552499	935418	3.84%	0.483%
81	21.483	3097	3102	3107	rBV2	6183221	9983670	40.96%	5.151%
82	21.536	3107	3111	3121	rVB	4656656	6290456	25.81%	3.246%
83	21.659	3128	3132	3136	rBV	636688	935488	3.84%	0.483%
84	21.818	3156	3159	3165	rVB	496501	735675	3.02%	0.380%
85	22.077	3197	3203	3206	rBV	910673	1479588	6.07%	0.763%
86	22.124	3206	3211	3217	rVB2	592935	1245700	5.11%	0.643%
87	22.289	3235	3239	3241	rBV2	355040	483587	1.98%	0.250%
88	22.389	3253	3256	3267	rVB3	345105	607349	2.49%	0.313%
89	23.183	3384	3391	3396	rBV	2508523	6348555	26.04%	3.276%
90	23.365	3417	3422	3429	rBV	548717	943025	3.87%	0.487%
91	23.700	3474	3479	3489	rVB	1444091	2969046	12.18%	1.532%
92	23.806	3491	3497	3505	rBV	2371921	4763320	19.54%	2.458%
93	23.912	3510	3515	3520	rBV2	929517	1725444	7.08%	0.890%
94	26.430	3937	3943	3957	rVB2	955578	2996926	12.29%	1.546%

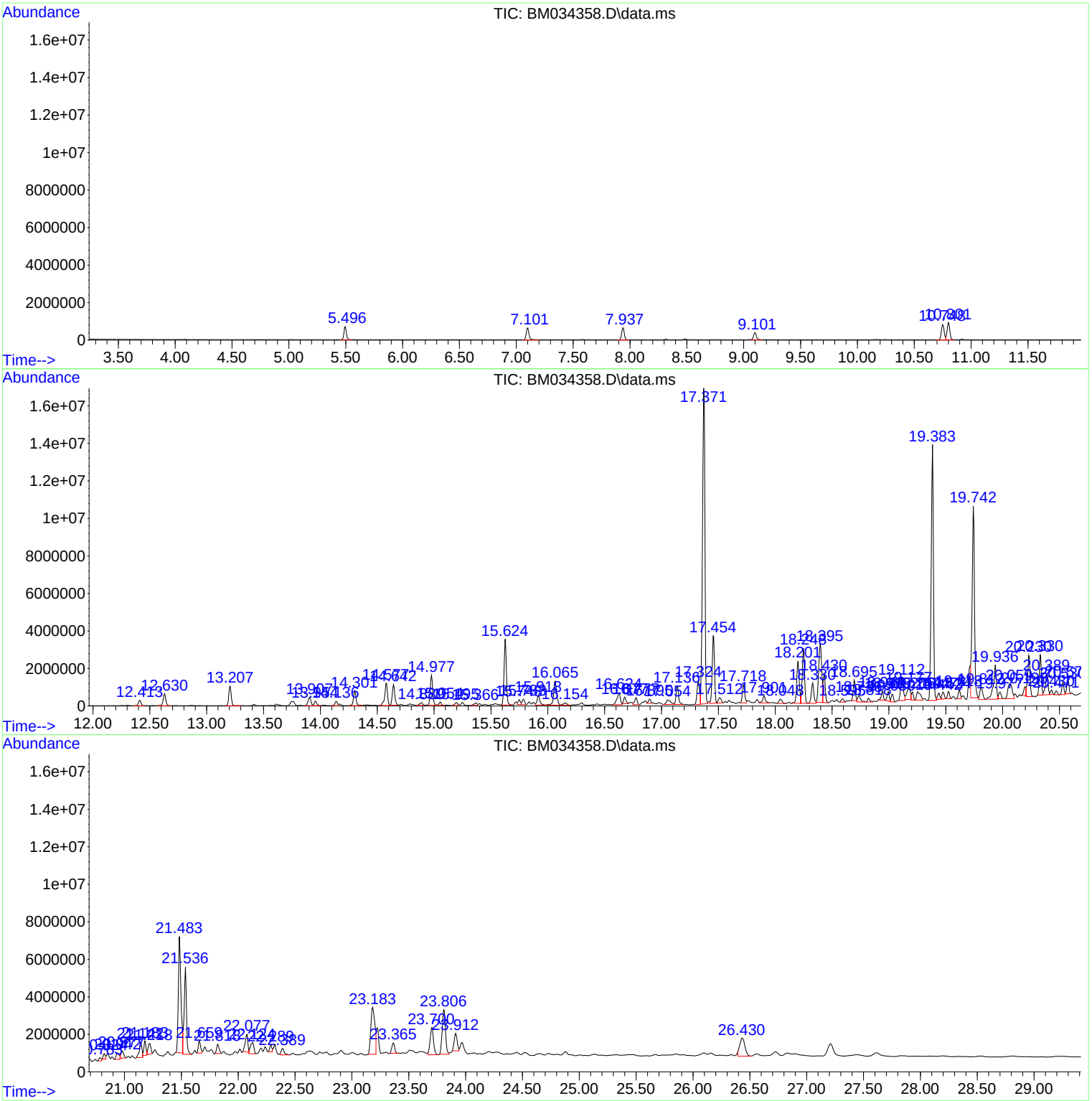
Sum of corrected areas: 193817513

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034358.D
Acq On : 24 Mar 2022 02:46
Operator : CG/JU
Sample : N1958-13 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-13-12-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.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_M\Data\BM032322\
Data File : BM034358.D
Acq On : 24 Mar 2022 02:46
Operator : CG/JU
Sample : N1958-13 5X
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Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

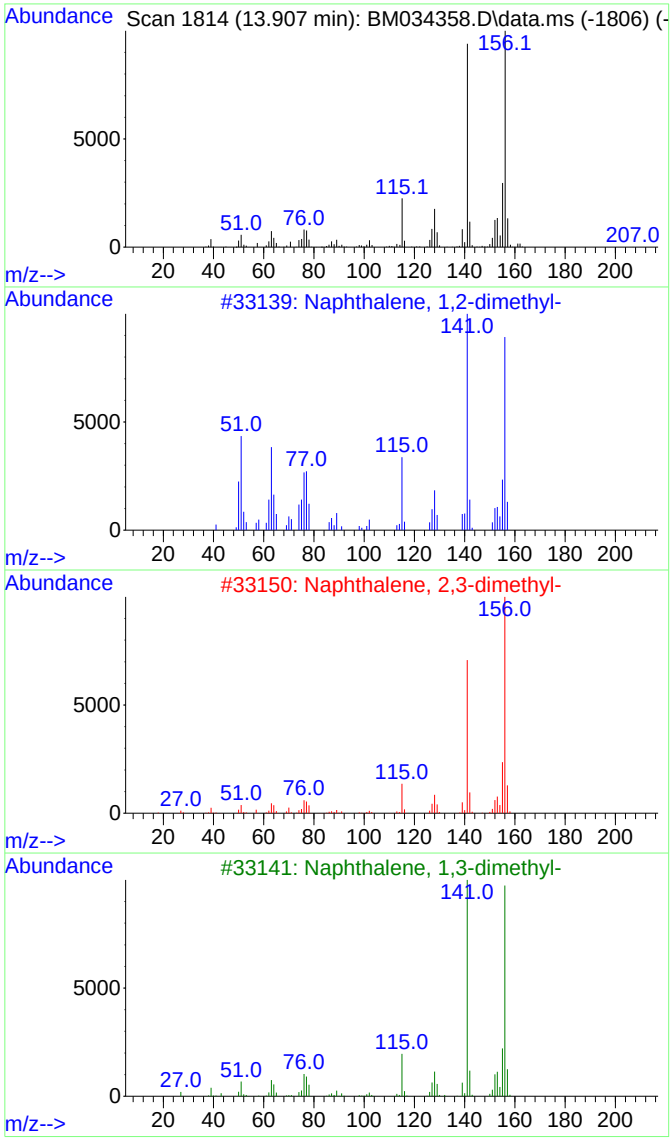
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

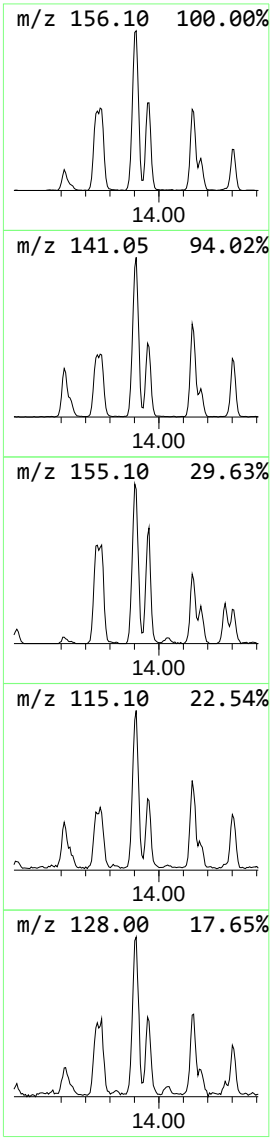
****

Peak Number 1 Naphthalene, 1,2-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.907	7.72 ng	774268	Acenaphthene-d10	14.577

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034358.D
Acq On : 24 Mar 2022 02:46
Operator : CG/JU
Sample : N1958-13 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-13-12-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

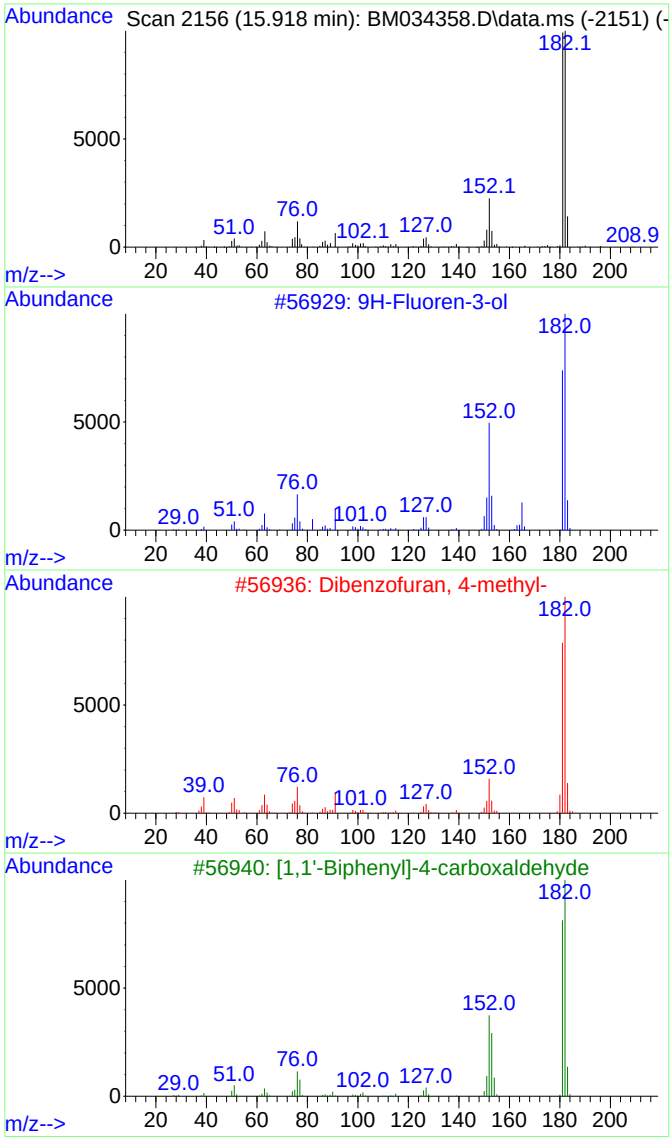
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

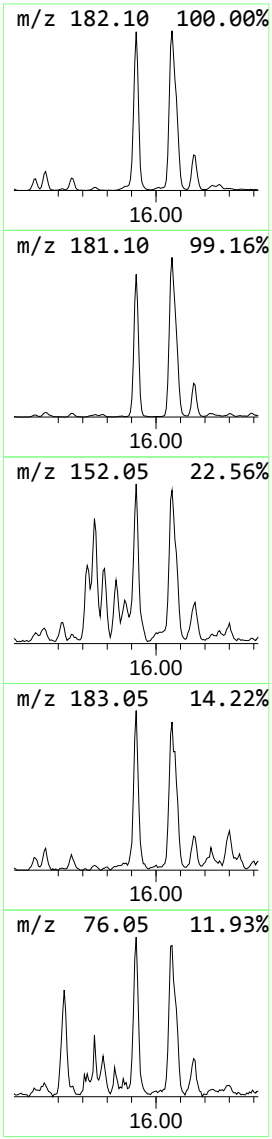
****

Peak Number 2 9H-Fluoren-3-ol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.918	8.65 ng	867815	Acenaphthene-d10	14.577

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78





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BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.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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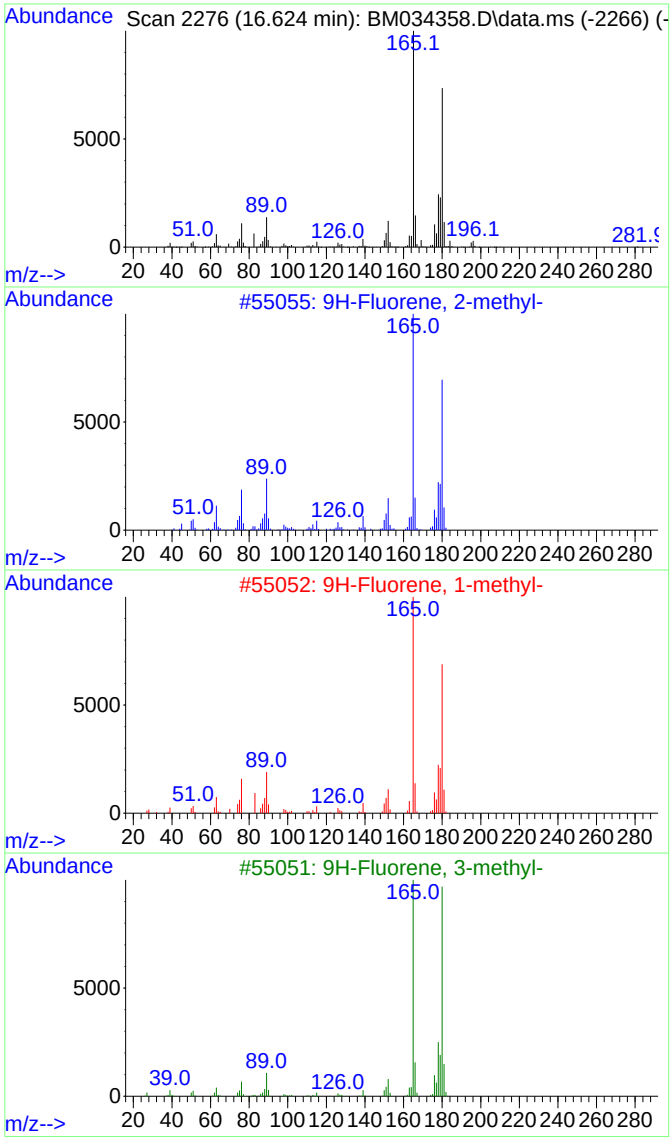
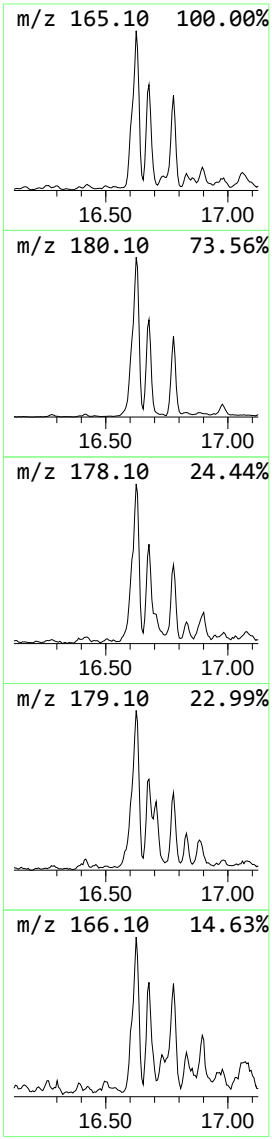
Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.624	12.70 ng	1315200	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	87





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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.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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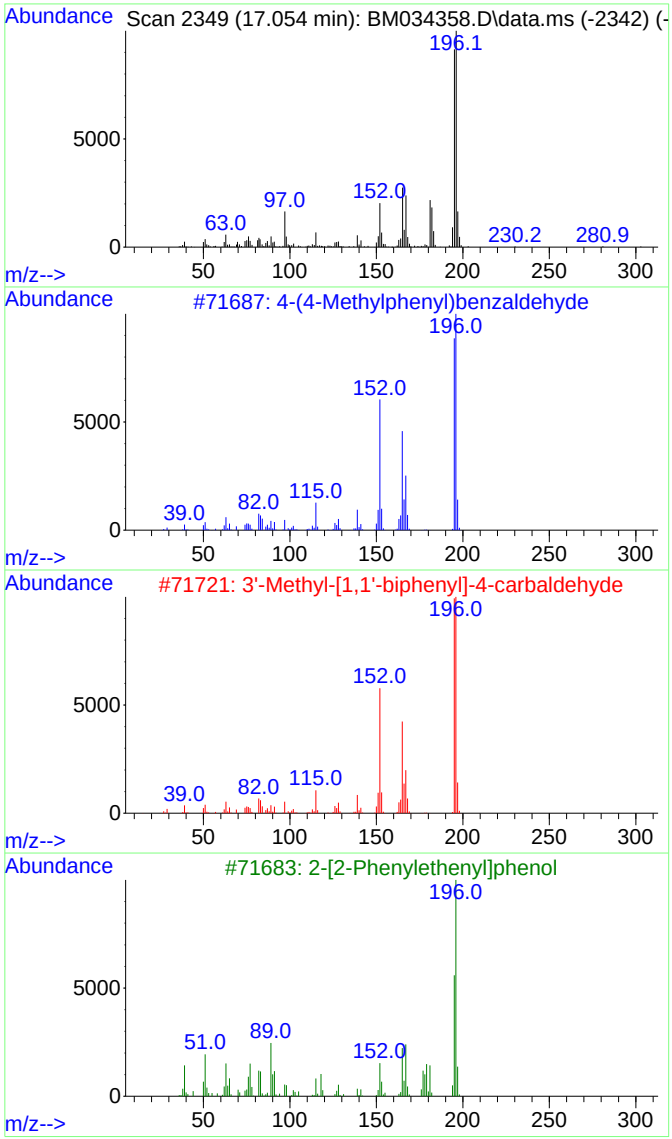
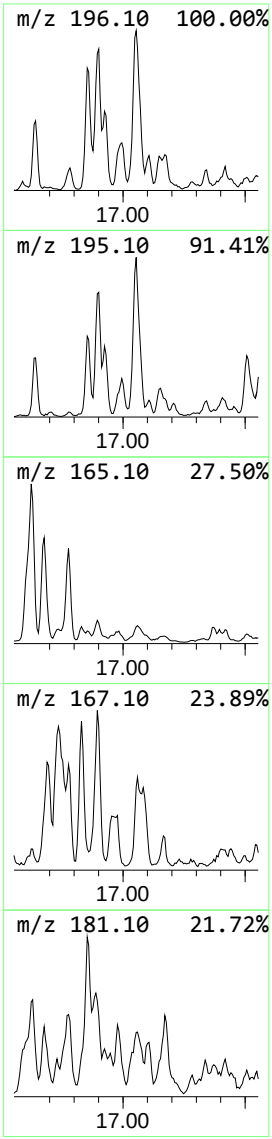
Peak Number 4 4-(4-Methylphenyl)benzaldehyde Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.054	6.69 ng	693094	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	90
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	70
3	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	64
4	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	59
5	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034358.D
Acq On : 24 Mar 2022 02:46
Operator : CG/JU
Sample : N1958-13 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-13-12-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

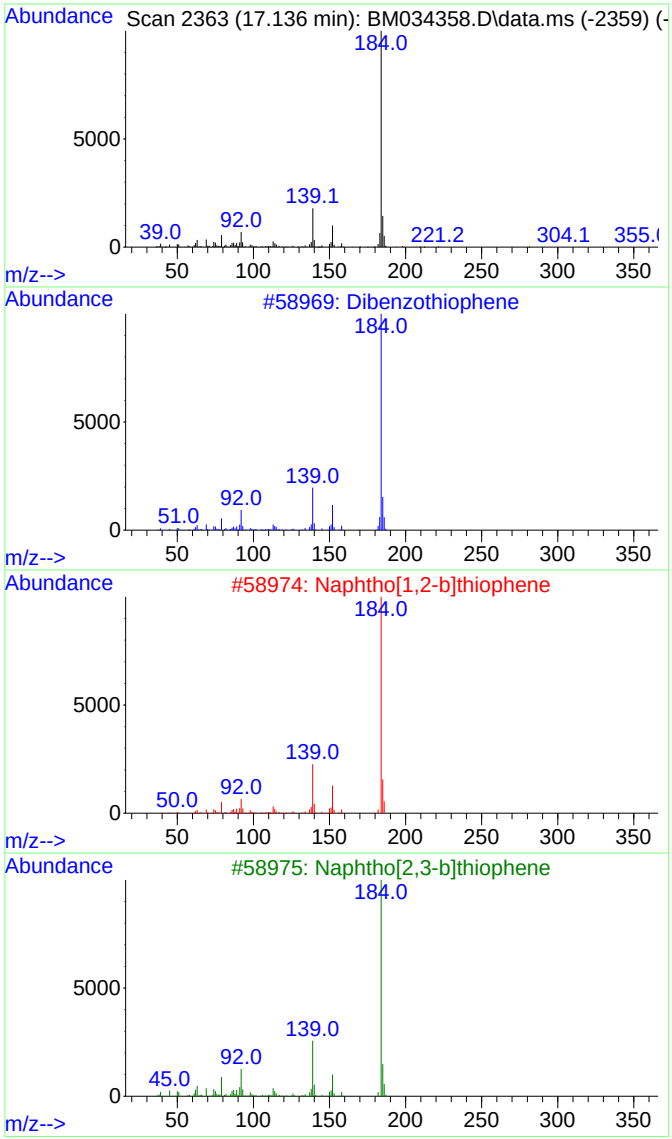
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

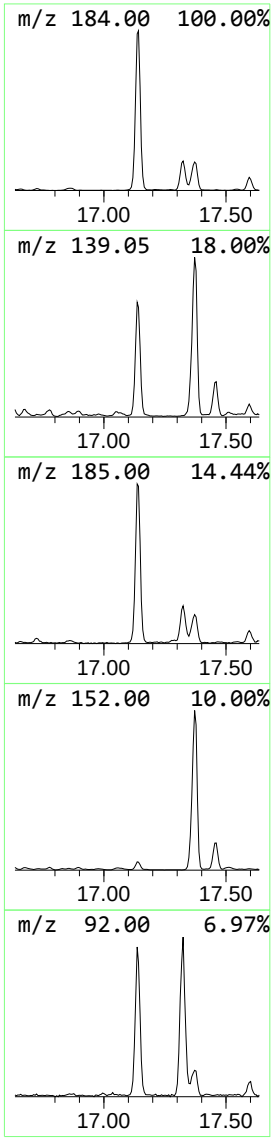
****

Peak Number 5 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.136	14.56 ng	1507960	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Acq On : 24 Mar 2022 02:46
Operator : CG/JU
Sample : N1958-13 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
C-13-12-13

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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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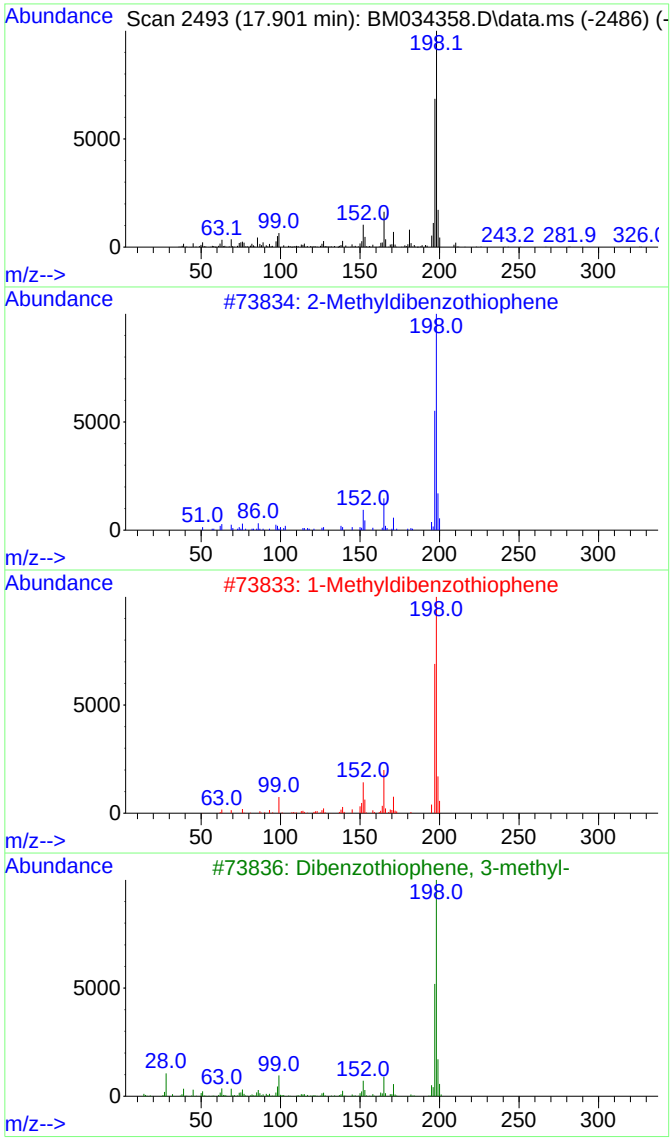
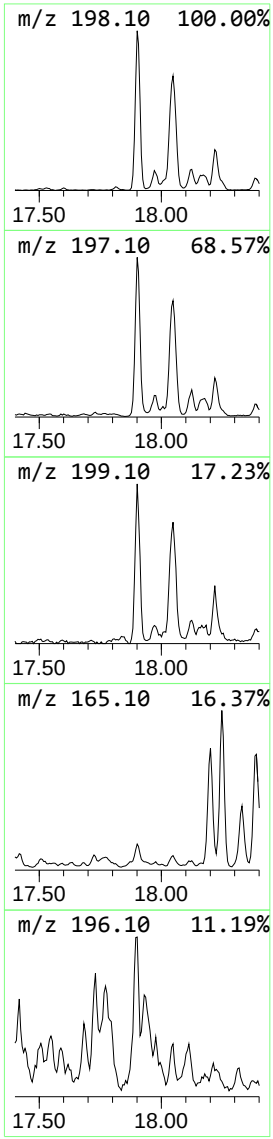
Peak Number 6 2-Methyldibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.901	5.85 ng	605955	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	95
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
5	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	87





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Operator : CG/JU
Sample : N1958-13 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-13-12-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.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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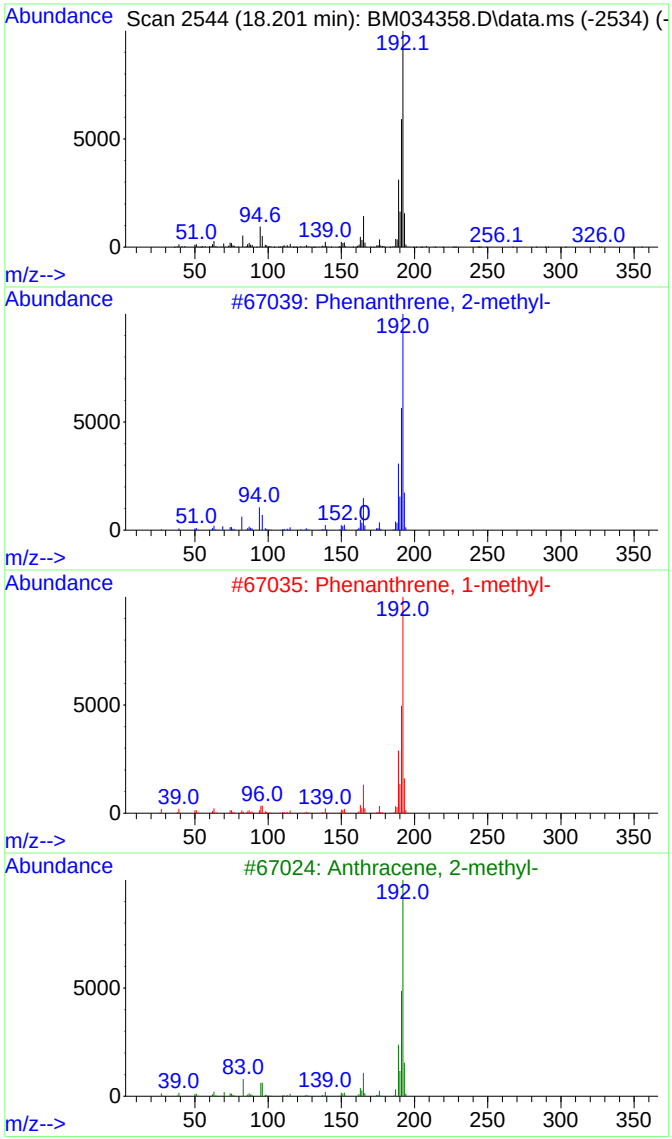
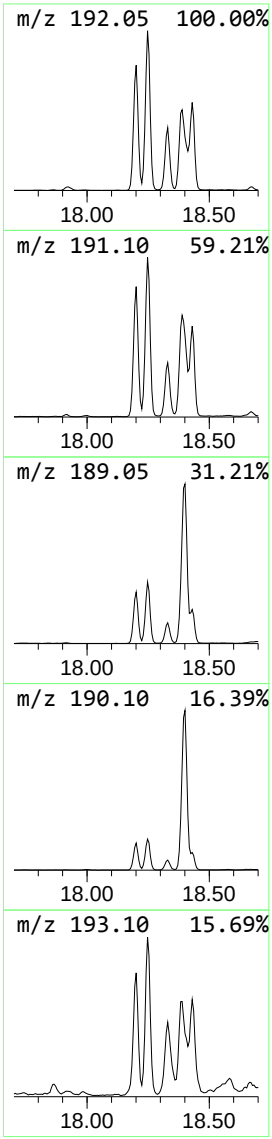
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.201	34.24 ng	3546310	Phenanthrene-d10	17.324

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	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Sample : N1958-13 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-13-12-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.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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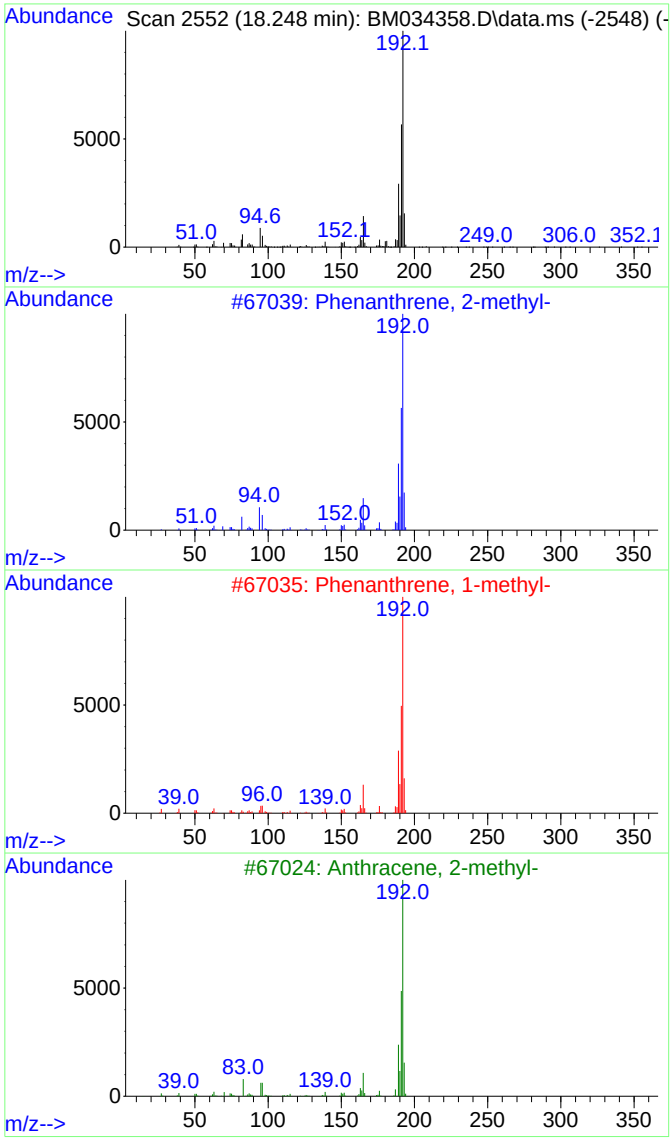
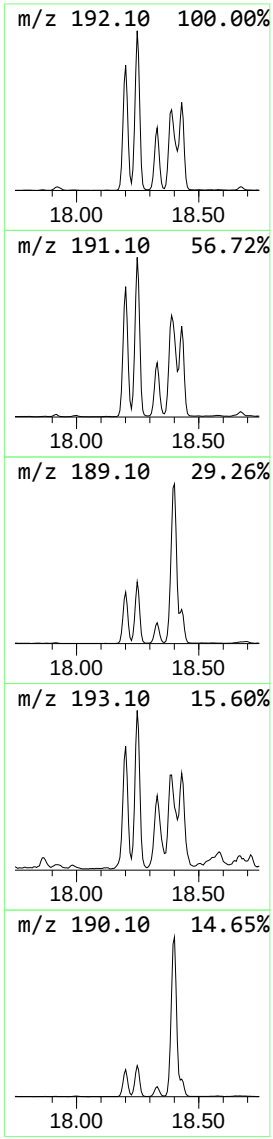
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.248	39.07 ng	4047290	Phenanthrene-d10	17.324

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Acq On : 24 Mar 2022 02:46
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Sample : N1958-13 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-13-12-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.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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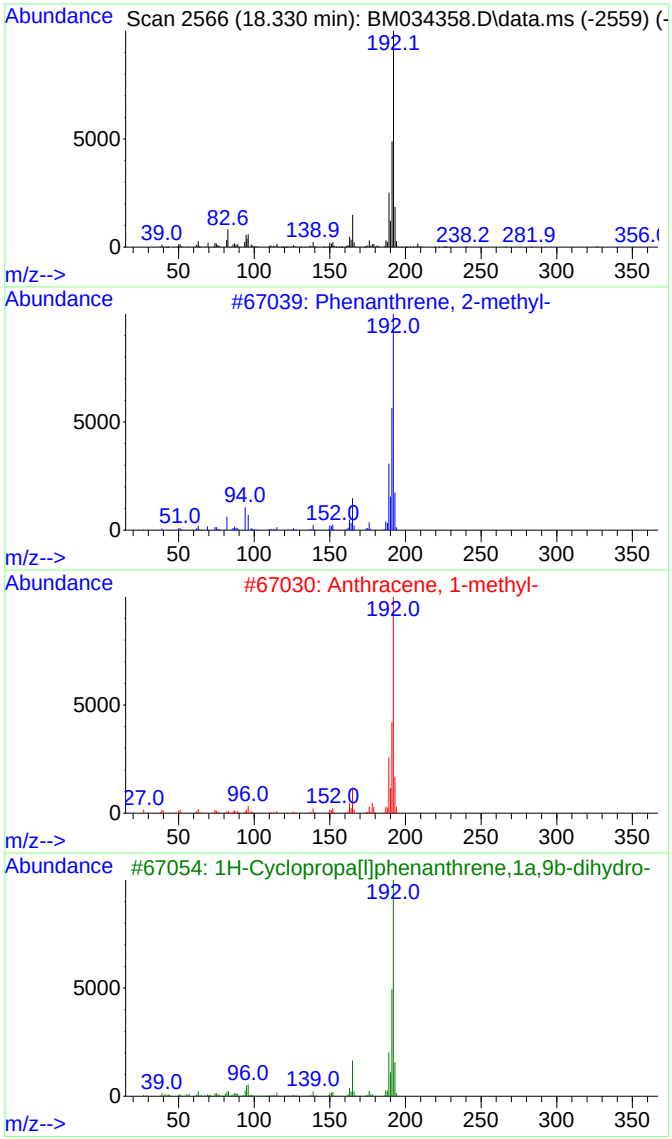
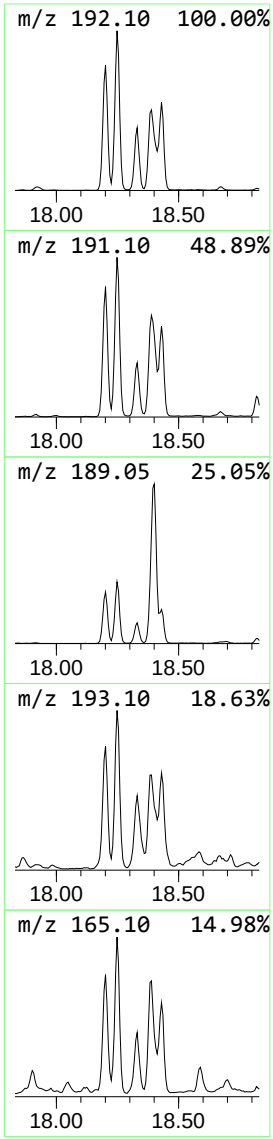
Peak Number 9 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.330	16.19 ng	1677400	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Acq On : 24 Mar 2022 02:46
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Sample : N1958-13 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
C-13-12-13

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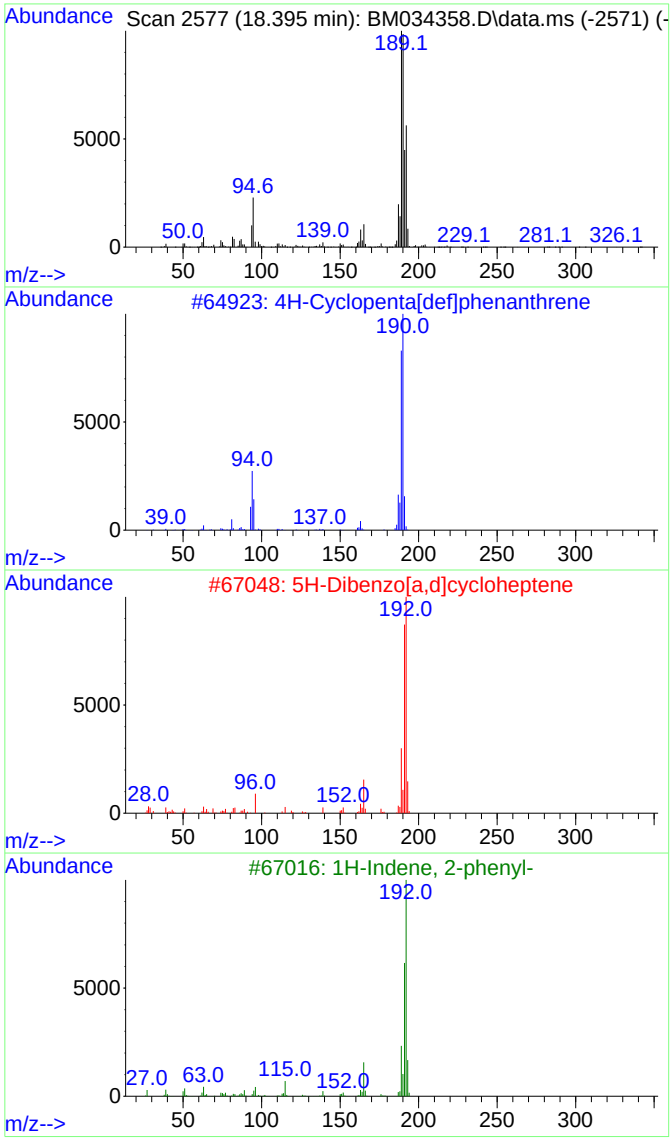
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

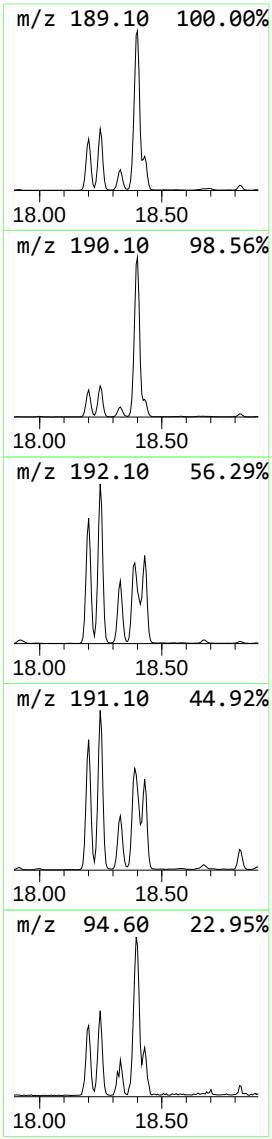
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.395	56.10 ng	5810570	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	20
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	14
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	11





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Sample : N1958-13 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

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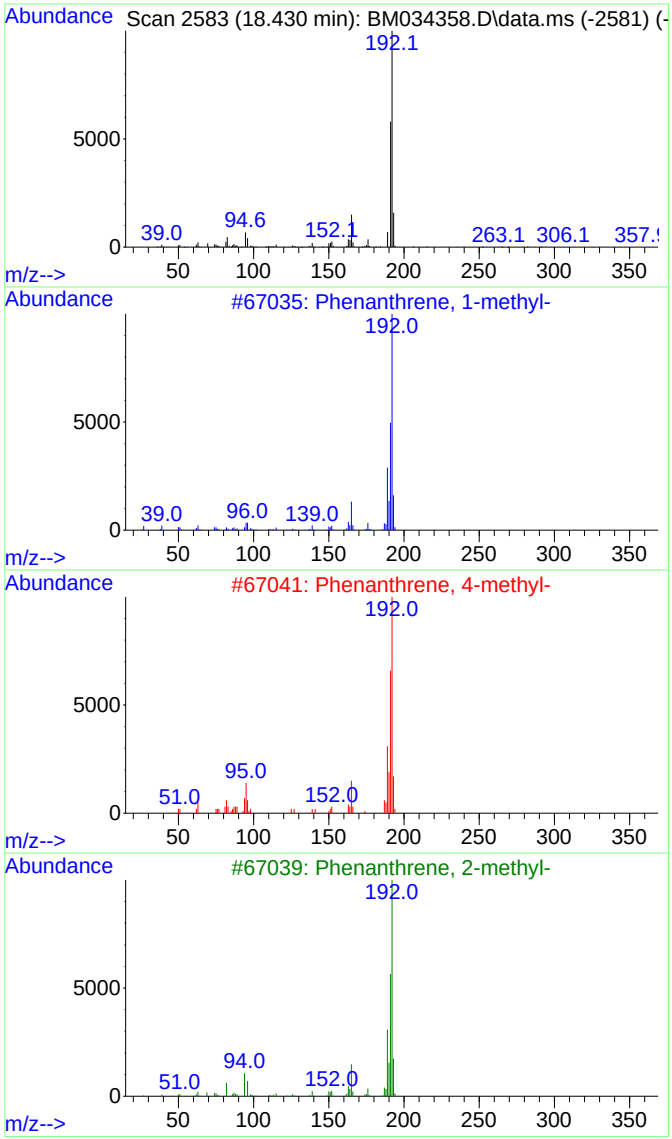
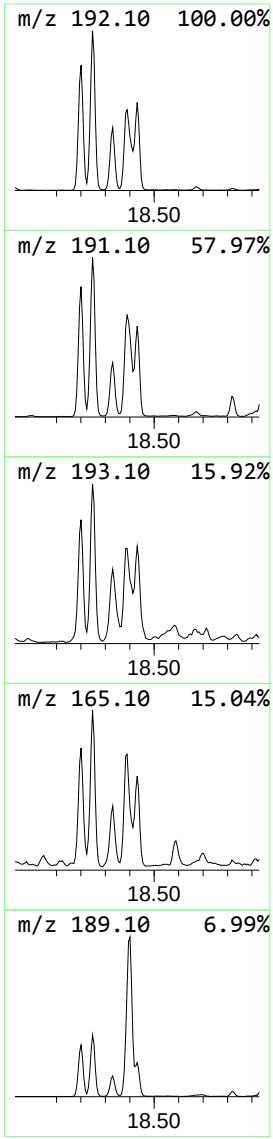
Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.430	17.05 ng	1766060	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Operator : CG/JU
Sample : N1958-13 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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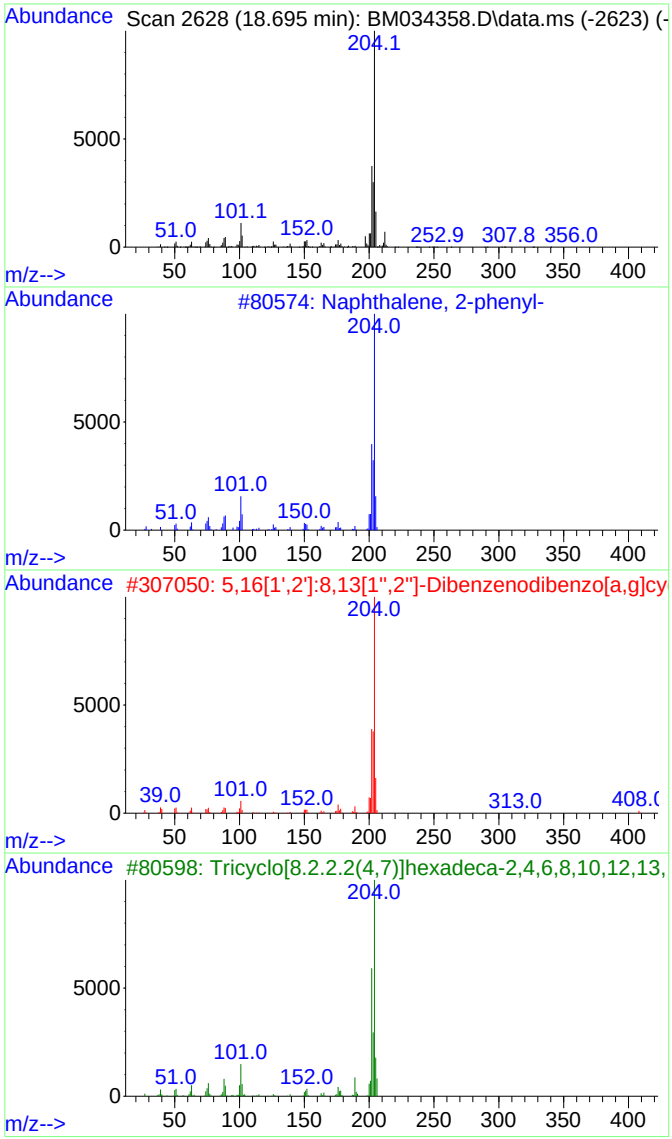
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

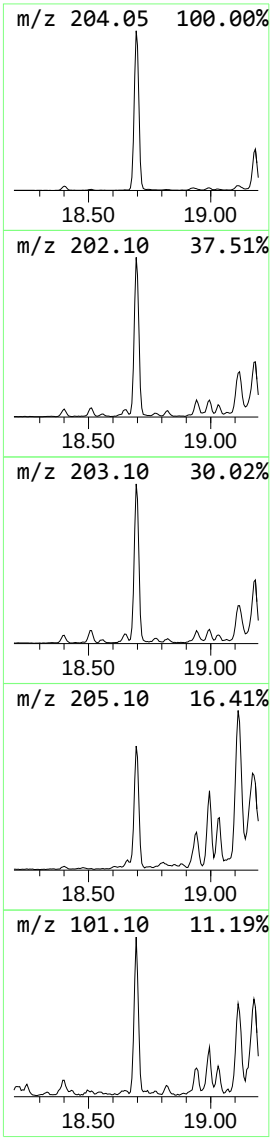
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.695	13.91 ng	1441170	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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Misc :
ALS Vial : 20 Sample Multiplier: 1

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

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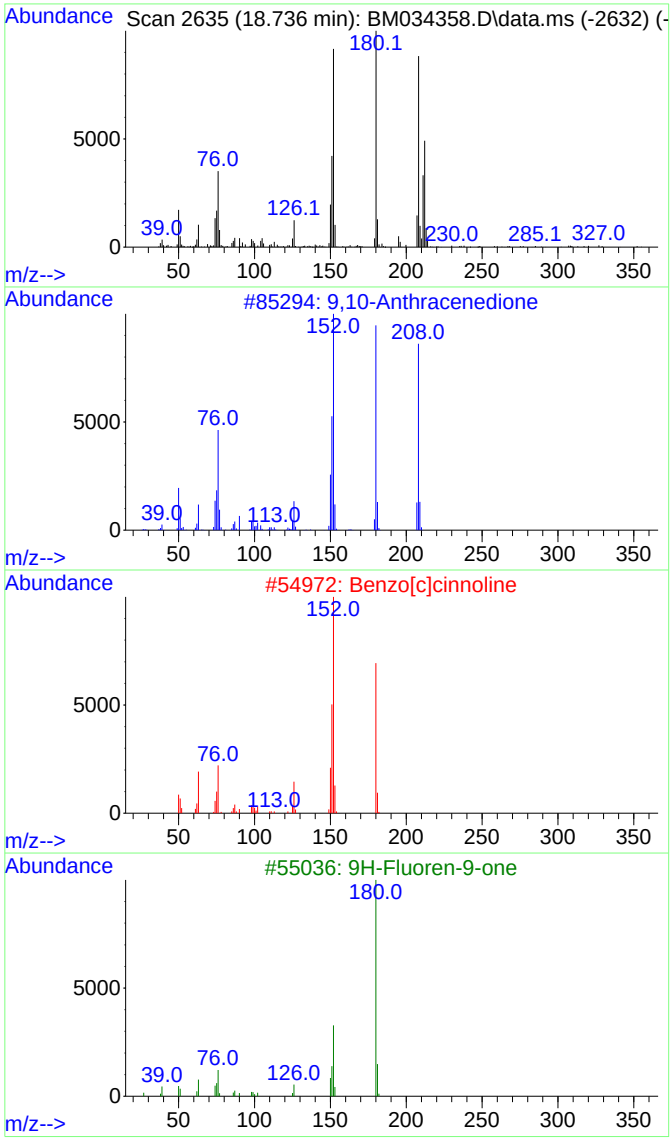
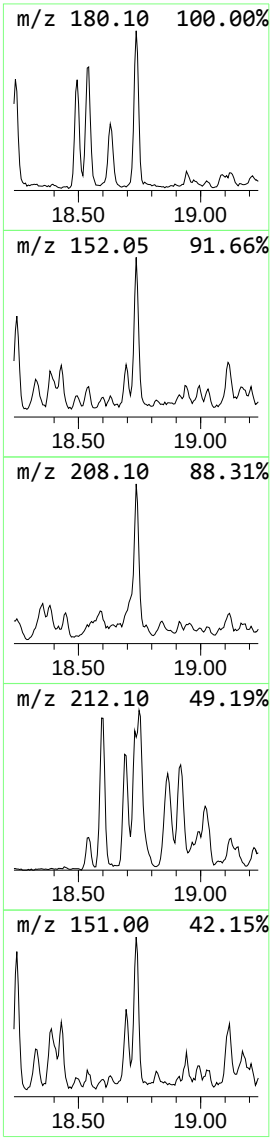
Peak Number 13 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.736	5.75 ng	595826	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	89
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	55





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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

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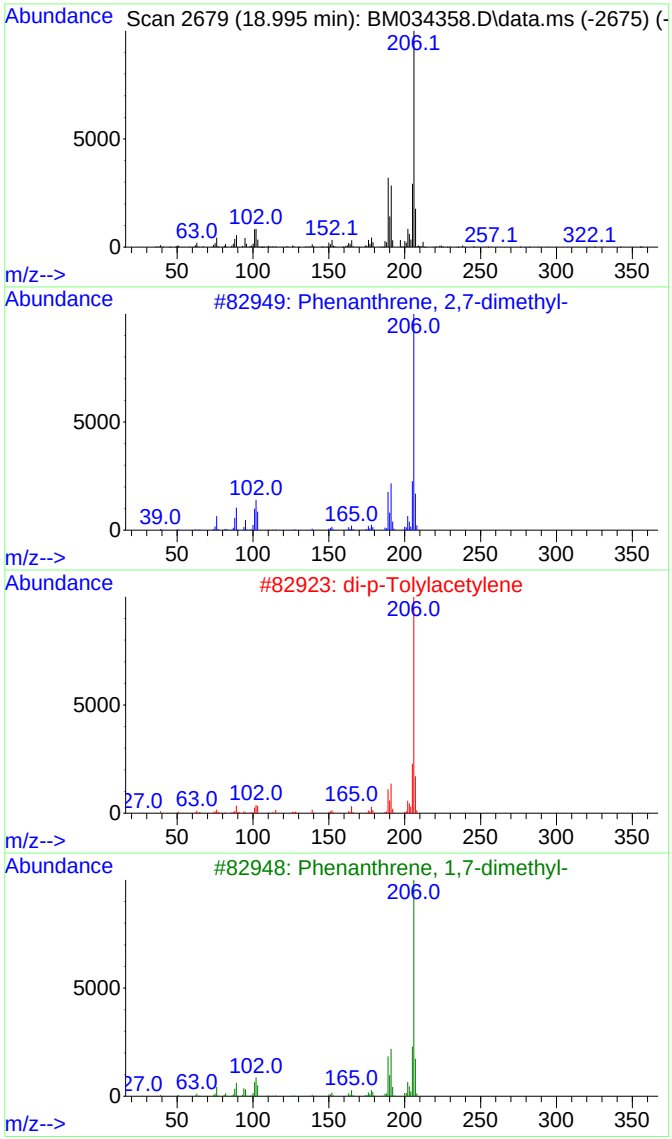
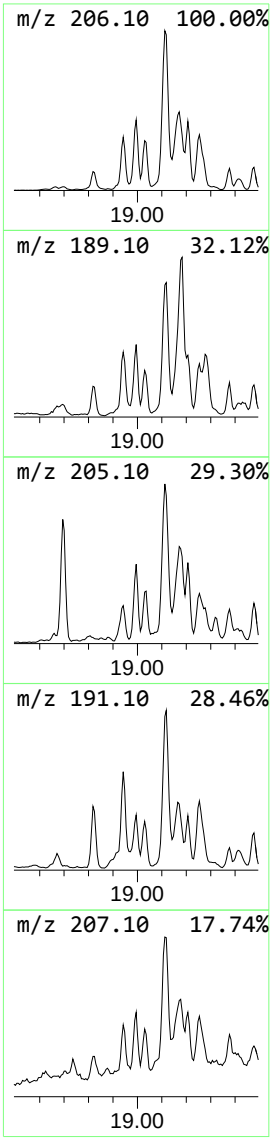
Peak Number 14 Phenanthrene, 2,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.995	6.16 ng	638414	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	72





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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\NIST20.L
TIC Integration Parameters: LSCINT.P

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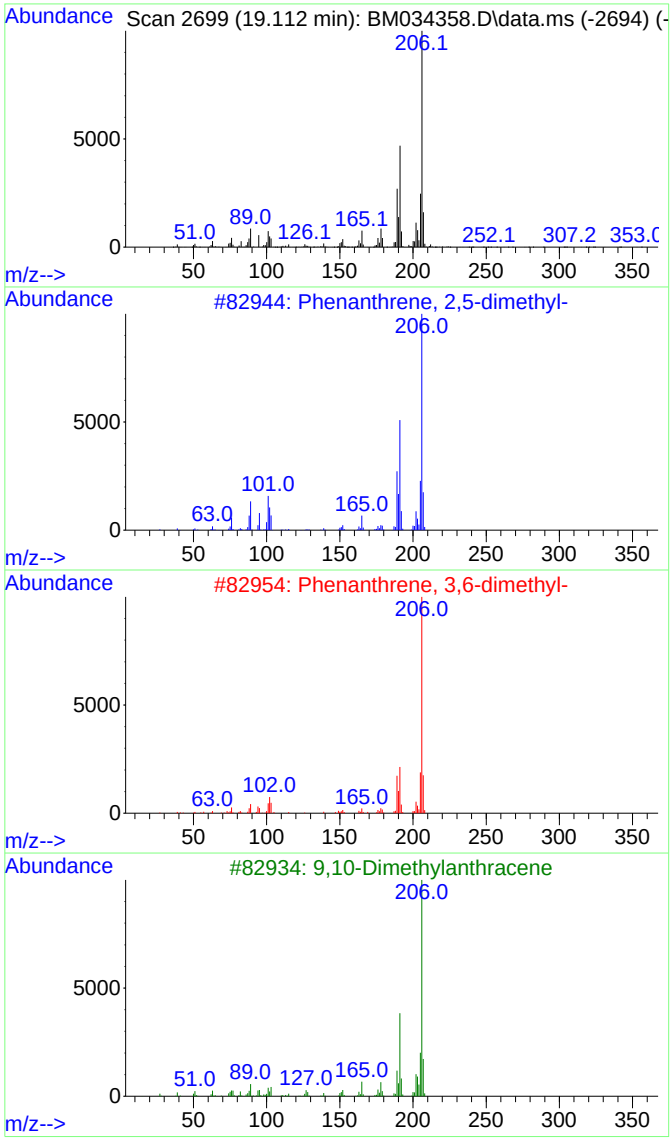
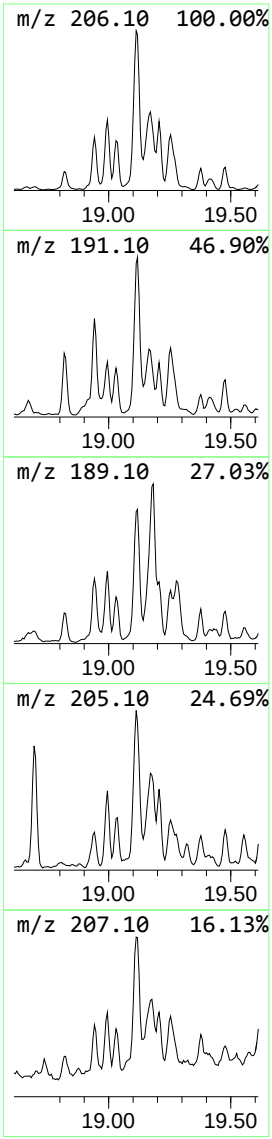
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.112	20.20 ng	2092080	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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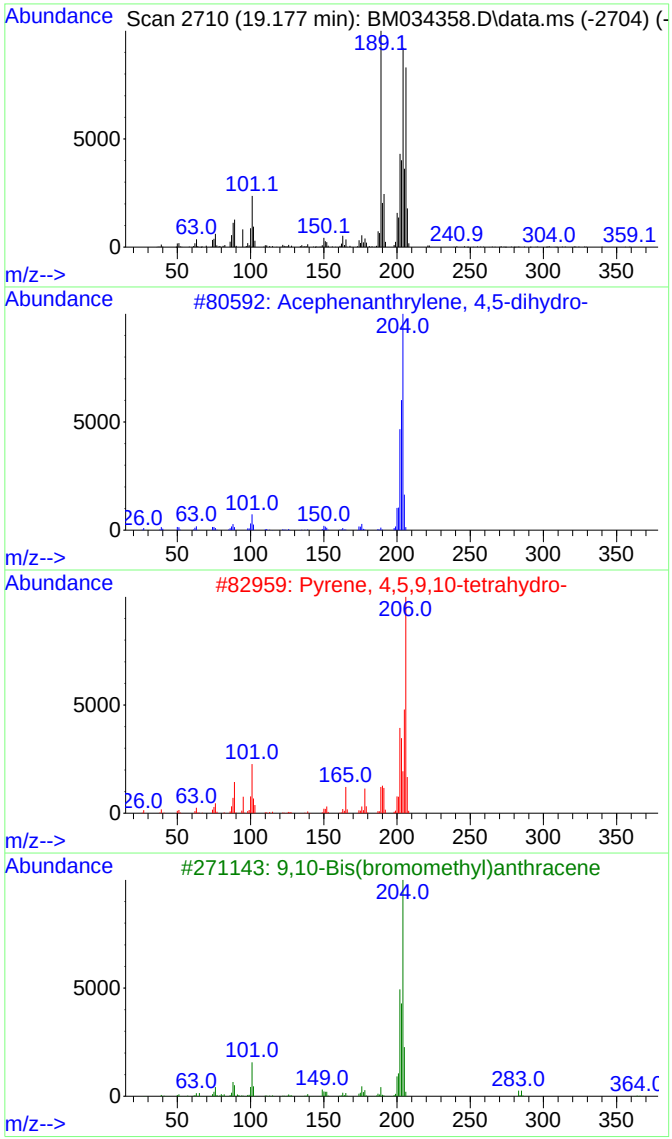
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

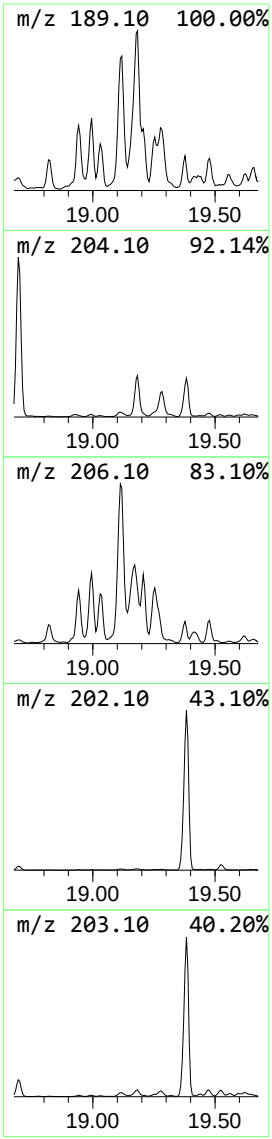
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Acephenanthrylene, 4,5-dihy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.177	14.09 ng	1459970	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	72
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	55
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	30





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Instrument :
BNA_M
ClientSampleId :
C-13-12-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.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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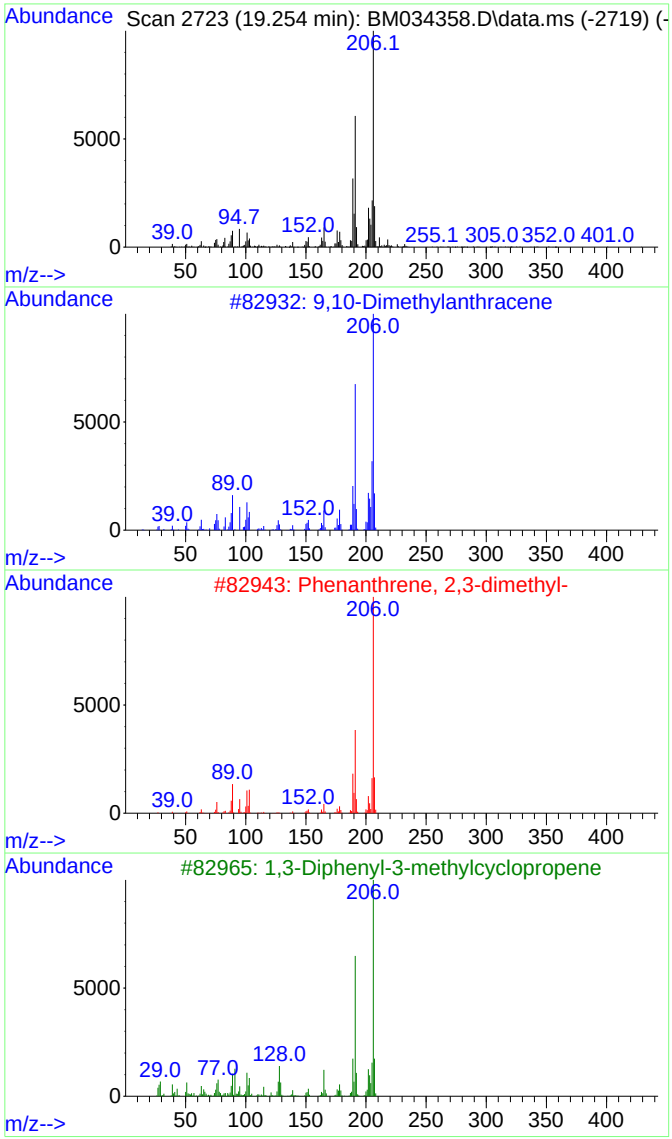
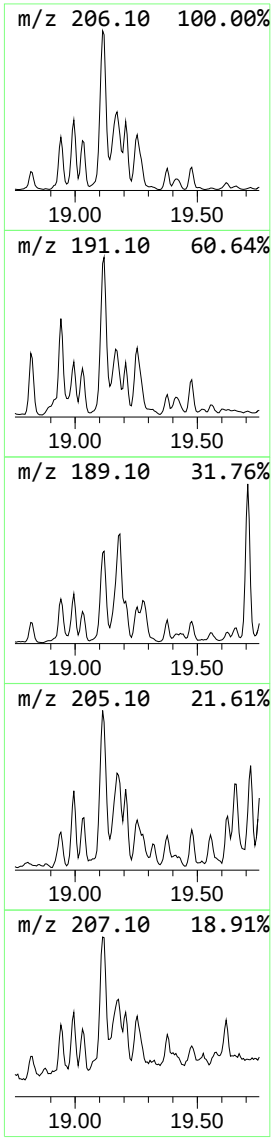
Peak Number 17 9,10-Dimethylanthracene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.253	10.28 ng	1064660	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	91
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87





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Data File : BM034358.D
Acq On : 24 Mar 2022 02:46
Operator : CG/JU
Sample : N1958-13 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-13-12-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.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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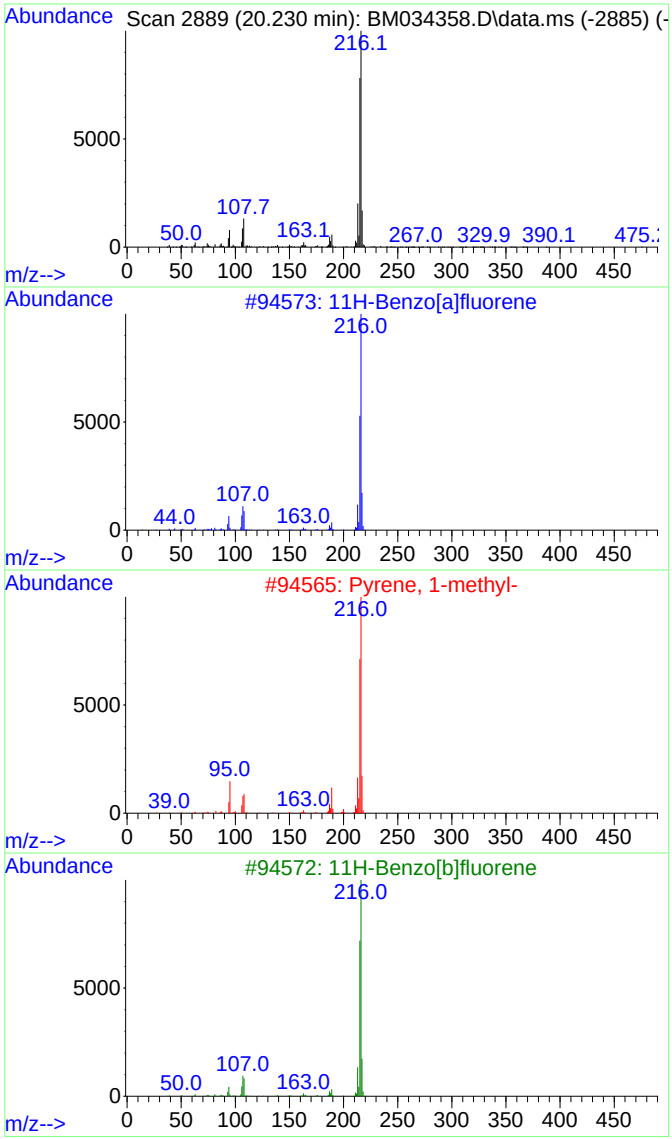
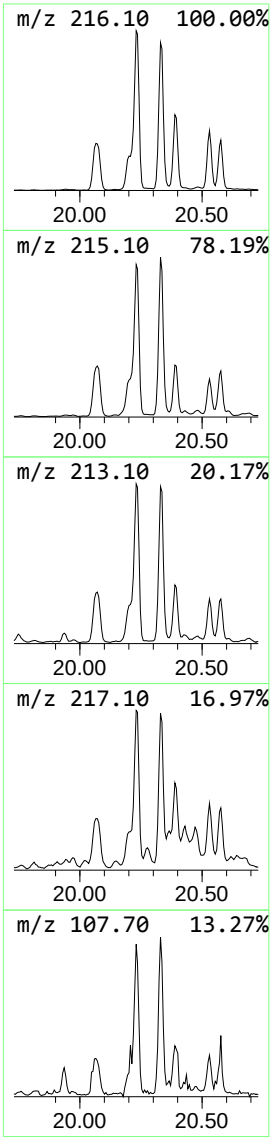
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.230	6.30 ng	3145860	Chrysene-d12	21.495

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	64





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Data File : BM034358.D
Acq On : 24 Mar 2022 02:46
Operator : CG/JU
Sample : N1958-13 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-13-12-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.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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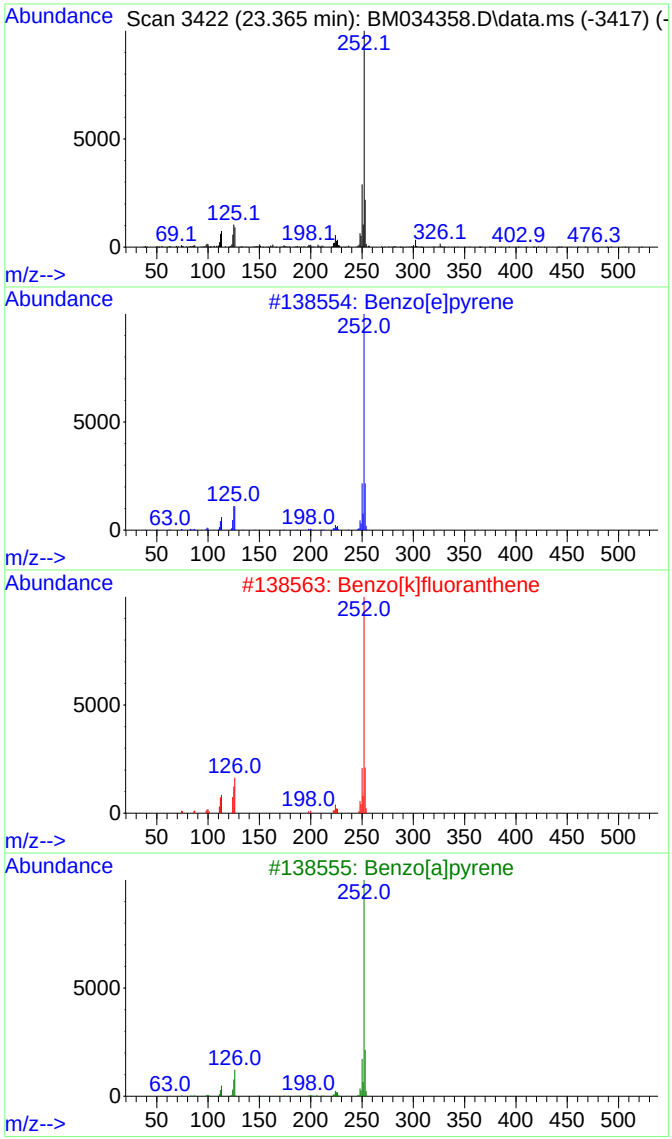
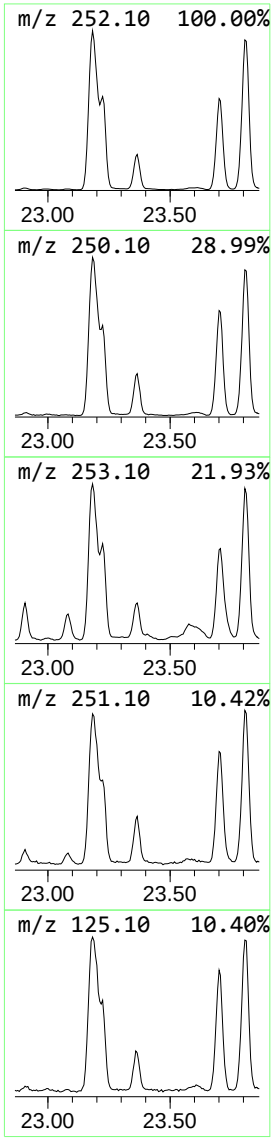
Peak Number 19 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.365	10.93 ng	943025	Perylene-d12	23.912

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034358.D
Acq On : 24 Mar 2022 02:46
Operator : CG/JU
Sample : N1958-13 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-13-12-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.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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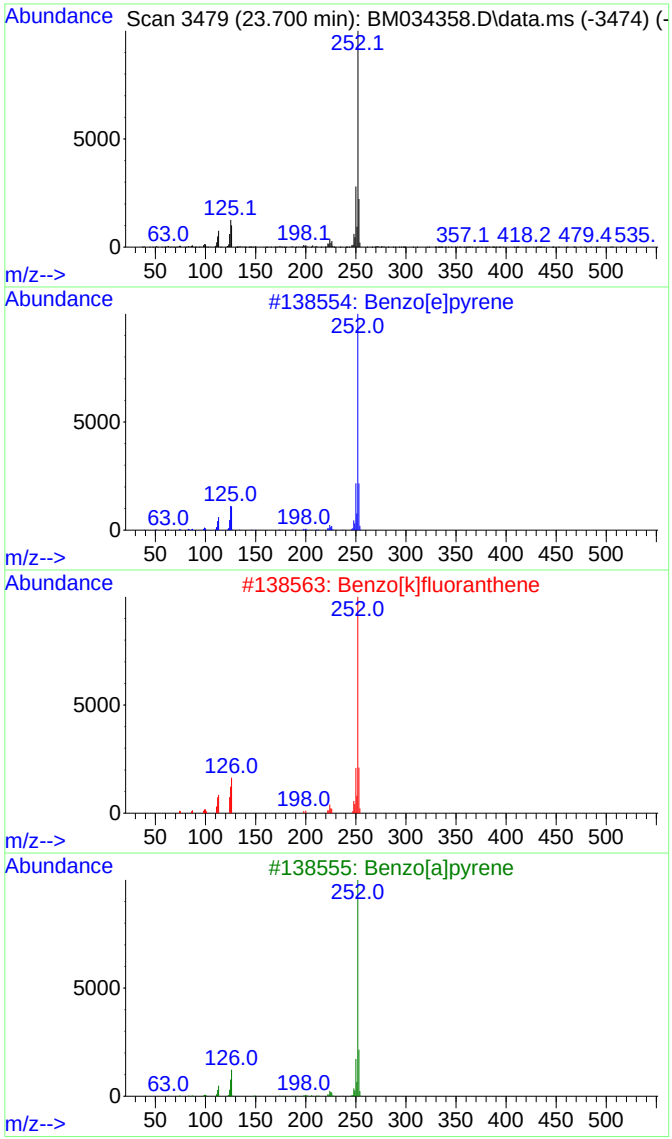
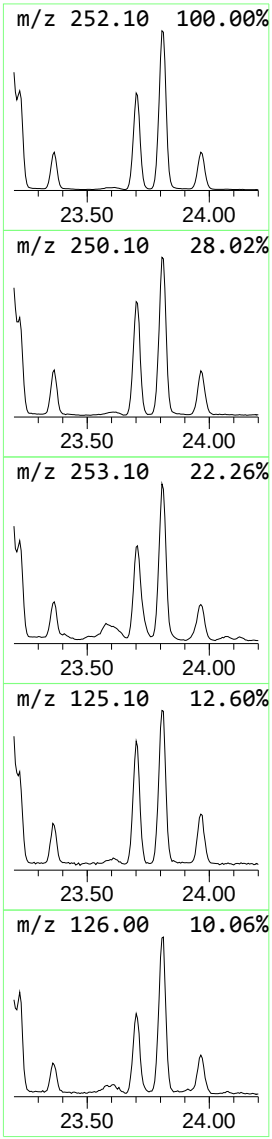
Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.700	34.41 ng	2969050	Perylene-d12	23.912

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034358.D
Acq On : 24 Mar 2022 02:46
Operator : CG/JU
Sample : N1958-13 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-13-12-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.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
Naphthalene, 1,...	13.907	7.7	ng	774268	3	14.577	2006030	20.0
9H-Fluoren-3-ol	15.918	8.7	ng	867815	3	14.577	2006030	20.0
9H-Fluorene, 2-...	16.624	12.7	ng	1315200	4	17.324	2071640	20.0
4-(4-Methylphen...	17.054	6.7	ng	693094	4	17.324	2071640	20.0
Dibenzothiophene	17.136	14.6	ng	1507960	4	17.324	2071640	20.0
2-Methyldibenzo...	17.901	5.8	ng	605955	4	17.324	2071640	20.0
Phenanthrene, 2...	18.201	34.2	ng	3546310	4	17.324	2071640	20.0
Phenanthrene, 1...	18.248	39.1	ng	4047290	4	17.324	2071640	20.0
Anthracene, 1-m...	18.330	16.2	ng	1677400	4	17.324	2071640	20.0
4H-Cyclopenta[d...	18.395	56.1	ng	5810570	4	17.324	2071640	20.0
Phenanthrene, 4...	18.430	17.1	ng	1766060	4	17.324	2071640	20.0
Naphthalene, 2-...	18.695	13.9	ng	1441170	4	17.324	2071640	20.0
9,10-Anthracene...	18.736	5.8	ng	595826	4	17.324	2071640	20.0
Phenanthrene, 2...	18.995	6.2	ng	638414	4	17.324	2071640	20.0
Phenanthrene, 2...	19.112	20.2	ng	2092080	4	17.324	2071640	20.0
Acephenanthryle...	19.177	14.1	ng	1459970	4	17.324	2071640	20.0
9,10-Dimethylan...	19.253	10.3	ng	1064660	4	17.324	2071640	20.0
11H-Benzo[a]flu...	20.230	6.3	ng	3145860	5	21.495	9983670	20.0
Benzo[e]pyrene	23.365	10.9	ng	943025	6	23.912	1725440	20.0
Perylene	23.700	34.4	ng	2969050	6	23.912	1725440	20.0