LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037456.D
Acq On : 10 Nov 2022 17:58
Operator : CG/JU
Sample : N5378-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

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-BM102822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM037456.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.922	307	312	323	rVB	467730	637009	1.61%	0.146%
2	5.387	385	391	408	rBV	3429153	4925774	12.47%	1.128%
3	6.998	658	665	675	rBV	3262353	5259232	13.31%	1.204%
4	7.810	793	803	810	rBV	1099684	1719449	4.35%	0.394%
5	8.981	995	1002	1013	rBV	2086031	3413013	8.64%	0.781%
6	10.610	1271	1279	1284	rBV	1450608	2404237	6.09%	0.550%
7	10.657	1284	1287	1293	rVB	419104	630645	1.60%	0.144%
8	12.269	1550	1561	1569	rBV	495159	821305	2.08%	0.188%
9	12.492	1590	1599	1607	rVB	708230	1135165	2.87%	0.260%
10	13.075	1691	1698	1708	rBV	5497609	7715365	19.53%	1.766%
11	13.475	1762	1766	1779	rVB	184684	426779	1.08%	0.098%
12	13.627	1783	1792	1797	rBV2	263495	683278	1.73%	0.156%
13	13.769	1809	1816	1821	rBV	817422	1405322	3.56%	0.322%
14	13.822	1821	1825	1834	rVB	419480	645263	1.63%	0.148%
15	14.004	1851	1856	1860	rBV	472537	708548	1.79%	0.162%
16	14.169	1880	1884	1892	rVB	585874	865380	2.19%	0.198%
17	14.451	1921	1932	1937	rBV	2235135	3533782	8.95%	0.809%
18	14.510	1937	1942	1950	rVB	1637464	2478470	6.27%	0.567%
19	14.657	1961	1967	1975	rBV2	220222	566990	1.44%	0.130%
20	14.757	1975	1984	1989	rBV2	418366	782801	1.98%	0.179%
21	14.845	1992	1999	2006	rVV	888295	1465843	3.71%	0.336%
22	14.922	2006	2012	2017	rVB	381439	550154	1.39%	0.126%
23	15.063	2031	2036	2041	rBV	400667	687640	1.74%	0.157%
24	15.116	2041	2045	2049	rVB	322846	409369	1.04%	0.094%
25	15.233	2055	2065	2069	rBV4	387020	1009396	2.56%	0.231%
26	15.398	2086	2093	2099	rBV4	165494	428731	1.09%	0.098%
27	15.498	2104	2110	2114	rBV	1695814	2455170	6.21%	0.562%
28	15.586	2120	2125	2127	rBV	383522	523279	1.32%	0.120%
29	15.616	2127	2130	2134	rVV	599701	903687	2.29%	0.207%
30	15.657	2134	2137	2141	rVB3	554493	739977	1.87%	0.169%
31	15.704	2141	2145	2148	rBV	366718	496343	1.26%	0.114%
32	15.786	2155	2159	2167	rVB3	513788	1056881	2.68%	0.242%
33	15.939	2180	2185	2192	rVB	5329463	7362500	18.64%	1.685%
34	16.168	2220	2224	2230	rVB4	371354	610735	1.55%	0.140%
35	16.480	2271	2277	2278	rBV2	606167	901688	2.28%	0.206%
36	16.545	2284	2288	2294	rVB2	691254	971438	2.46%	0.222%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037456.D
Acq On : 10 Nov 2022 17:58
Operator : CG/JU
Sample : N5378-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

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-BM102822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.598	2294	2297	2302	rBV3	233471	454667	1.15%	0.104%
38	16.645	2302	2305	2310	rVB2	506325	712128	1.80%	0.163%
39	16.698	2310	2314	2316	rBV	322062	451730	1.14%	0.103%
40	16.763	2321	2325	2329	rVB3	473174	653817	1.66%	0.150%
41	16.851	2336	2340	2345	rVB	872266	1235900	3.13%	0.283%
42	16.939	2348	2355	2362	rVV6	509834	1398241	3.54%	0.320%
43	17.010	2363	2367	2375	rVB	1297795	1989153	5.04%	0.455%
44	17.192	2393	2398	2401	rBV	2472623	3675902	9.30%	0.841%
45	17.245	2401	2407	2412	rVV	21640973	31262403	79.13%	7.156%
46	17.327	2416	2421	2426	rVV	3594515	4761988	12.05%	1.090%
47	17.386	2426	2431	2436	rVV2	507811	918676	2.33%	0.210%
48	17.604	2461	2468	2478	rBV2	1704233	3377166	8.55%	0.773%
49	17.710	2483	2486	2490	rBV	442085	622602	1.58%	0.143%
50	17.774	2493	2497	2505	rVB2	1048548	1748875	4.43%	0.400%
51	17.915	2517	2521	2526	rVB	478499	765234	1.94%	0.175%
52	17.992	2532	2534	2538	rVB	406242	426422	1.08%	0.098%
53	18.068	2542	2547	2552	rVV	5135308	8608877	21.79%	1.971%
54	18.115	2552	2555	2561	rVB	6220800	8740674	22.13%	2.001%
55	18.198	2565	2569	2574	rVV	1619701	2239950	5.67%	0.513%
56	18.262	2574	2580	2584	rVV2	6024187	10787261	27.31%	2.469%
57	18.304	2584	2587	2593	rVB	3744706	4827447	12.22%	1.105%
58	18.380	2596	2600	2603	rBV4	448231	624283	1.58%	0.143%
59	18.462	2611	2614	2618	rVB2	450045	576349	1.46%	0.132%
60	18.574	2628	2633	2636	rBV	2184189	3112549	7.88%	0.713%
61	18.621	2636	2641	2649	rVB	3324589	4625367	11.71%	1.059%
62	18.692	2650	2653	2658	rBV	619929	876416	2.22%	0.201%
63	18.786	2666	2669	2670	rBV2	464467	508267	1.29%	0.116%
64	18.815	2671	2674	2679	rVV	1480663	2198985	5.57%	0.503%
65	18.868	2679	2683	2686	rVV	1320052	1733528	4.39%	0.397%
66	18.904	2686	2689	2693	rVB	939361	1211394	3.07%	0.277%
67	18.992	2698	2704	2708	rBV	3761852	6229520	15.77%	1.426%
68	19.051	2708	2714	2717	rVV3	1765780	3906171	9.89%	0.894%
69	19.080	2717	2719	2723	rVB	1158745	1187117	3.00%	0.272%
70	19.133	2723	2728	2736	rBV3	1864414	4528000	11.46%	1.037%
71	19.262	2744	2750	2755	rVB	23768634	33374780	84.48%	7.640%
72	19.351	2762	2765	2766	rBV	942204	928697	2.35%	0.213%
73	19.462	2780	2784	2786	rBV2	950287	1184075	3.00%	0.271%
74	19.498	2787	2790	2793	rVB	998011	1107167	2.80%	0.253%
75	19.627	2801	2812	2818	rBV	21886584	39505535	100.00%	9.043%
76	19.686	2818	2822	2829	rVB2	1910629	2941575	7.45%	0.673%

LSC Area Percent Report

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Data File : BM037456.D
Acq On : 10 Nov 2022 17:58
Operator : CG/JU
Sample : N5378-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

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-BM102822.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.821	2841	2845	2848	rVB	8216686	9533937	24.13%	2.182%
78	19.939	2860	2865	2873	rBV2	2113839	5299274	13.41%	1.213%
79	20.080	2884	2889	2890	rBV3	1785792	2633857	6.67%	0.603%
80	20.109	2891	2894	2899	rVB	4372642	5873757	14.87%	1.345%
81	20.209	2908	2911	2915	rBV	2639594	3053911	7.73%	0.699%
82	20.268	2916	2921	2925	rVV2	3258433	4654017	11.78%	1.065%
83	20.409	2941	2945	2949	rBV	2724865	3674210	9.30%	0.841%
84	20.456	2949	2953	2956	rVV	2351585	3052665	7.73%	0.699%
85	20.862	3019	3022	3028	rVB	2637146	3579948	9.06%	0.819%
86	21.027	3046	3050	3053	rVB2	2365850	3094931	7.83%	0.708%
87	21.062	3053	3056	3059	rBV	2187722	2209449	5.59%	0.506%
88	21.156	3070	3072	3078	rVB	2552060	3141417	7.95%	0.719%
89	21.368	3103	3108	3113	rBV3	14339199	25260031	63.94%	5.782%
90	21.421	3113	3117	3126	rVB	14354770	19816153	50.16%	4.536%
91	21.533	3134	3136	3143	rVB	1505641	1737938	4.40%	0.398%
92	21.939	3202	3205	3210	rVB	3099059	4165975	10.55%	0.954%
93	21.998	3212	3215	3221	rVB	2003838	2737438	6.93%	0.627%
94	22.145	3237	3240	3243	rBV	1335975	1773274	4.49%	0.406%
95	23.015	3382	3388	3393	rBV	8315581	20269417	51.31%	4.640%
96	23.521	3468	3474	3484	rVB	5784211	11164942	28.26%	2.556%
97	23.621	3485	3491	3498	rVB	7834986	15506181	39.25%	3.550%
98	23.721	3504	3508	3512	rBV2	1739648	2610529	6.61%	0.598%
99	26.138	3912	3919	3930	rVB2	3837016	11223177	28.41%	2.569%
100	26.891	4040	4047	4067	rVB	2845965	9431226	23.87%	2.159%

Sum of corrected areas: 436847180

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
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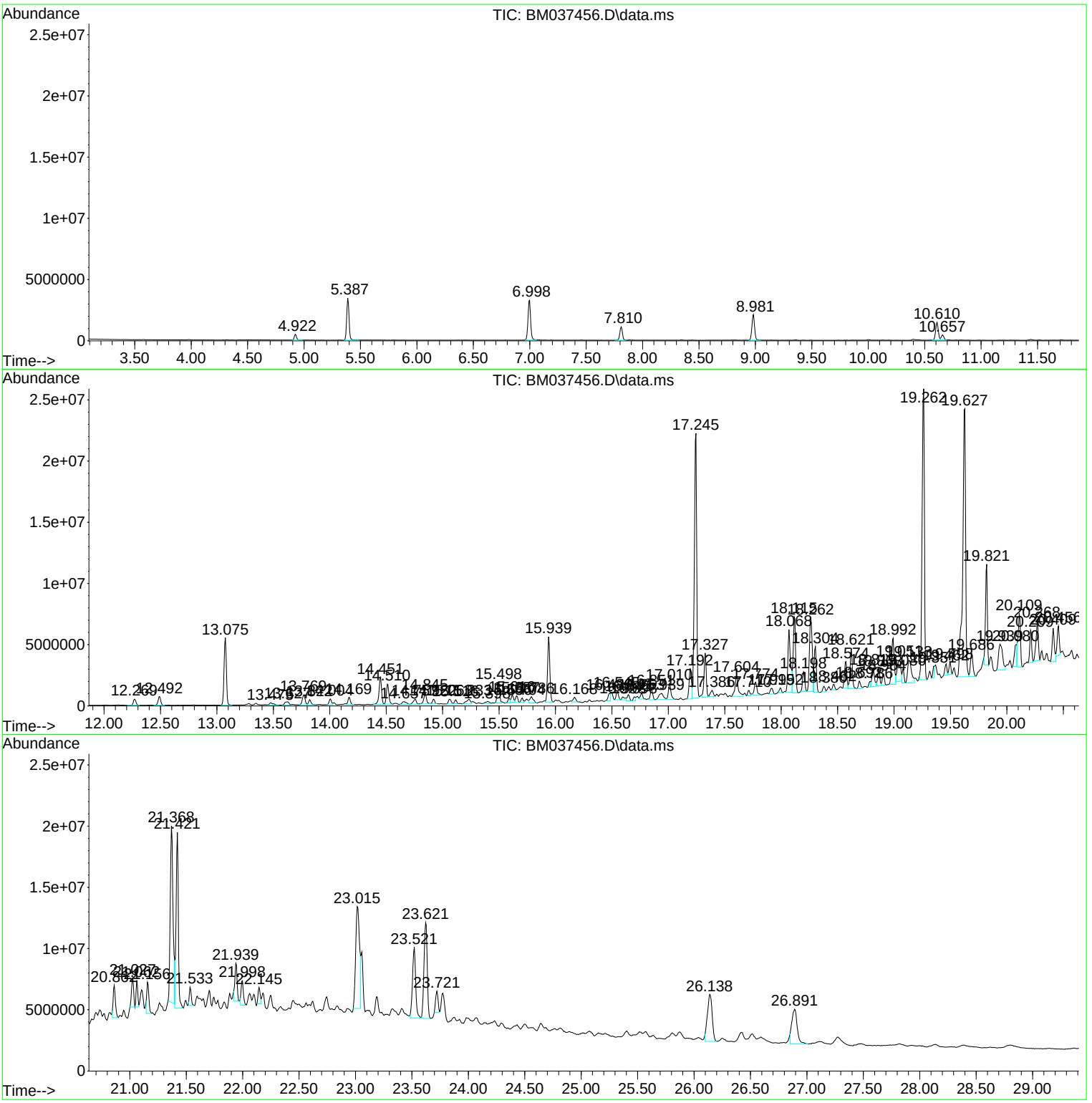
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.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\BM111022\
Data File : BM037456.D
Acq On : 10 Nov 2022 17:58
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Misc :
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Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

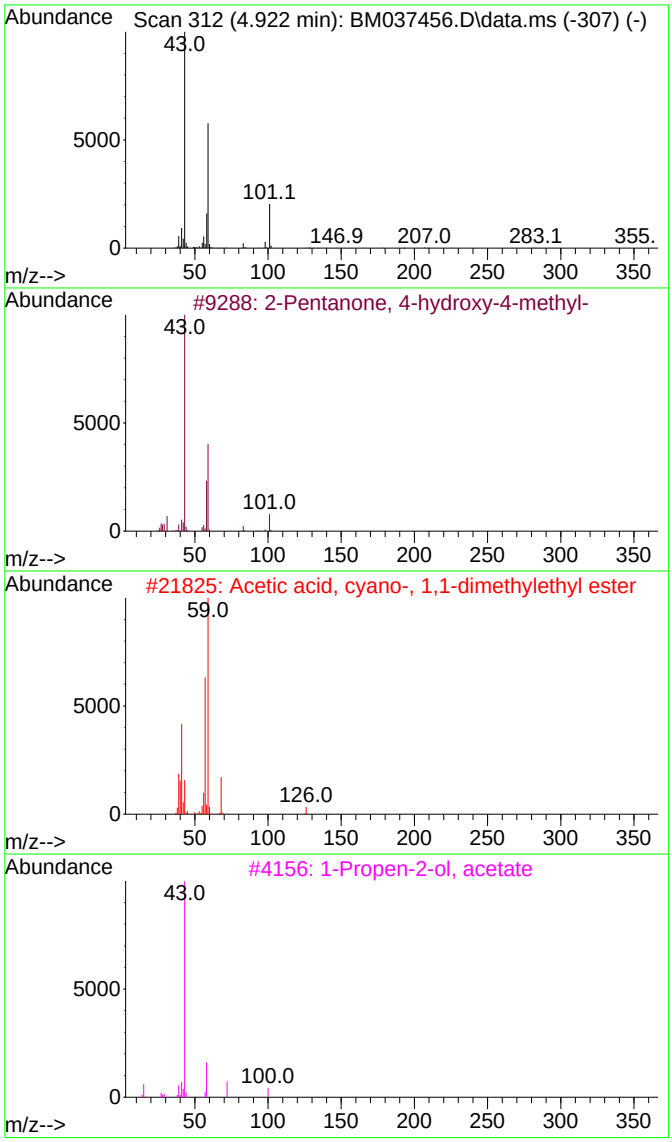
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

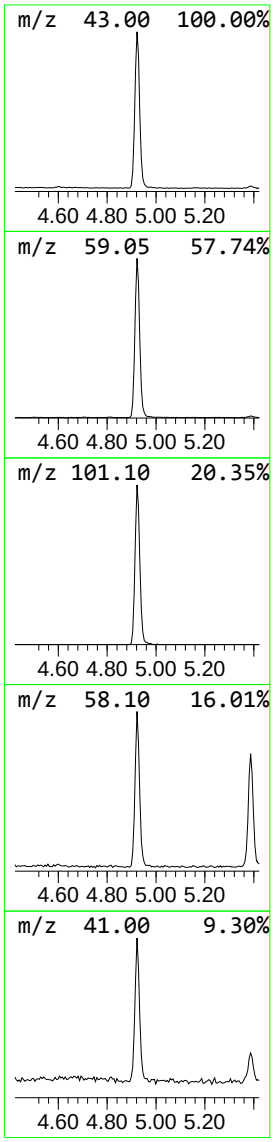
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.922	7.41 ng	637009	1,4-Dichlorobenzene-d4	7.810

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037456.D
Acq On : 10 Nov 2022 17:58
Operator : CG/JU
Sample : N5378-06
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BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

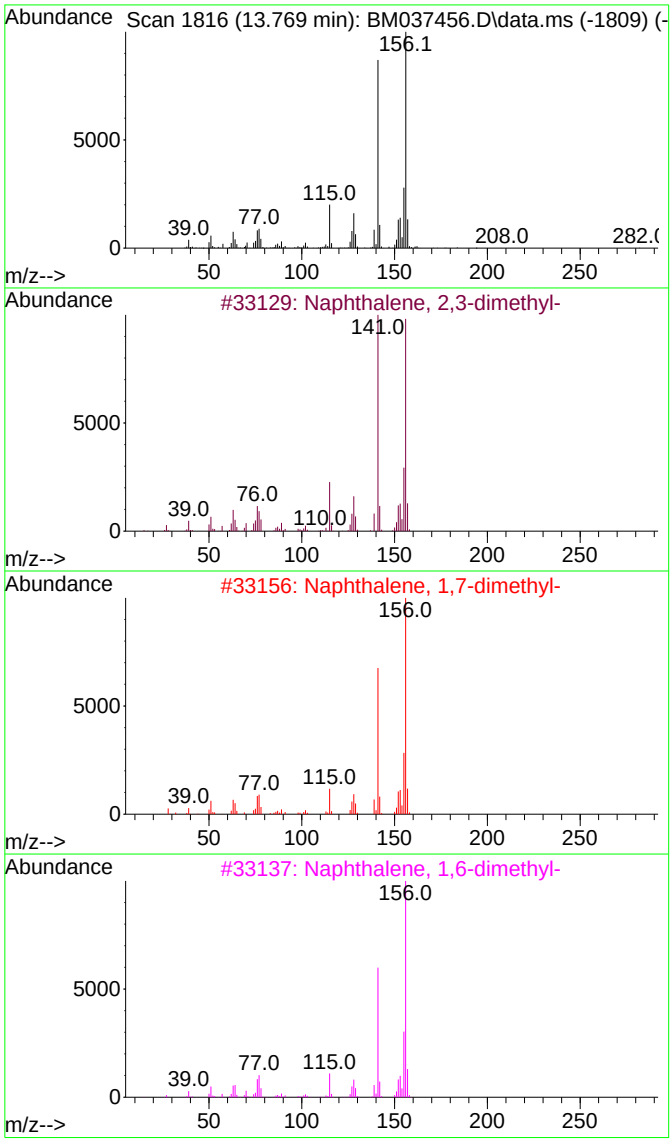
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

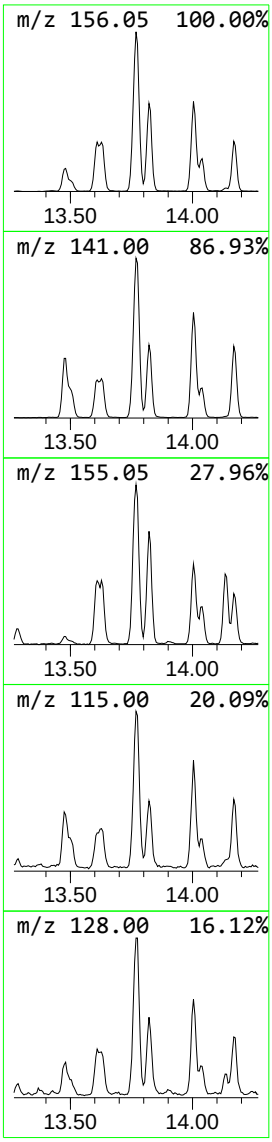
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.769	7.95 ng	1405320	Acenaphthene-d10	14.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037456.D
Acq On : 10 Nov 2022 17:58
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Sample : N5378-06
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Instrument :
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SB-15-20221028-5.5-6.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

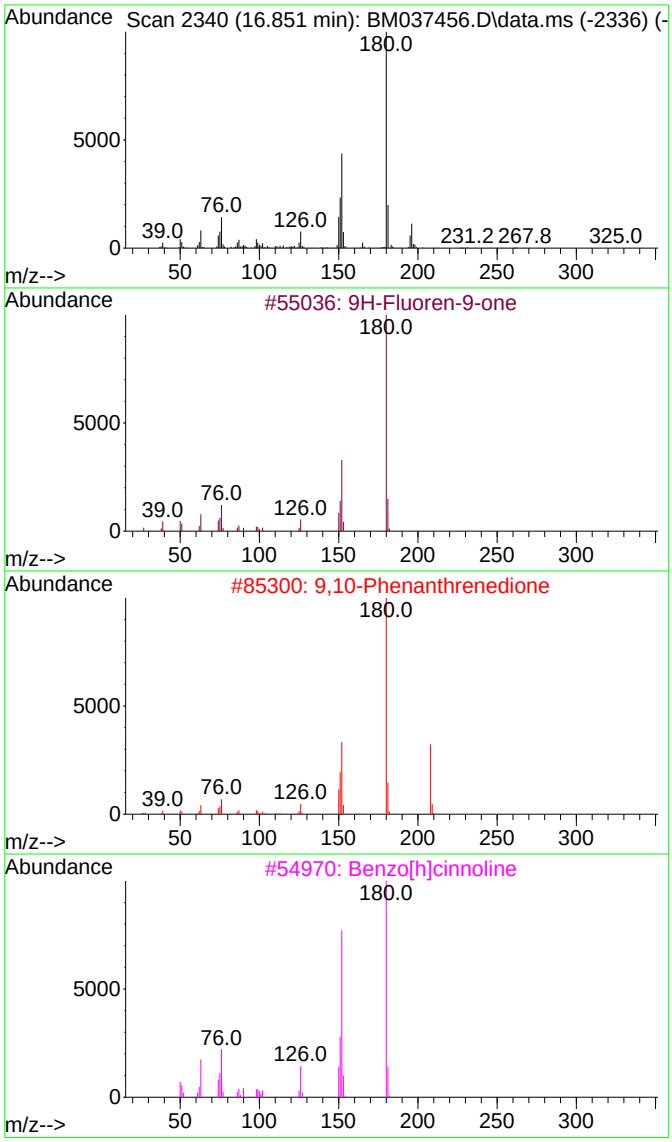
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

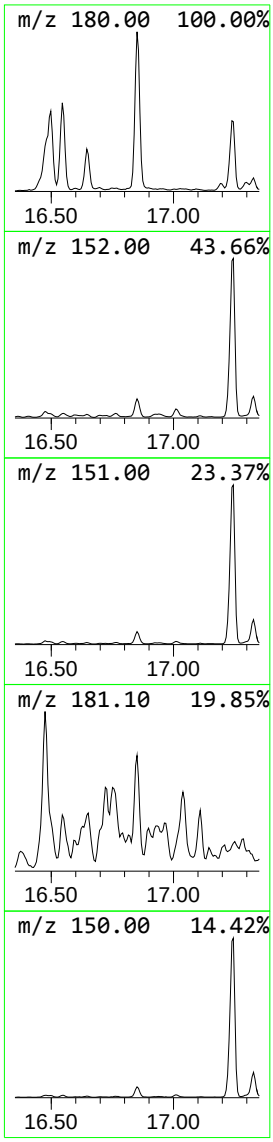
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.851	6.72 ng	1235900	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	64
4	Diphenic anhydride	224	C14H8O3	006050-13-1	58
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037456.D
Acq On : 10 Nov 2022 17:58
Operator : CG/JU
Sample : N5378-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

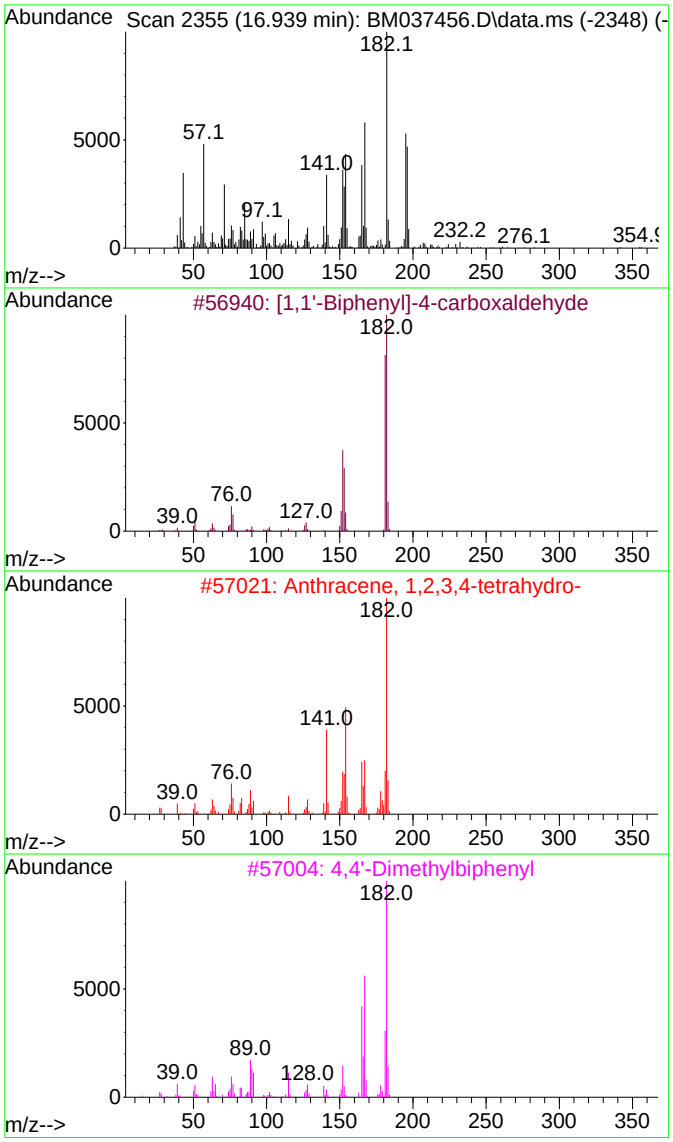
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

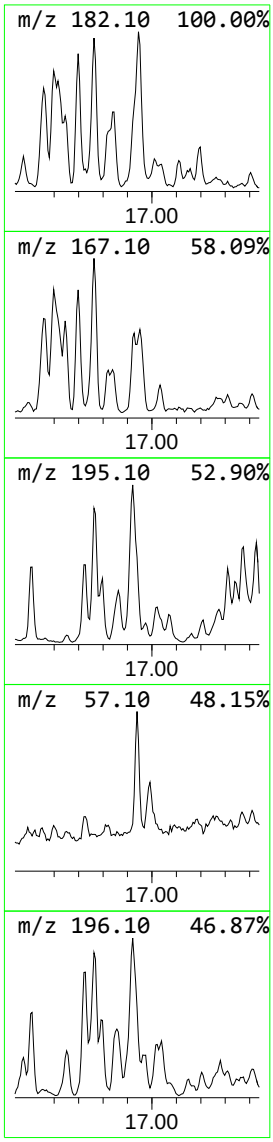
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.939	7.61 ng	1398240	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	70
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	50
3	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	45
4	Dehydrochamazulene	182	C14H14	321732-25-6	42
5	Benzene, 1,2,3-trimethoxy-5-methyl-	182	C10H14O3	006443-69-2	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037456.D
Acq On : 10 Nov 2022 17:58
Operator : CG/JU
Sample : N5378-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

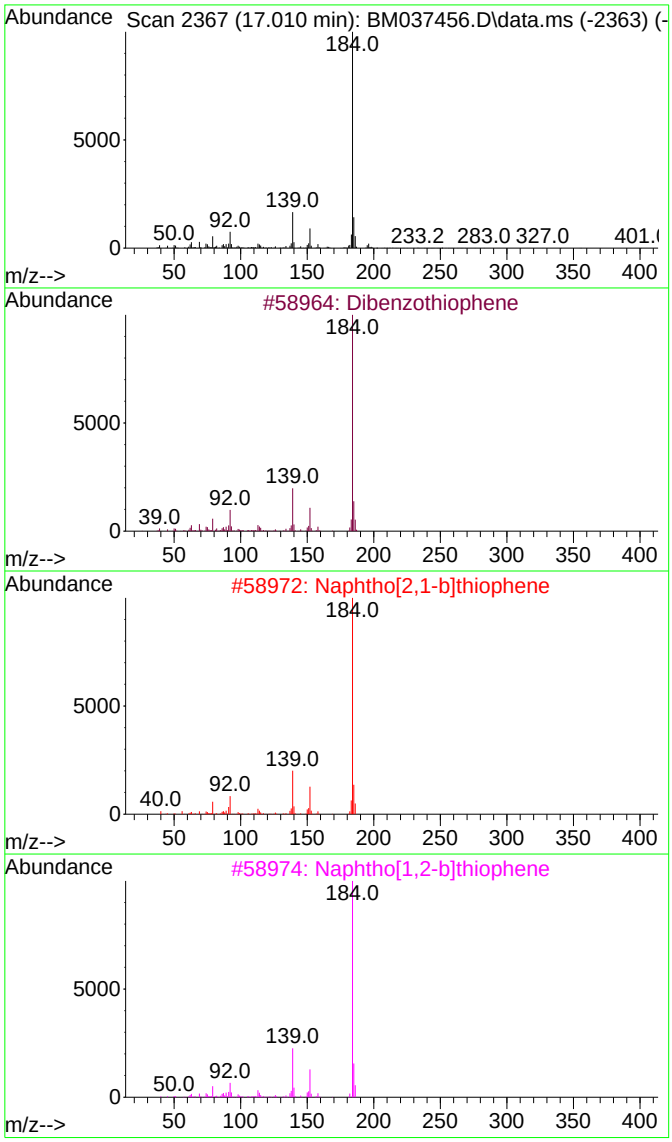
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

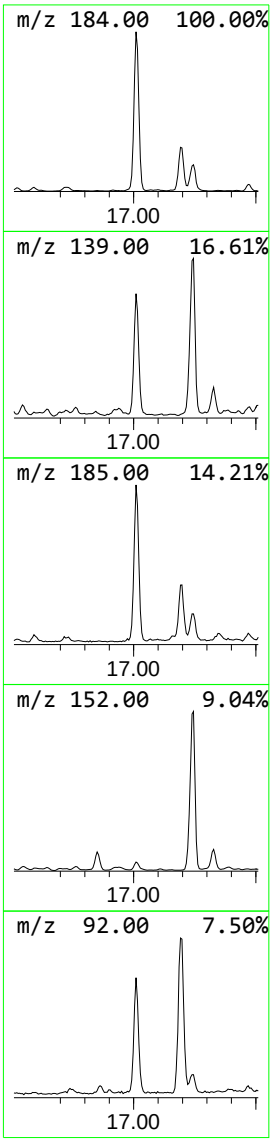
****

Peak Number 5 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.010	10.82 ng	1989150	Phenanthrene-d10	17.192

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	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





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Acq On : 10 Nov 2022 17:58
Operator : CG/JU
Sample : N5378-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-15-20221028-5.5-6.5

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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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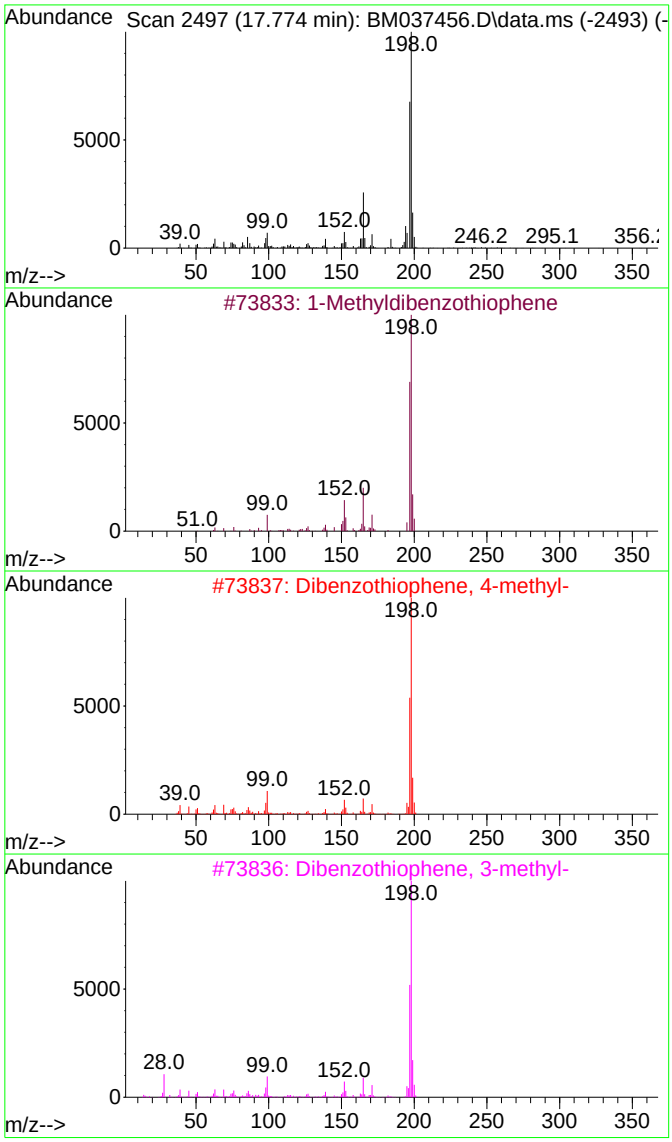
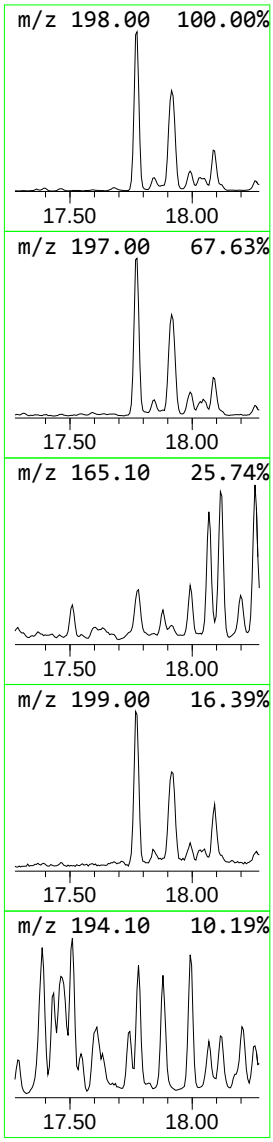
Peak Number 6 1-Methyldibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.774	9.52 ng	1748880	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
4	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	80
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64





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Sample : N5378-06
Misc :
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ClientSampleId :
SB-15-20221028-5.5-6.5

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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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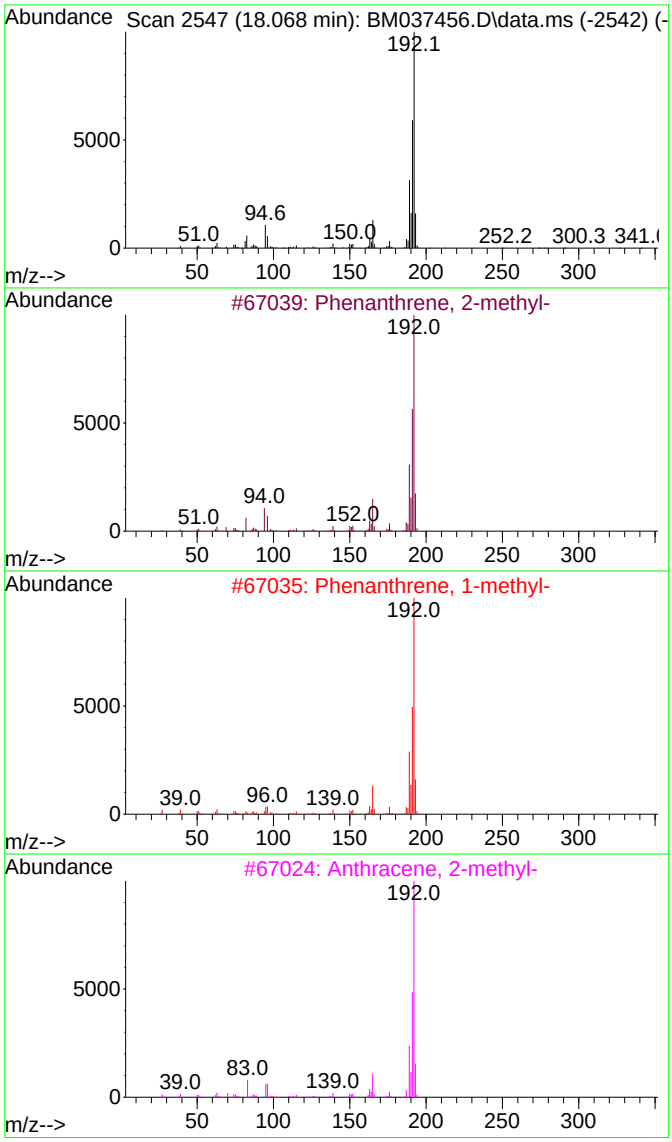
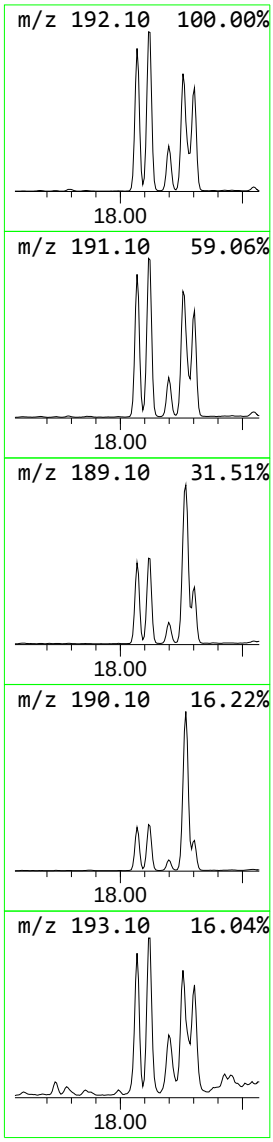
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.068	46.84 ng	8608880	Phenanthrene-d10	17.192

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





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Sample : N5378-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-15-20221028-5.5-6.5

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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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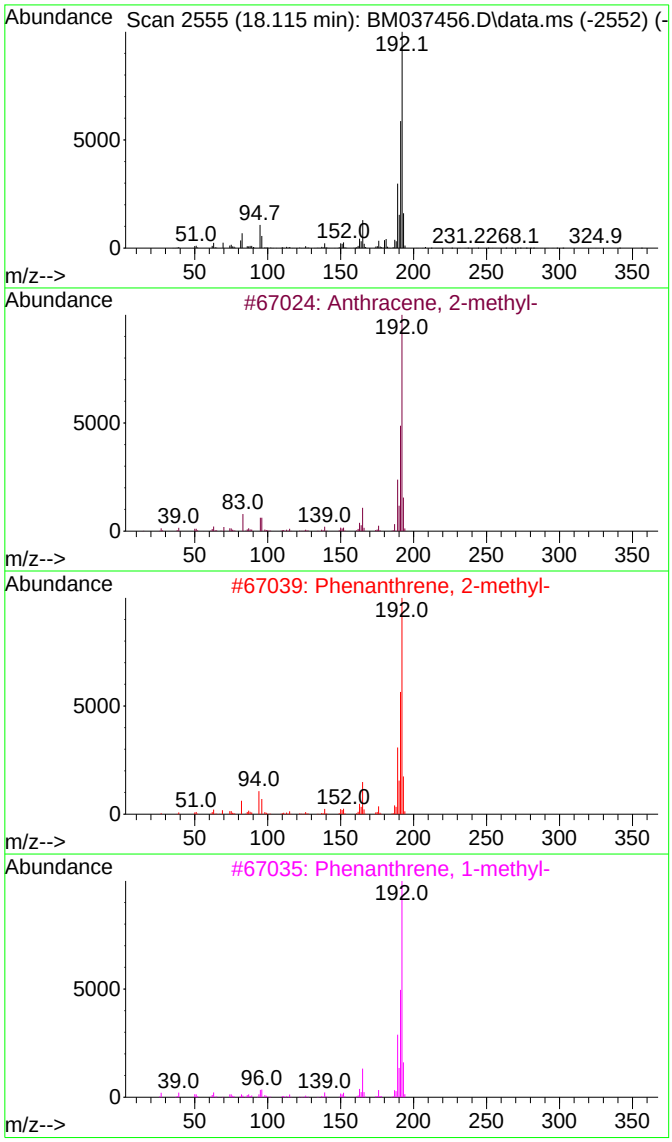
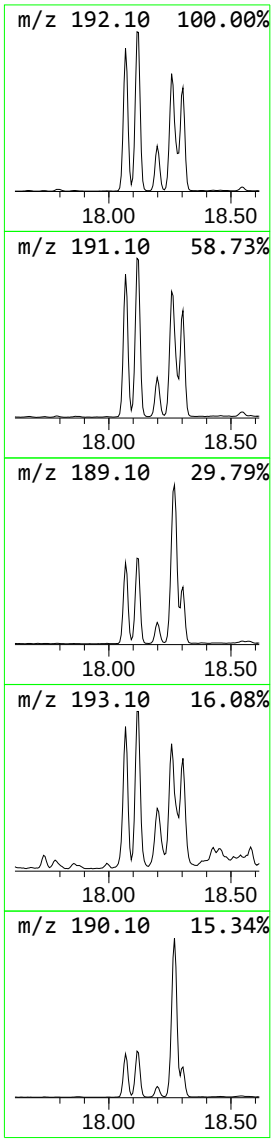
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.115	47.56 ng	8740670	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Sample : N5378-06
Misc :
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Instrument :
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ClientSampleId :
SB-15-20221028-5.5-6.5

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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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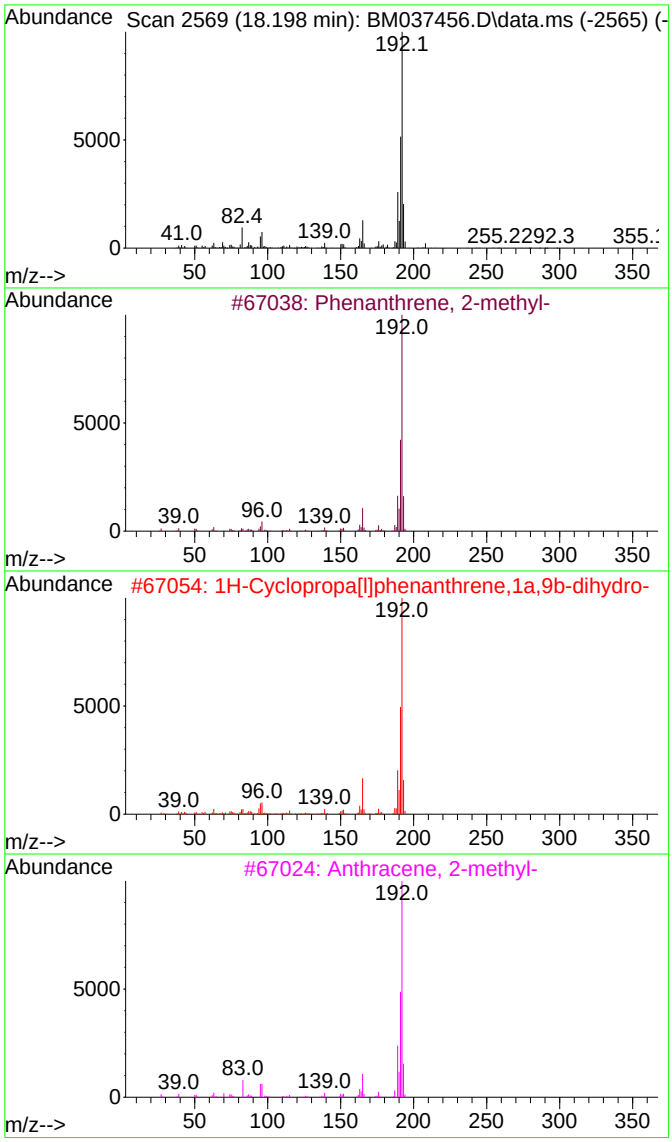
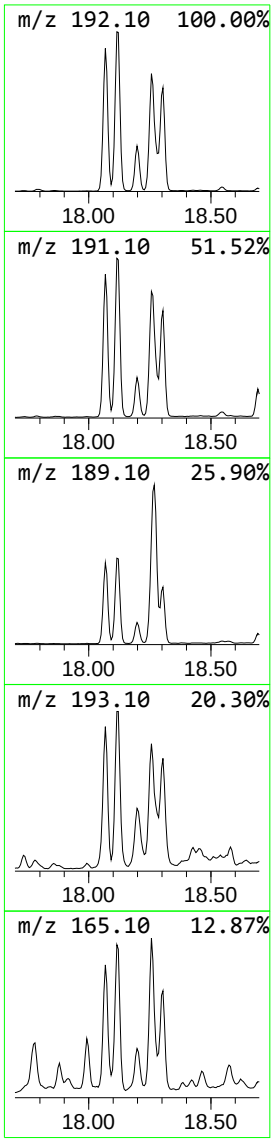
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.198	12.19 ng	2239950	Phenanthrene-d10	17.192

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





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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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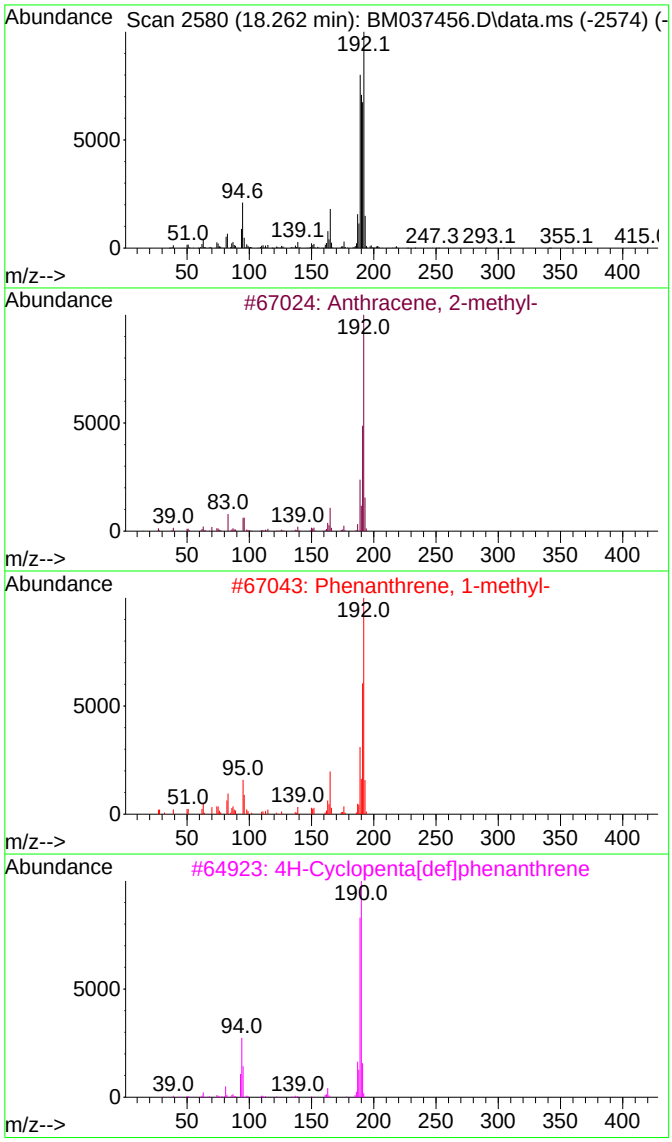
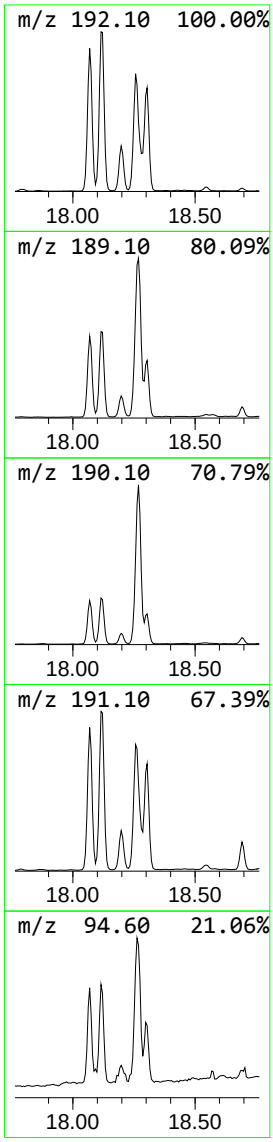
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.262	58.69 ng	10787300	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	50
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46





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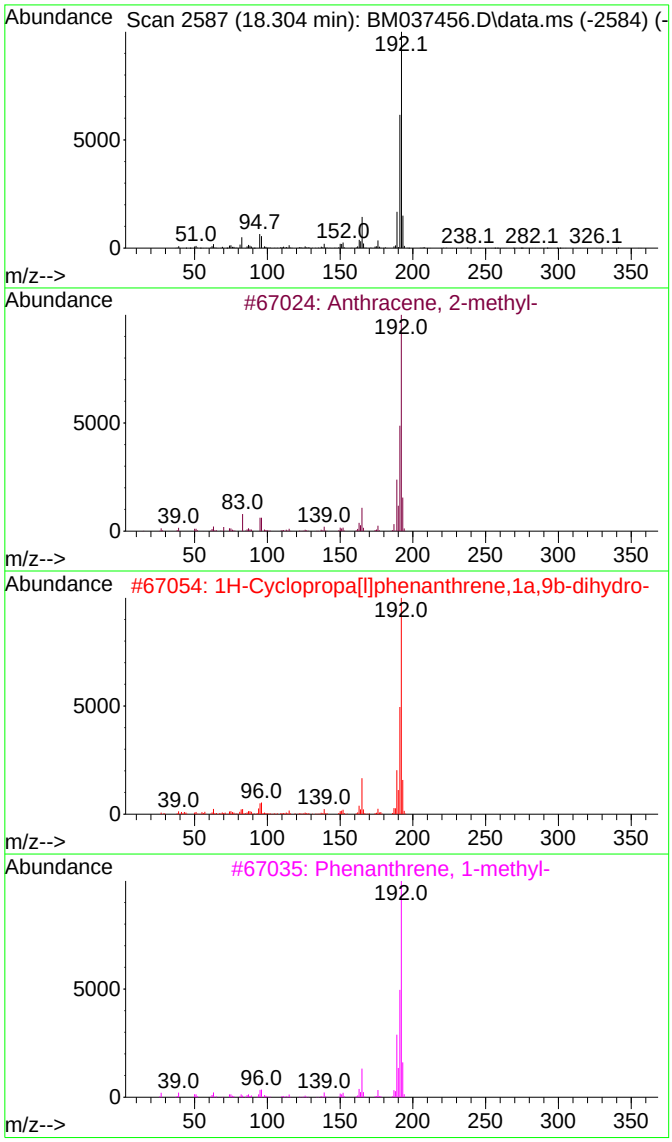
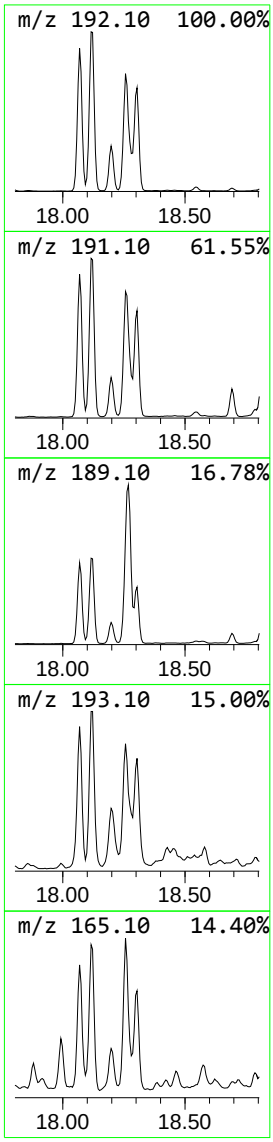
Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.304	26.27 ng	4827450	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Misc :
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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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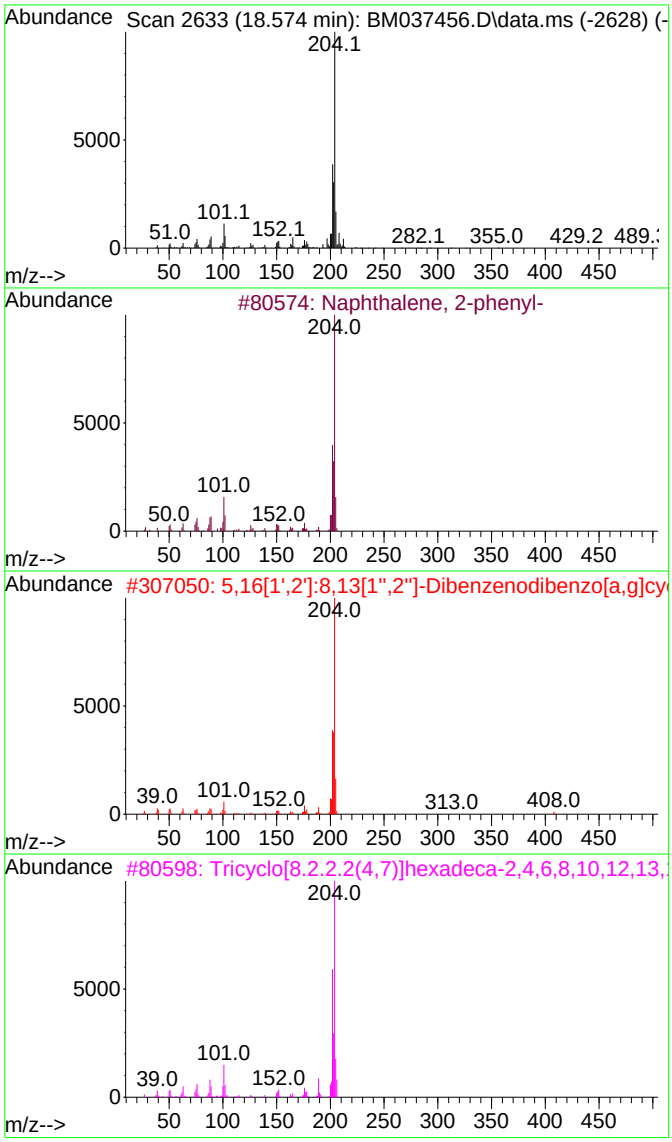
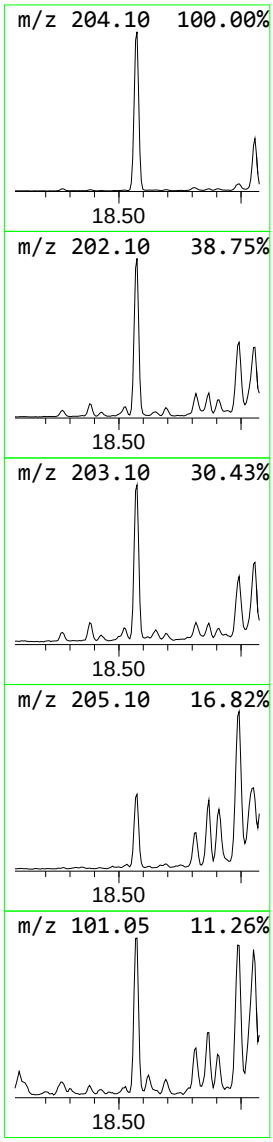
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.574	16.93 ng	3112550	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





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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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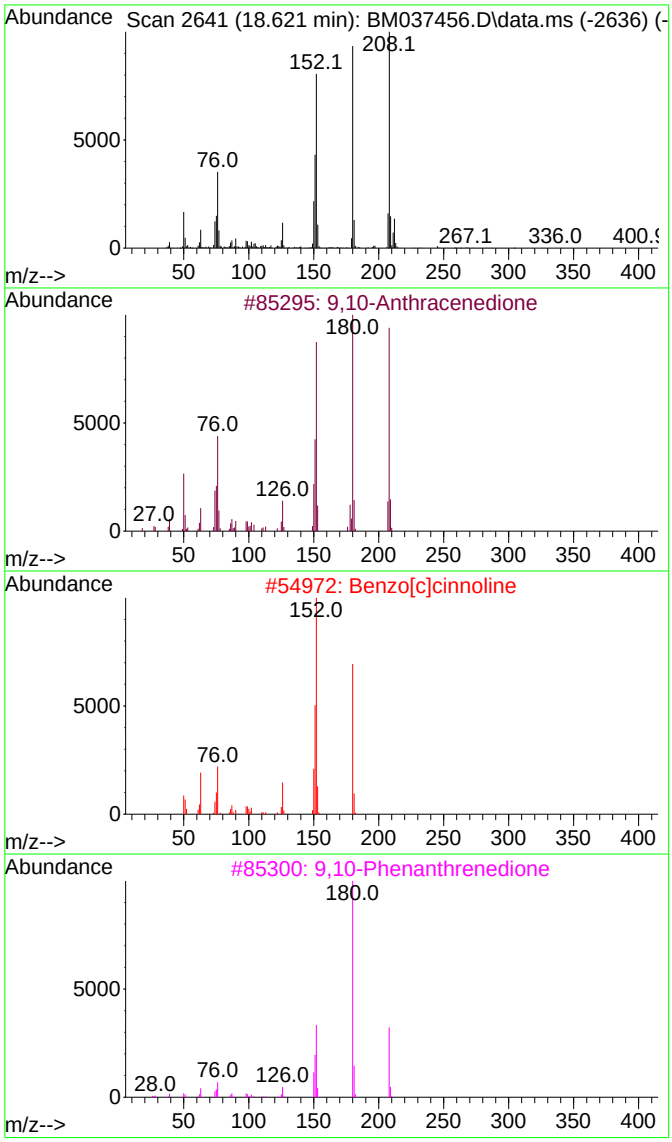
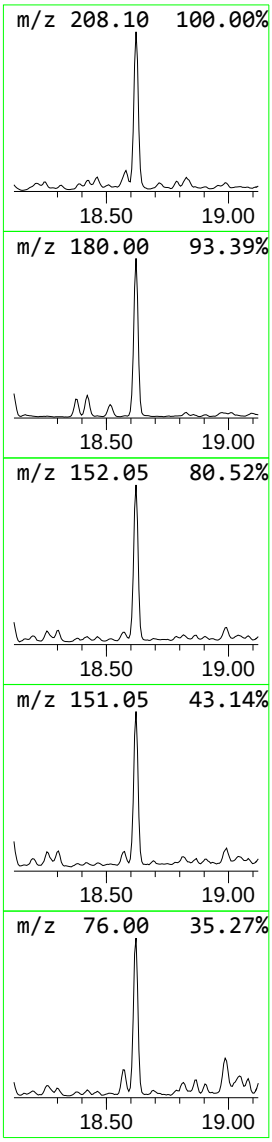
Peak Number 13 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.621	25.17 ng	4625370	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	50





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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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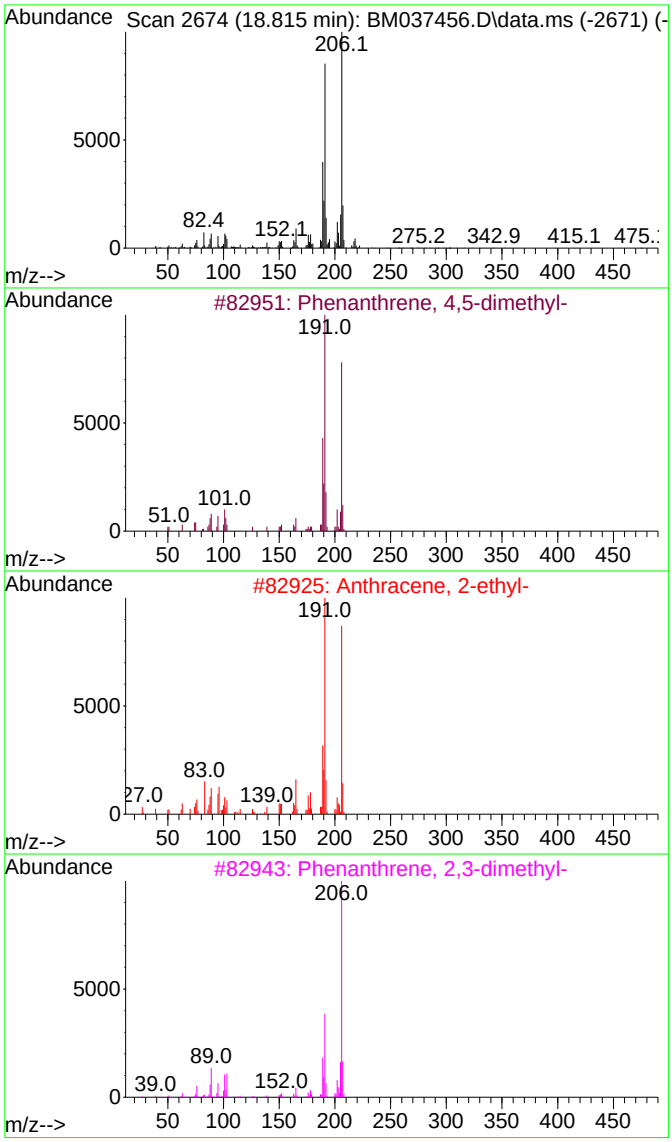
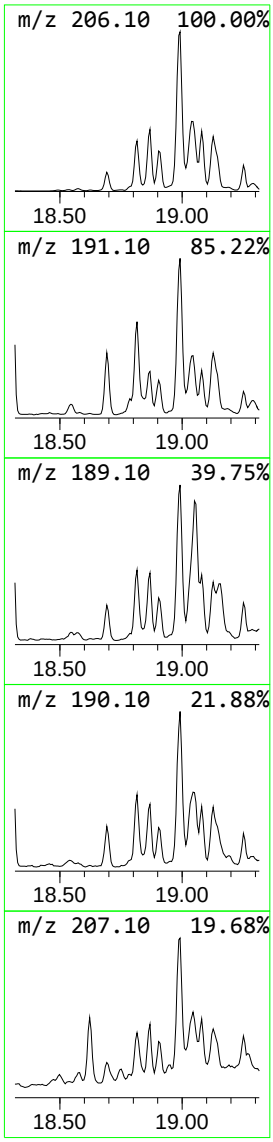
Peak Number 14 Phenanthrene, 4,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.815	11.96 ng	2198990	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	76
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76





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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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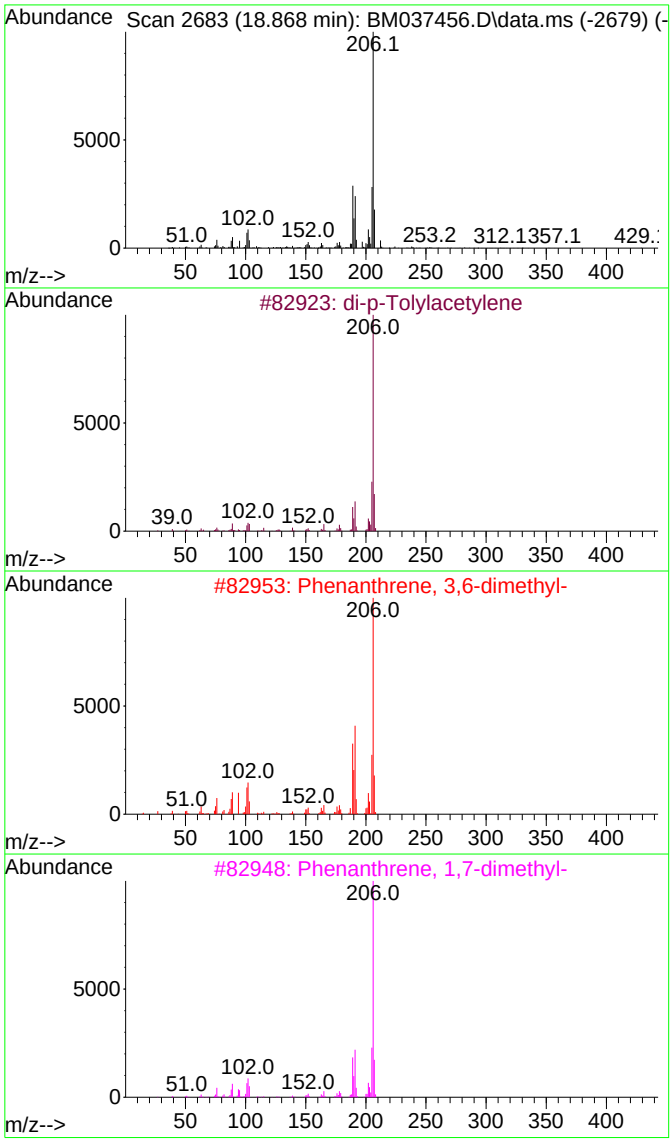
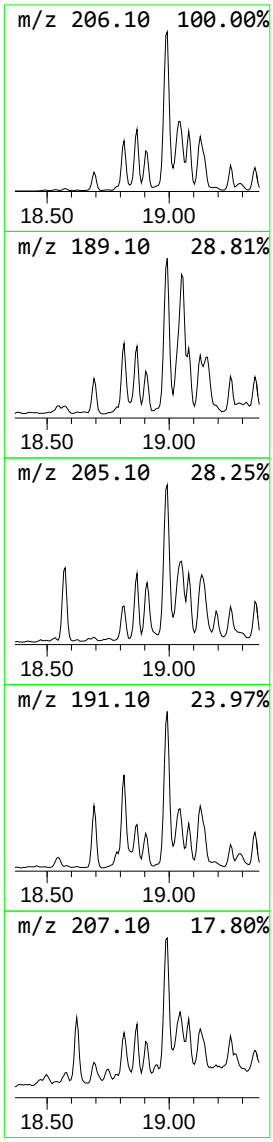
Peak Number 15 di-p-Tolylacetylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.868	9.43 ng	1733530	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	74





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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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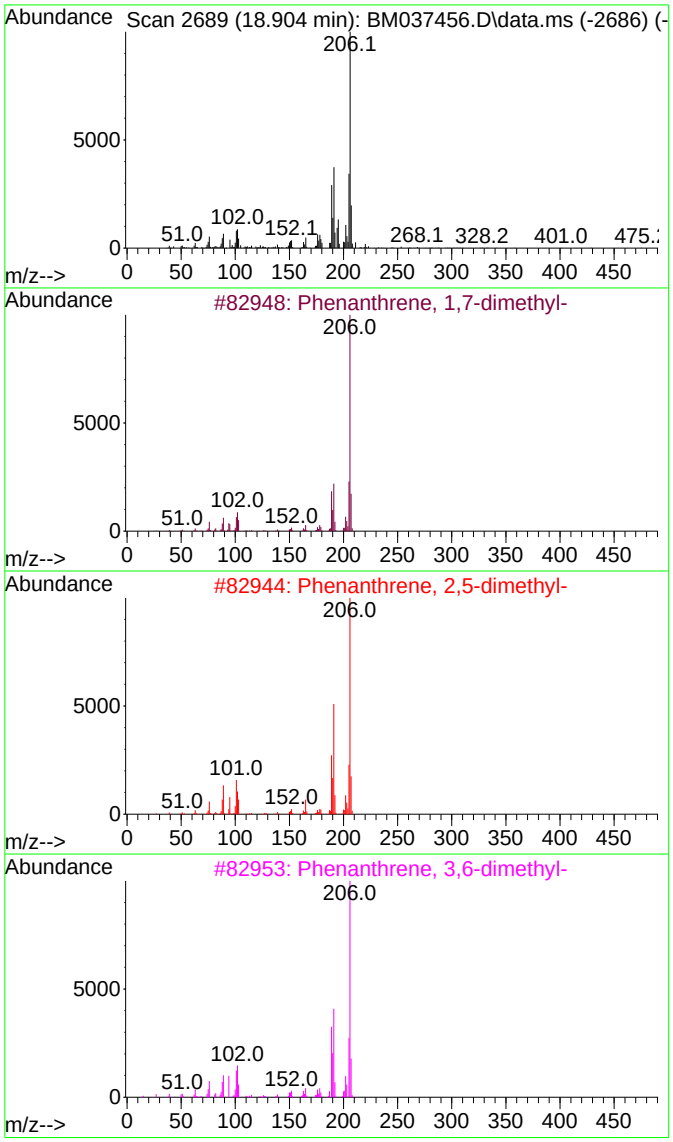
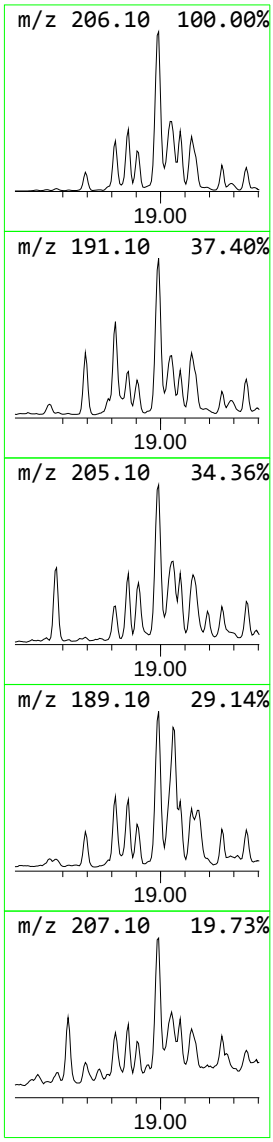
Peak Number 16 Phenanthrene, 1,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.904	6.59 ng	1211390	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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Data File : BM037456.D
Acq On : 10 Nov 2022 17:58
Operator : CG/JU
Sample : N5378-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.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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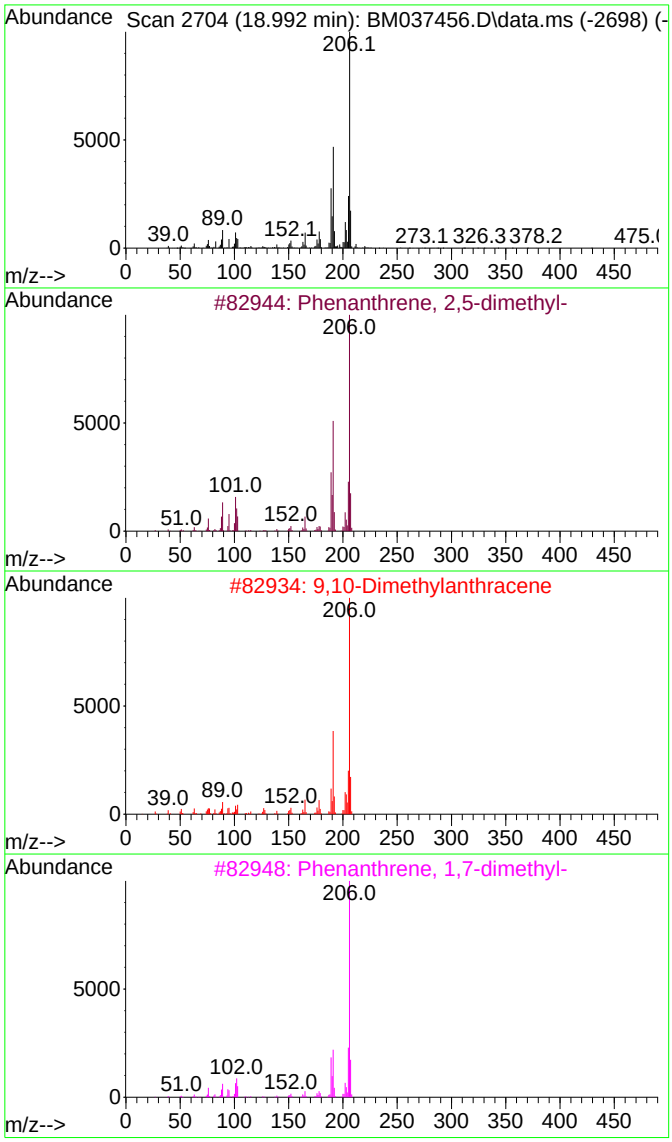
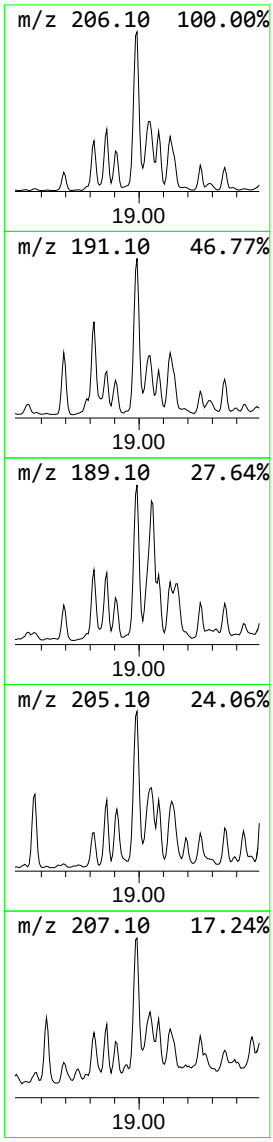
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.992	33.89 ng	6229520	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
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Acq On : 10 Nov 2022 17:58
Operator : CG/JU
Sample : N5378-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.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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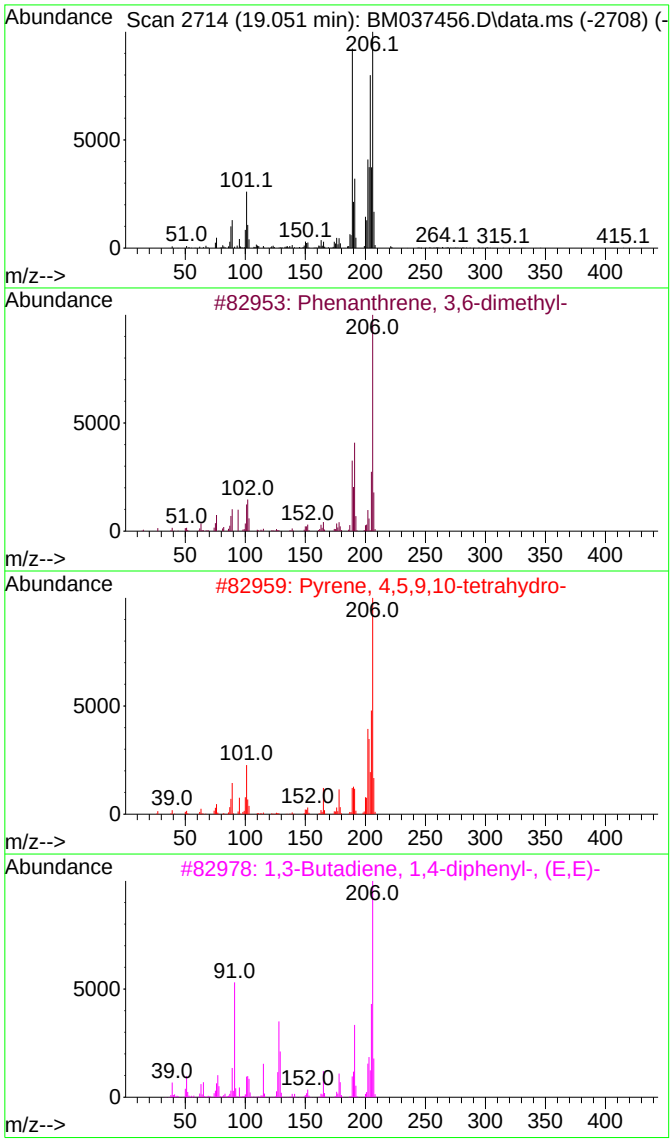
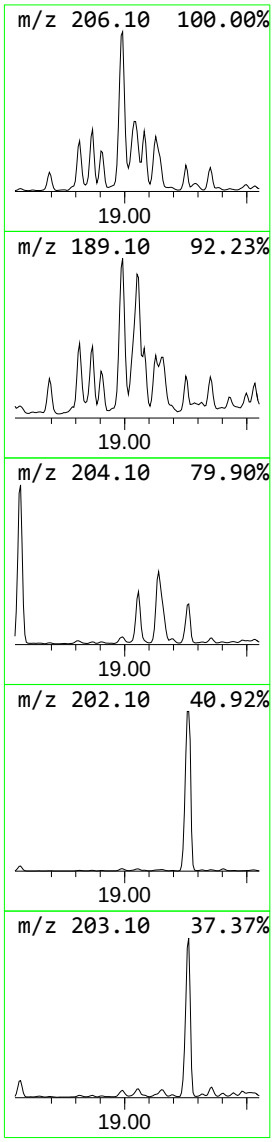
Peak Number 18 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.051	21.25 ng	3906170	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	80
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	55
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	42
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	30
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	30





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Data File : BM037456.D
Acq On : 10 Nov 2022 17:58
Operator : CG/JU
Sample : N5378-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.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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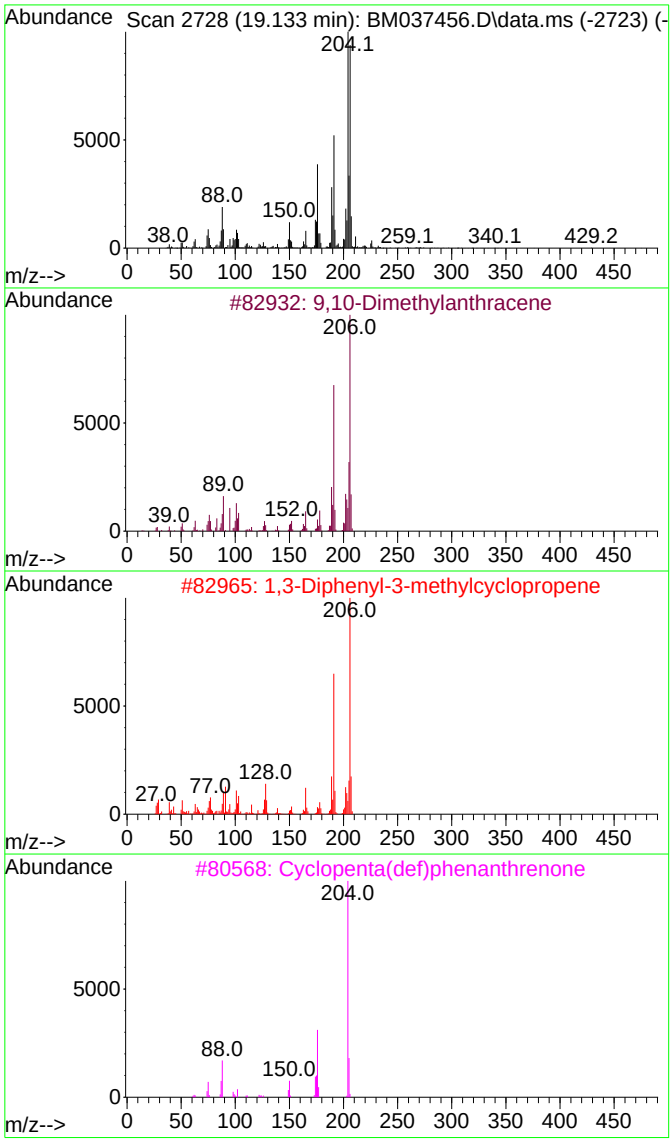
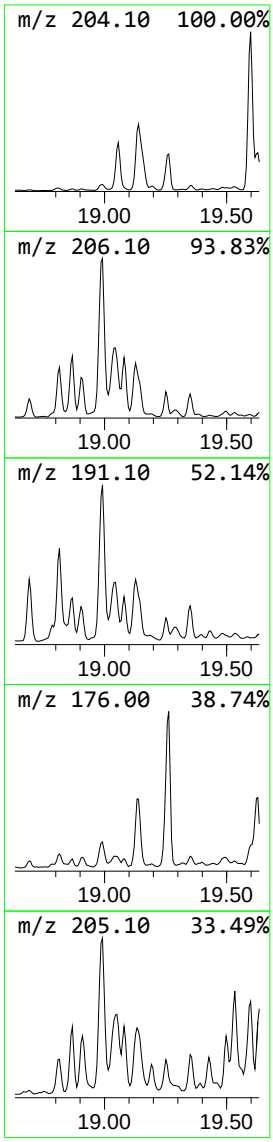
Peak Number 19 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.133	24.64 ng	4528000	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	89
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	55
5	Isocil	246	C8H11BrN2O2	000314-42-1	49





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Data File : BM037456.D
Acq On : 10 Nov 2022 17:58
Operator : CG/JU
Sample : N5378-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.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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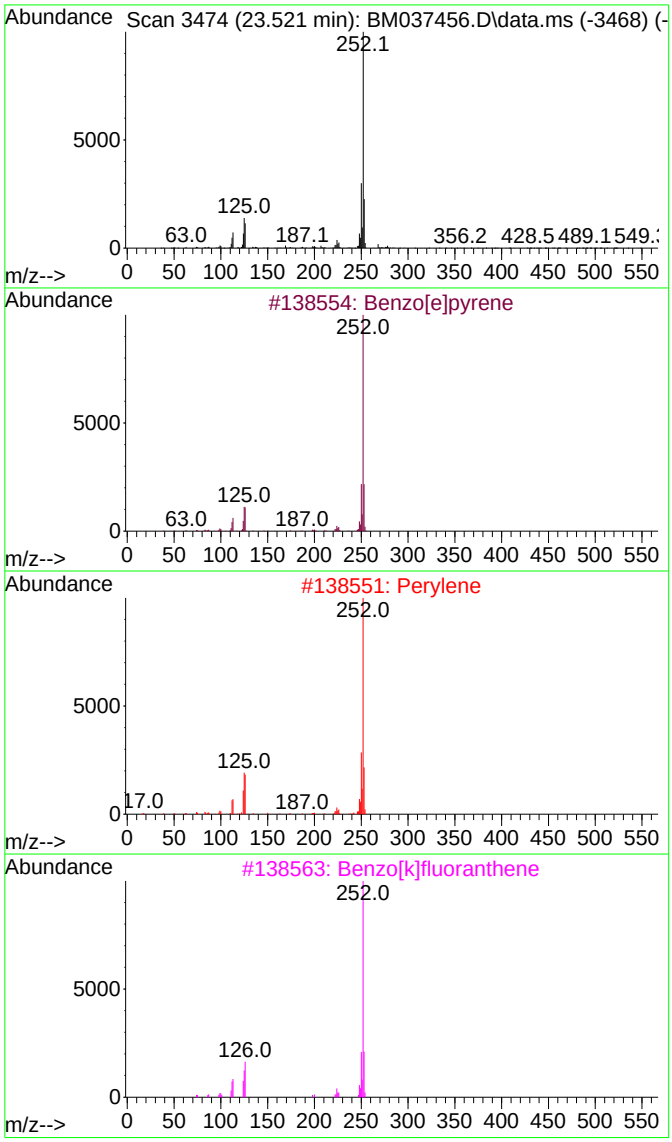
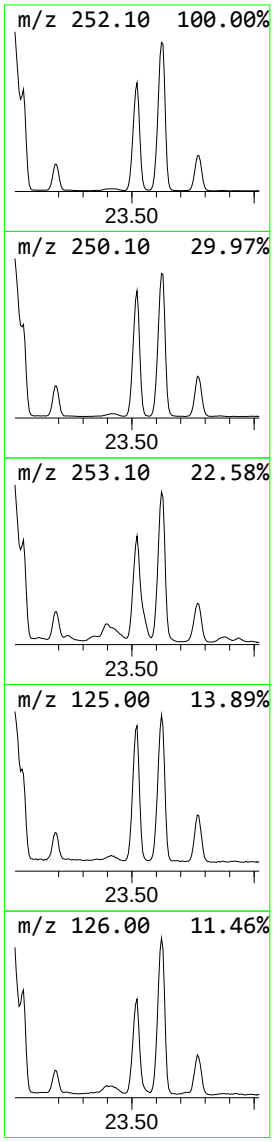
Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.521	85.54 ng	11164900	Perylene-d12	23.721

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037456.D
Acq On : 10 Nov 2022 17:58
Operator : CG/JU
Sample : N5378-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-15-20221028-5.5-6.5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.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
2-Pentanone, 4-...	4.922	7.4	ng	637009	1	7.810	1719450	20.0
Naphthalene, 2,...	13.769	8.0	ng	1405320	3	14.451	3533780	20.0
9H-Fluoren-9-one	16.851	6.7	ng	1235900	4	17.192	3675900	20.0
[1,1'-Biphenyl]...	16.939	7.6	ng	1398240	4	17.192	3675900	20.0
Dibenzothiophene	17.010	10.8	ng	1989150	4	17.192	3675900	20.0
1-Methyldibenzo...	17.774	9.5	ng	1748880	4	17.192	3675900	20.0
Phenanthrene, 2...	18.068	46.8	ng	8608880	4	17.192	3675900	20.0
Anthracene, 2-m...	18.115	47.6	ng	8740670	4	17.192	3675900	20.0
1H-Cyclopropa[l...	18.198	12.2	ng	2239950	4	17.192	3675900	20.0
Phenanthrene, 1...	18.262	58.7	ng	10787300	4	17.192	3675900	20.0
Phenanthrene, 4...	18.304	26.3	ng	4827450	4	17.192	3675900	20.0
Naphthalene, 2-...	18.574	16.9	ng	3112550	4	17.192	3675900	20.0
9,10-Anthracene...	18.621	25.2	ng	4625370	4	17.192	3675900	20.0
Phenanthrene, 4...	18.815	12.0	ng	2198990	4	17.192	3675900	20.0
di-p-Tolylacety...	18.868	9.4	ng	1733530	4	17.192	3675900	20.0
Phenanthrene, 1...	18.904	6.6	ng	1211390	4	17.192	3675900	20.0
Phenanthrene, 2...	18.992	33.9	ng	6229520	4	17.192	3675900	20.0
Phenanthrene, 3...	19.051	21.3	ng	3906170	4	17.192	3675900	20.0
9,10-Dimethylan...	19.133	24.6	ng	4528000	4	17.192	3675900	20.0
Benzo[e]pyrene	23.521	85.5	ng	11164900	6	23.721	2610530	20.0