LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM073123\
Data File : BM041194.D
Acq On : 31 Jul 2023 18:03
Operator : MA/JU
Sample : 03768-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
FL-1

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-BM072823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM041194.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.369	365	371	388	rBV	2079027	2942932	4.90%	0.411%
2	6.981	634	645	662	rBV	1977734	3167818	5.27%	0.443%
3	8.975	977	984	999	rBV	1264099	2020685	3.36%	0.282%
4	10.610	1253	1262	1265	rBV	700655	1193860	1.99%	0.167%
5	10.663	1265	1271	1284	rVB	3767370	6275329	10.45%	0.877%
6	12.275	1535	1545	1553	rBV	2001337	3034653	5.05%	0.424%
7	12.498	1573	1583	1593	rVB	1287230	2032746	3.38%	0.284%
8	13.080	1676	1682	1692	rVB	2938280	4244301	7.06%	0.593%
9	13.292	1712	1718	1726	rBV	694818	1069101	1.78%	0.149%
10	13.486	1746	1751	1765	rVB	646487	1133733	1.89%	0.158%
11	13.780	1794	1801	1806	rBV	701944	1268593	2.11%	0.177%
12	14.469	1907	1918	1923	rBV2	1039231	1975291	3.29%	0.276%
13	14.539	1923	1930	1937	rVV	10807710	16331706	27.18%	2.282%
14	14.774	1962	1970	1975	rBV	804994	1257088	2.09%	0.176%
15	14.869	1979	1986	1994	rVV	4422989	6292044	10.47%	0.879%
16	15.521	2090	2097	2107	rBV	8030058	11672708	19.43%	1.631%
17	15.645	2115	2118	2121	rVV	915328	1325188	2.21%	0.185%
18	15.680	2121	2124	2129	rVV	1424214	1952765	3.25%	0.273%
19	15.768	2135	2139	2143	rVV	892050	1346317	2.24%	0.188%
20	15.810	2143	2146	2155	rVB	905058	1349552	2.25%	0.189%
21	15.963	2167	2172	2179	rVB	3359064	5076558	8.45%	0.709%
22	16.316	2223	2232	2238	rBV	905588	1294070	2.15%	0.181%
23	16.527	2256	2268	2272	rBV2	966894	2279196	3.79%	0.318%
24	16.974	2335	2344	2349	rBV2	1090725	2054782	3.42%	0.287%
25	17.045	2349	2356	2366	rVB	3132931	4650880	7.74%	0.650%
26	17.233	2379	2388	2390	rBV	1033848	1837153	3.06%	0.257%
27	17.292	2390	2398	2403	rVV2	23186088	50693561	84.38%	7.084%
28	17.374	2403	2412	2416	rVV	13724811	20634855	34.35%	2.883%
29	17.421	2416	2420	2425	rVB	1187435	1714132	2.85%	0.240%
30	17.645	2453	2458	2471	rVV	6345262	9580140	15.95%	1.339%
31	17.751	2471	2476	2482	rVV5	732349	1255839	2.09%	0.175%
32	17.810	2482	2486	2494	rVV2	707009	1294092	2.15%	0.181%
33	18.104	2527	2536	2541	rBV	3771412	6187721	10.30%	0.865%
34	18.157	2541	2545	2551	rVB	5680247	7641958	12.72%	1.068%
35	18.239	2551	2559	2564	rBV	2283114	3342297	5.56%	0.467%
36	18.309	2564	2571	2574	rVV2	8010242	13079867	21.77%	1.828%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM073123\
Data File : BM041194.D
Acq On : 31 Jul 2023 18:03
Operator : MA/JU
Sample : 03768-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
FL-1

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-BM072823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.339	2574	2576	2583	rVB	2361658	2762382	4.60%	0.386%
38	18.609	2617	2622	2627	rVV	3015898	4153148	6.91%	0.580%
39	18.851	2659	2663	2668	rVB3	833913	1126677	1.88%	0.157%
40	19.027	2687	2693	2697	rBV	1424820	2563260	4.27%	0.358%
41	19.315	2733	2742	2747	rBV2	22754778	51024458	84.93%	7.130%
42	19.398	2753	2756	2761	rBV2	819109	1107229	1.84%	0.155%
43	19.539	2775	2780	2785	rVV	1705895	2483769	4.13%	0.347%
44	19.686	2792	2805	2810	rBV3	20814523	60079183	100.00%	8.395%
45	19.733	2810	2813	2824	rVB3	1865987	2631603	4.38%	0.368%
46	19.862	2832	2835	2839	rVB	4093939	5067289	8.43%	0.708%
47	19.909	2839	2843	2849	rVB	1984963	2740965	4.56%	0.383%
48	19.980	2849	2855	2856	rBV	2046767	2795046	4.65%	0.391%
49	20.051	2862	2867	2873	rBV	1472799	2156968	3.59%	0.301%
50	20.121	2873	2879	2881	rBV4	1869856	3071186	5.11%	0.429%
51	20.162	2881	2886	2891	rVB	8759363	12238676	20.37%	1.710%
52	20.262	2898	2903	2907	rVV	10095321	13244808	22.05%	1.851%
53	20.321	2907	2913	2916	rVV2	3231110	5637279	9.38%	0.788%
54	20.356	2916	2919	2923	rVV	3162996	3669292	6.11%	0.513%
55	20.398	2923	2926	2931	rVB2	866716	1126786	1.88%	0.157%
56	20.456	2932	2936	2940	rBV	1715221	2123704	3.53%	0.297%
57	20.503	2940	2944	2948	rVV	1855627	2153503	3.58%	0.301%
58	20.686	2970	2975	2978	rBV	1734283	2312575	3.85%	0.323%
59	20.786	2988	2992	2996	rVB2	1186640	1959242	3.26%	0.274%
60	20.868	3001	3006	3011	rVV2	1404825	2791024	4.65%	0.390%
61	20.915	3011	3014	3019	rVV3	907179	1571659	2.62%	0.220%
62	21.074	3034	3041	3044	rBV	3944045	5512266	9.18%	0.770%
63	21.115	3044	3048	3051	rVV	4112739	5317127	8.85%	0.743%
64	21.156	3051	3055	3059	rVV2	3734975	6538021	10.88%	0.914%
65	21.192	3059	3061	3068	rVB3	930340	1345865	2.24%	0.188%
66	21.315	3074	3082	3090	rBV	1444716	3342492	5.56%	0.467%
67	21.433	3090	3102	3106	rVV2	17957729	40363536	67.18%	5.640%
68	21.486	3106	3111	3115	rVV	17433902	27703579	46.11%	3.871%
69	21.556	3119	3123	3125	rVV3	677204	1000968	1.67%	0.140%
70	21.598	3125	3130	3136	rVV	7156397	10134480	16.87%	1.416%
71	21.650	3136	3139	3143	rVV2	1259496	2186662	3.64%	0.306%
72	21.709	3146	3149	3153	rVV	2680306	3754767	6.25%	0.525%
73	21.762	3153	3158	3163	rVV2	3346670	6005199	10.00%	0.839%
74	21.945	3185	3189	3193	rBV	1810614	2598911	4.33%	0.363%
75	22.003	3193	3199	3203	rVV	3696307	6370235	10.60%	0.890%
76	22.056	3205	3208	3215	rVV	1840161	2540300	4.23%	0.355%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM073123\
Data File : BM041194.D
Acq On : 31 Jul 2023 18:03
Operator : MA/JU
Sample : 03768-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
FL-1

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-BM072823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	22.133	3216	3221	3223	rVV4	1002972	1587427	2.64%	0.222%
78	22.168	3223	3227	3231	rVV2	2383245	3619174	6.02%	0.506%
79	22.215	3231	3235	3238	rVV	2282745	3600646	5.99%	0.503%
80	22.250	3238	3241	3247	rVB2	3678664	5330040	8.87%	0.745%
81	22.309	3247	3251	3257	rBV2	1746170	2965011	4.94%	0.414%
82	22.527	3283	3288	3292	rBV3	1172180	2259606	3.76%	0.316%
83	22.827	3334	3339	3344	rBV	1117970	2080373	3.46%	0.291%
84	23.115	3377	3388	3392	rVV	13030600	36473770	60.71%	5.097%
85	23.150	3392	3394	3399	rVV	9568703	11725797	19.52%	1.639%
86	23.203	3400	3403	3409	rVV2	735795	1394124	2.32%	0.195%
87	23.280	3410	3416	3421	rVB	3519196	5809675	9.67%	0.812%
88	23.415	3434	3439	3441	rBV2	881355	1614157	2.69%	0.226%
89	23.503	3449	3454	3465	rBV4	772669	2394598	3.99%	0.335%
90	23.621	3465	3474	3483	rVB	8171425	18447678	30.71%	2.578%
91	23.733	3483	3493	3500	rBV	12196686	28078775	46.74%	3.924%
92	23.815	3503	3507	3510	rVV	803824	1491600	2.48%	0.208%
93	23.874	3511	3517	3524	rVB2	4762541	9776907	16.27%	1.366%
94	24.403	3602	3607	3618	rVB4	792519	2215062	3.69%	0.310%
95	24.750	3660	3666	3679	rVB	1339101	3308642	5.51%	0.462%
96	25.003	3704	3709	3716	rBV3	576103	1247617	2.08%	0.174%
97	26.297	3916	3929	3937	rVB	6204029	20557437	34.22%	2.873%
98	26.562	3965	3974	3982	rBV	1255994	3538867	5.89%	0.495%
99	27.062	4045	4059	4074	rVB	4290928	16871975	28.08%	2.358%
100	27.450	4115	4125	4142	rVB2	1920575	7431116	12.37%	1.038%

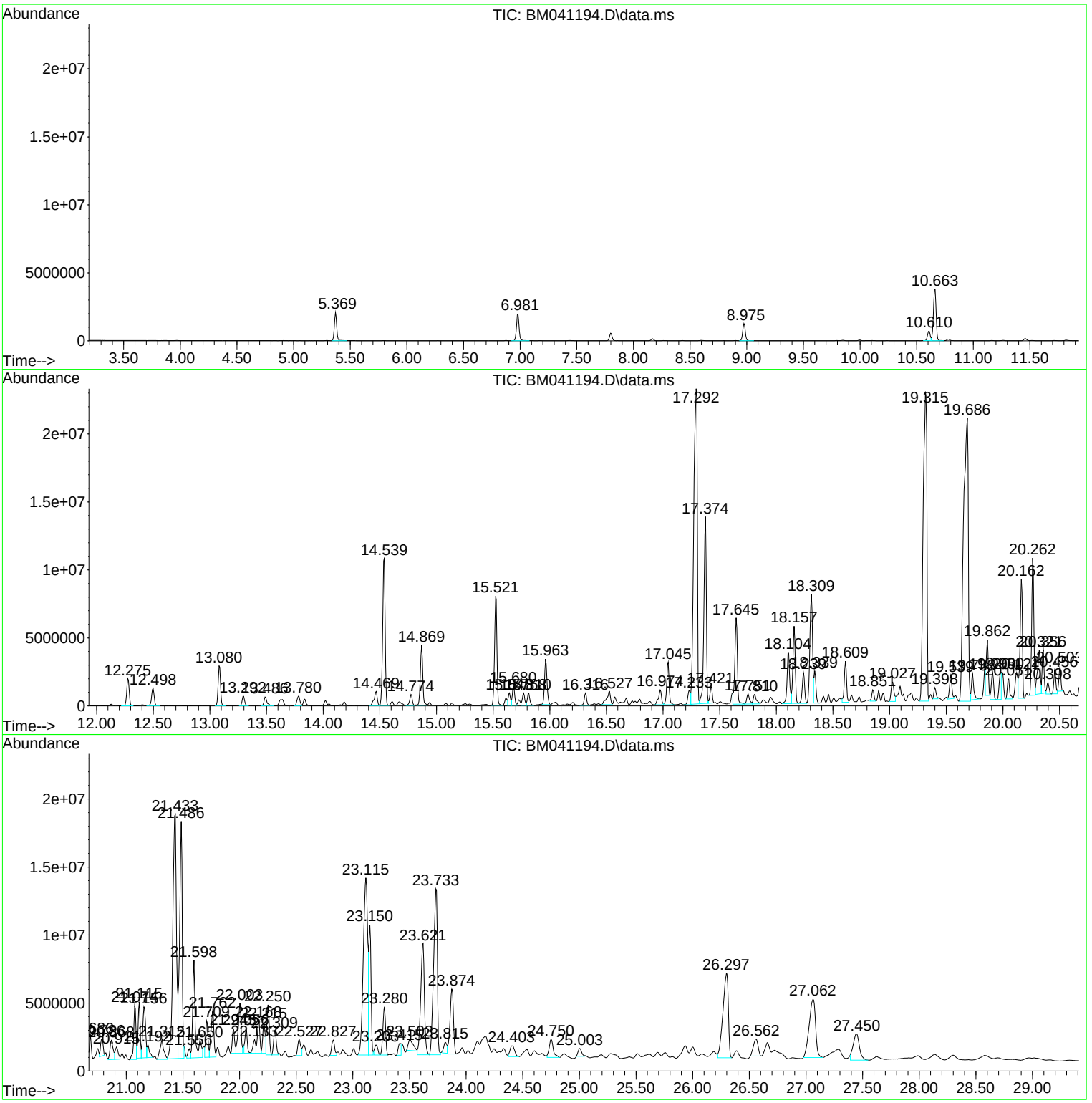
Sum of corrected areas: 715629704

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM073123\
Data File : BM041194.D
Acq On : 31 Jul 2023 18:03
Operator : MA/JU
Sample : 03768-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
FL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.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\BM073123\
Data File : BM041194.D
Acq On : 31 Jul 2023 18:03
Operator : MA/JU
Sample : 03768-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
FL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

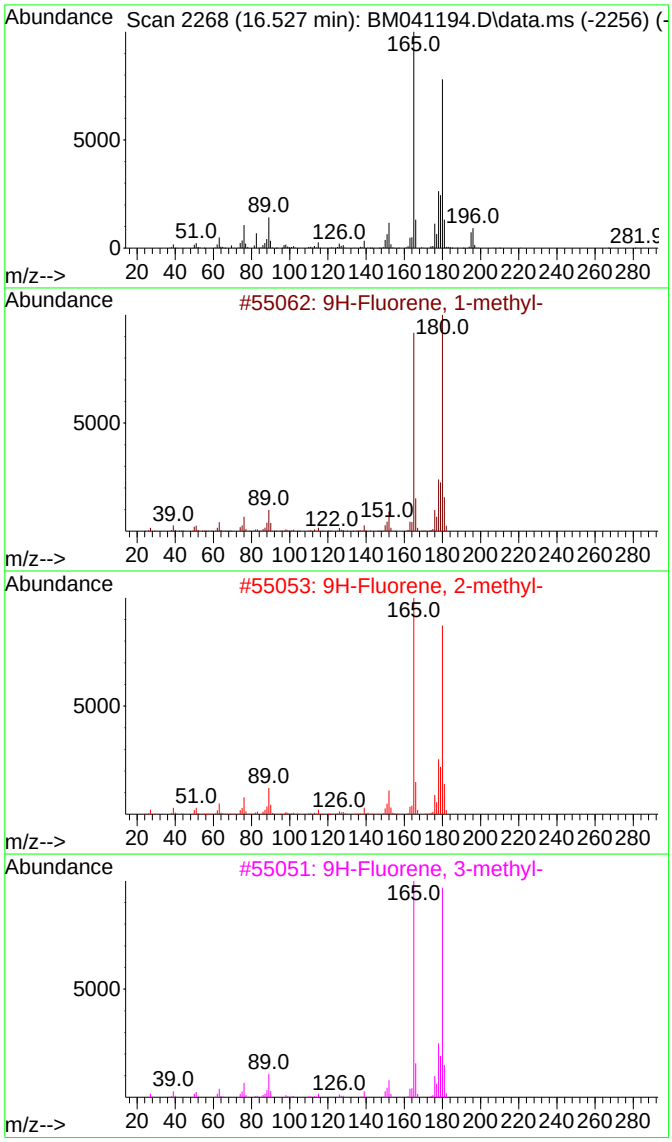
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

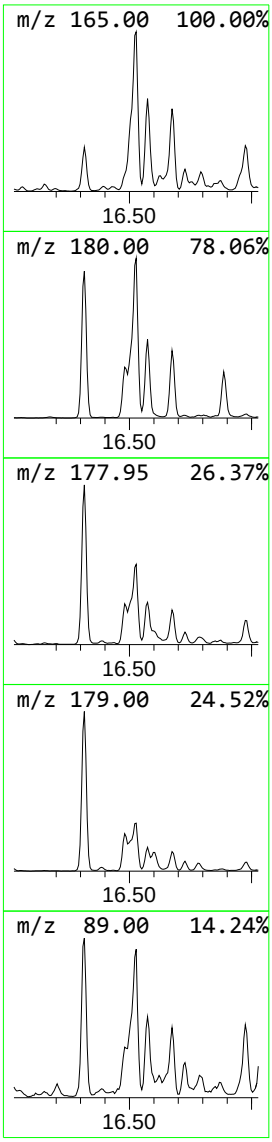
****

Peak Number 1 9H-Fluorene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.527	24.81 ng	2279200	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM073123\
Data File : BM041194.D
Acq On : 31 Jul 2023 18:03
Operator : MA/JU
Sample : 03768-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
FL-1

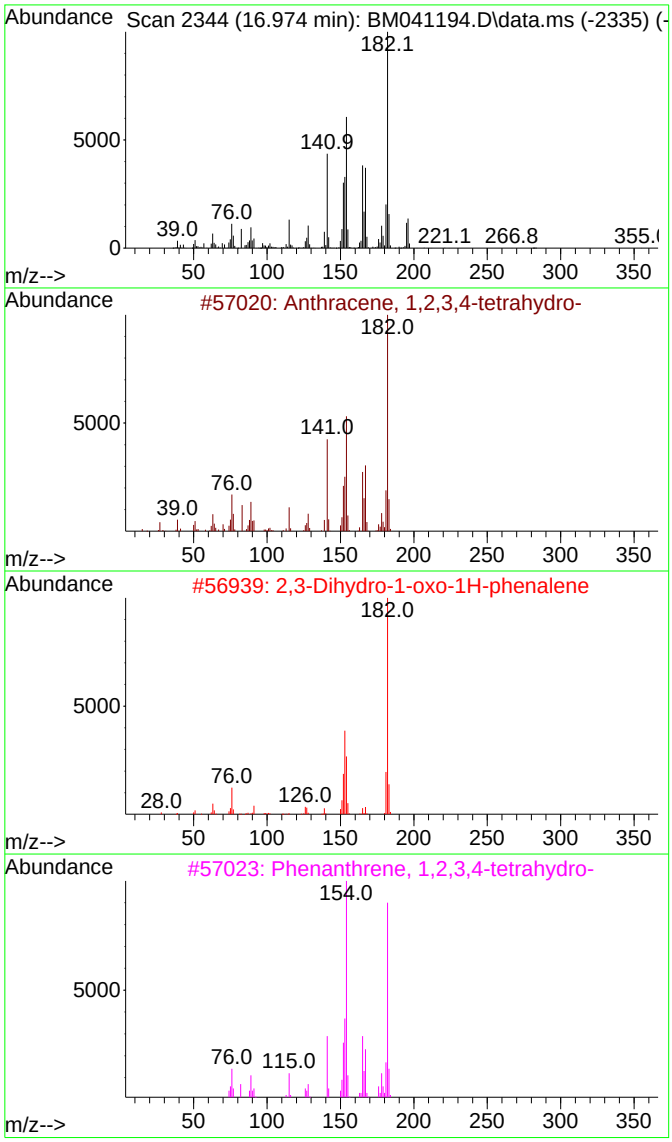
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

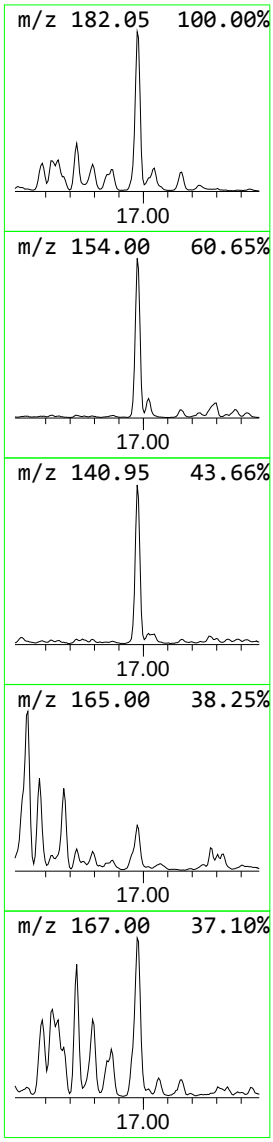
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.974	22.37 ng	2054780	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	86
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	70
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	60
5	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	56





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM073123\
Data File : BM041194.D
Acq On : 31 Jul 2023 18:03
Operator : MA/JU
Sample : 03768-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
FL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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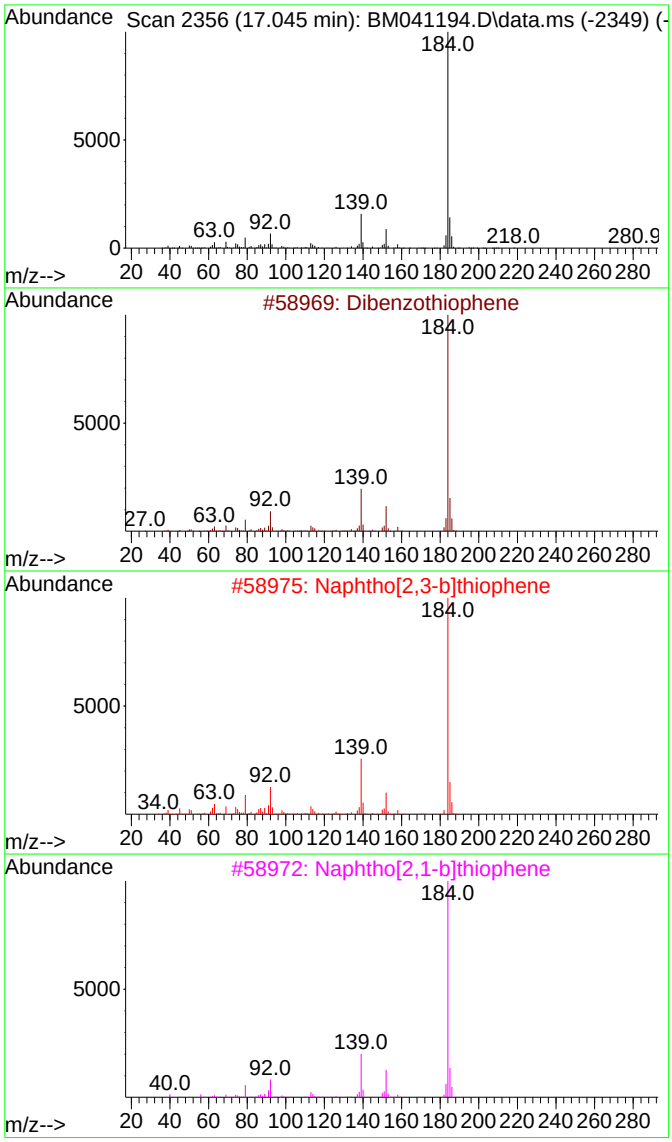
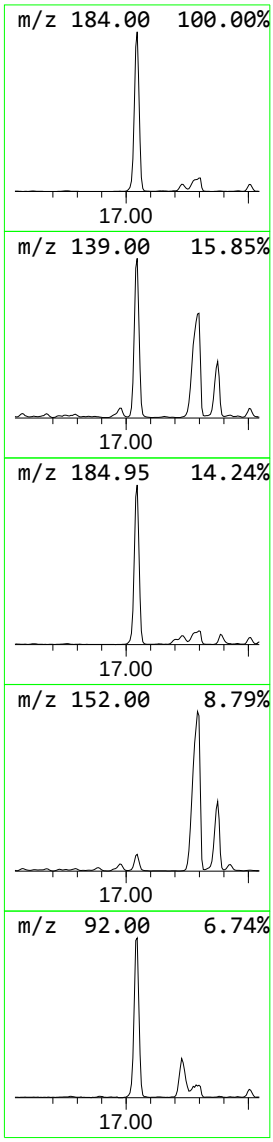
Peak Number 3 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.045	50.63 ng	4650880	Phenanthrene-d10	17.227

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM073123\
Data File : BM041194.D
Acq On : 31 Jul 2023 18:03
Operator : MA/JU
Sample : 03768-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
FL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

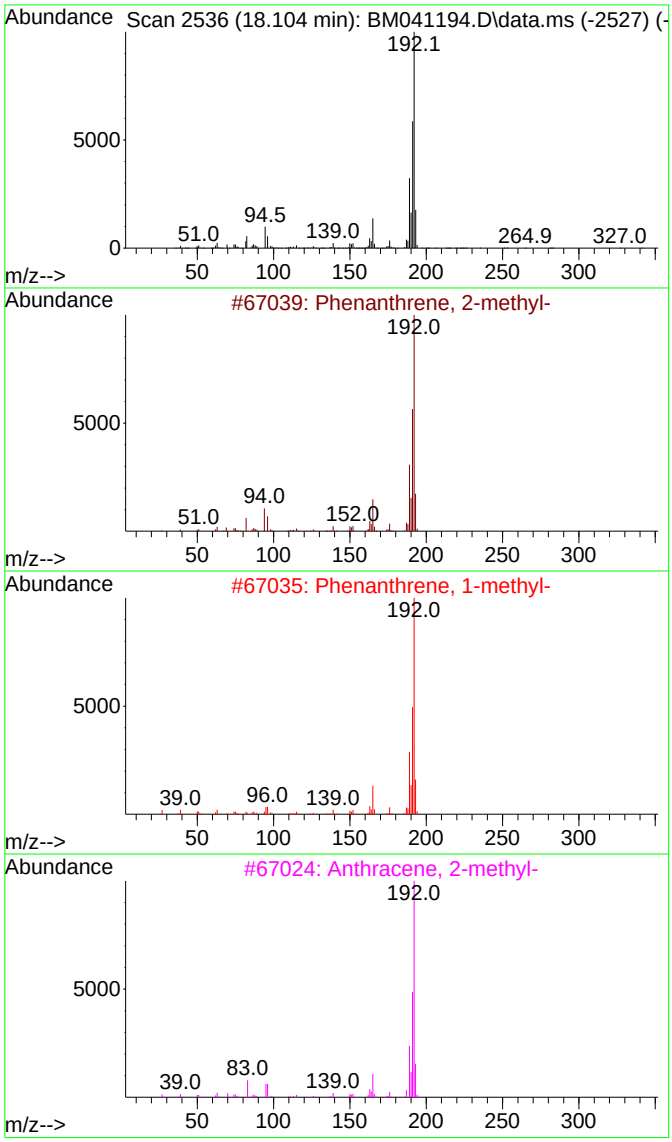
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

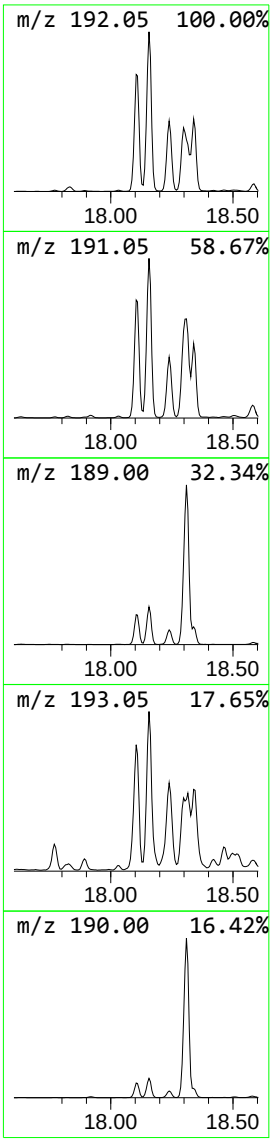
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.104	67.36 ng	6187720	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM073123\
Data File : BM041194.D
Acq On : 31 Jul 2023 18:03
Operator : MA/JU
Sample : 03768-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
FL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

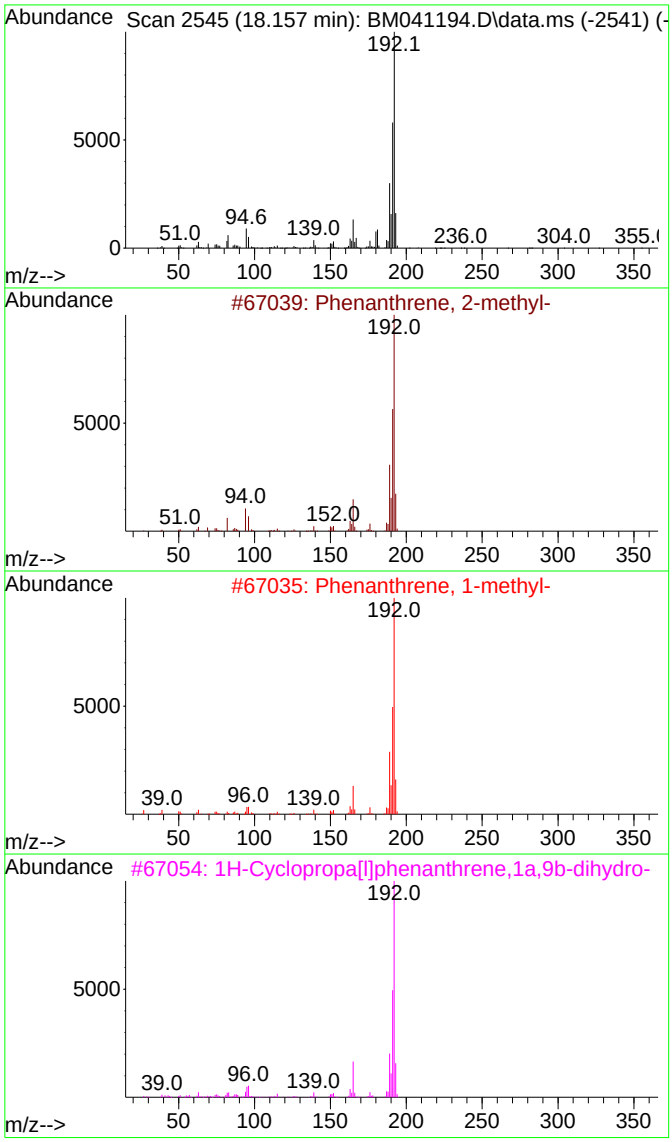
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

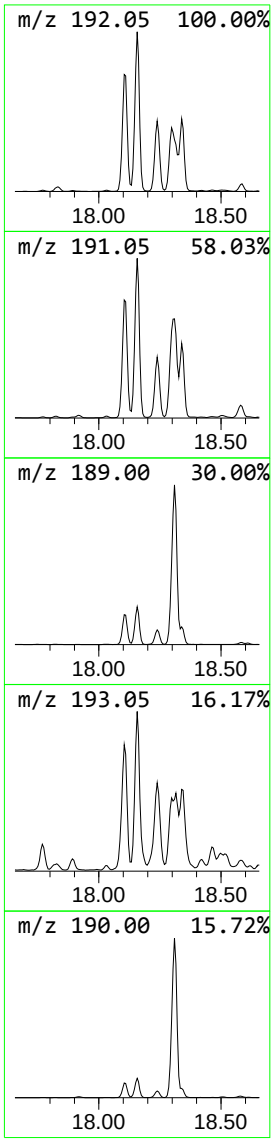
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.157	83.19 ng	7641960	Phenanthrene-d10	17.227

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Acq On : 31 Jul 2023 18:03
Operator : MA/JU
Sample : 03768-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

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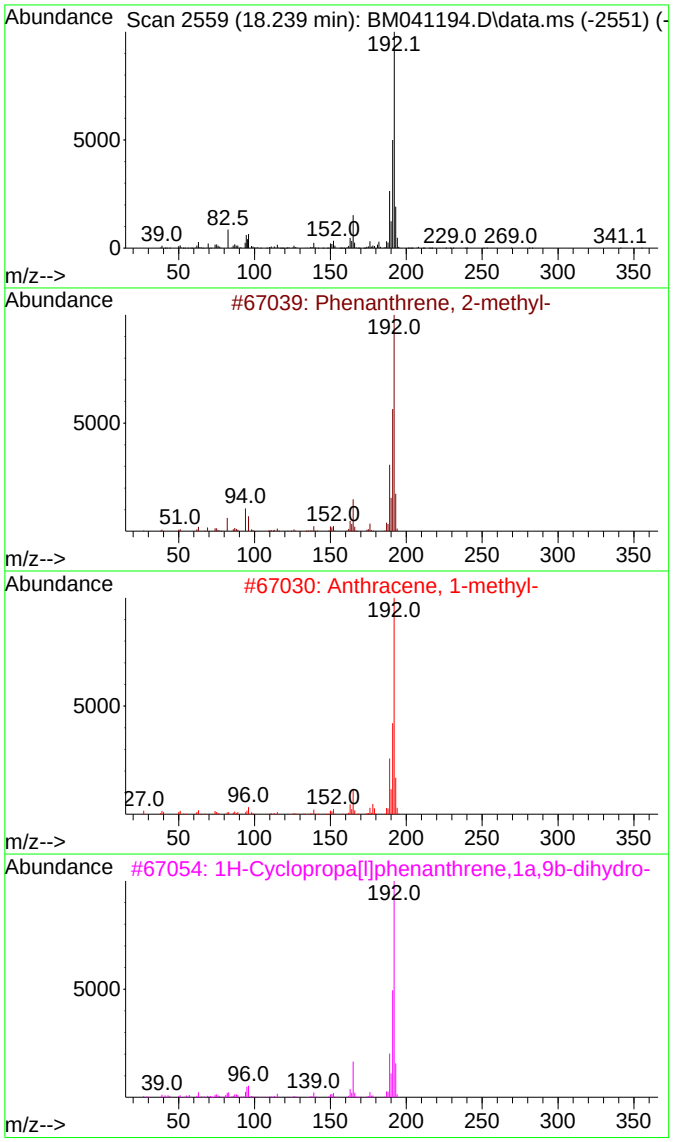
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

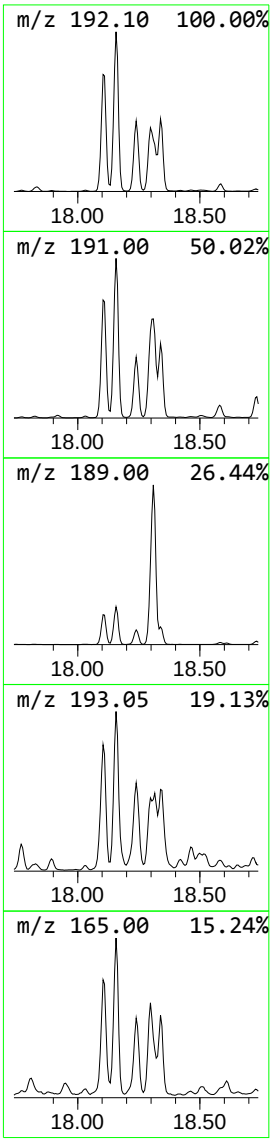
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.239	36.39 ng	3342300	Phenanthrene-d10	17.227

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





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Misc :
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Instrument :
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ClientSampleId :
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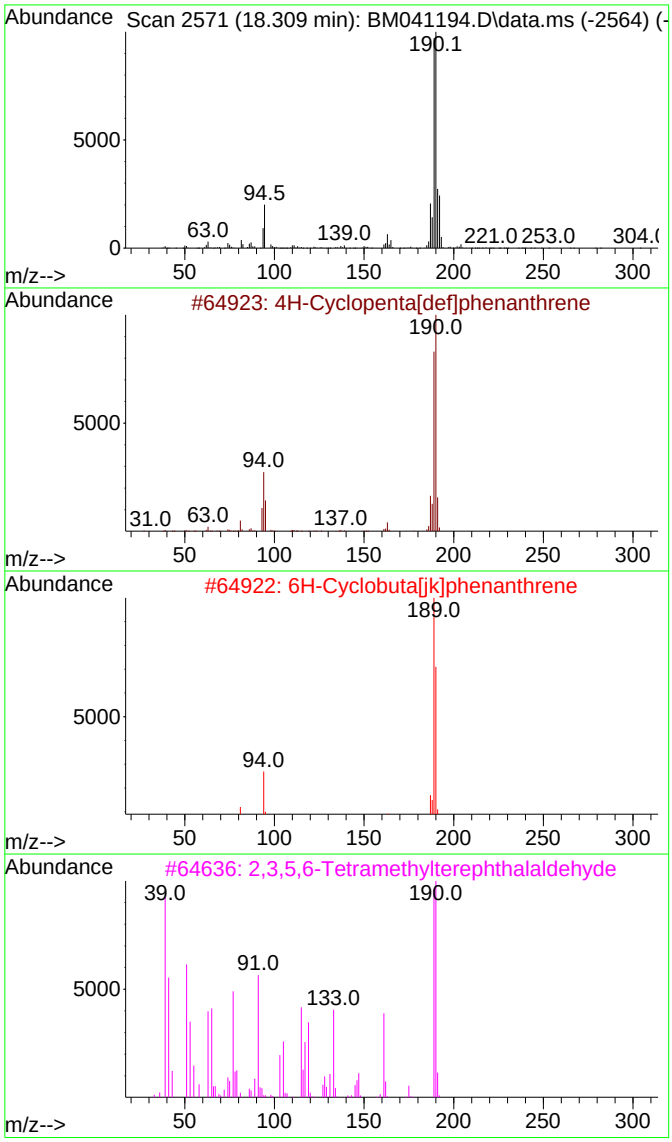
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

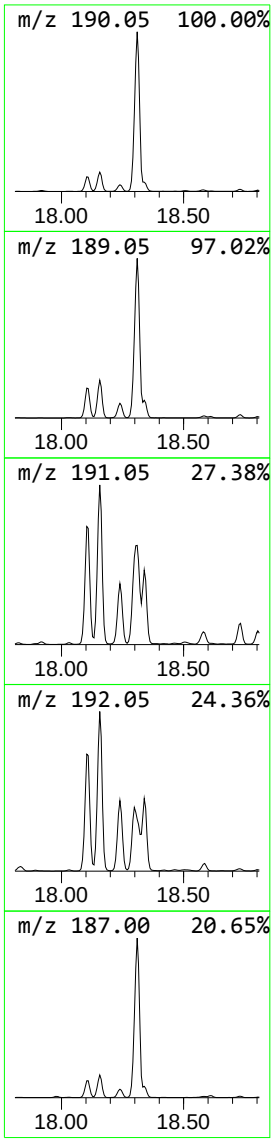
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.310	142.39 ng	13079900	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Misc :
ALS Vial : 15 Sample Multiplier: 1

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

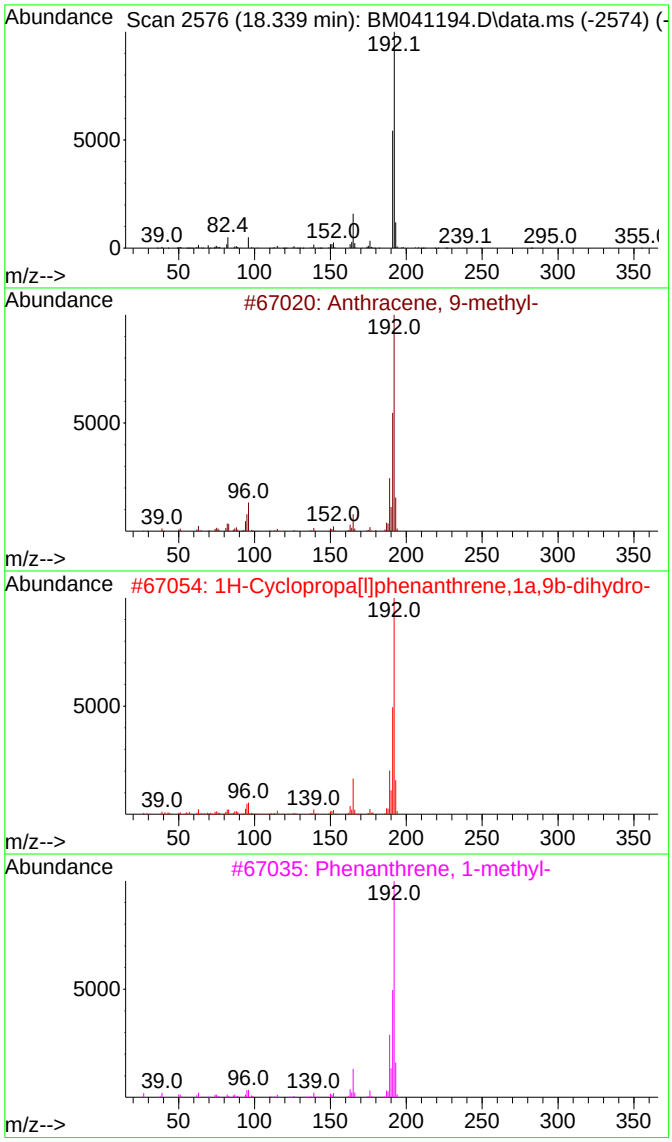
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

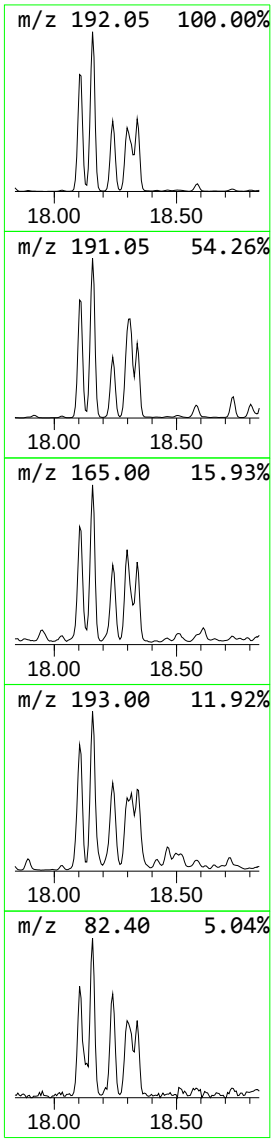
****

Peak Number 8 Anthracene, 9-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.339	30.07 ng	2762380	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87





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Sample : 03768-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.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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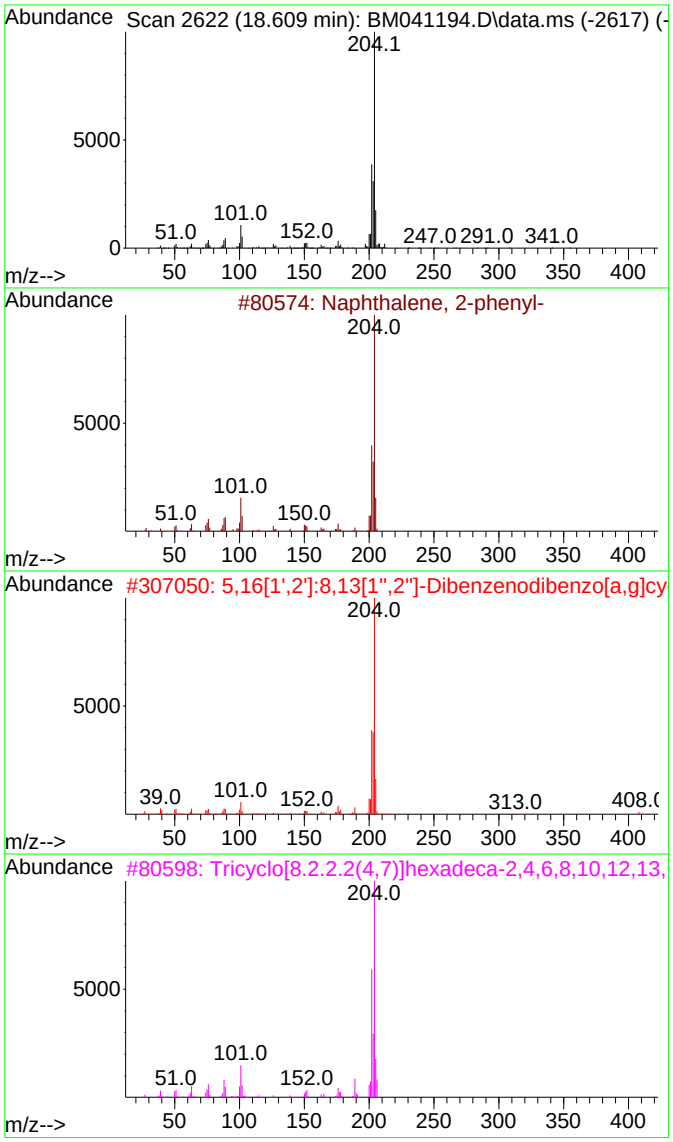
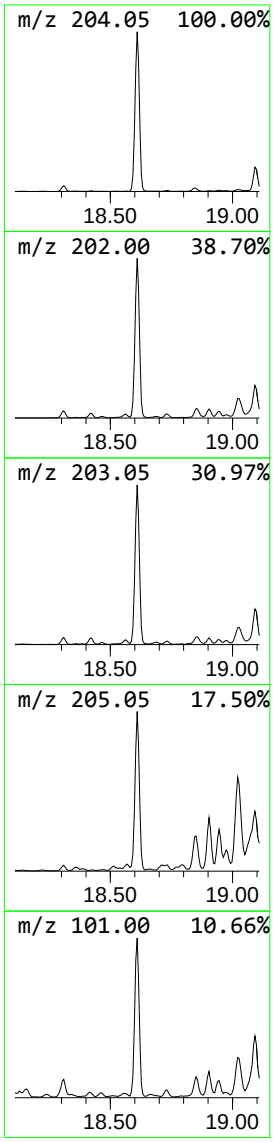
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.610	45.21 ng	4153150	Phenanthrene-d10	17.227

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	91
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	49





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Instrument :
BNA_M
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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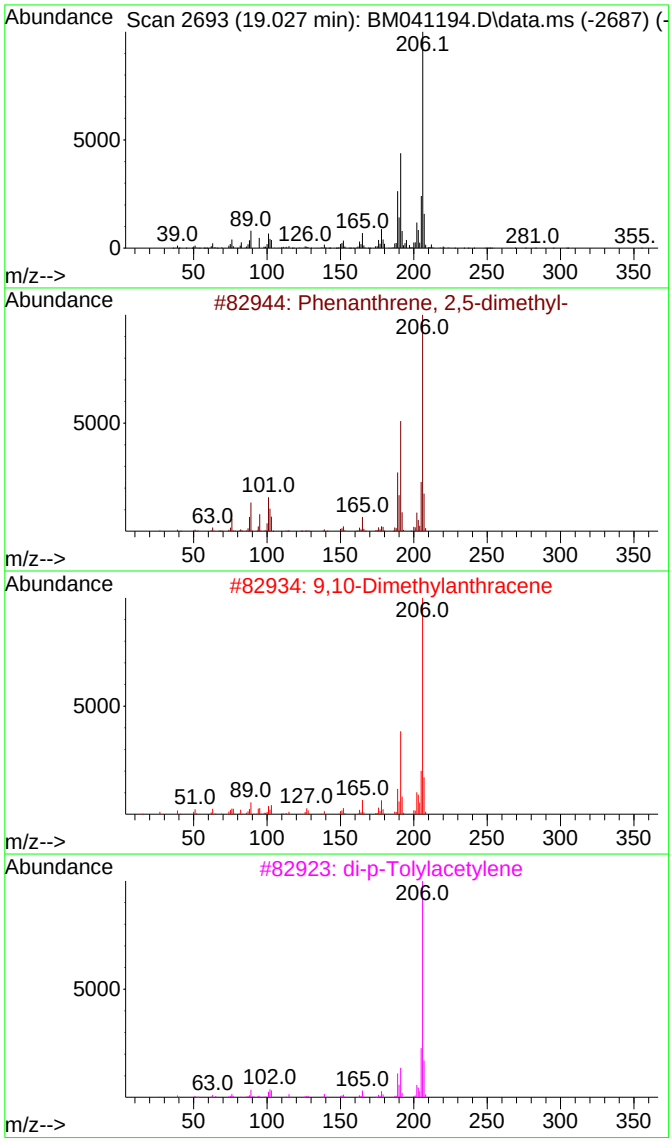
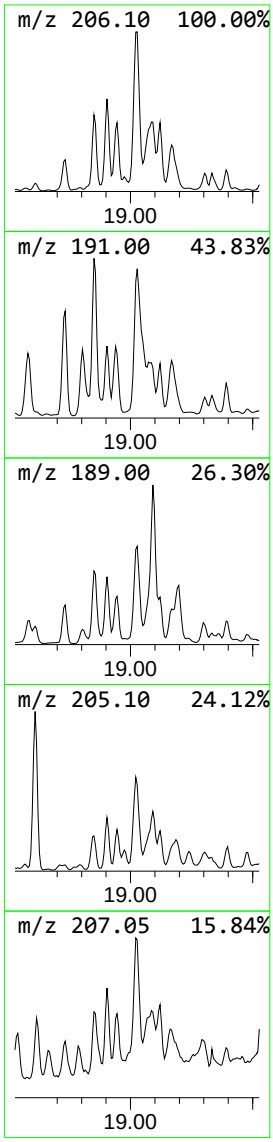
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.027	27.90 ng	2563260	Phenanthrene-d10	17.227

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	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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Misc :
ALS Vial : 15 Sample Multiplier: 1

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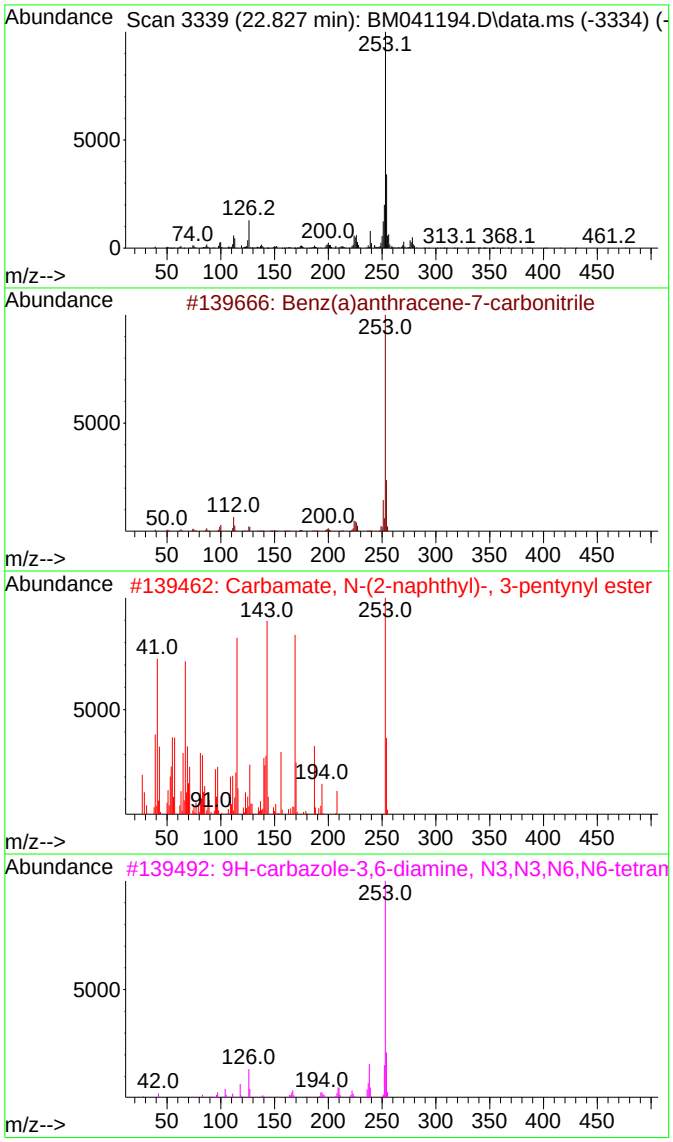
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

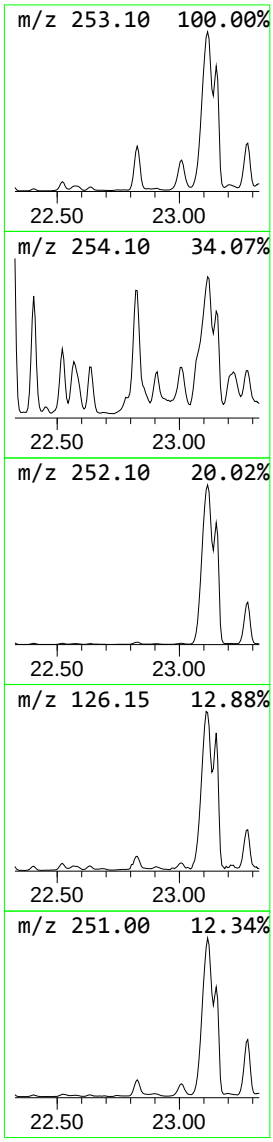
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benz(a)anthracene-7-carboni... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.827	27.89 ng	2080370	Perylene-d12	23.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	92
2	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	47
3	9H-carbazole-3,6-diamine, N3,N3,...	253	C16H19N3	1010396-68-8	39
4	4,6'-Biazulenyl	254	C20H14	094154-49-1	38
5	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	38





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Operator : MA/JU
Sample : 03768-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

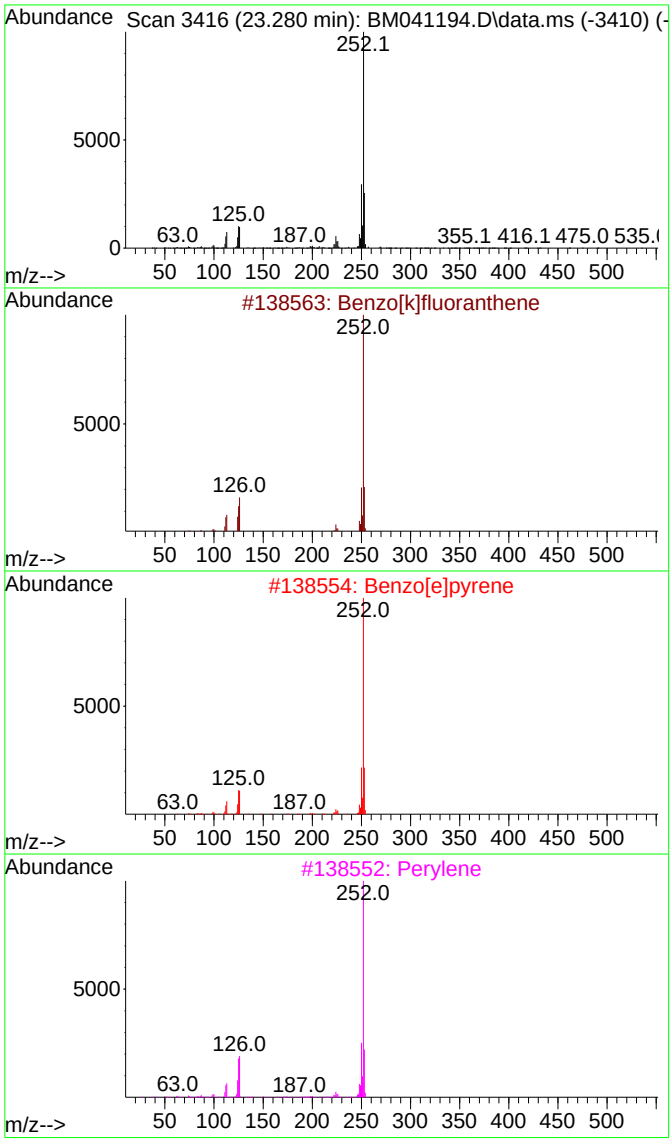
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

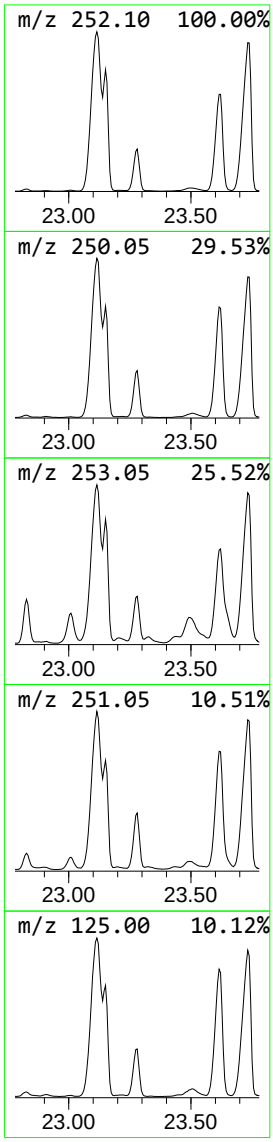
****

Peak Number 12 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.280	77.90 ng	5809680	Perylene-d12	23.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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Sample : 03768-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

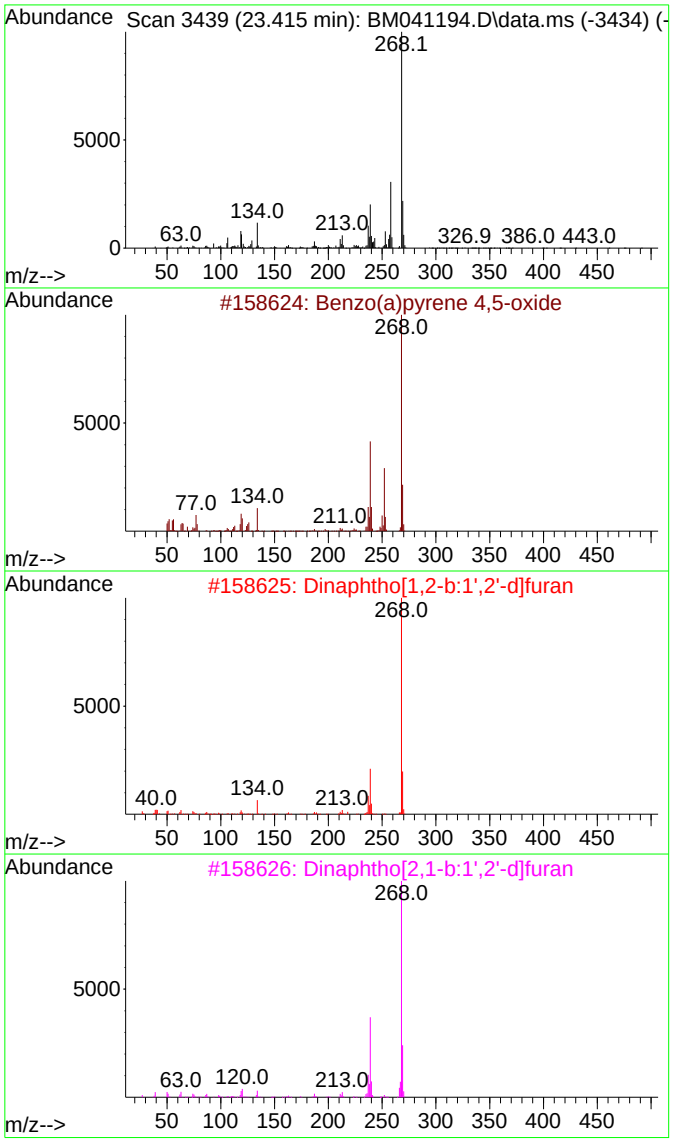
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

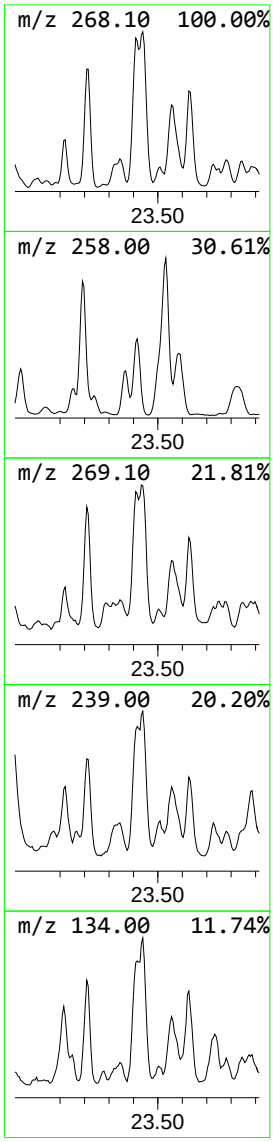
****

Peak Number 13 Benzo(a)pyrene 4,5-oxide Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.415	21.64 ng	1614160	Perylene-d12	23.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	83
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	68
4	Phenol, 2,2'-[1,2-ethanediylbis(...	268	C16H16N2O2	000094-93-9	60
5	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	58





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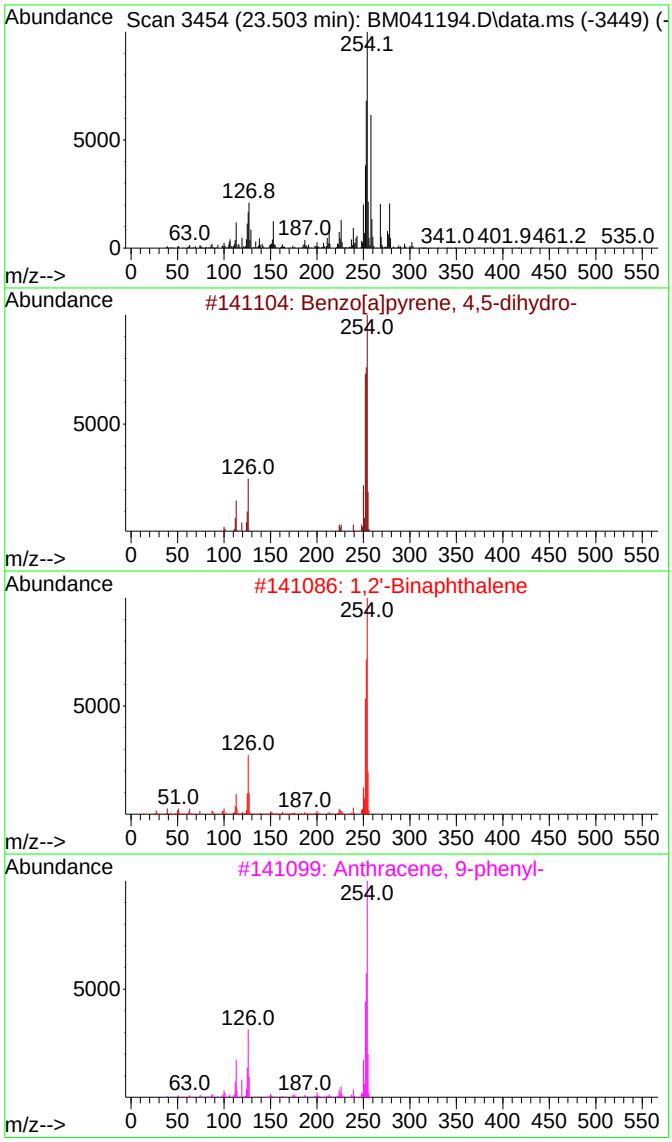
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

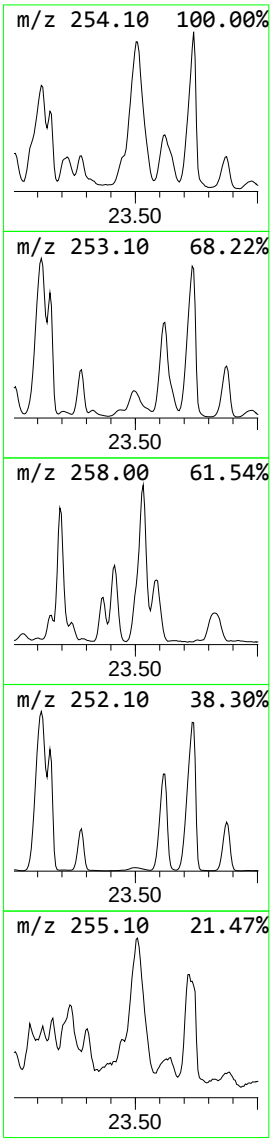
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzo[a]pyrene, 4,5-dihydro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.503	32.11 ng	2394600	Perylene-d12	23.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	89
2	1,2'-Binaphthalene	254	C20H14	004325-74-0	64
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	60
4	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	46
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	46





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

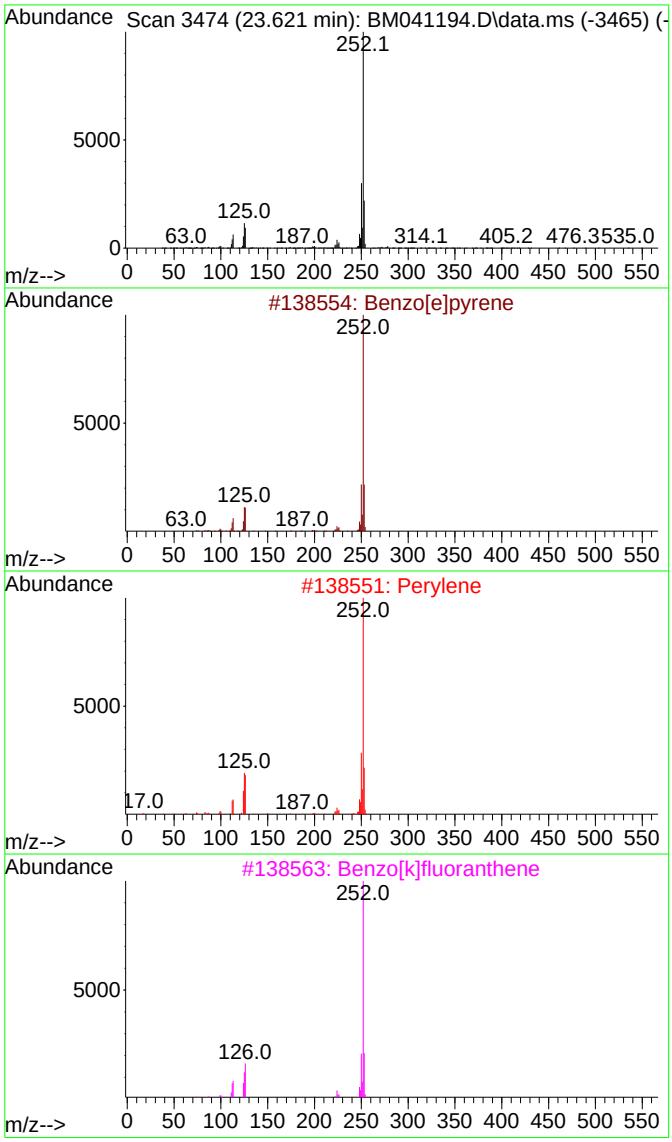
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

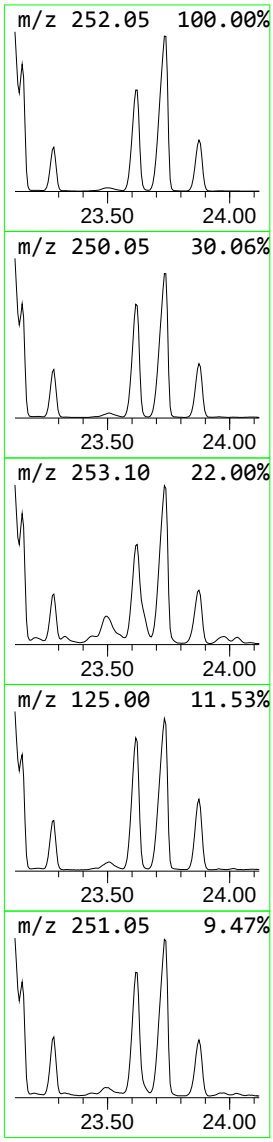
****

Peak Number 15 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.621	247.35 ng	18447700	Perylene-d12	23.815

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[b]fluoranthene	252	C20H12	000205-99-2	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





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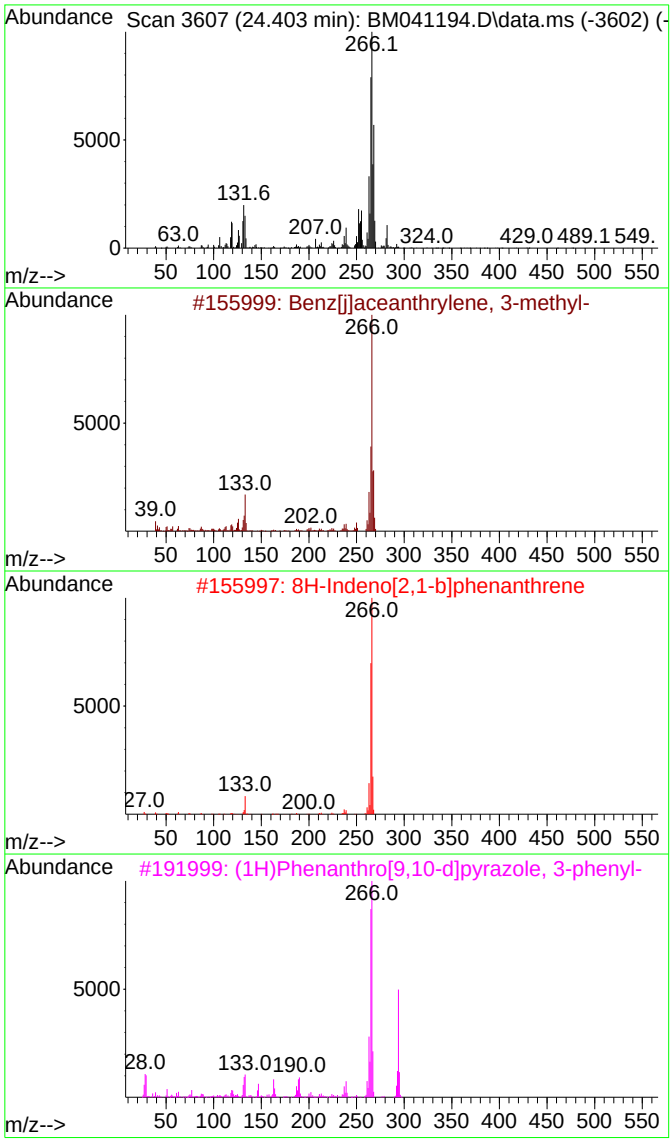
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

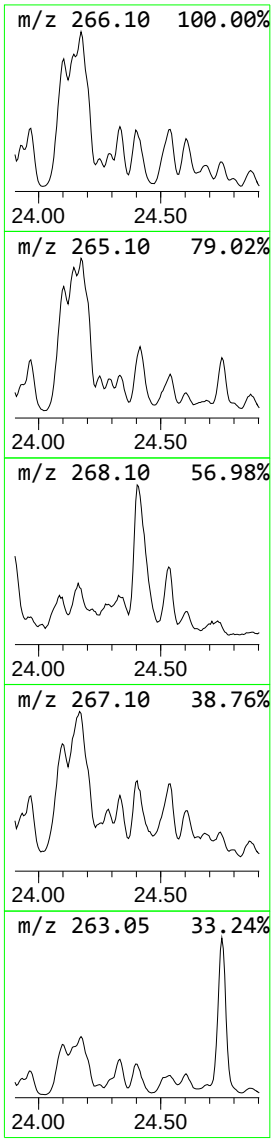
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benz[j]aceanthrylene, 3-met... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.403	29.70 ng	2215060	Perylene-d12	23.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	83
2	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	49
3	(1H)Phenanthro[9,10-d]pyrazole, ...	294	C21H14N2	037944-54-0	47
4	4-Iodo-2,5-dimethylthiophene-3-c...	266	C7H7IOS	030187-32-7	43
5	3-Chloro-11-methyl-11H-indolo[3,...	266	C16H11ClN2	155249-46-0	43





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Data File : BM041194.D
Acq On : 31 Jul 2023 18:03
Operator : MA/JU
Sample : 03768-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
FL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.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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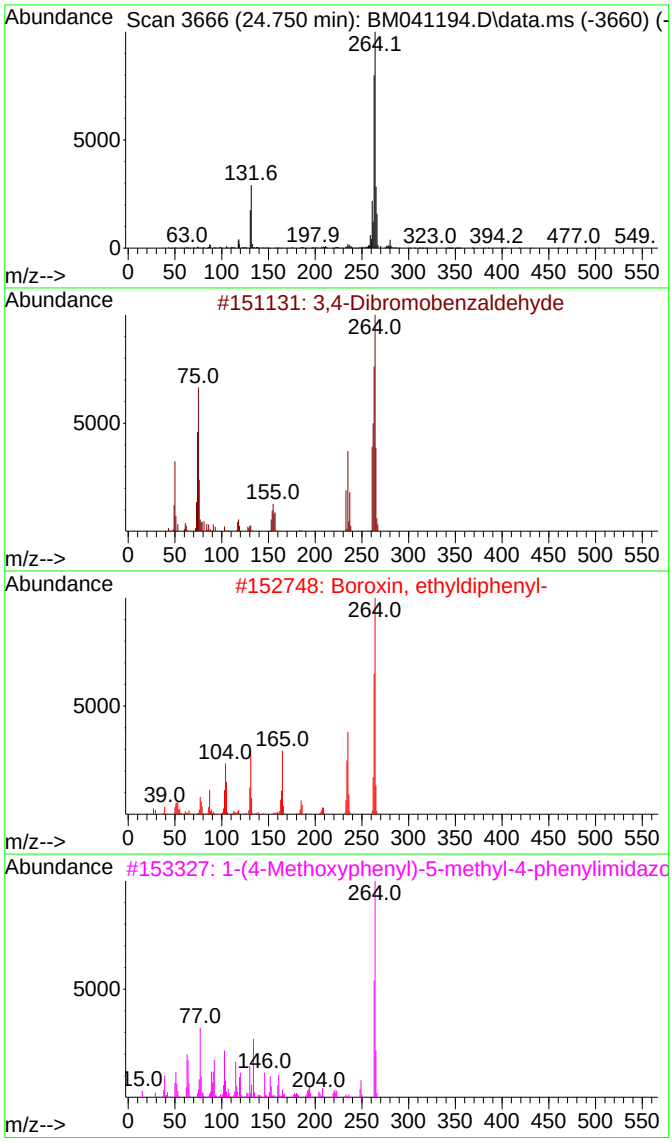
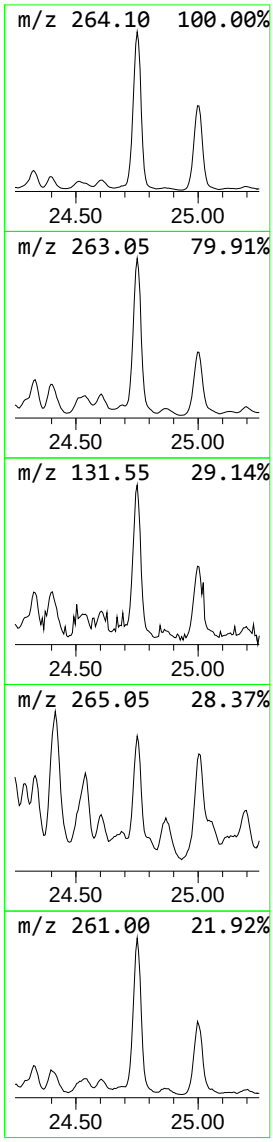
Peak Number 18 3,4-Dibromobenzaldehyde Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.750	44.36 ng	3308640	Perylene-d12	23.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	64
2	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	59
3	1-(4-Methoxyphenyl)-5-methyl-4-p...	264	C17H16N2O	1000436-38-1	53
4	1H-Isoindole-1,3(2H)-dione, 2-(2...	263	C17H13NO2	016307-59-8	38
5	2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	32





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM073123\
Data File : BM041194.D
Acq On : 31 Jul 2023 18:03
Operator : MA/JU
Sample : 03768-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
FL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.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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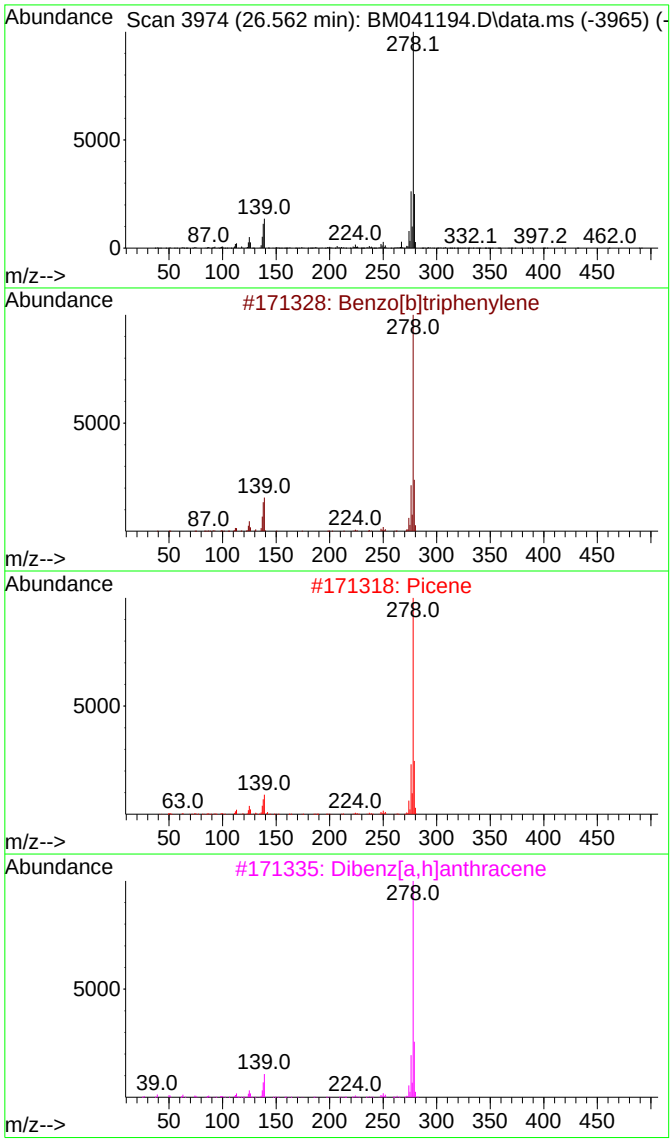
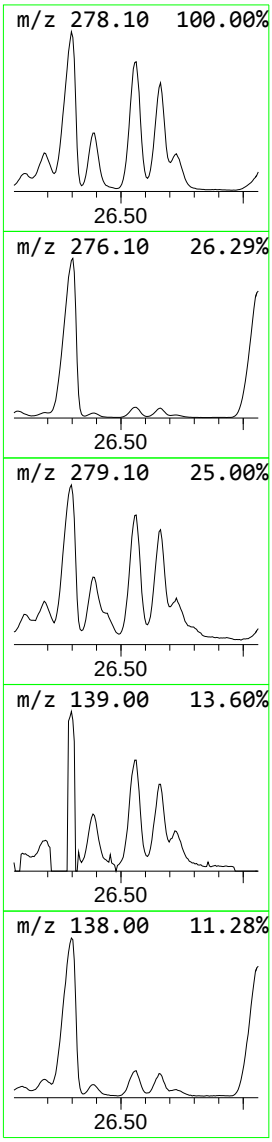
Peak Number 19 Benzo[b]triphenylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.562	47.45 ng	3538870	Perylene-d12	23.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	99
2	Picene	278	C22H14	000213-46-7	99
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
4	Benzo[b]chrysene	278	C22H14	000214-17-5	98
5	Pentaphene	278	C22H14	000222-93-5	98





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM073123\
Data File : BM041194.D
Acq On : 31 Jul 2023 18:03
Operator : MA/JU
Sample : 03768-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
FL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.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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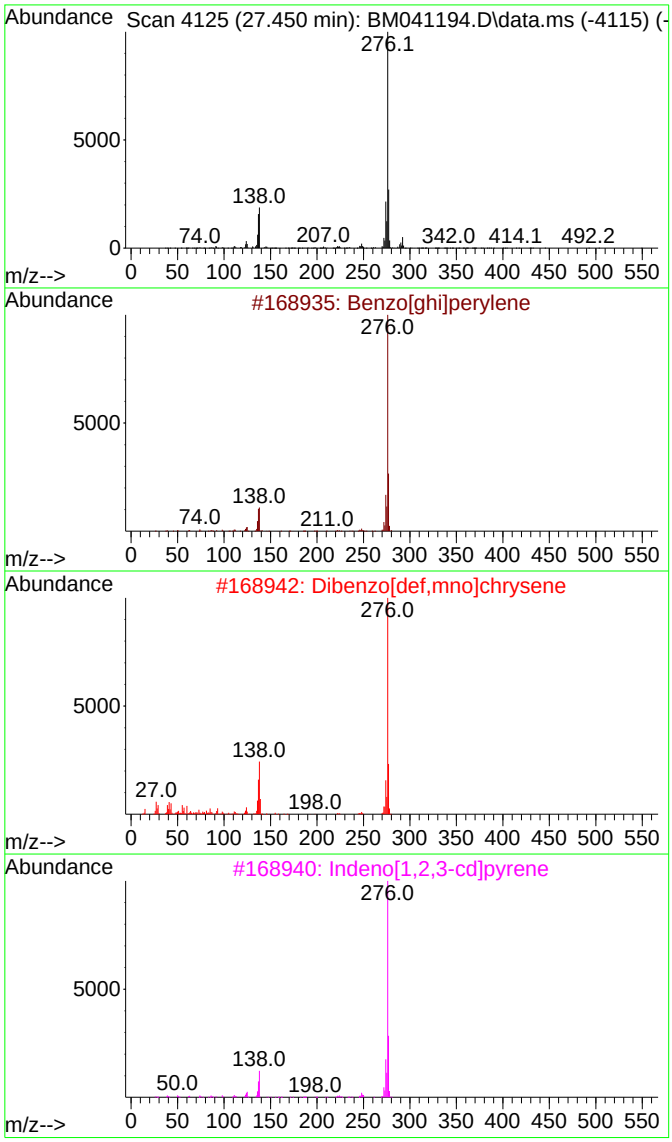
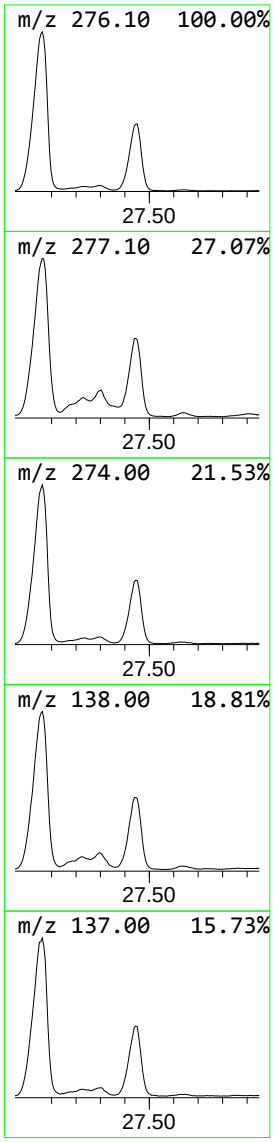
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.450	99.64 ng	7431120	Perylene-d12	23.815

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	98
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM073123\
Data File : BM041194.D
Acq On : 31 Jul 2023 18:03
Operator : MA/JU
Sample : 03768-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
FL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.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, 1-...	16.527	24.8	ng	2279200	4	17.227	1837150	20.0
Anthracene, 1,2...	16.974	22.4	ng	2054780	4	17.227	1837150	20.0
Dibenzothiophene	17.045	50.6	ng	4650880	4	17.227	1837150	20.0
Phenanthrene, 2...	18.104	67.4	ng	6187720	4	17.227	1837150	20.0
Phenanthrene, 1...	18.157	83.2	ng	7641960	4	17.227	1837150	20.0
1H-Cyclopropa[l...	18.239	36.4	ng	3342300	4	17.227	1837150	20.0
4H-Cyclopenta[d...	18.310	142.4	ng	13079900	4	17.227	1837150	20.0
Anthracene, 9-m...	18.339	30.1	ng	2762380	4	17.227	1837150	20.0
Naphthalene, 2-...	18.610	45.2	ng	4153150	4	17.227	1837150	20.0
Phenanthrene, 2...	19.027	27.9	ng	2563260	4	17.227	1837150	20.0
Benz(a)anthrace...	22.827	27.9	ng	2080370	6	23.815	1491600	20.0
Benzo[e]pyrene	23.280	77.9	ng	5809680	6	23.815	1491600	20.0
Benzo(a)pyrene ...	23.415	21.6	ng	1614160	6	23.815	1491600	20.0
Benzo[a]pyrene,...	23.503	32.1	ng	2394600	6	23.815	1491600	20.0
Perylene	23.621	247.3	ng	18447700	6	23.815	1491600	20.0
Benz[j]aceanthr...	24.403	29.7	ng	2215060	6	23.815	1491600	20.0
3,4-Dibromobenz...	24.750	44.4	ng	3308640	6	23.815	1491600	20.0
Benzo[b]triphen...	26.562	47.5	ng	3538870	6	23.815	1491600	20.0
Dibenzo[def,mno...	27.450	99.6	ng	7431120	6	23.815	1491600	20.0