LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
Data File : BM044768.D
Acq On : 26 Mar 2024 14:47
Operator : MA/JU
Sample : P1865-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : VNJ-235

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-BM031324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM044768.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.298	369	376	385	rBV	2317712	3356764	25.75%	2.191%
2	6.869	635	643	653	rBV	2220533	3463223	26.56%	2.261%
3	7.687	775	782	790	rBV	691944	1076170	8.25%	0.703%
4	8.845	971	979	989	rBV	1255208	2155618	16.53%	1.407%
5	10.469	1245	1255	1260	rBV	832023	1455520	11.16%	0.950%
6	10.516	1260	1263	1269	rVB	134704	202321	1.55%	0.132%
7	12.133	1530	1538	1545	rBV	100658	168572	1.29%	0.110%
8	12.357	1568	1576	1585	rVB	110687	194904	1.49%	0.127%
9	12.945	1669	1676	1692	rVB	2602164	4004966	30.72%	2.614%
10	13.651	1790	1796	1801	rBV	140466	254043	1.95%	0.166%
11	13.704	1801	1805	1813	rVB	86908	137604	1.06%	0.090%
12	13.786	1814	1819	1829	rBV2	81863	153596	1.18%	0.100%
13	14.057	1858	1865	1877	rBV	660133	1070254	8.21%	0.699%
14	14.333	1904	1912	1918	rBV	1144990	1743597	13.37%	1.138%
15	14.398	1918	1923	1932	rVB	310523	475134	3.64%	0.310%
16	14.733	1973	1980	1989	rBV	269353	471575	3.62%	0.308%
17	14.951	2009	2017	2023	rBV3	92572	192226	1.47%	0.125%
18	15.127	2039	2047	2050	rBV4	64585	151305	1.16%	0.099%
19	15.210	2056	2061	2067	rVB2	86535	140121	1.07%	0.091%
20	15.386	2086	2091	2104	rVB	627506	1068436	8.19%	0.697%
21	15.686	2137	2142	2147	rBV	176919	271496	2.08%	0.177%
22	15.833	2158	2167	2175	rBV	2543766	3843999	29.48%	2.509%
23	16.068	2201	2207	2214	rBV5	123782	231007	1.77%	0.151%
24	16.398	2255	2263	2267	rBV3	226637	461783	3.54%	0.301%
25	16.445	2267	2271	2277	rVB	118969	169785	1.30%	0.111%
26	16.545	2284	2288	2293	rVB2	115986	173627	1.33%	0.113%
27	16.627	2298	2302	2305	rVV2	102249	144085	1.11%	0.094%
28	16.668	2305	2309	2312	rVB2	117974	156808	1.20%	0.102%
29	16.751	2319	2323	2329	rVB3	103169	166261	1.28%	0.109%
30	16.821	2330	2335	2343	rVV2	148018	320426	2.46%	0.209%
31	16.909	2345	2350	2361	rVB	335482	541578	4.15%	0.354%
32	17.092	2375	2381	2384	rBV	1298871	1945445	14.92%	1.270%
33	17.139	2384	2389	2396	rVV	5627394	7948283	60.96%	5.189%
34	17.227	2398	2404	2409	rVV	1691443	2378433	18.24%	1.553%
35	17.280	2409	2413	2419	rVV3	183676	345231	2.65%	0.225%
36	17.504	2443	2451	2464	rBV	305270	682552	5.23%	0.446%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
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Operator : MA/JU
Sample : P1865-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VNJ-235

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-BM031324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.615	2465	2470	2475	rVV2	181416	312363	2.40%	0.204%
38	17.674	2475	2480	2487	rVB4	176448	349568	2.68%	0.228%
39	17.809	2500	2503	2511	rVB	105457	185836	1.43%	0.121%
40	17.968	2525	2530	2533	rBV	937651	1342922	10.30%	0.877%
41	18.009	2533	2537	2546	rVV2	1939710	3578264	27.44%	2.336%
42	18.098	2547	2552	2557	rVV	560262	783452	6.01%	0.511%
43	18.162	2557	2563	2567	rVV2	1564825	2804176	21.51%	1.831%
44	18.198	2567	2569	2577	rVB	680099	915118	7.02%	0.597%
45	18.286	2580	2584	2588	rBV3	110049	163603	1.25%	0.107%
46	18.368	2594	2598	2602	rVB4	98040	137621	1.06%	0.090%
47	18.474	2612	2616	2620	rBV	647408	867766	6.66%	0.566%
48	18.521	2620	2624	2629	rVB	385881	518505	3.98%	0.338%
49	18.721	2655	2658	2662	rVV	166833	212322	1.63%	0.139%
50	18.774	2663	2667	2670	rVV	273799	360238	2.76%	0.235%
51	18.809	2670	2673	2677	rVB	228499	301728	2.31%	0.197%
52	18.892	2682	2687	2692	rBV	637483	1131271	8.68%	0.738%
53	18.956	2695	2698	2701	rVV3	444439	686161	5.26%	0.448%
54	18.986	2701	2703	2707	rVB	259598	289586	2.22%	0.189%
55	19.039	2707	2712	2719	rBV3	342003	726323	5.57%	0.474%
56	19.162	2726	2733	2740	rBV	9250505	13038301	100.00%	8.511%
57	19.227	2741	2744	2747	rVV	178433	222503	1.71%	0.145%
58	19.262	2747	2750	2752	rVV3	199319	268156	2.06%	0.175%
59	19.292	2752	2755	2763	rVB2	1146575	2295214	17.60%	1.498%
60	19.403	2770	2774	2777	rBV	220008	295597	2.27%	0.193%
61	19.492	2784	2789	2791	rBV	1341793	1906674	14.62%	1.245%
62	19.527	2791	2795	2803	rVV	7652696	11077698	84.96%	7.232%
63	19.598	2803	2807	2813	rVB2	408967	691407	5.30%	0.451%
64	19.703	2821	2825	2826	rBV	470414	517744	3.97%	0.338%
65	19.733	2826	2830	2834	rVV	4231085	5381808	41.28%	3.513%
66	19.768	2834	2836	2841	rVB	338883	428840	3.29%	0.280%
67	19.850	2844	2850	2857	rBV4	612046	1578106	12.10%	1.030%
68	19.986	2868	2873	2875	rBV4	555397	949375	7.28%	0.620%
69	20.021	2875	2879	2884	rVB	1603068	2330332	17.87%	1.521%
70	20.121	2892	2896	2900	rBV	1394946	1770096	13.58%	1.156%
71	20.180	2900	2906	2910	rVB2	872466	1371766	10.52%	0.895%
72	20.262	2917	2920	2926	rBV4	173180	412130	3.16%	0.269%
73	20.321	2926	2930	2933	rVV2	470755	620076	4.76%	0.405%
74	20.362	2933	2937	2942	rVV	498456	745325	5.72%	0.487%
75	20.733	2996	3000	3003	rBV2	259889	420102	3.22%	0.274%
76	20.774	3003	3007	3013	rVB	484977	792442	6.08%	0.517%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
Data File : BM044768.D
Acq On : 26 Mar 2024 14:47
Operator : MA/JU
Sample : P1865-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VNJ-235

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-BM031324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.939	3031	3035	3038	rBV	576985	796876	6.11%	0.520%
78	20.974	3038	3041	3044	rVV	793860	880849	6.76%	0.575%
79	21.015	3044	3048	3053	rVV3	1004971	1577545	12.10%	1.030%
80	21.074	3055	3058	3068	rVB	529353	813875	6.24%	0.531%
81	21.280	3088	3093	3098	rBV2	5417350	9279652	71.17%	6.058%
82	21.333	3098	3102	3108	rVB	4093586	5355151	41.07%	3.496%
83	21.444	3118	3121	3127	rBV	562443	753121	5.78%	0.492%
84	21.497	3127	3130	3135	rVV2	445988	536713	4.12%	0.350%
85	21.844	3186	3189	3193	rVB	849677	1060707	8.14%	0.692%
86	21.897	3195	3198	3204	rVB	497371	692662	5.31%	0.452%
87	22.039	3219	3222	3225	rBV	420007	593140	4.55%	0.387%
88	22.074	3226	3228	3234	rVB3	614306	741953	5.69%	0.484%
89	22.874	3357	3364	3369	rBV	3135165	7473161	57.32%	4.879%
90	23.038	3388	3392	3399	rVB	717323	1185402	9.09%	0.774%
91	23.350	3440	3445	3454	rVB	1716575	3402032	26.09%	2.221%
92	23.450	3455	3462	3469	rVV	3098525	5715819	43.84%	3.731%
93	23.538	3473	3477	3482	rVV	1202294	2412535	18.50%	1.575%
94	23.591	3482	3486	3494	rVB2	835370	1666492	12.78%	1.088%
95	25.815	3857	3864	3874	rVB2	1346122	3750370	28.76%	2.448%

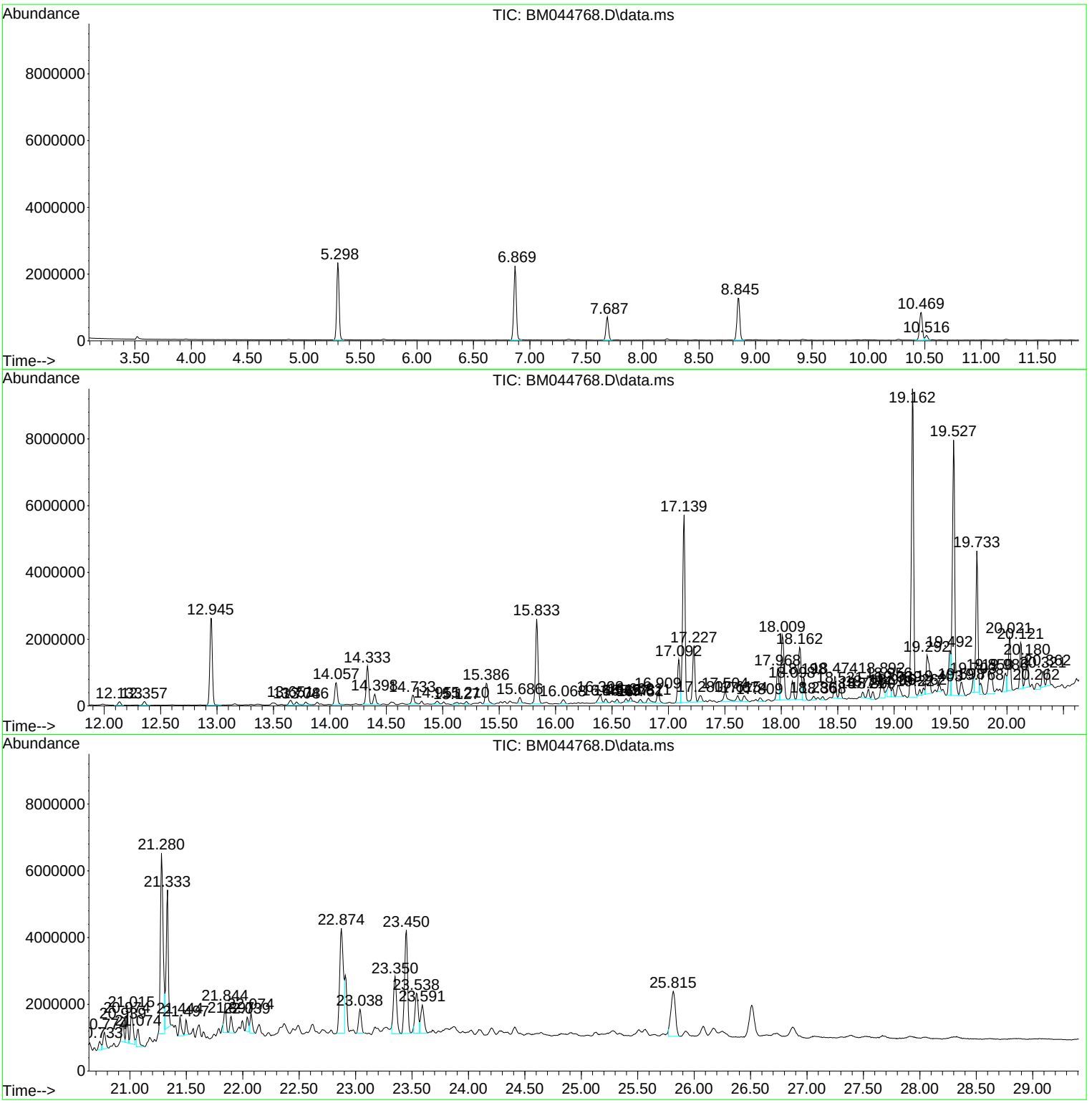
Sum of corrected areas: 153185318

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
Data File : BM044768.D
Acq On : 26 Mar 2024 14:47
Operator : MA/JU
Sample : P1865-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.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\BM032624\
Data File : BM044768.D
Acq On : 26 Mar 2024 14:47
Operator : MA/JU
Sample : P1865-01
Misc :
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Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

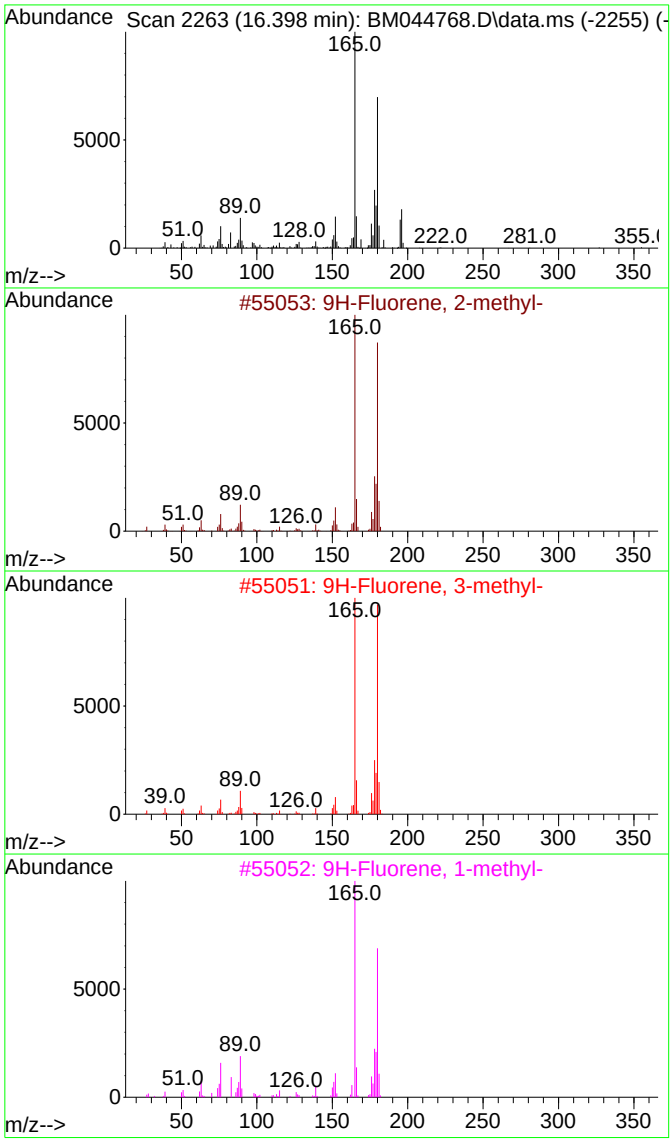
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

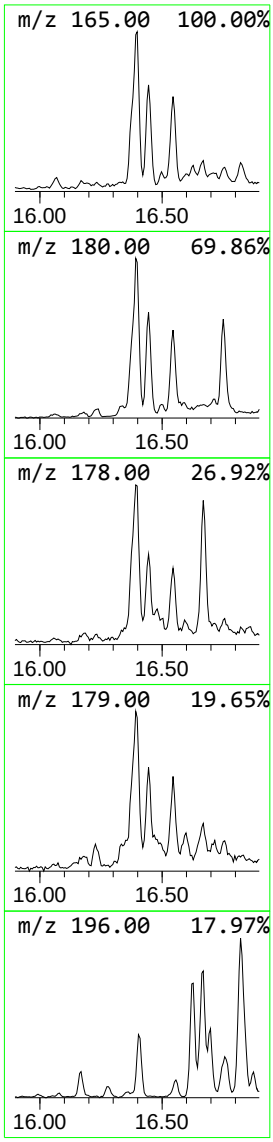
****

Peak Number 1 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.398	4.75 ng	461783	Phenanthrene-d10	17.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
Data File : BM044768.D
Acq On : 26 Mar 2024 14:47
Operator : MA/JU
Sample : P1865-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VNJ-235

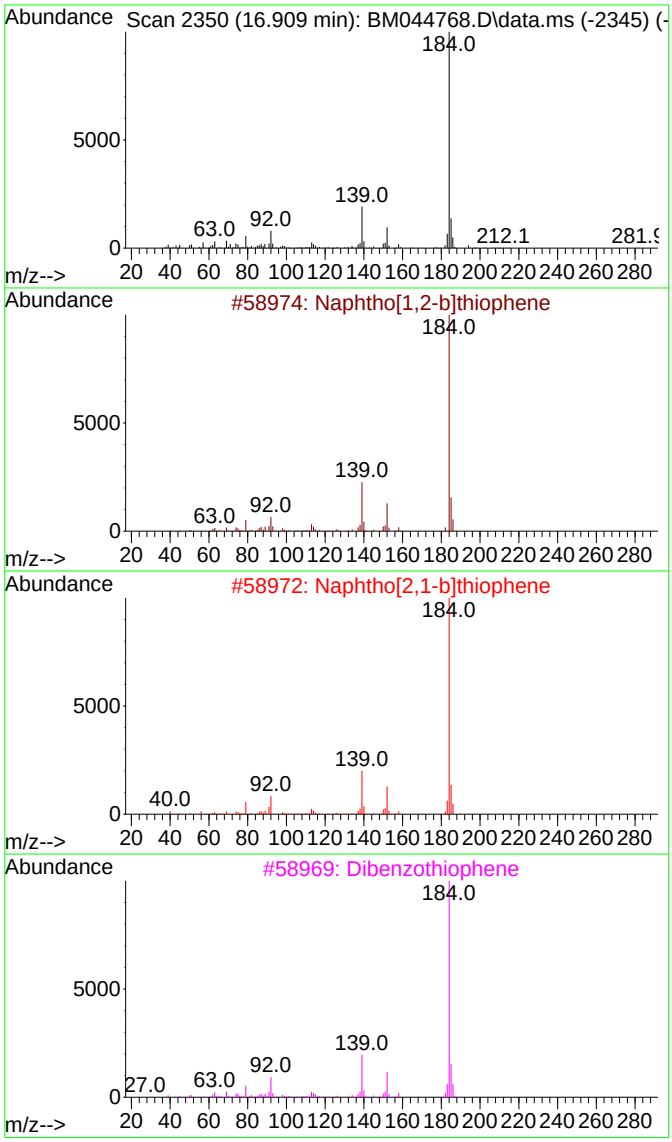
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

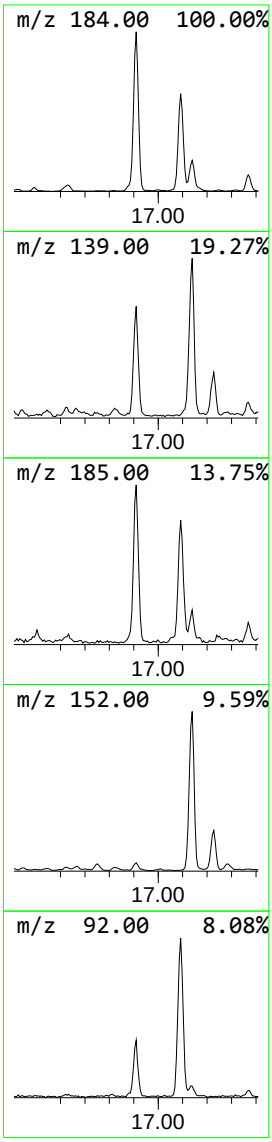
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphtho[1,2-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.910	5.57 ng	541578	Phenanthrene-d10	17.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3	Dibenzothiophene	184	C12H8S	000132-65-0	97
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
Data File : BM044768.D
Acq On : 26 Mar 2024 14:47
Operator : MA/JU
Sample : P1865-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

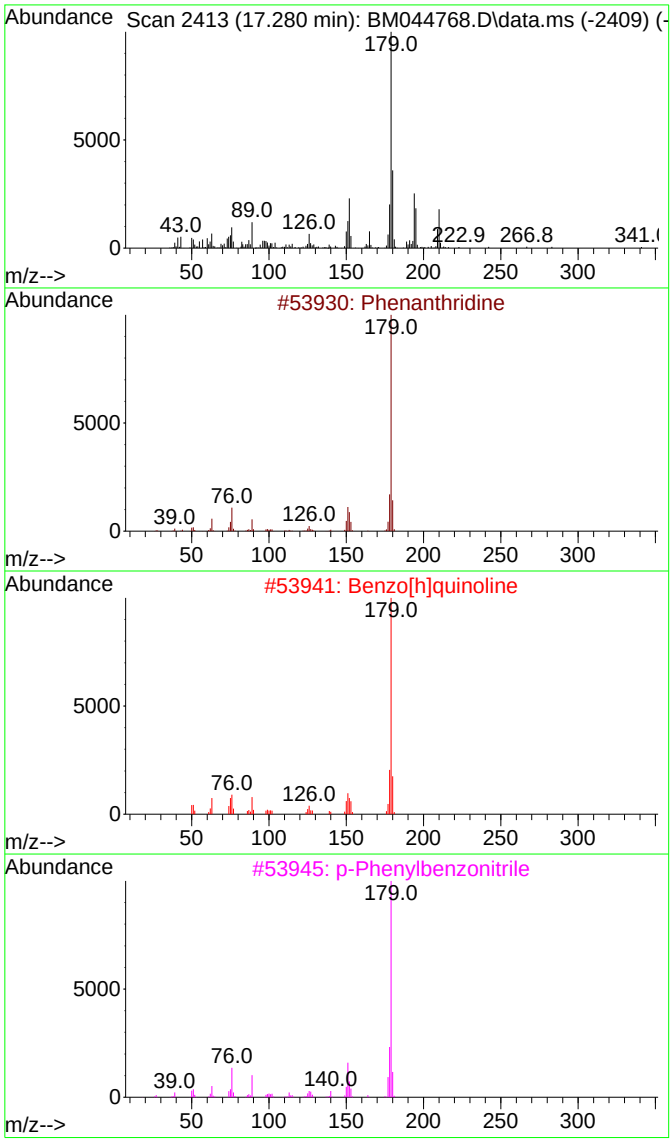
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

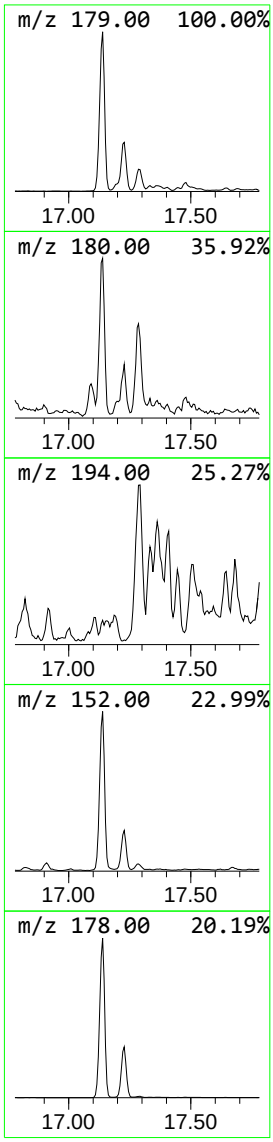
****

Peak Number 3 Phenanthridine Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.280	3.55 ng	345231	Phenanthrene-d10	17.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthridine	179	C13H9N	000229-87-8	64
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	64
3	p-Phenylbenzonitrile	179	C13H9N	002920-38-9	64
4	Acridine	179	C13H9N	000260-94-6	62
5	Benzo[g]quinoline	179	C13H9N	000260-36-6	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
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Acq On : 26 Mar 2024 14:47
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Sample : P1865-01
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VNJ-235

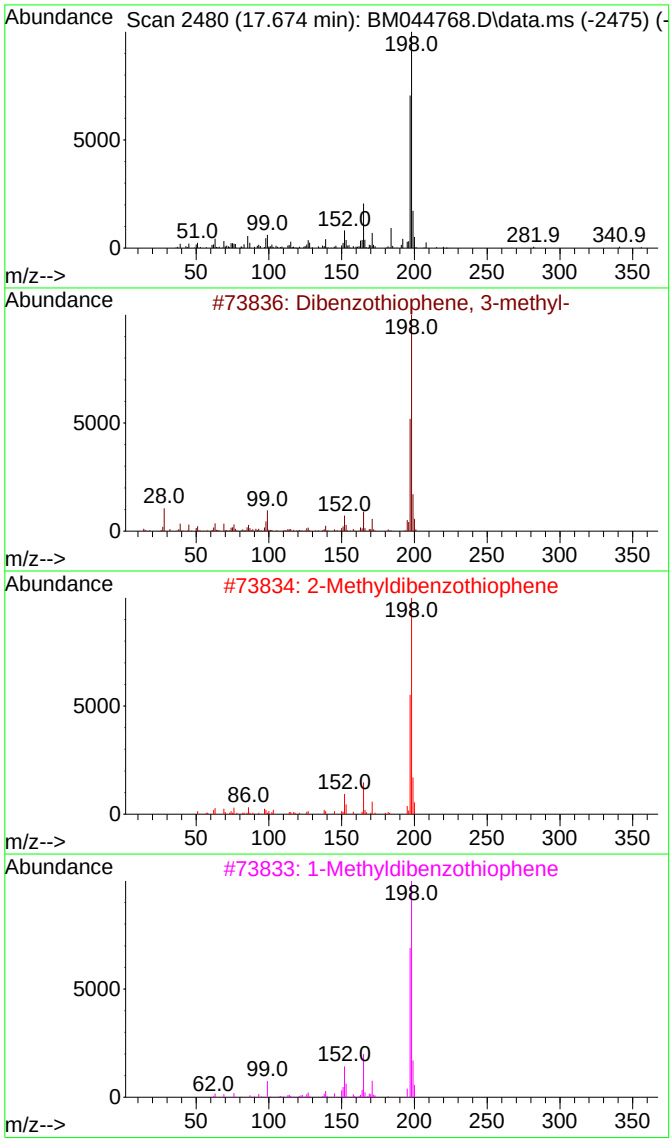
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

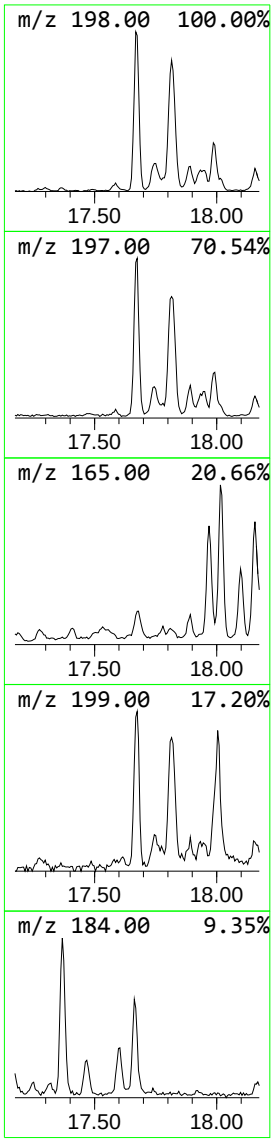
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Dibenzothiophene, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.674	3.59 ng	349568	Phenanthrene-d10	17.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
5	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
Data File : BM044768.D
Acq On : 26 Mar 2024 14:47
Operator : MA/JU
Sample : P1865-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

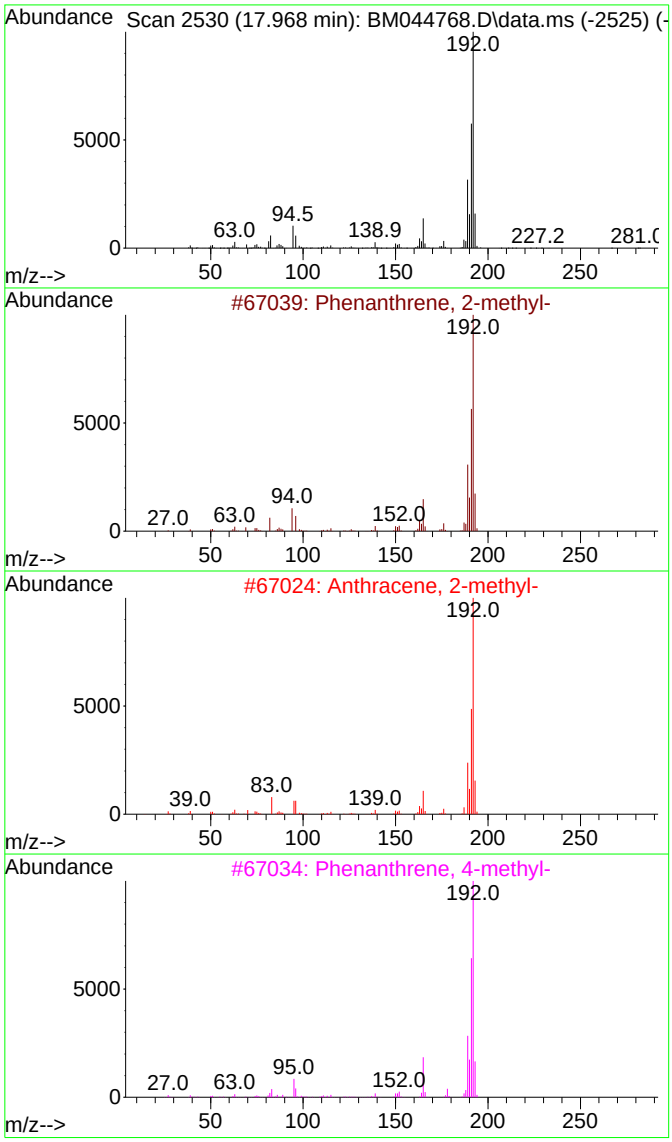
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

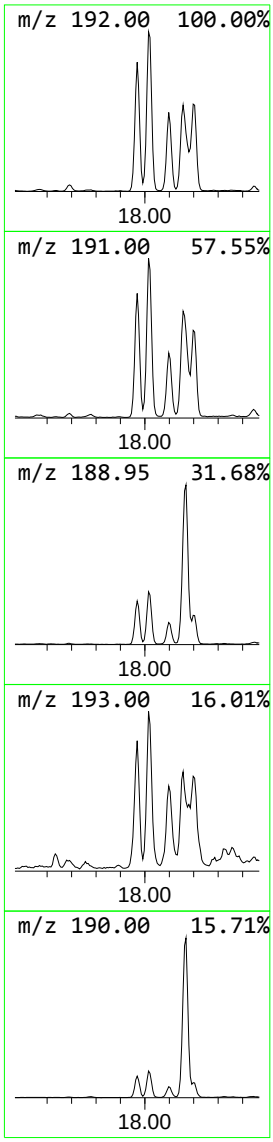
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.968	13.81 ng	1342920	Phenanthrene-d10	17.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
Data File : BM044768.D
Acq On : 26 Mar 2024 14:47
Operator : MA/JU
Sample : P1865-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

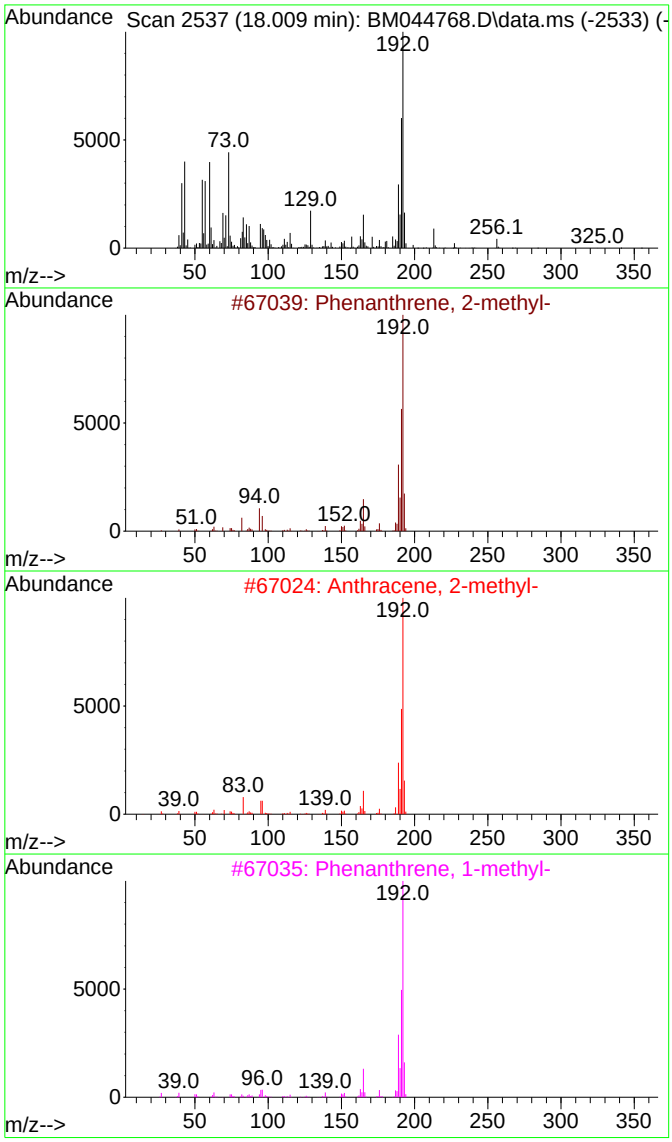
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

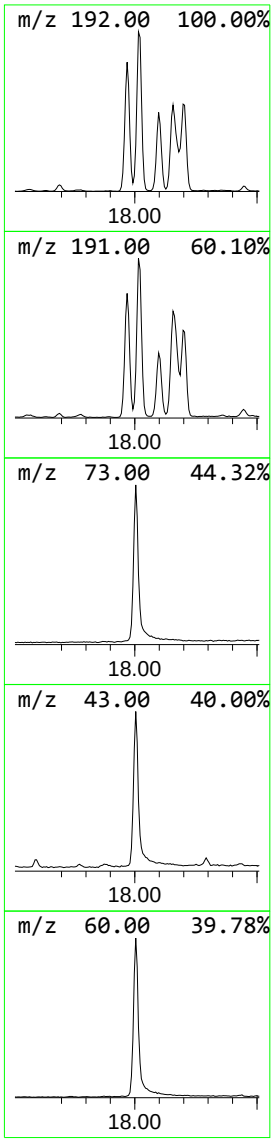
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.009	36.79 ng	3578260	Phenanthrene-d10	17.092

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	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Operator : MA/JU
Sample : P1865-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

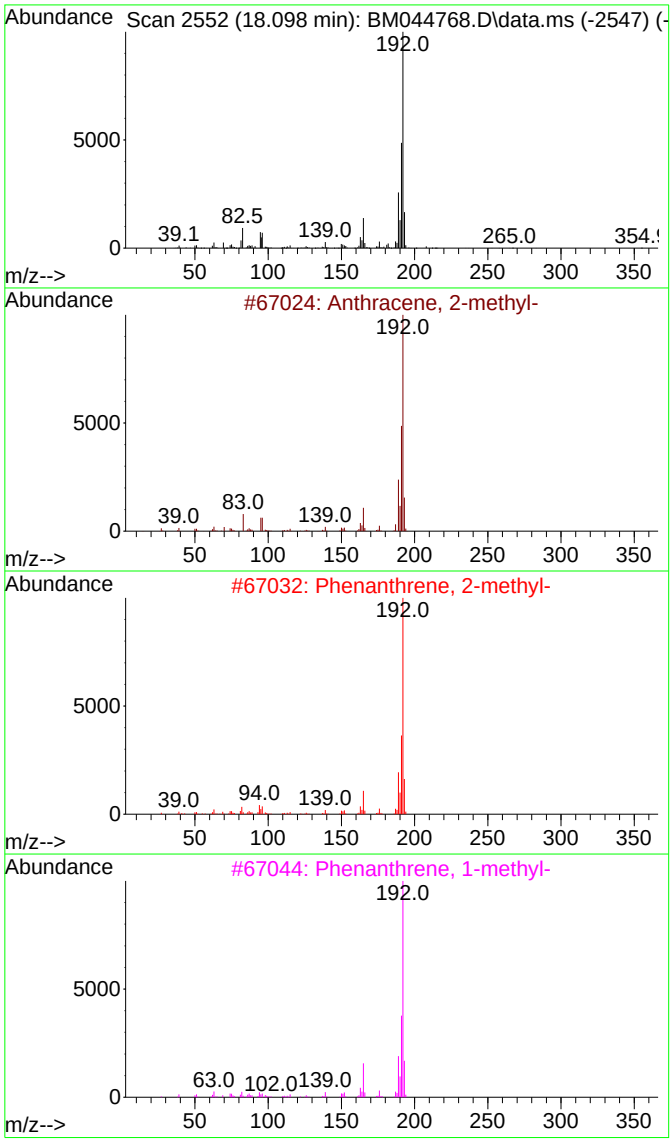
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

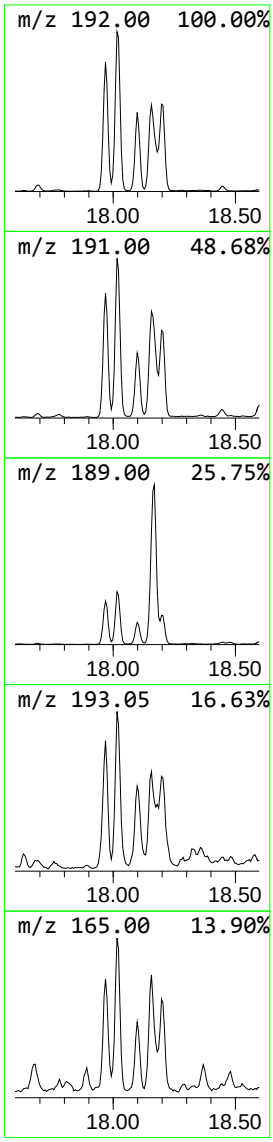
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.098	8.05 ng	783452	Phenanthrene-d10	17.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Sample : P1865-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VNJ-235

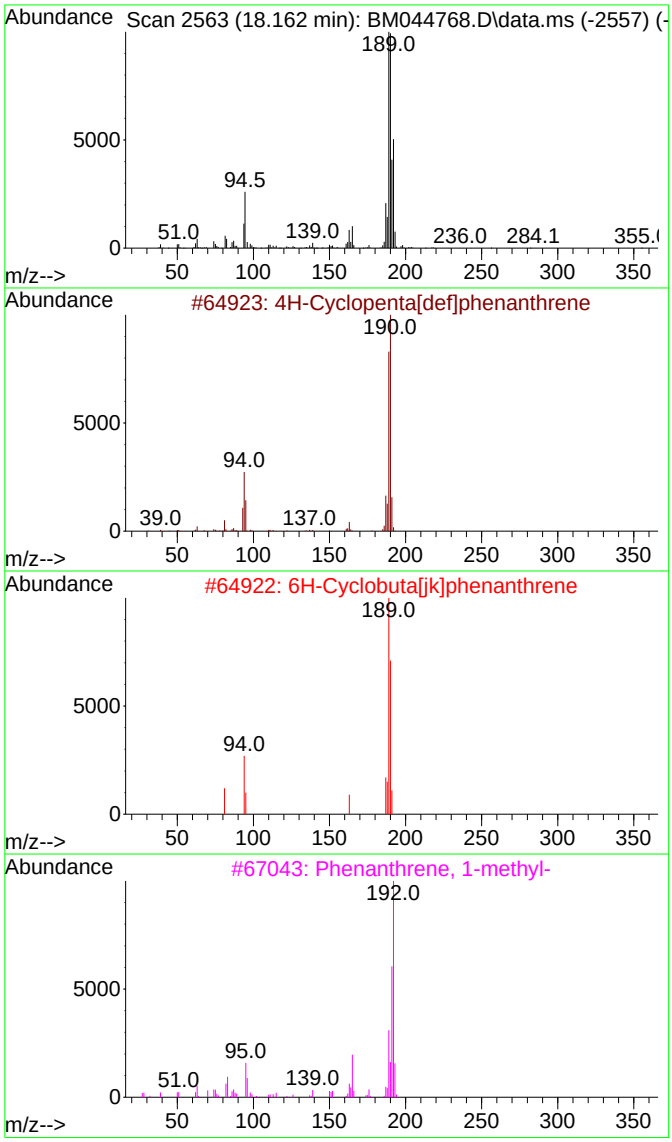
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

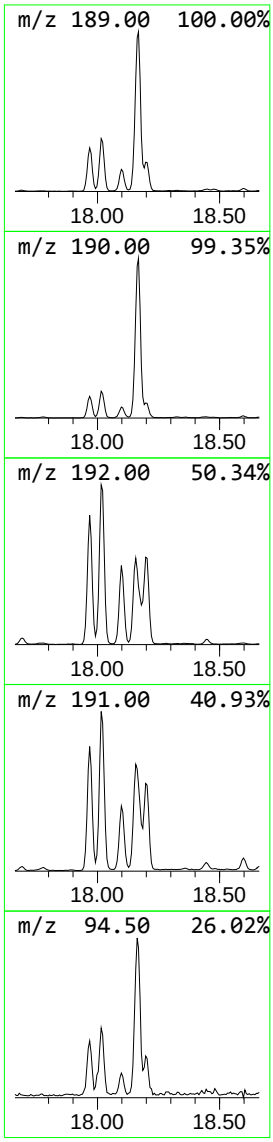
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.162	28.83 ng	2804180	Phenanthrene-d10	17.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	18
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	18
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	18





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Sample : P1865-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.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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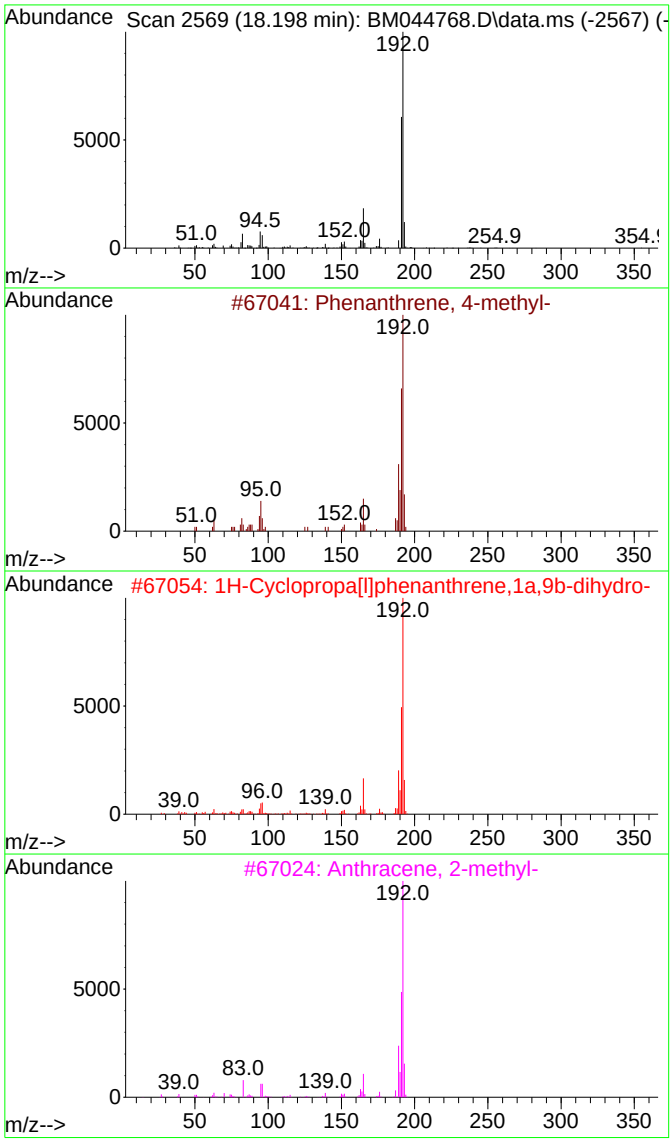
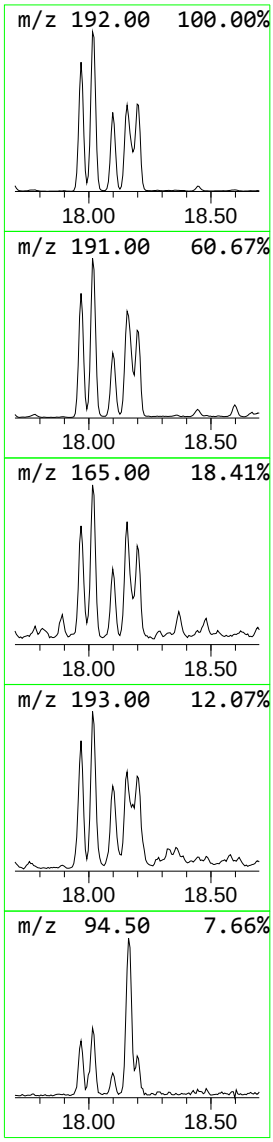
Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.198	9.41 ng	915118	Phenanthrene-d10	17.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83





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Instrument :
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ClientSampleId :
VNJ-235

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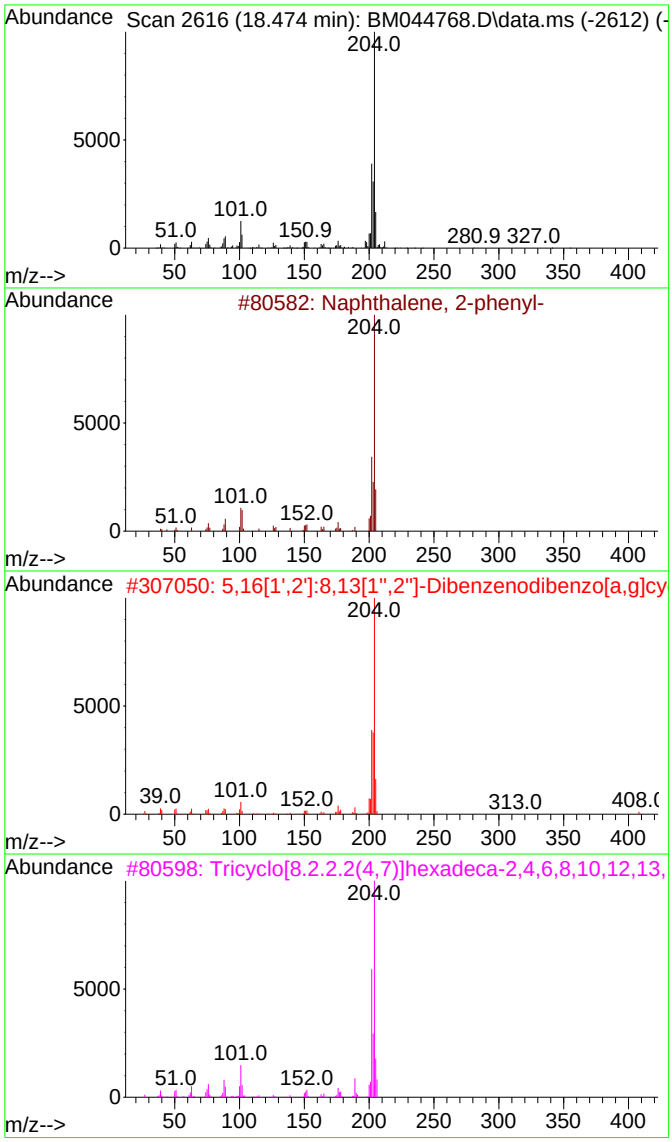
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

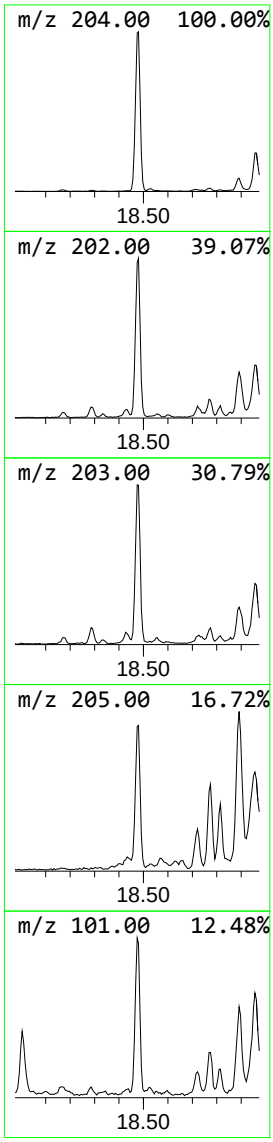
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.474	8.92 ng	867766	Phenanthrene-d10	17.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	53





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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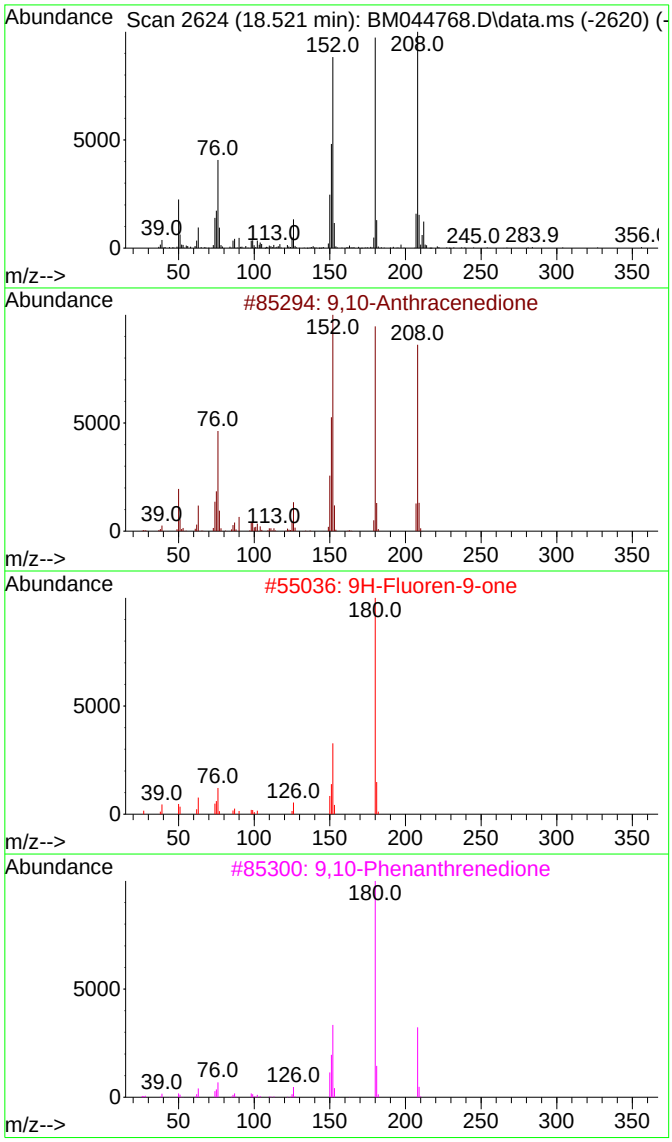
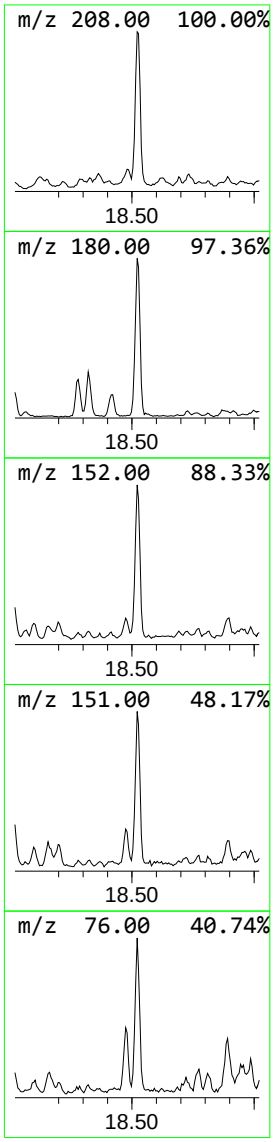
Peak Number 11 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.521	5.33 ng	518505	Phenanthrene-d10	17.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	90
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





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Sample : P1865-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.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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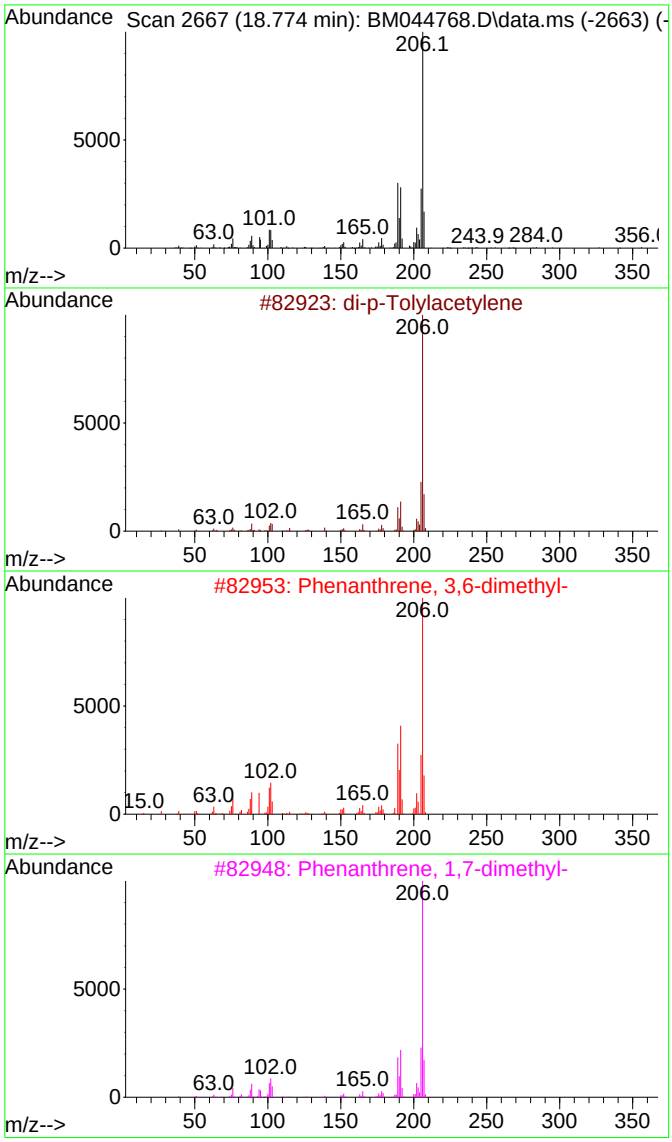
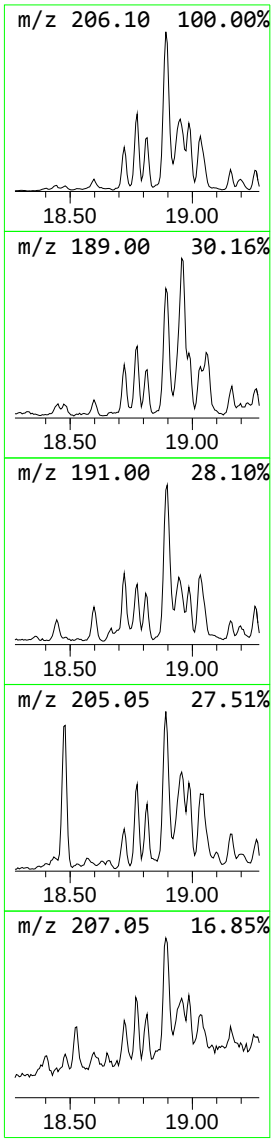
Peak Number 12 di-p-Tolylacetylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.774	3.70 ng	360238	Phenanthrene-d10	17.092

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	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89





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Sample : P1865-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VNJ-235

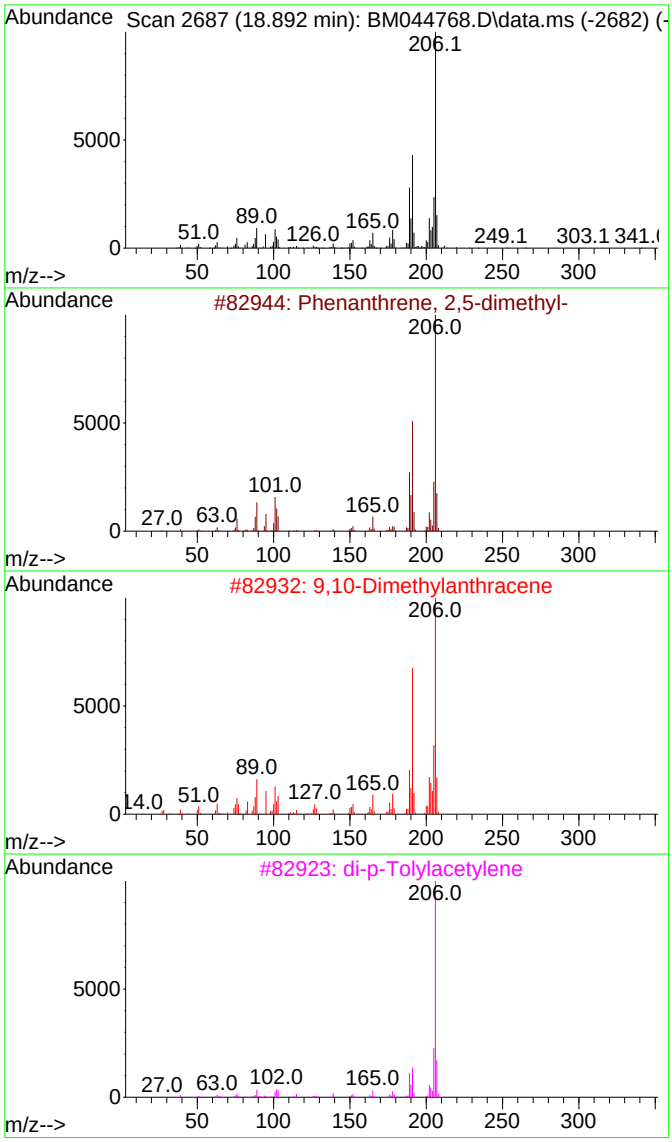
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

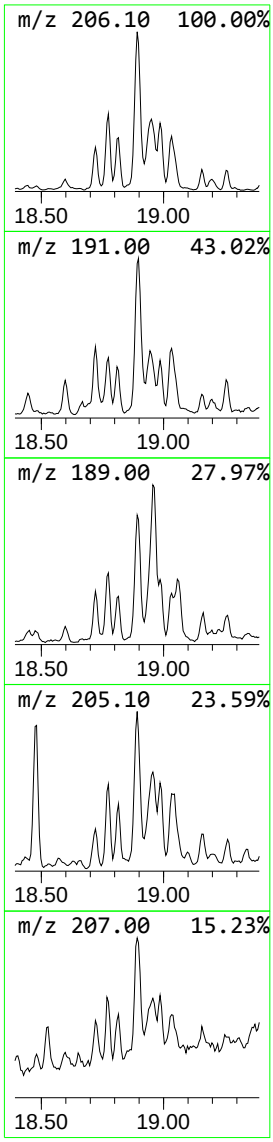
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.892	11.63 ng	1131270	Phenanthrene-d10	17.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	97
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93





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ALS Vial : 6 Sample Multiplier: 1

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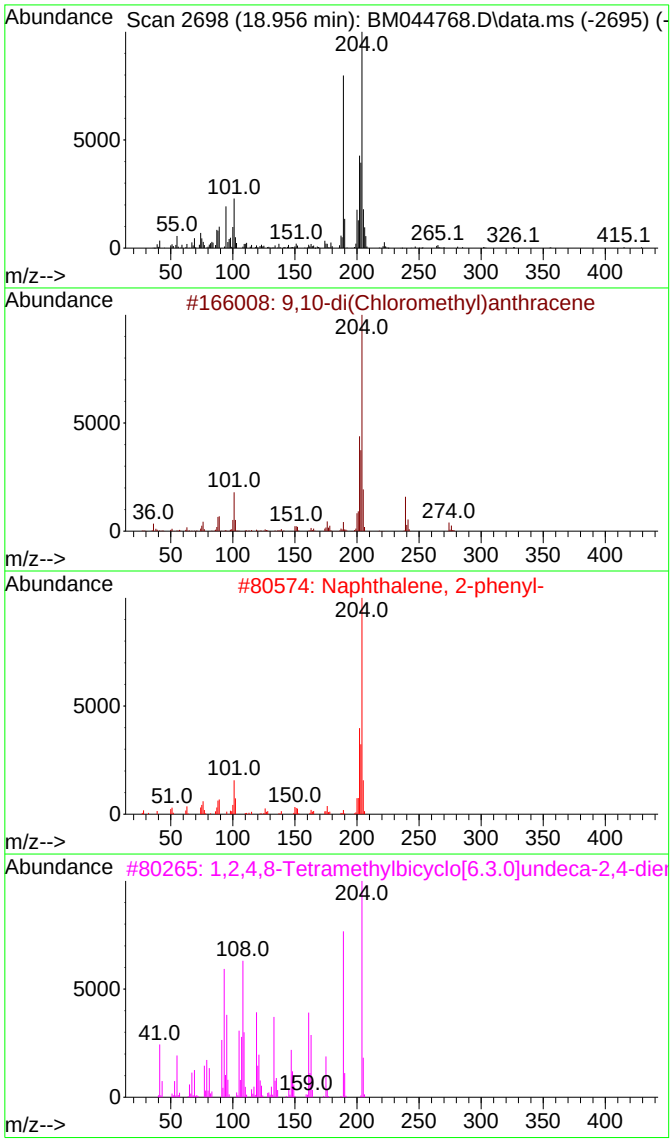
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

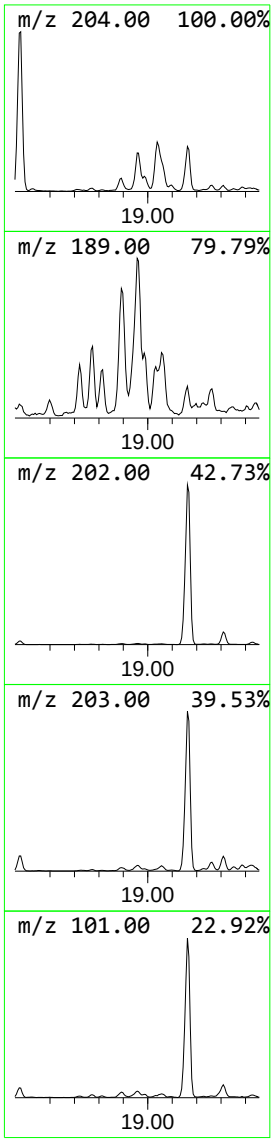
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 9,10-di(Chloromethyl)anthra... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.956	7.05 ng	686161	Phenanthrene-d10	17.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	50
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	38
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38





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

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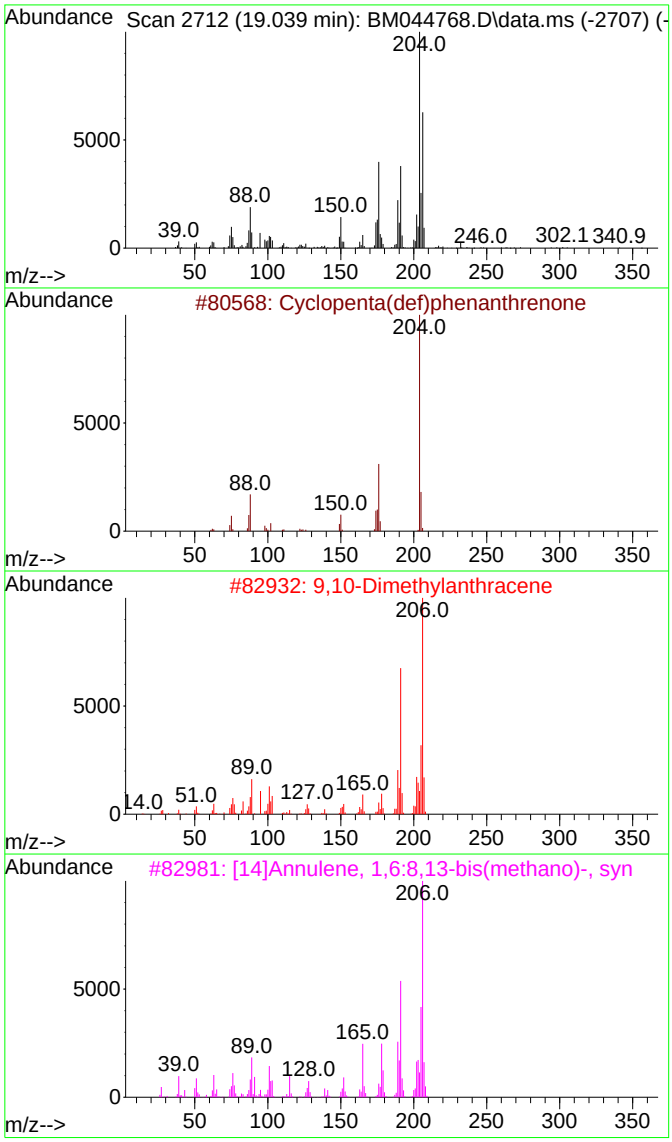
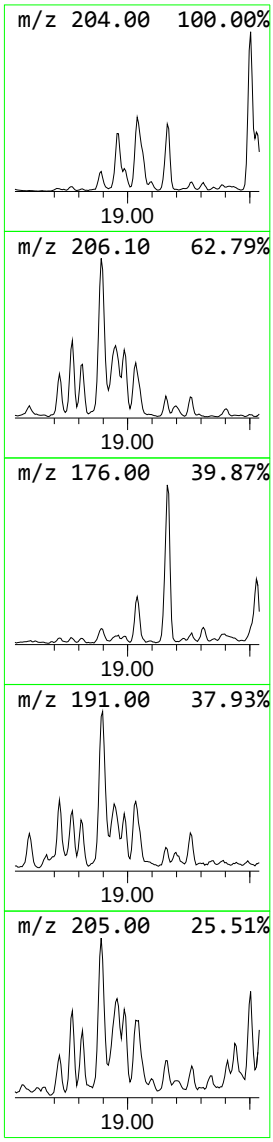
****
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.039	7.47 ng	726323	Phenanthrene-d10	17.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	49
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	42
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	38
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	38





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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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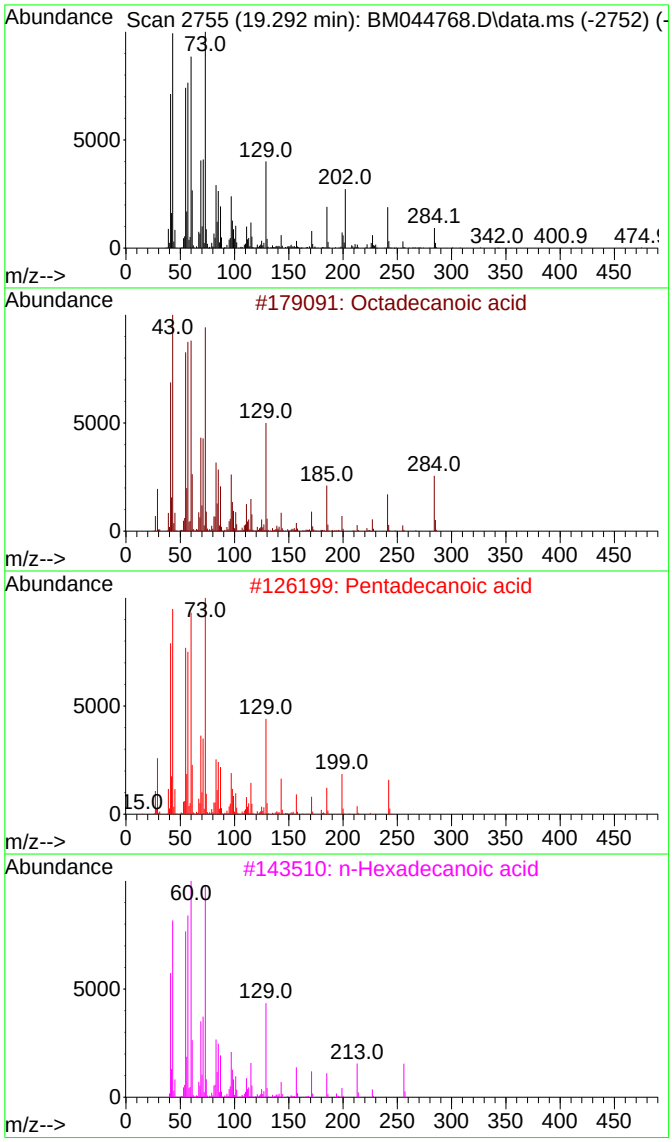
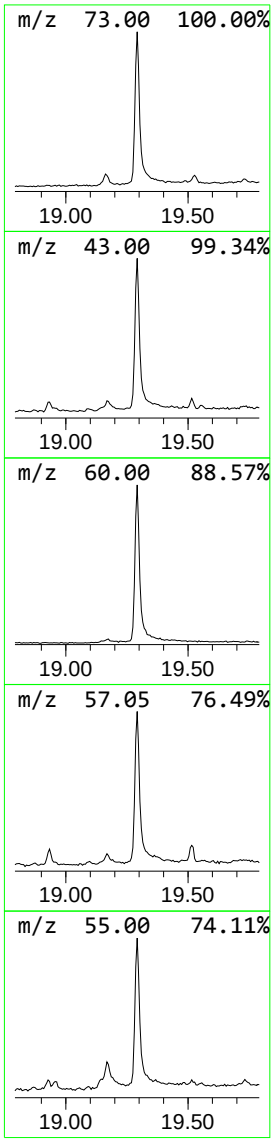
Peak Number 16 Octadecanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.292	4.95 ng	2295210	Chrysene-d12	21.291

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62





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Sample : P1865-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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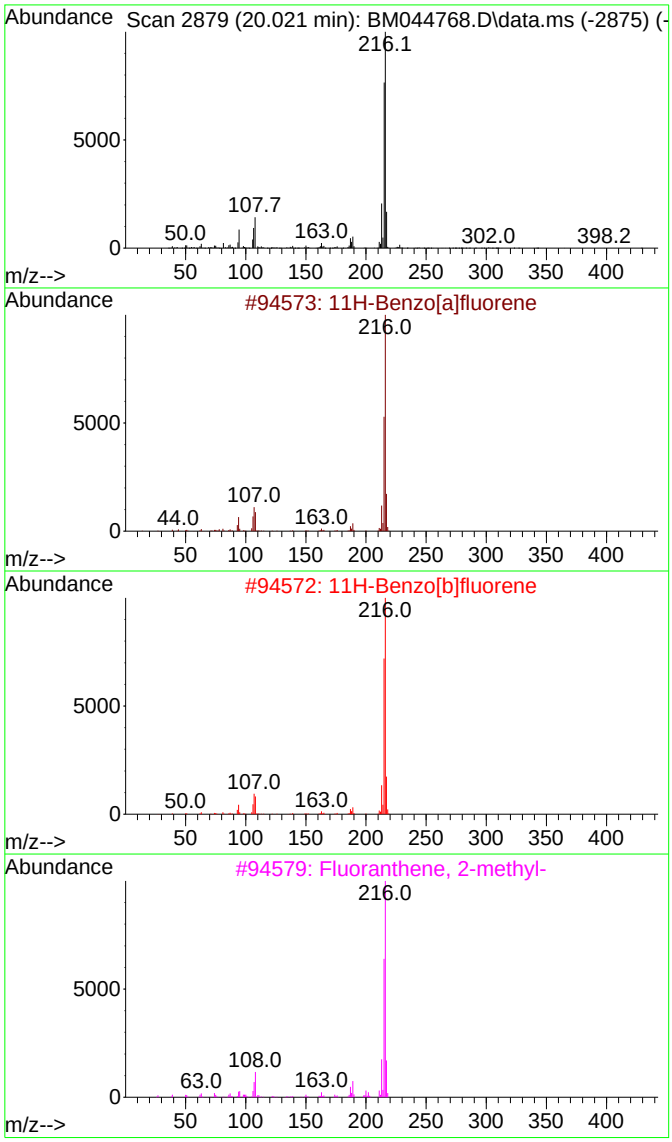
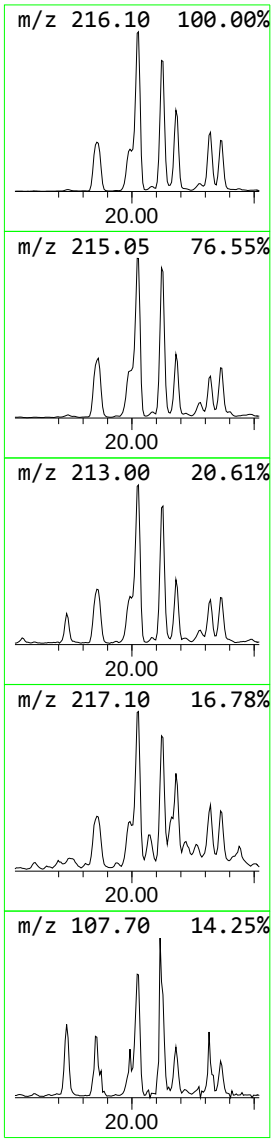
Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.021	5.02 ng	2330330	Chrysene-d12	21.291

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Data File : BM044768.D
Acq On : 26 Mar 2024 14:47
Operator : MA/JU
Sample : P1865-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.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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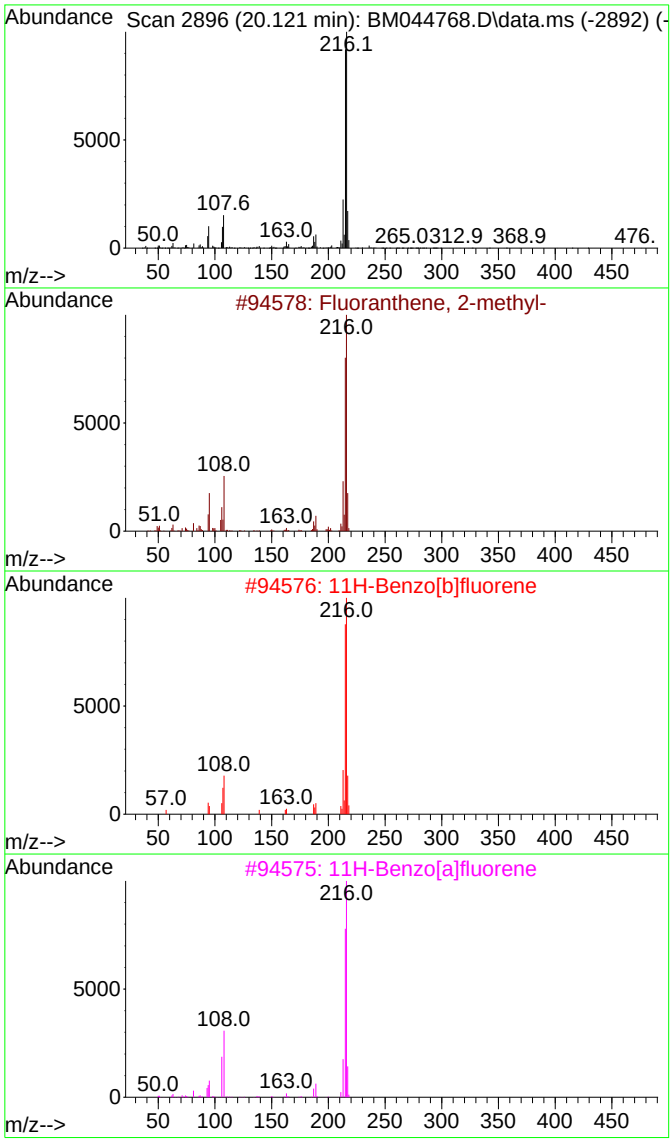
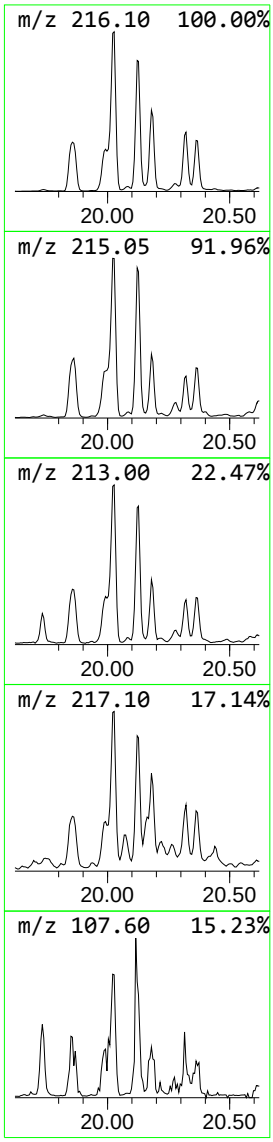
Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.121	3.82 ng	1770100	Chrysene-d12	21.291

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
Data File : BM044768.D
Acq On : 26 Mar 2024 14:47
Operator : MA/JU
Sample : P1865-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.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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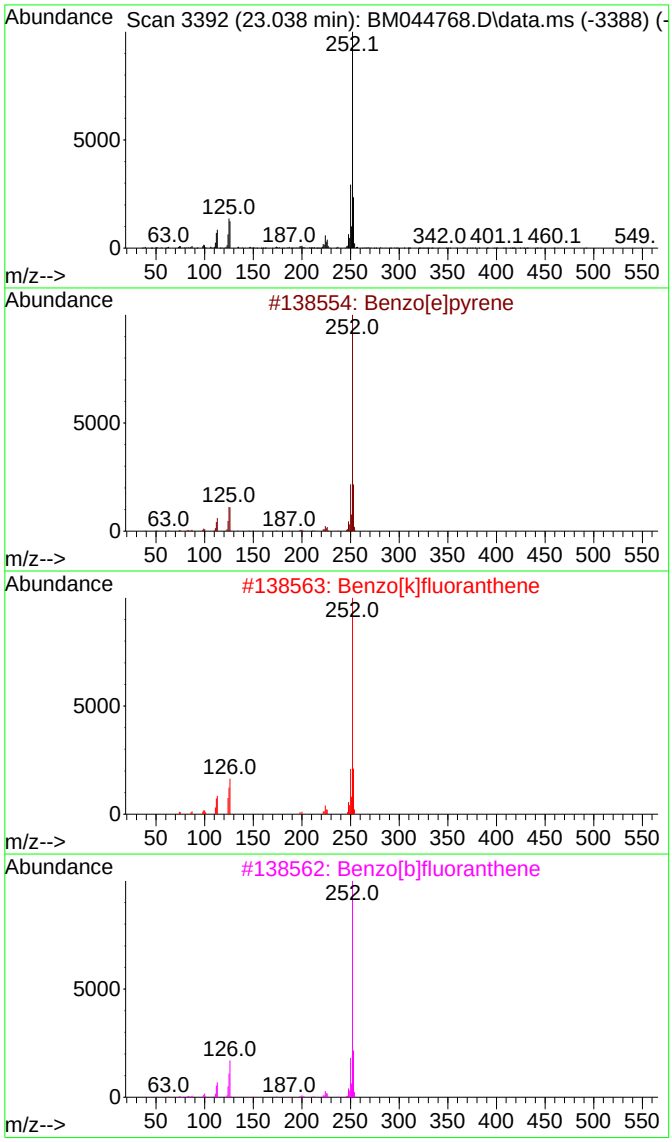
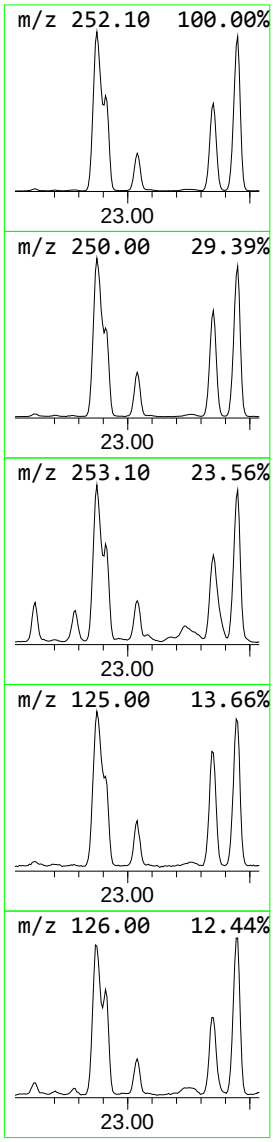
Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.038	9.83 ng	1185400	Perylene-d12	23.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
Data File : BM044768.D
Acq On : 26 Mar 2024 14:47
Operator : MA/JU
Sample : P1865-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.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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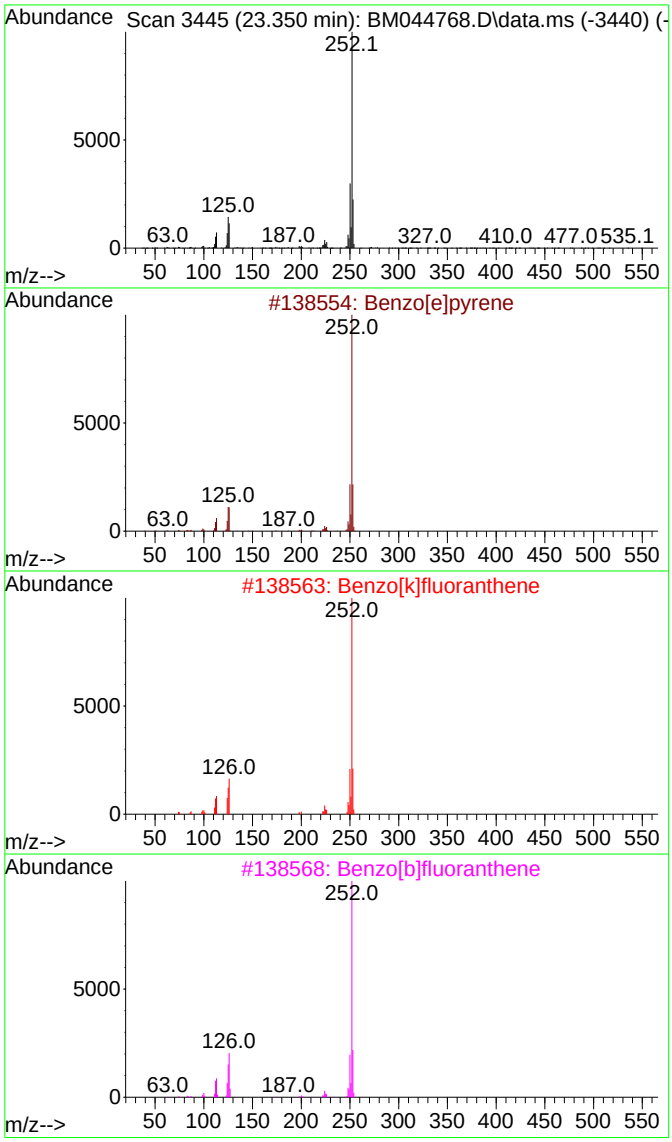
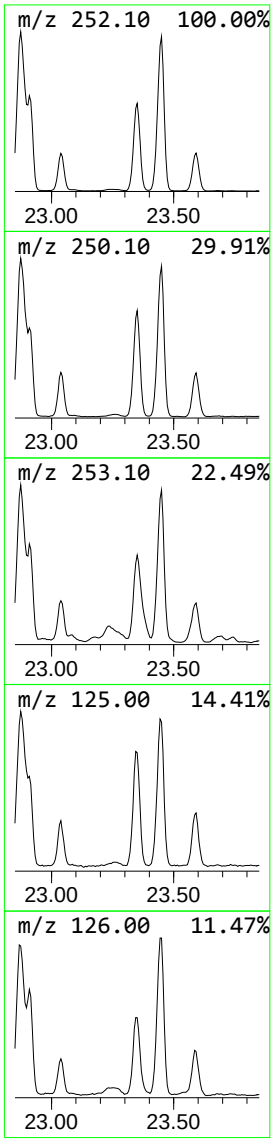
Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.350	28.20 ng	3402030	Perylene-d12	23.544

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Perylene	252	C20H12	000198-55-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
Data File : BM044768.D
Acq On : 26 Mar 2024 14:47
Operator : MA/JU
Sample : P1865-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VNJ-235

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.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
9H-Fluorene, 2-...	16.398	4.8	ng	461783	4	17.092	1945450	20.0
Naphtho[1,2-b]t...	16.910	5.6	ng	541578	4	17.092	1945450	20.0
Phenanthridine	17.280	3.5	ng	345231	4	17.092	1945450	20.0
Dibenzothiophen...	17.674	3.6	ng	349568	4	17.092	1945450	20.0
Phenanthrene, 2...	17.968	13.8	ng	1342920	4	17.092	1945450	20.0
Anthracene, 2-m...	18.009	36.8	ng	3578260	4	17.092	1945450	20.0
Phenanthrene, 1...	18.098	8.1	ng	783452	4	17.092	1945450	20.0
4H-Cyclopenta[d...	18.162	28.8	ng	2804180	4	17.092	1945450	20.0
Phenanthrene, 4...	18.198	9.4	ng	915118	4	17.092	1945450	20.0
Naphthalene, 2-...	18.474	8.9	ng	867766	4	17.092	1945450	20.0
9,10-Anthracene...	18.521	5.3	ng	518505	4	17.092	1945450	20.0
di-p-Tolylacety...	18.774	3.7	ng	360238	4	17.092	1945450	20.0
Phenanthrene, 2...	18.892	11.6	ng	1131270	4	17.092	1945450	20.0
9,10-di(Chlorom...	18.956	7.0	ng	686161	4	17.092	1945450	20.0
Cyclopenta(def)...	19.039	7.5	ng	726323	4	17.092	1945450	20.0
Octadecanoic acid	19.292	5.0	ng	2295210	5	21.291	9279650	20.0
11H-Benzo[a]flu...	20.021	5.0	ng	2330330	5	21.291	9279650	20.0
Fluoranthene, 2...	20.121	3.8	ng	1770100	5	21.291	9279650	20.0
Benzo[e]pyrene	23.038	9.8	ng	1185400	6	23.544	2412540	20.0
Perylene	23.350	28.2	ng	3402030	6	23.544	2412540	20.0