LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
Data File : BM042468.D
Acq On : 27 Oct 2023 00:42
Operator : MA/JU
Sample : 04805-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DUP-02

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-BM102123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM042468.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	316	321	330	rVB	427970	598533	12.96%	0.757%
2	5.522	389	397	405	rBV	2218637	3216466	69.66%	4.067%
3	7.145	661	673	685	rBV	2197960	3458743	74.91%	4.373%
4	7.992	809	817	828	rBV	845398	1336755	28.95%	1.690%
5	9.186	1013	1020	1027	rBV	1321430	2138144	46.31%	2.703%
6	10.810	1286	1296	1302	rBV	1069156	1845141	39.96%	2.333%
7	10.869	1302	1306	1314	rVB2	251722	486903	10.55%	0.616%
8	11.451	1400	1405	1416	rVB5	44792	112736	2.44%	0.143%
9	11.739	1449	1454	1459	rBV	168320	246328	5.34%	0.311%
10	12.363	1553	1560	1569	rVB3	83326	168277	3.64%	0.213%
11	12.463	1572	1577	1588	rVB	90508	175181	3.79%	0.221%
12	12.686	1607	1615	1620	rVB	231467	385993	8.36%	0.488%
13	13.092	1679	1684	1691	rBV	170883	232203	5.03%	0.294%
14	13.257	1706	1712	1718	rBV	3072831	4277049	92.63%	5.408%
15	13.474	1744	1749	1754	rBV3	125014	199495	4.32%	0.252%
16	13.804	1796	1805	1811	rBV3	127884	333060	7.21%	0.421%
17	13.874	1812	1817	1821	rVV2	58044	99537	2.16%	0.126%
18	13.951	1824	1830	1835	rVV	242109	436523	9.45%	0.552%
19	14.004	1835	1839	1841	rVV	88472	133858	2.90%	0.169%
20	14.033	1841	1844	1850	rVV2	176765	243490	5.27%	0.308%
21	14.092	1850	1854	1863	rVB	66283	122569	2.65%	0.155%
22	14.186	1865	1870	1873	rBV	161226	227452	4.93%	0.288%
23	14.216	1873	1875	1887	rVB3	77286	154867	3.35%	0.196%
24	14.363	1887	1900	1907	rBV2	490906	892006	19.32%	1.128%
25	14.633	1941	1946	1953	rVB	1455204	2147045	46.50%	2.715%
26	14.698	1953	1957	1963	rVB2	167959	254405	5.51%	0.322%
27	14.839	1974	1981	1987	rBV4	73862	153858	3.33%	0.195%
28	15.033	2004	2014	2018	rVB2	149828	380918	8.25%	0.482%
29	15.092	2018	2024	2029	rVB3	120015	190294	4.12%	0.241%
30	15.233	2041	2048	2053	rBV2	133845	251396	5.44%	0.318%
31	15.286	2053	2057	2063	rVB2	82161	108314	2.35%	0.137%
32	15.404	2069	2077	2080	rBV4	68604	149943	3.25%	0.190%
33	15.504	2090	2094	2098	rBV	90975	127447	2.76%	0.161%
34	15.627	2111	2115	2118	rBV	65088	97674	2.12%	0.123%
35	15.680	2120	2124	2135	rVB	223548	435594	9.43%	0.551%
36	15.804	2141	2145	2154	rVB5	106616	220379	4.77%	0.279%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
Data File : BM042468.D
Acq On : 27 Oct 2023 00:42
Operator : MA/JU
Sample : 04805-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DUP-02

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-BM102123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.963	2168	2172	2178	rVV	104859	179239	3.88%	0.227%
38	16.127	2191	2200	2210	rVB	2278466	3316894	71.84%	4.194%
39	16.286	2220	2227	2231	rBV	84983	164455	3.56%	0.208%
40	16.674	2285	2293	2298	rBV	181583	386089	8.36%	0.488%
41	16.727	2298	2302	2307	rBV2	125385	179889	3.90%	0.227%
42	16.827	2314	2319	2324	rBV	118397	175225	3.80%	0.222%
43	16.892	2324	2330	2334	rVV3	50807	109571	2.37%	0.139%
44	16.939	2334	2338	2346	rVV5	53685	145088	3.14%	0.183%
45	17.039	2350	2355	2358	rVV3	55341	109830	2.38%	0.139%
46	17.104	2362	2366	2371	rVB2	80260	135827	2.94%	0.172%
47	17.204	2378	2383	2390	rVB	400703	595333	12.89%	0.753%
48	17.386	2408	2414	2418	rBV	1676261	2384356	51.64%	3.015%
49	17.427	2418	2421	2430	rVB	2152647	2918497	63.21%	3.690%
50	17.521	2430	2437	2442	rBV	828051	1232892	26.70%	1.559%
51	17.804	2481	2485	2489	rVB3	80817	130600	2.83%	0.165%
52	17.898	2497	2501	2507	rBV2	112110	166796	3.61%	0.211%
53	17.962	2507	2512	2521	rVB	315104	467752	10.13%	0.591%
54	18.109	2531	2537	2542	rVB	214891	423878	9.18%	0.536%
55	18.233	2553	2558	2559	rVV	450385	530255	11.48%	0.670%
56	18.256	2559	2562	2566	rVV	659803	1002592	21.71%	1.268%
57	18.304	2566	2570	2578	rVV	664515	960816	20.81%	1.215%
58	18.386	2580	2584	2589	rVV	286023	382055	8.27%	0.483%
59	18.456	2589	2596	2599	rVV2	908998	1687841	36.56%	2.134%
60	18.486	2599	2601	2608	rVB	408792	549593	11.90%	0.695%
61	18.645	2625	2628	2633	rVB	110204	138289	3.00%	0.175%
62	18.756	2641	2647	2652	rBV2	323685	581351	12.59%	0.735%
63	18.803	2653	2655	2661	rVB2	132074	158303	3.43%	0.200%
64	18.915	2669	2674	2679	rBV2	90543	187218	4.05%	0.237%
65	18.962	2679	2682	2685	rBV	88862	131189	2.84%	0.166%
66	19.039	2692	2695	2699	rVB	176513	210028	4.55%	0.266%
67	19.086	2699	2703	2707	rVB3	168967	241331	5.23%	0.305%
68	19.162	2709	2716	2721	rBV	435024	774980	16.78%	0.980%
69	19.233	2721	2728	2730	rBV5	165292	338254	7.33%	0.428%
70	19.256	2730	2732	2736	rVB	148002	148756	3.22%	0.188%
71	19.303	2736	2740	2742	rBV2	112216	183402	3.97%	0.232%
72	19.439	2757	2763	2768	rBV	2741361	3648534	79.02%	4.613%
73	19.503	2768	2774	2777	rBV3	170490	312657	6.77%	0.395%
74	19.592	2784	2789	2793	rBV	386795	496534	10.75%	0.628%
75	19.686	2802	2805	2813	rVB2	228909	467756	10.13%	0.591%
76	19.762	2814	2818	2821	rBV	291356	431545	9.35%	0.546%

LSC Area Percent Report

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Sample : 04805-07
Misc :
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Instrument :
BNA_M
ClientSampleId :
DUP-02

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

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Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.803	2821	2825	2831	rVV	2965917	3982252	86.25%	5.035%
78	19.862	2831	2835	2840	rVB2	182277	265022	5.74%	0.335%
79	19.998	2851	2858	2866	rVB	3519683	4617132	100.00%	5.838%
80	20.115	2873	2878	2879	rBV3	249539	313673	6.79%	0.397%
81	20.256	2898	2902	2904	rBV2	192123	286252	6.20%	0.362%
82	20.292	2905	2908	2914	rVB	627094	841462	18.22%	1.064%
83	20.356	2915	2919	2921	rBV3	78156	135173	2.93%	0.171%
84	20.392	2921	2925	2929	rBV	548866	621798	13.47%	0.786%
85	20.450	2931	2935	2939	rVB	342225	400415	8.67%	0.506%
86	20.592	2955	2959	2962	rBV	333478	413878	8.96%	0.523%
87	20.639	2963	2967	2973	rVB	360730	513089	11.11%	0.649%
88	21.168	3055	3057	3060	rBV	78903	86131	1.87%	0.109%
89	21.209	3060	3064	3068	rBV2	505250	894109	19.37%	1.130%
90	21.286	3073	3077	3081	rBV3	194854	277140	6.00%	0.350%
91	21.562	3117	3124	3128	rBV2	1886565	4104568	88.90%	5.190%
92	21.603	3128	3131	3136	rVB	1248786	1482760	32.11%	1.875%
93	21.792	3159	3163	3170	rVB3	204515	319101	6.91%	0.403%
94	22.144	3220	3223	3228	rVB	326052	443681	9.61%	0.561%
95	22.197	3230	3232	3238	rVB2	179585	203867	4.42%	0.258%
96	22.356	3257	3259	3263	rBV	134504	140371	3.04%	0.177%
97	23.268	3408	3414	3420	rBV	632777	1745099	37.80%	2.206%
98	23.803	3500	3505	3516	rVB	530722	1046956	22.68%	1.324%
99	23.915	3518	3524	3532	rVB	817475	1559877	33.78%	1.972%
100	24.027	3537	3543	3548	rBV	799099	1574345	34.10%	1.991%

Sum of corrected areas: 79092217

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
Data File : BM042468.D
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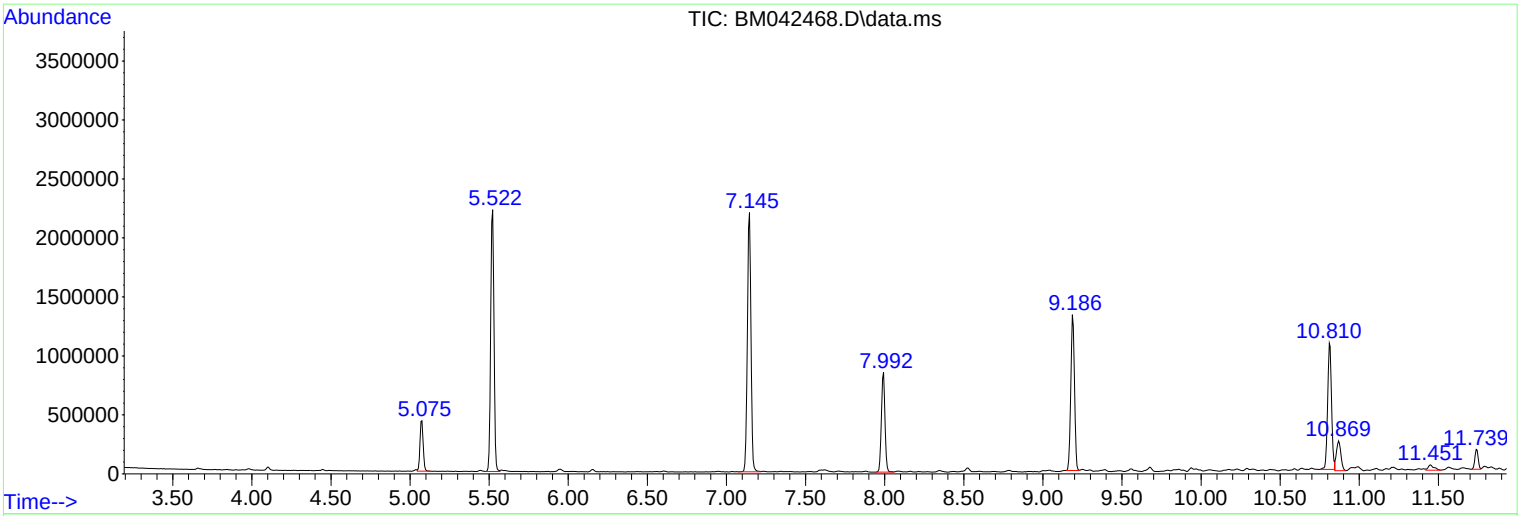
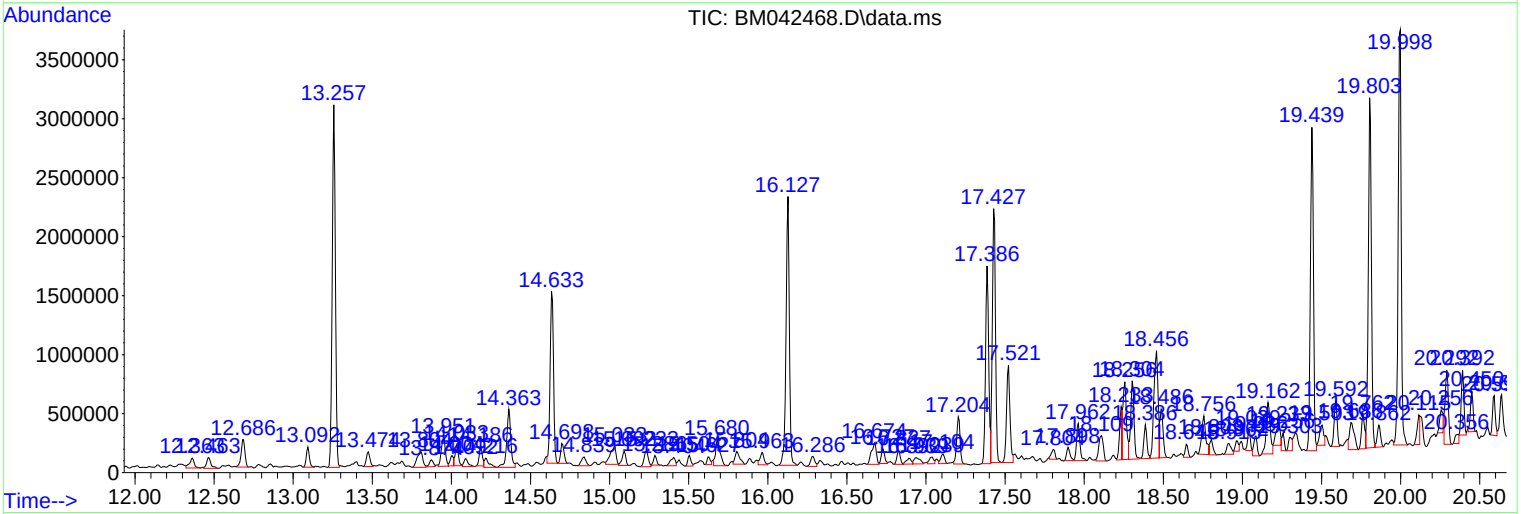
Misc :
ALS Vial : 17 Sample Multiplier: 1

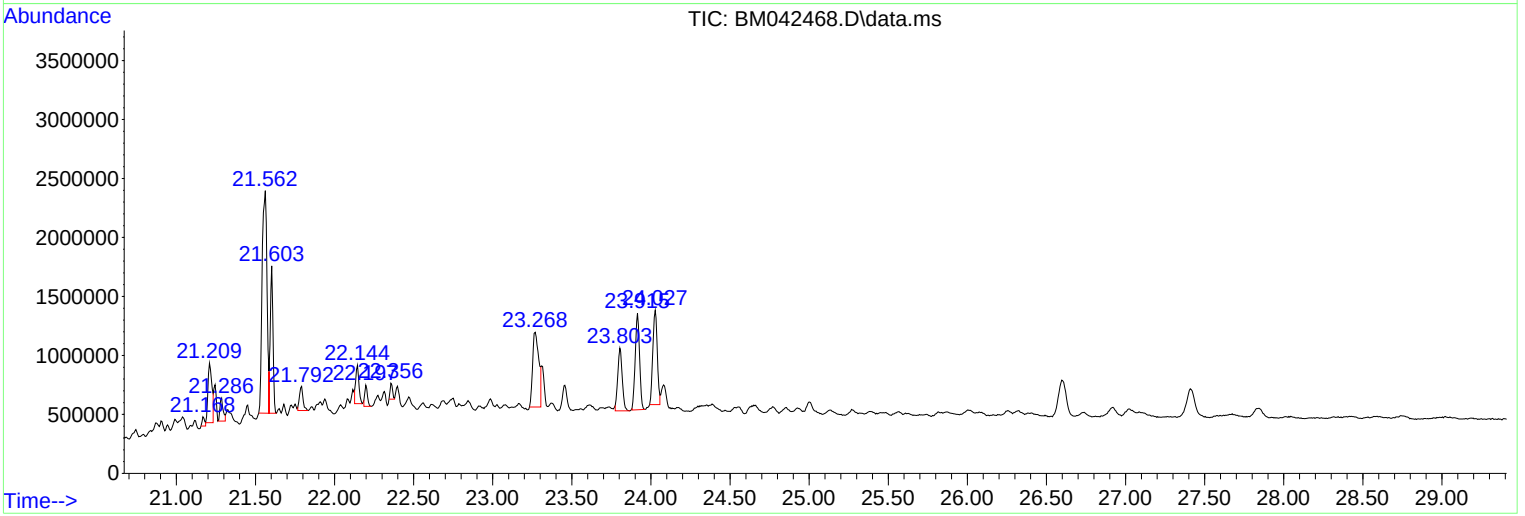
Instrument :
BNA_M
ClientSampleId :
DUP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.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\BM102623\
Data File : BM042468.D
Acq On : 27 Oct 2023 00:42
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Instrument :
BNA_M
ClientSampleId :
DUP-02

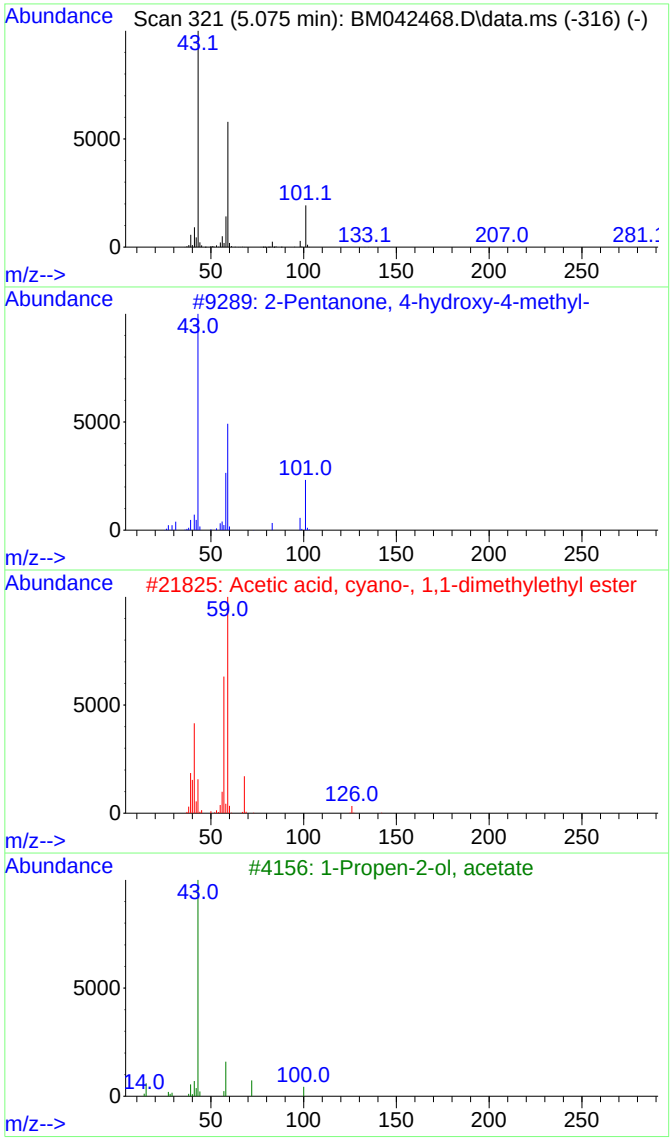
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

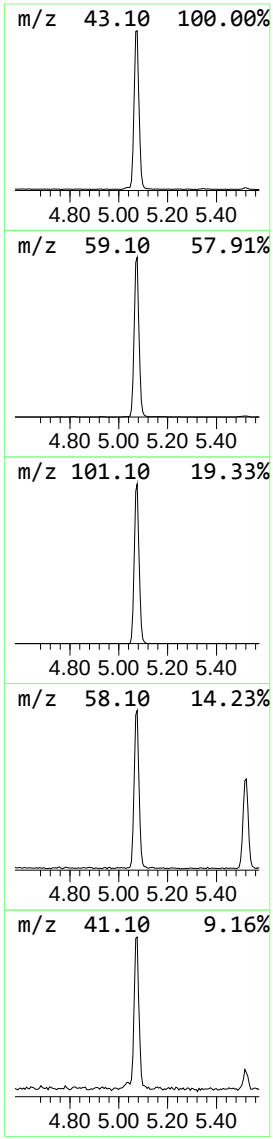
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.075	8.96 ng	598533	1,4-Dichlorobenzene-d4	7.992

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	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
Data File : BM042468.D
Acq On : 27 Oct 2023 00:42
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ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

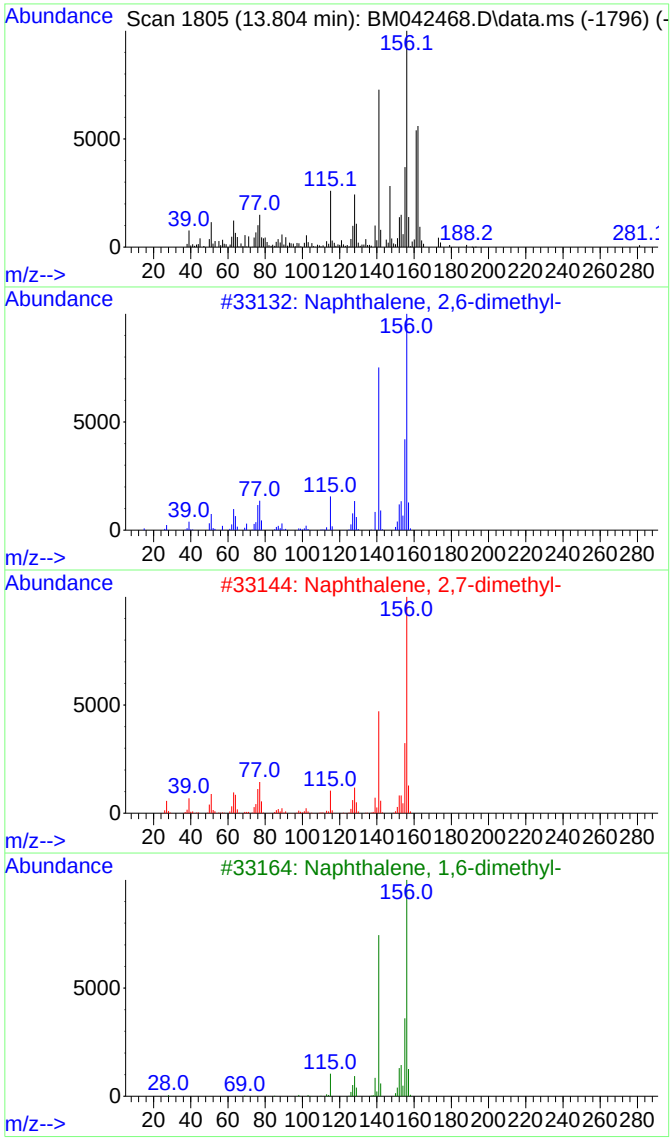
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

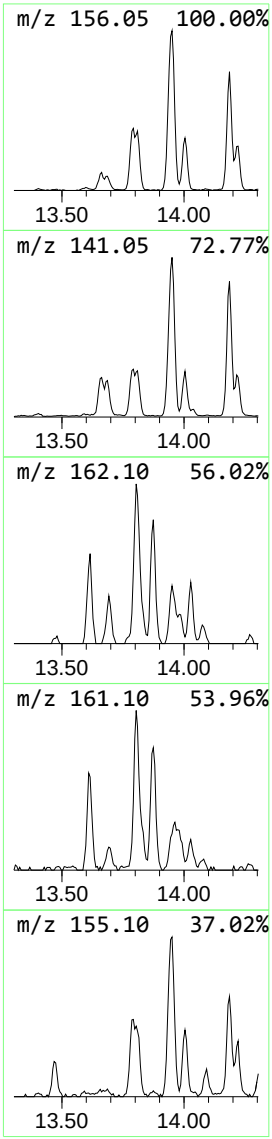
****

Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.804	3.10 ng	333060	Acenaphthene-d10	14.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	90
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	90
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
Data File : BM042468.D
Acq On : 27 Oct 2023 00:42
Operator : MA/JU
Sample : 04805-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DUP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

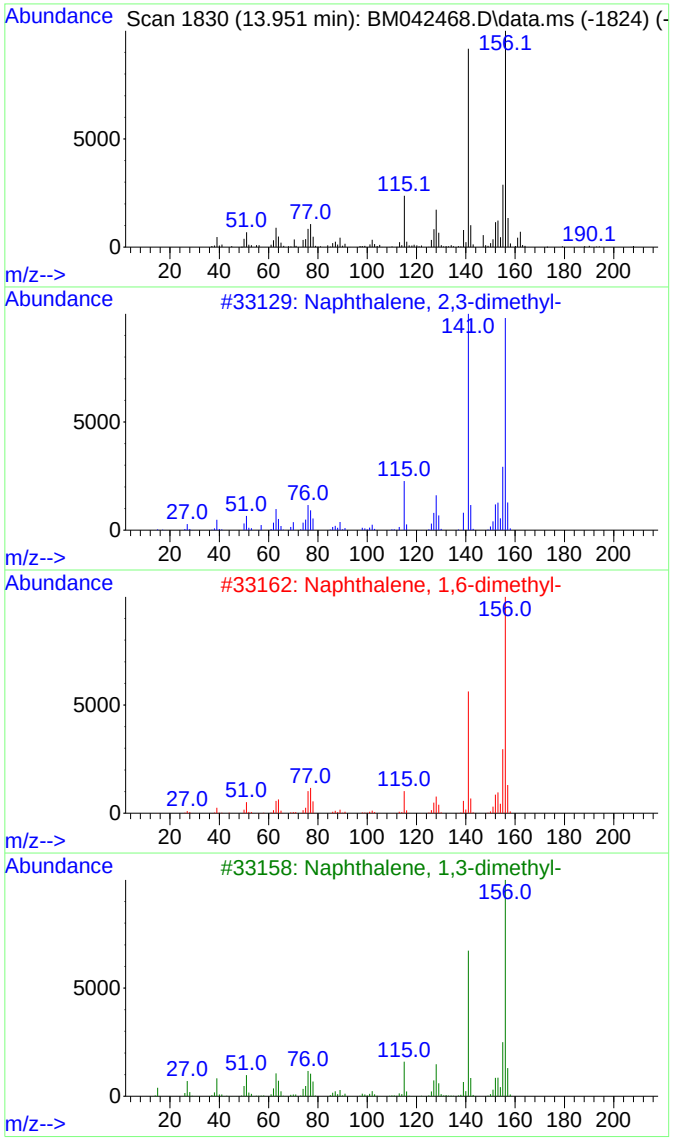
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

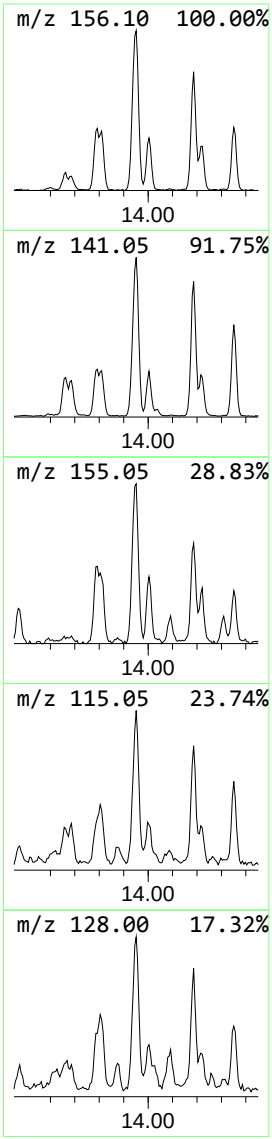
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.951	4.07 ng	436523	Acenaphthene-d10	14.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
Data File : BM042468.D
Acq On : 27 Oct 2023 00:42
Operator : MA/JU
Sample : 04805-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

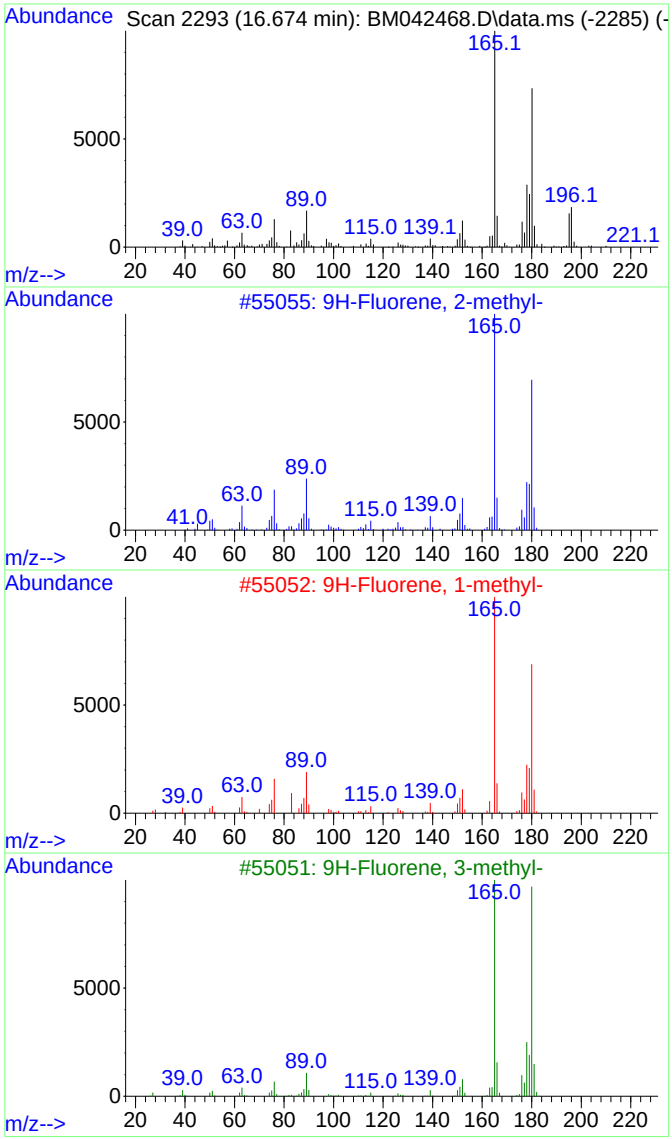
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

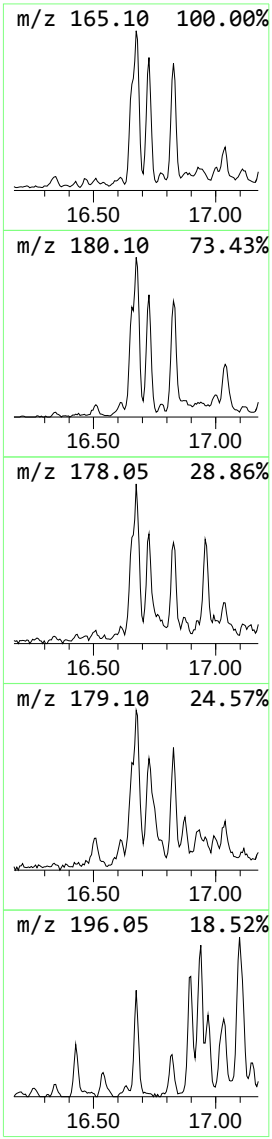
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.674	3.24 ng	386089	Phenanthrene-d10	17.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
Data File : BM042468.D
Acq On : 27 Oct 2023 00:42
Operator : MA/JU
Sample : 04805-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DUP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

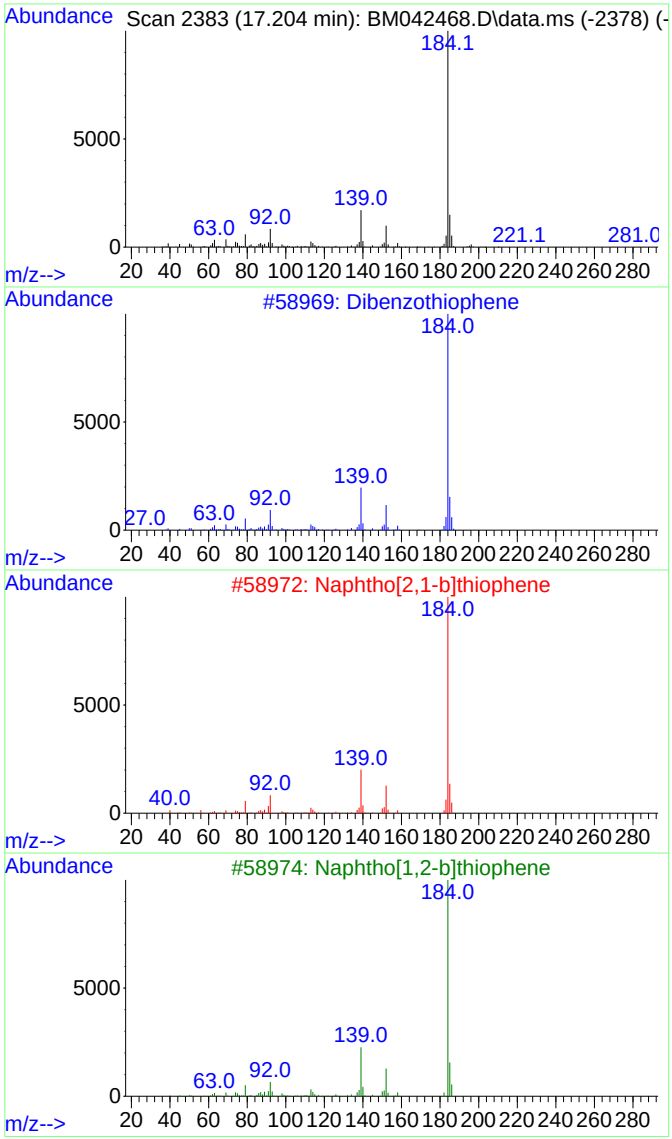
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

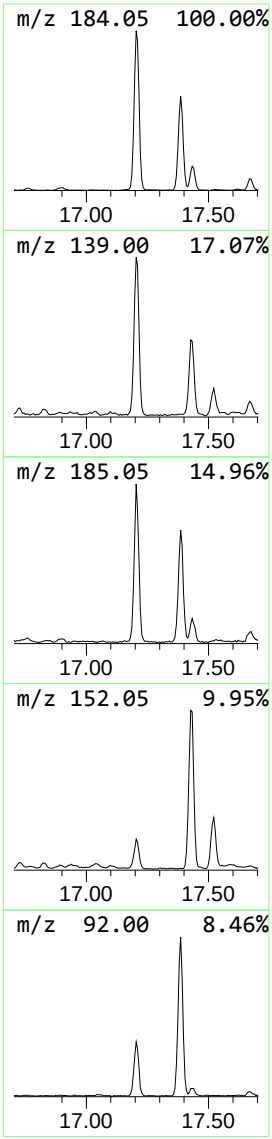
****

Peak Number 5 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.204	4.99 ng	595333	Phenanthrene-d10	17.386

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	90





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Acq On : 27 Oct 2023 00:42
Operator : MA/JU
Sample : 04805-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DUP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.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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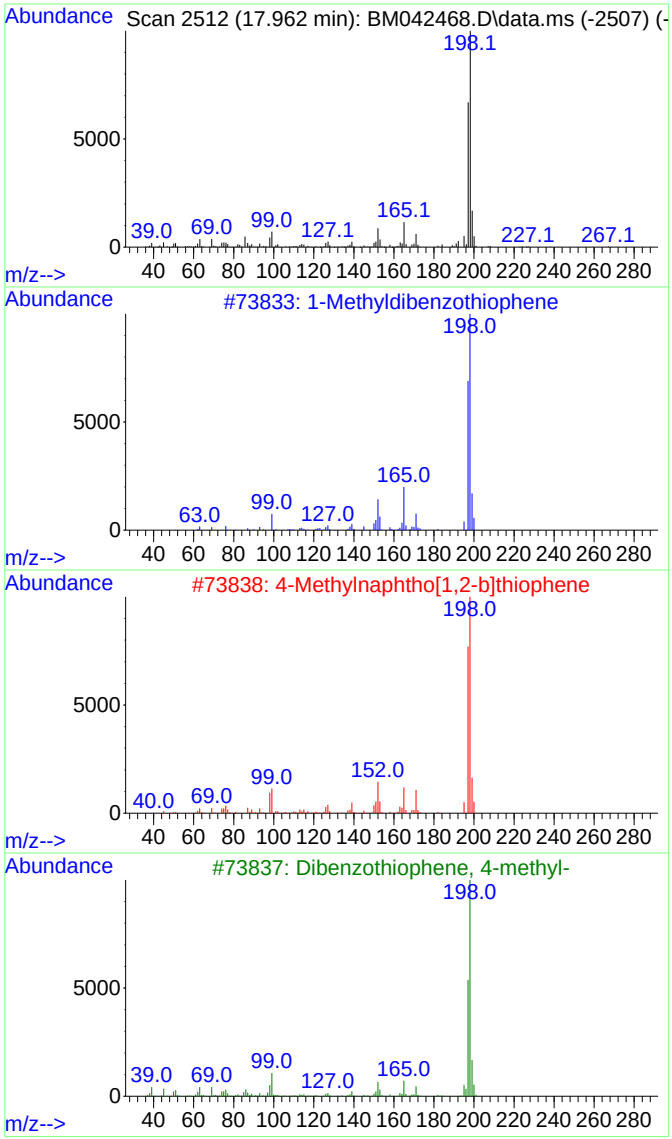
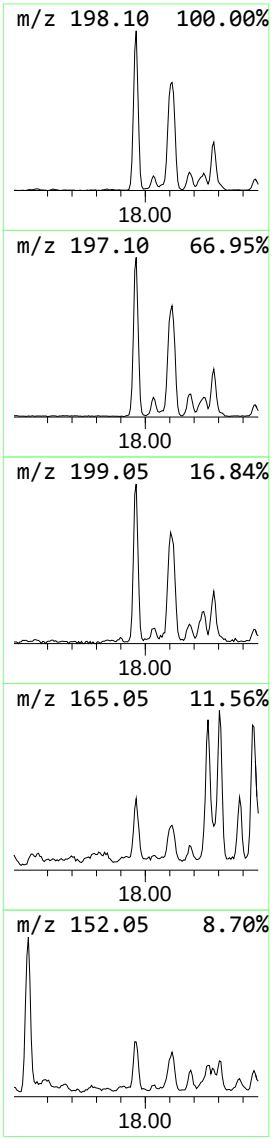
Peak Number 6 1-Methyldibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.962	3.92 ng	467752	Phenanthrene-d10	17.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	96
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	91





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Sample : 04805-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DUP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.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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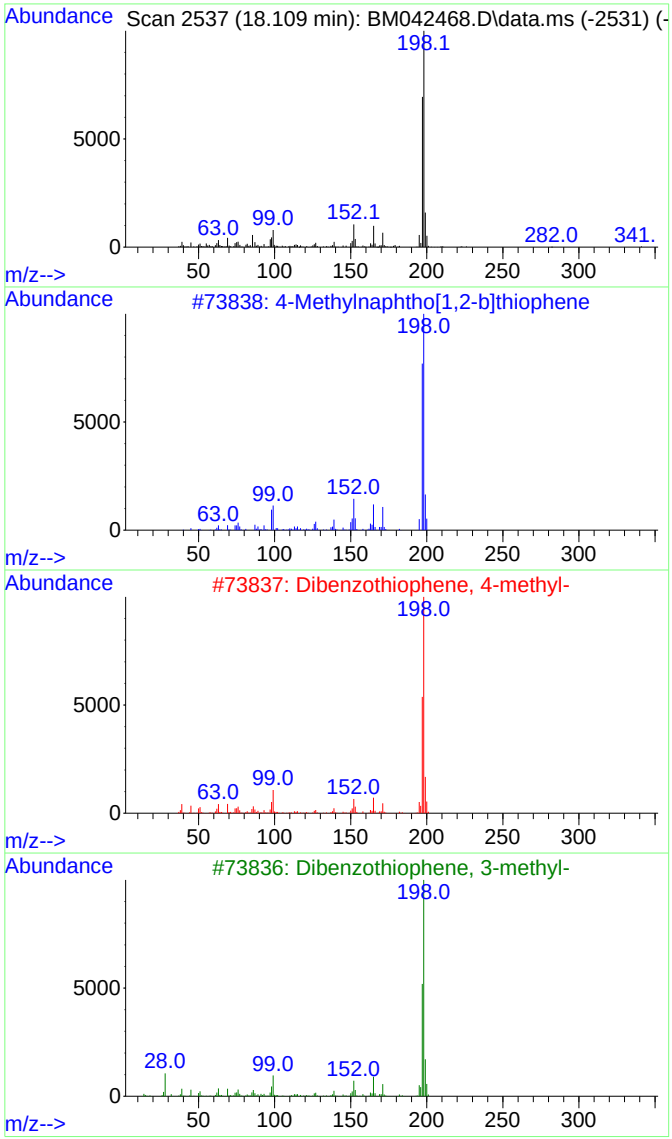
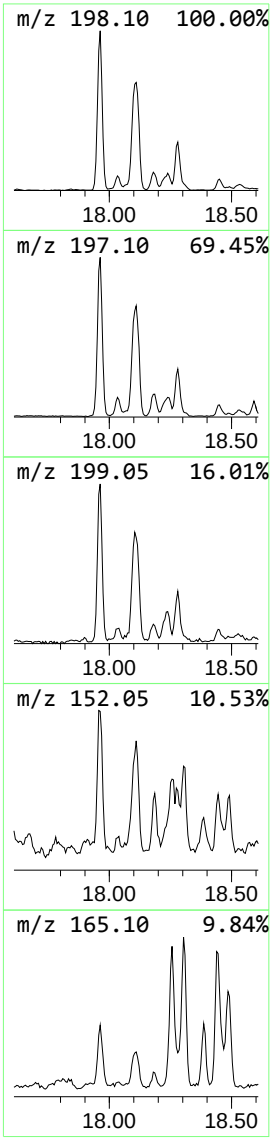
Peak Number 7 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.109	3.56 ng	423878	Phenanthrene-d10	17.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	96
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	95
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87





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Sample : 04805-07
Misc :
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Instrument :
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ClientSampleId :
DUP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.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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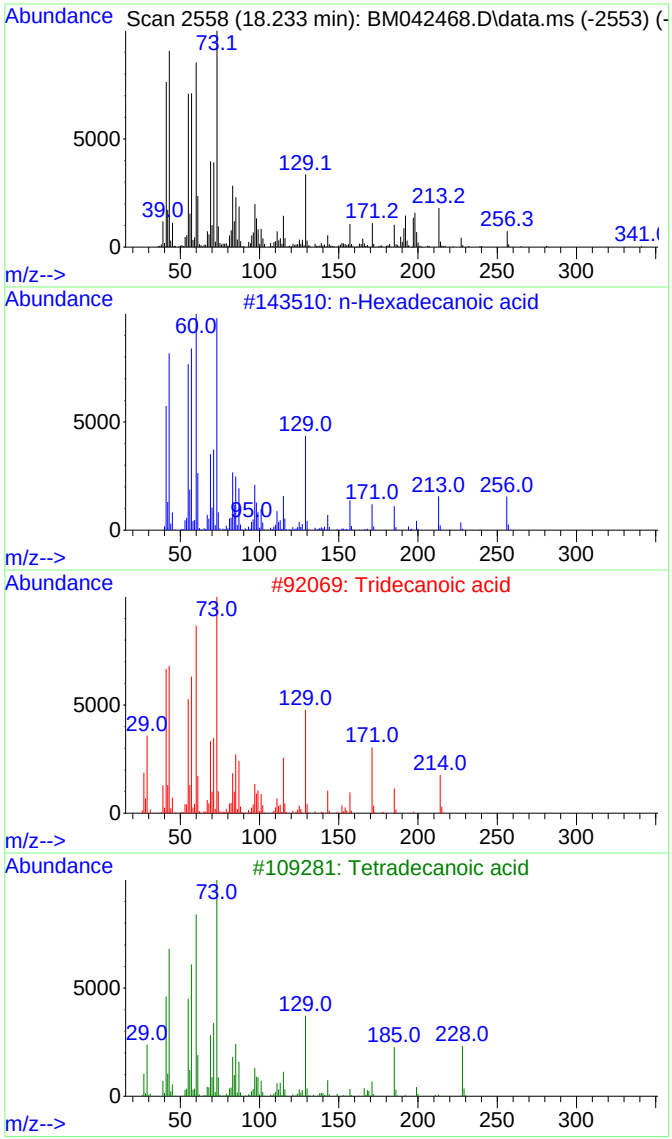
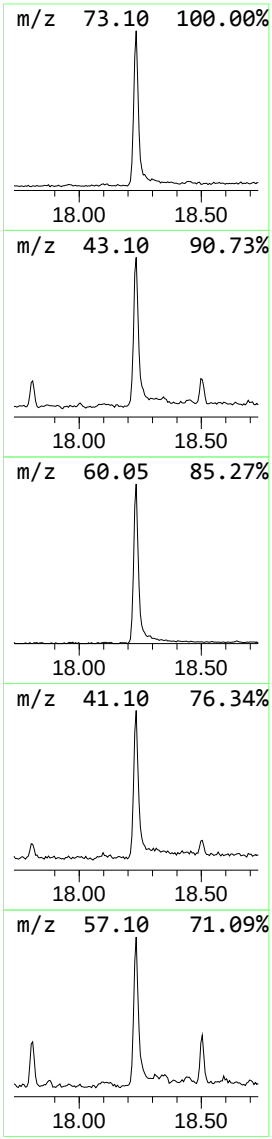
Peak Number 8 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.233	4.45 ng	530255	Phenanthrene-d10	17.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
5	Dodecanoic acid	200	C12H24O2	000143-07-7	70





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Sample : 04805-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DUP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.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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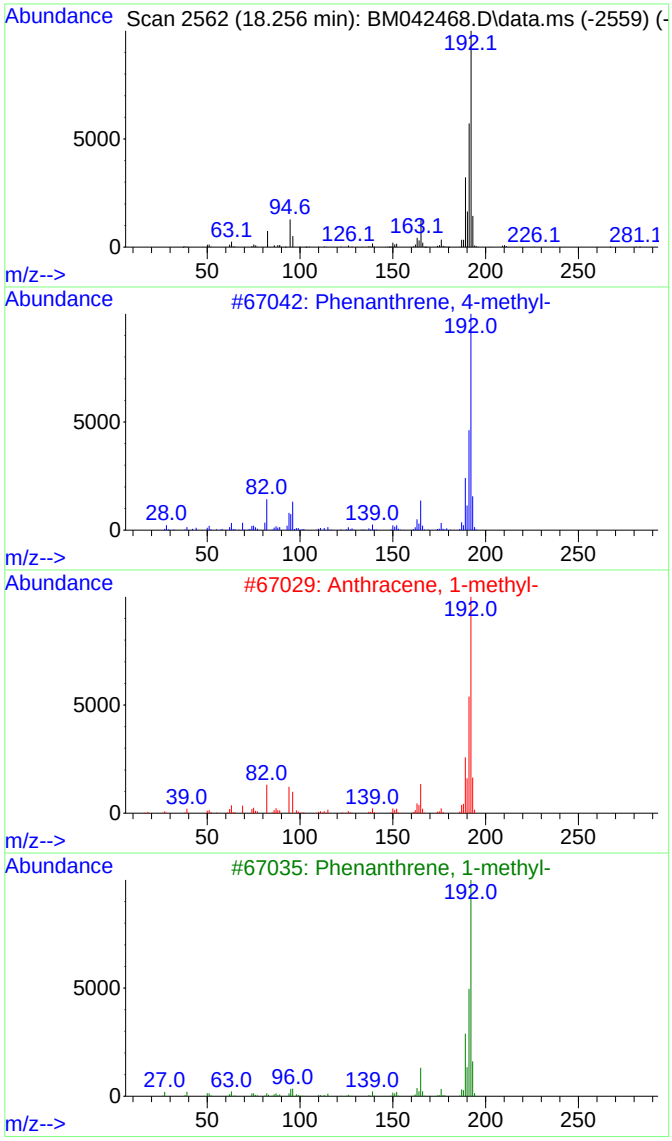
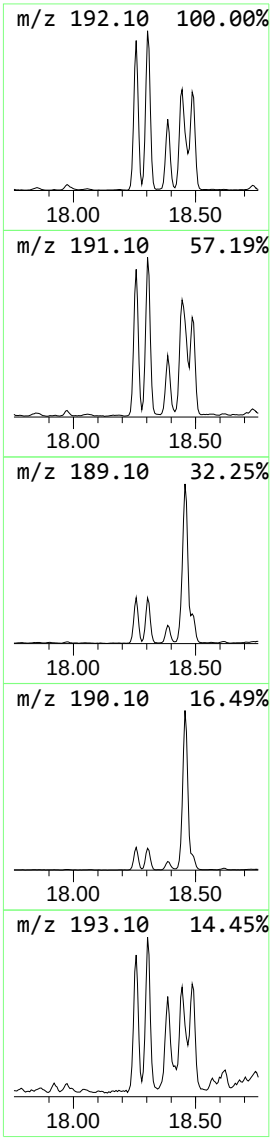
Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.256	8.41 ng	1002590	Phenanthrene-d10	17.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Acq On : 27 Oct 2023 00:42
Operator : MA/JU
Sample : 04805-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DUP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.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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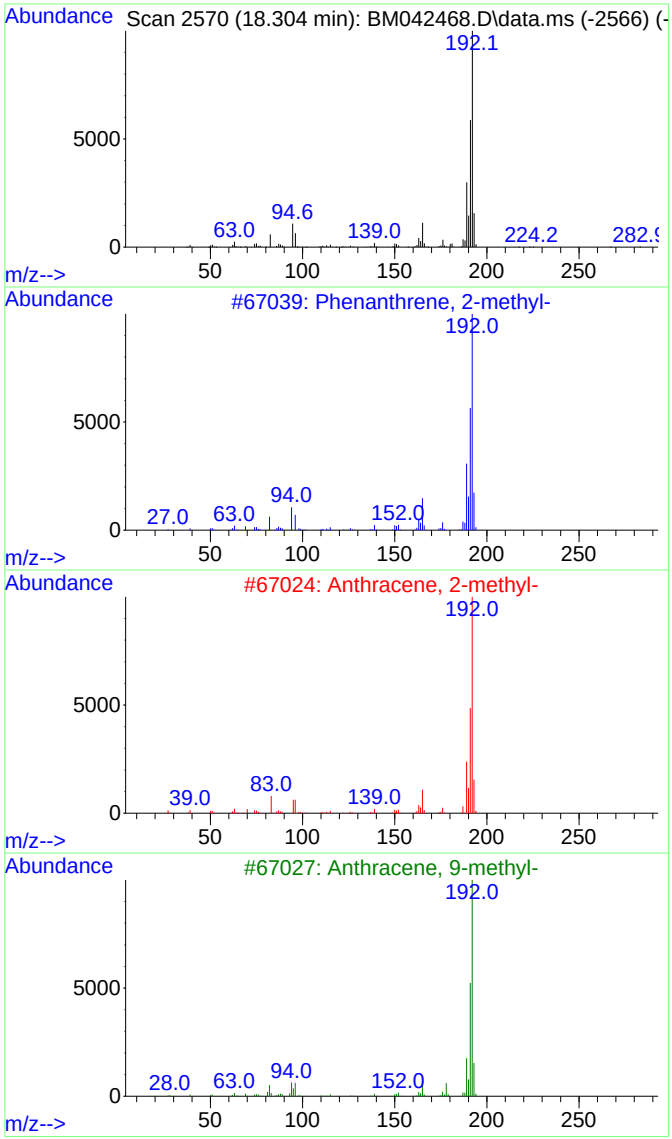
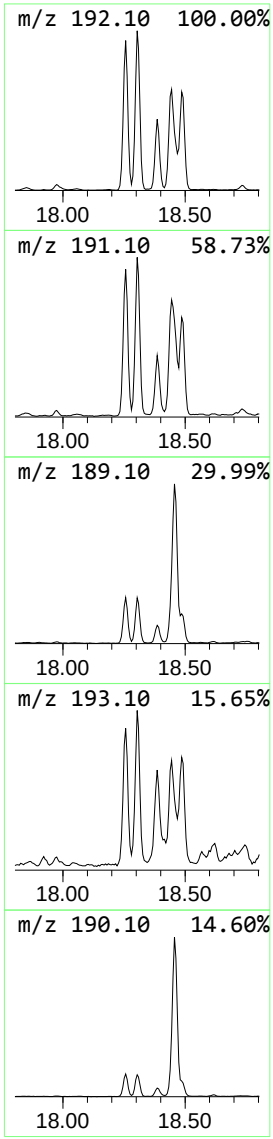
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.304	8.06 ng	960816	Phenanthrene-d10	17.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Acq On : 27 Oct 2023 00:42
Operator : MA/JU
Sample : 04805-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DUP-02

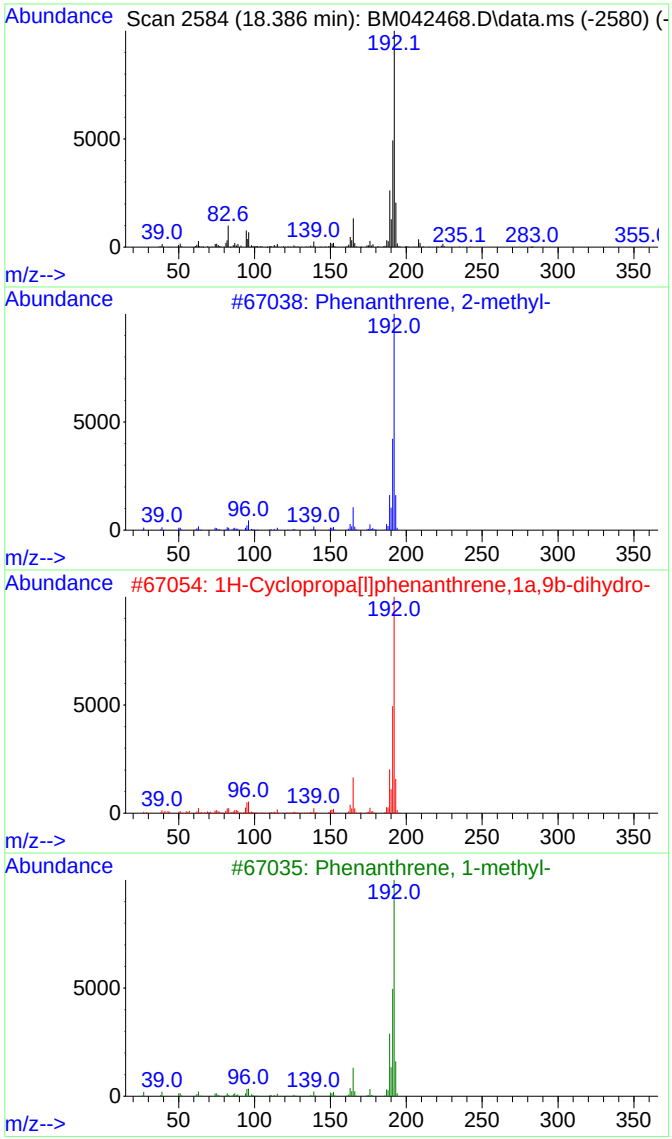
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

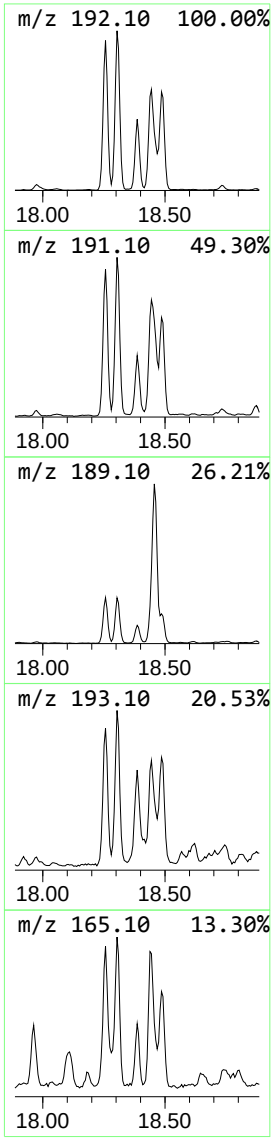
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.386	3.20 ng	382055	Phenanthrene-d10	17.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Acq On : 27 Oct 2023 00:42
Operator : MA/JU
Sample : 04805-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DUP-02

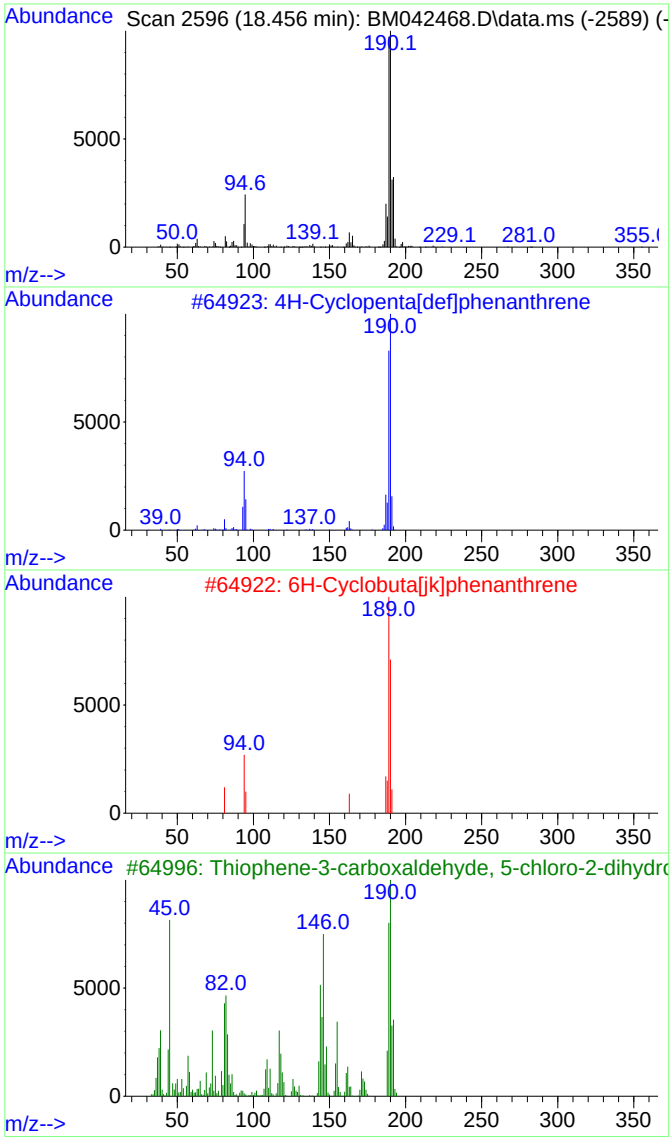
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

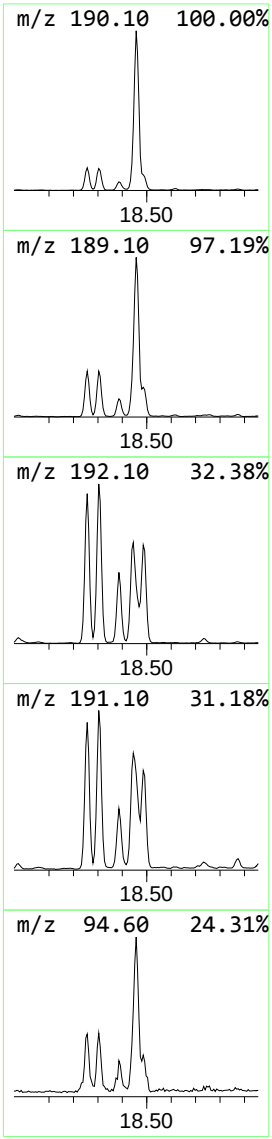
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.456	14.16 ng	1687840	Phenanthrene-d10	17.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	49





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Acq On : 27 Oct 2023 00:42
Operator : MA/JU
Sample : 04805-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DUP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

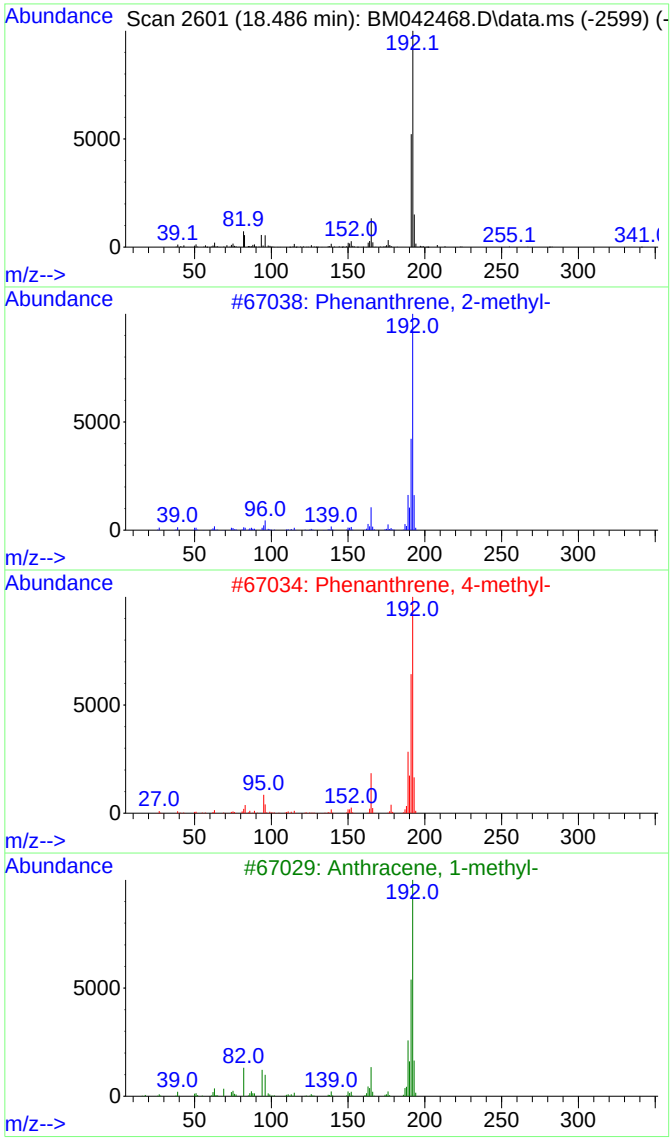
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

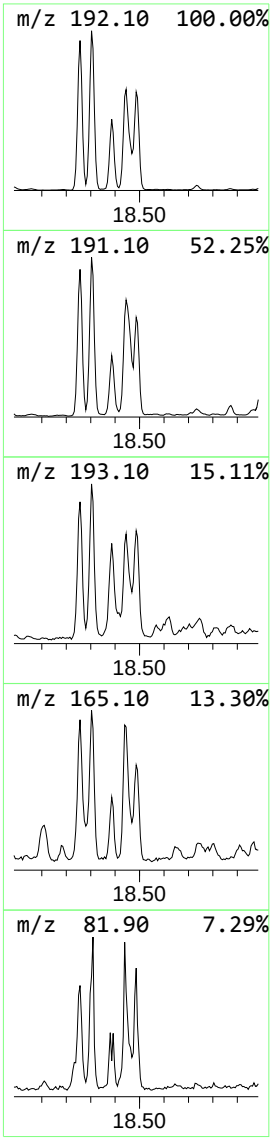
****

Peak Number 13 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.486	4.61 ng	549593	Phenanthrene-d10	17.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Sample : 04805-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DUP-02

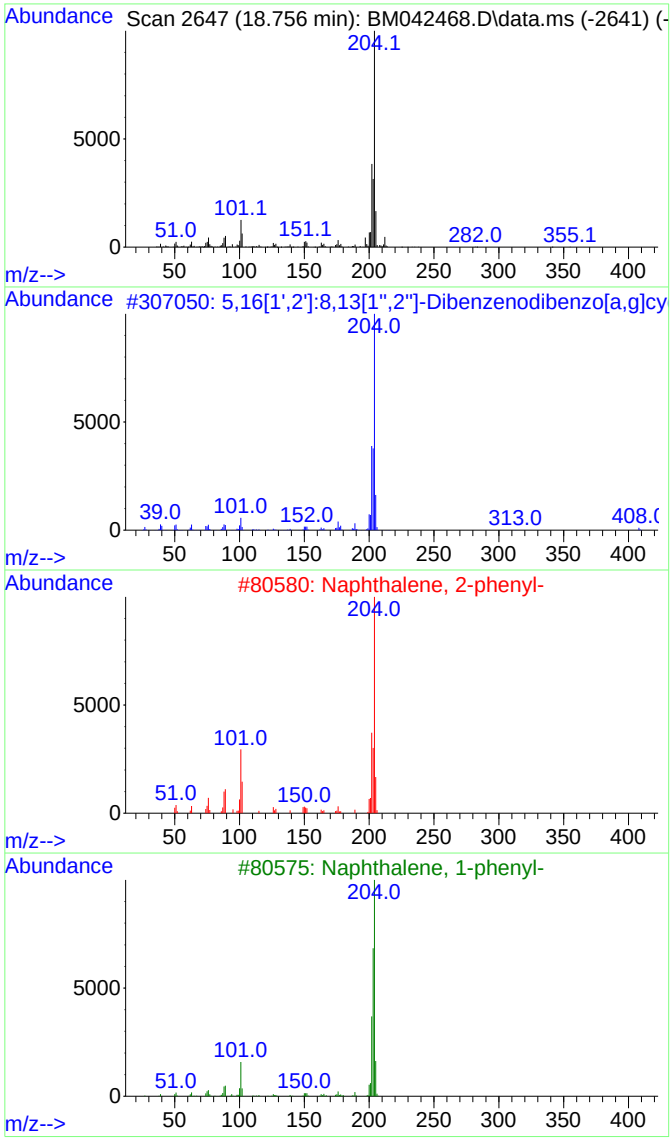
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

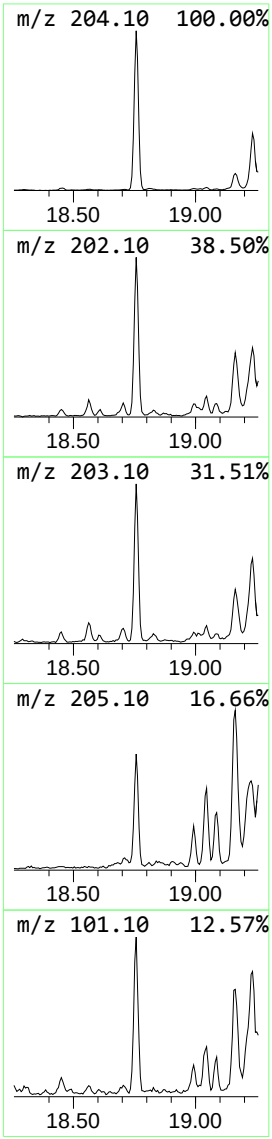
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.756	4.88 ng	581351	Phenanthrene-d10	17.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.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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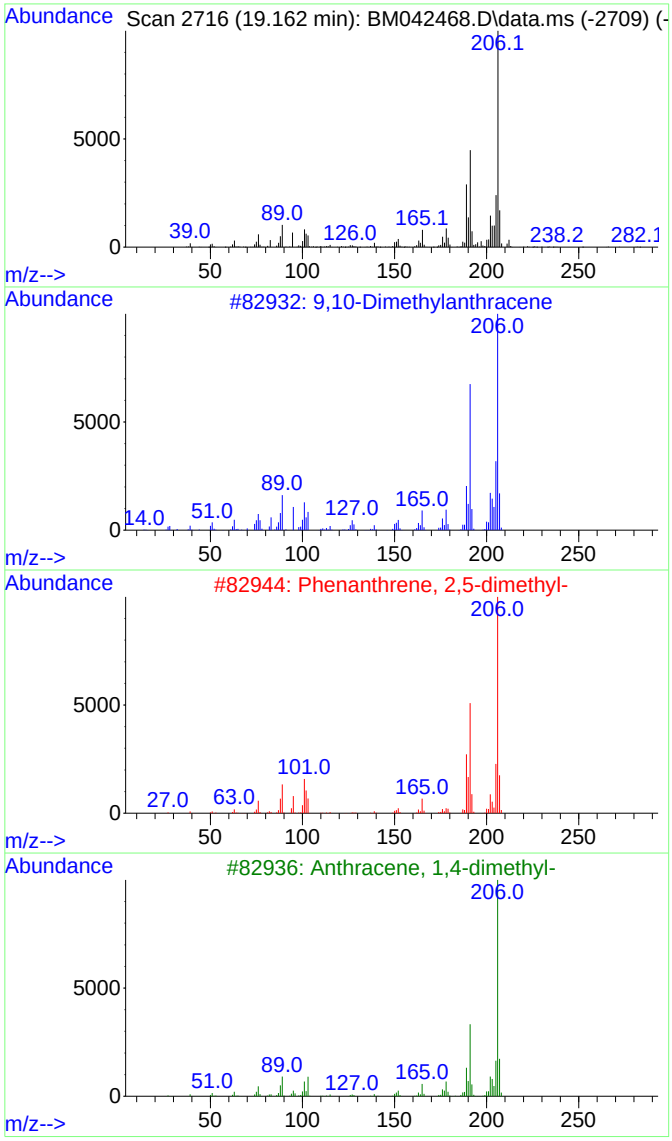
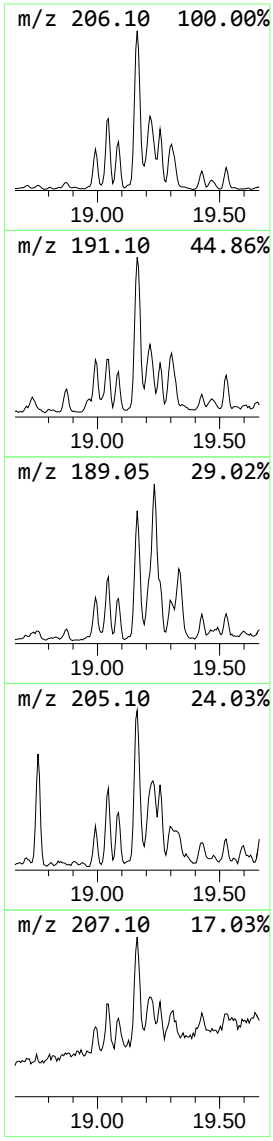
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.162	6.50 ng	774980	Phenanthrene-d10	17.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	97
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	94
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91





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Acq On : 27 Oct 2023 00:42
Operator : MA/JU
Sample : 04805-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DUP-02

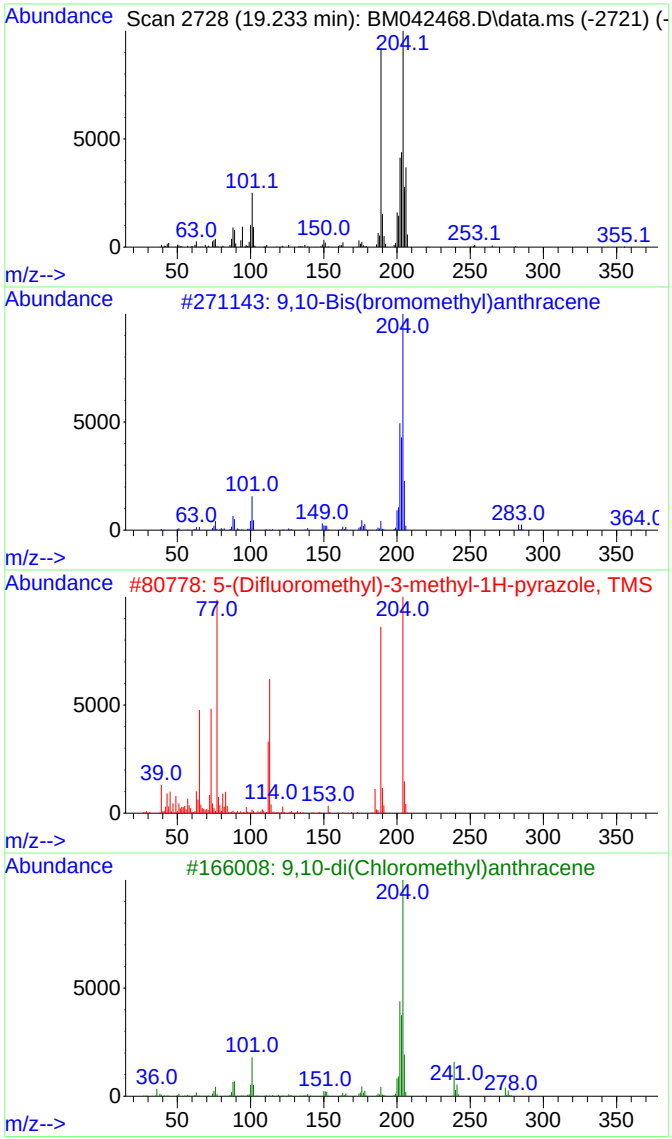
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

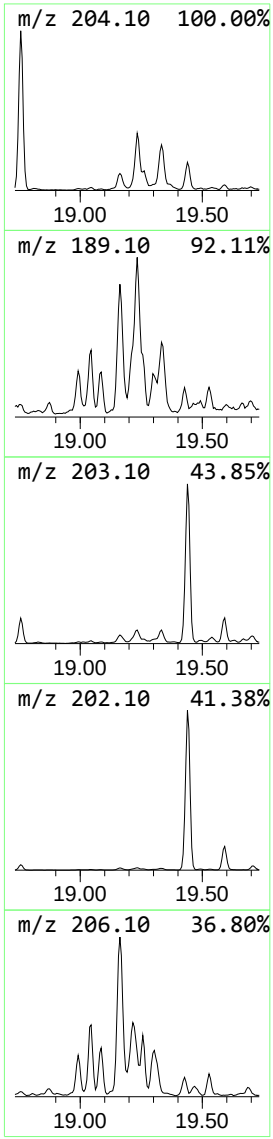
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 9,10-Bis(bromomethyl)anthra... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.233	2.84 ng	338254	Phenanthrene-d10	17.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52
2	5-(Difluoromethyl)-3-methyl-1H-p...	204	C8H14F2N2Si	1000498-58-2	47
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	47
4	1H-Indol-6-ylamine, TMS derivative	204	C11H16N2Si	1000484-86-1	46
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
Data File : BM042468.D
Acq On : 27 Oct 2023 00:42
Operator : MA/JU
Sample : 04805-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DUP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.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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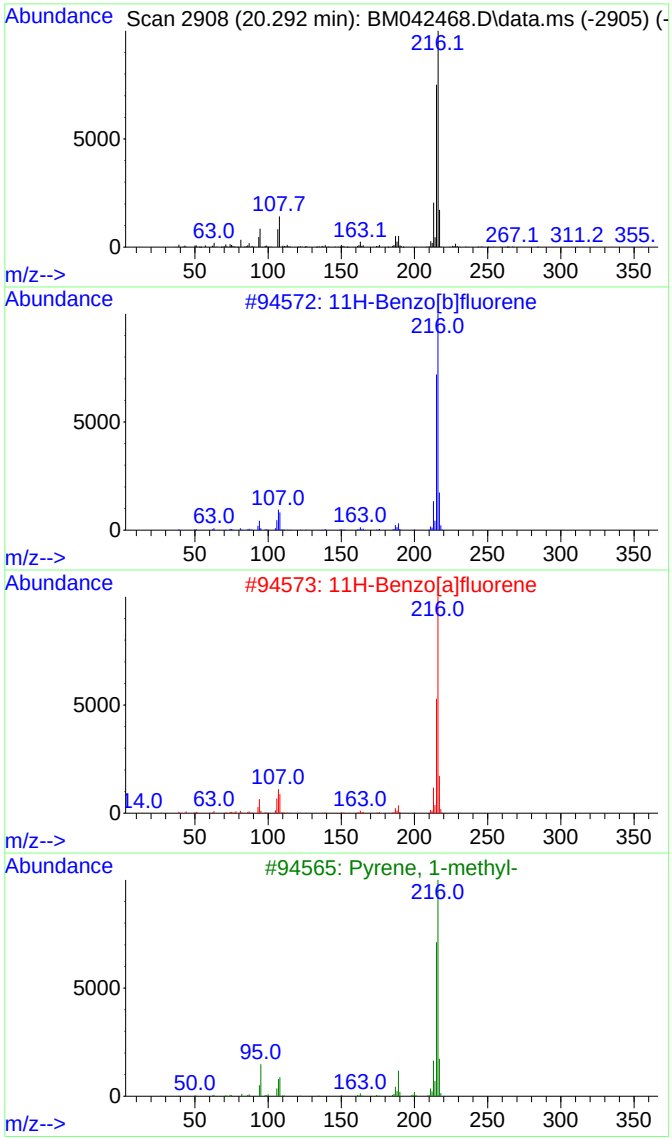
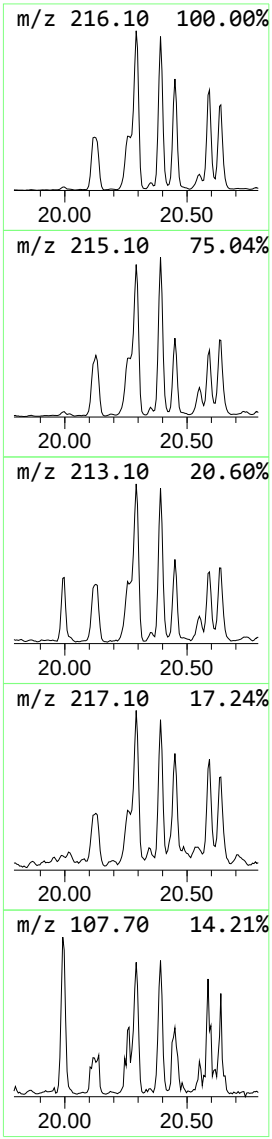
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.292	4.10 ng	841462	Chrysene-d12	21.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
Data File : BM042468.D
Acq On : 27 Oct 2023 00:42
Operator : MA/JU
Sample : 04805-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DUP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.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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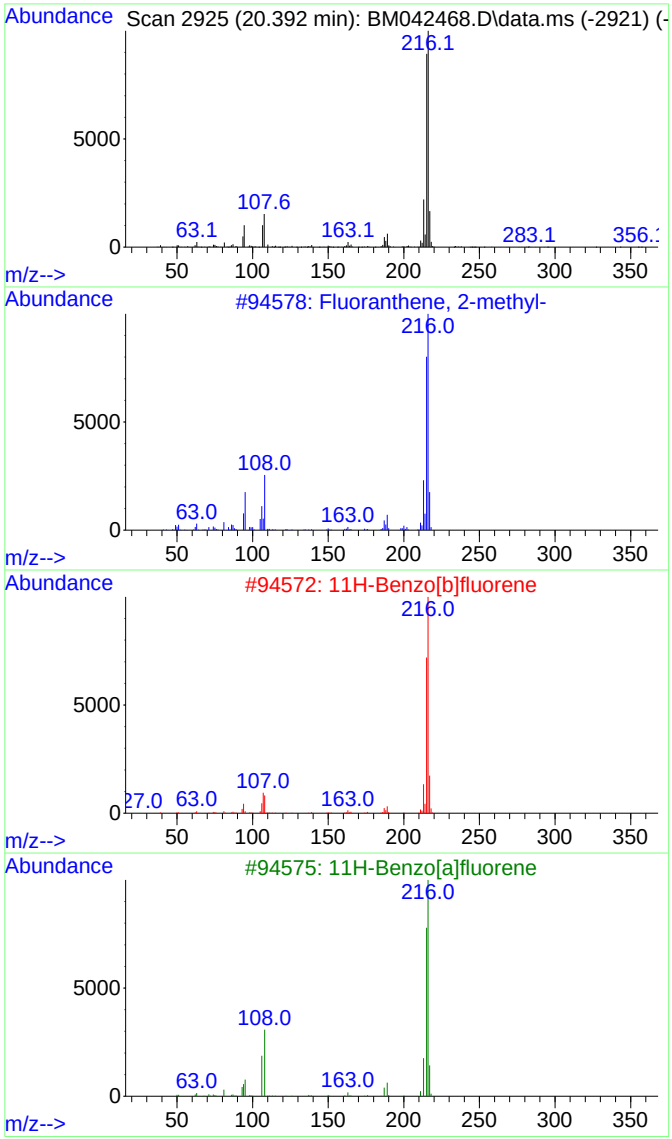
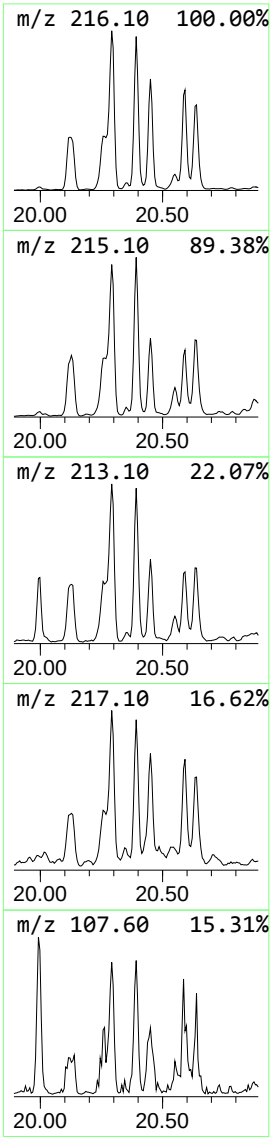
Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.392	3.03 ng	621798	Chrysene-d12	21.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
Data File : BM042468.D
Acq On : 27 Oct 2023 00:42
Operator : MA/JU
Sample : 04805-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DUP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.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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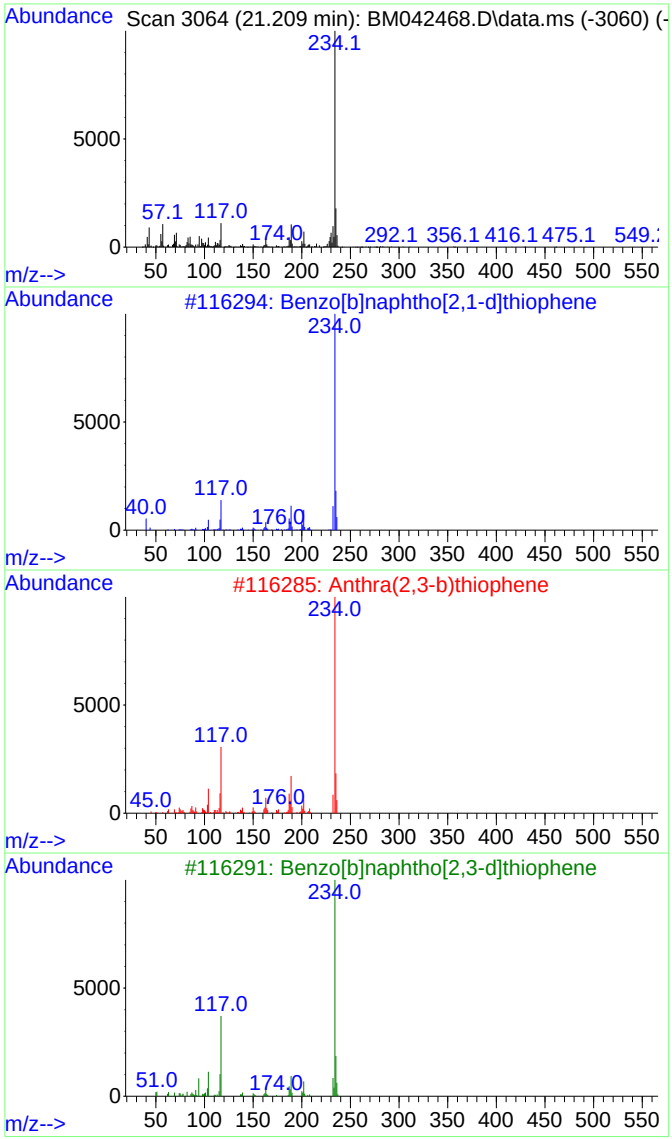
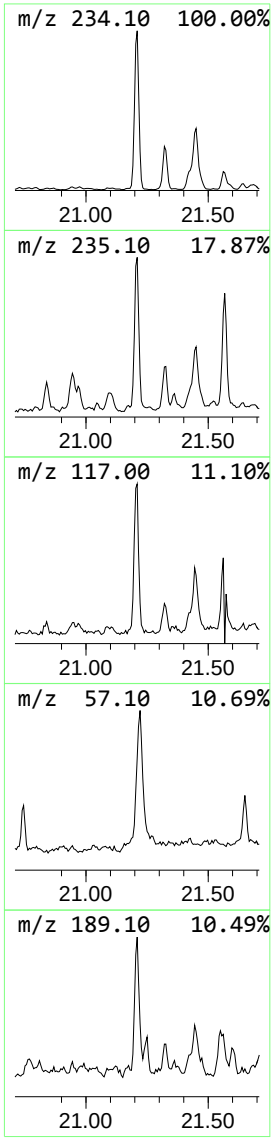
Peak Number 19 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.209	4.36 ng	894109	Chrysene-d12	21.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	96
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	72





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Data File : BM042468.D
Acq On : 27 Oct 2023 00:42
Operator : MA/JU
Sample : 04805-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DUP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.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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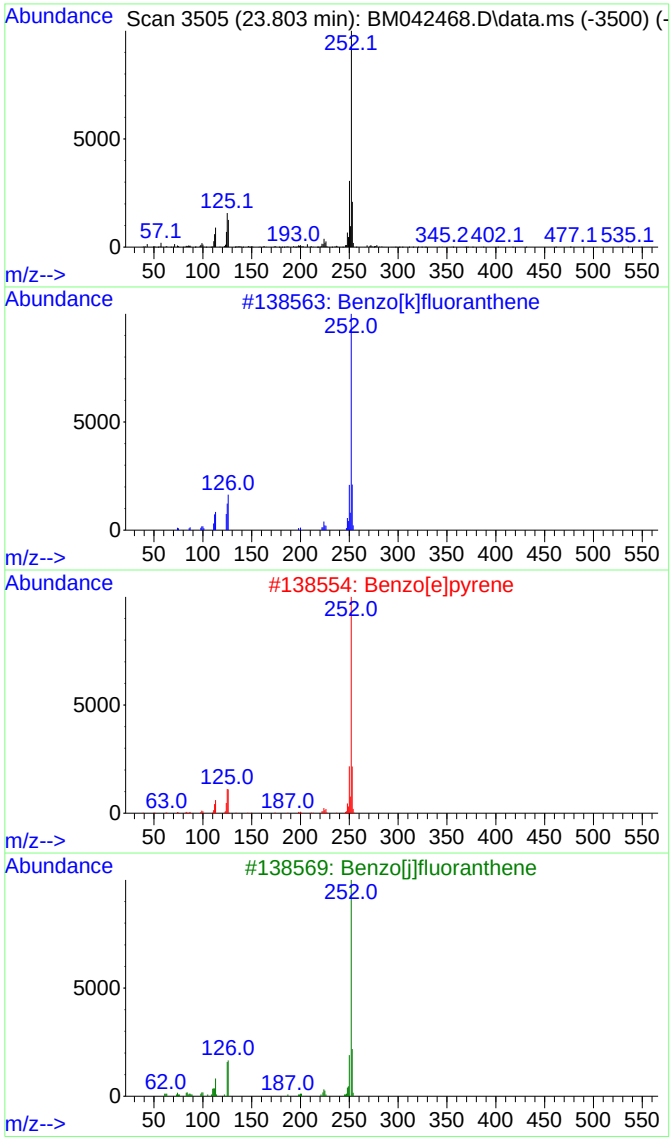
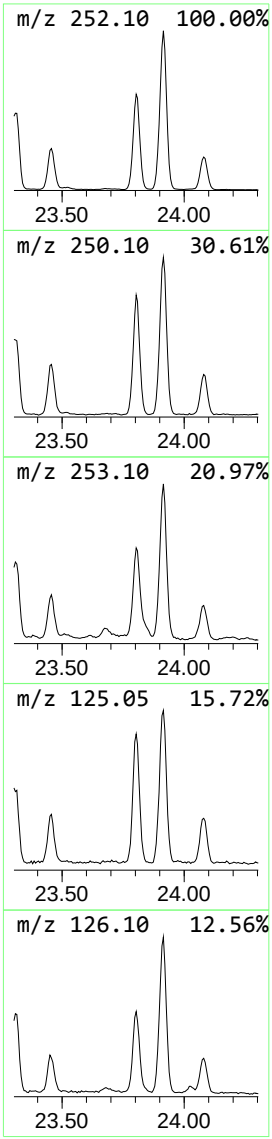
Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.803	13.30 ng	1046960	Perylene-d12	24.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	99
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
5	Perylene	252	C20H12	000198-55-0	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
Data File : BM042468.D
Acq On : 27 Oct 2023 00:42
Operator : MA/JU
Sample : 04805-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DUP-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.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-...	5.075	9.0	ng	598533	1	7.992	1336760	20.0
Naphthalene, 2,...	13.804	3.1	ng	333060	3	14.633	2147050	20.0
Naphthalene, 2,...	13.951	4.1	ng	436523	3	14.633	2147050	20.0
9H-Fluorene, 2-...	16.674	3.2	ng	386089	4	17.386	2384360	20.0
Dibenzothiophene	17.204	5.0	ng	595333	4	17.386	2384360	20.0
1-Methyldibenzo...	17.962	3.9	ng	467752	4	17.386	2384360	20.0
4-Methylnaphtho...	18.109	3.6	ng	423878	4	17.386	2384360	20.0
n-Hexadecanoic ...	18.233	4.5	ng	530255	4	17.386	2384360	20.0
Phenanthrene, 4...	18.256	8.4	ng	1002590	4	17.386	2384360	20.0
Phenanthrene, 2...	18.304	8.1	ng	960816	4	17.386	2384360	20.0
1H-Cyclopropa[l...	18.386	3.2	ng	382055	4	17.386	2384360	20.0
4H-Cyclopenta[d...	18.456	14.2	ng	1687840	4	17.386	2384360	20.0
Anthracene, 1-m...	18.486	4.6	ng	549593	4	17.386	2384360	20.0
5,16[1',2']:8,1...	18.756	4.9	ng	581351	4	17.386	2384360	20.0
9,10-Dimethylan...	19.162	6.5	ng	774980	4	17.386	2384360	20.0
9,10-Bis(bromom...	19.233	2.8	ng	338254	4	17.386	2384360	20.0
11H-Benzo[b]flu...	20.292	4.1	ng	841462	5	21.562	4104570	20.0
Fluoranthene, 2...	20.392	3.0	ng	621798	5	21.562	4104570	20.0
Benzo[b]naphtho...	21.209	4.4	ng	894109	5	21.562	4104570	20.0
Benzo[e]pyrene	23.803	13.3	ng	1046960	6	24.027	1574350	20.0