LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042522.D
Acq On : 31 Oct 2023 21:59
Operator : MA/JU
Sample : 04938-09 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-5(0-2)

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-BM103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM042522.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.922	799	805	812	rBV	330980	510981	1.03%	0.084%
2	10.739	1277	1284	1289	rBV	403642	658027	1.33%	0.109%
3	14.574	1931	1936	1941	rVB	538219	775746	1.57%	0.128%
4	14.639	1941	1947	1954	rVB	2291463	3183451	6.43%	0.526%
5	14.969	1995	2003	2008	rBV	939150	1383689	2.80%	0.229%
6	15.621	2106	2114	2122	rBV	2135657	2896840	5.85%	0.478%
7	16.057	2179	2188	2195	rBV	367511	845223	1.71%	0.140%
8	16.616	2271	2283	2287	rBV3	295445	665901	1.35%	0.110%
9	16.992	2339	2347	2351	rBV	1089868	1488880	3.01%	0.246%
10	17.145	2366	2373	2386	rVB	1669381	2318137	4.68%	0.383%
11	17.333	2399	2405	2407	rBV	505129	898733	1.82%	0.148%
12	17.392	2407	2415	2420	rVV	15774439	37438972	75.65%	6.183%
13	17.474	2420	2429	2434	rVV	7317474	10500866	21.22%	1.734%
14	17.533	2434	2439	2444	rVB	618432	869108	1.76%	0.144%
15	17.715	2464	2470	2472	rBV	827627	1135655	2.29%	0.188%
16	17.757	2472	2477	2486	rVB	4772783	6732511	13.60%	1.112%
17	17.839	2486	2491	2498	rBV3	456540	881670	1.78%	0.146%
18	17.910	2498	2503	2511	rVB5	290933	629749	1.27%	0.104%
19	18.198	2545	2552	2556	rBV	2132252	3121188	6.31%	0.515%
20	18.245	2556	2560	2569	rVB	2807208	4113494	8.31%	0.679%
21	18.327	2569	2574	2579	rVB	919334	1224837	2.47%	0.202%
22	18.404	2579	2587	2590	rBV2	5141700	8499098	17.17%	1.404%
23	18.698	2632	2637	2643	rVB	2277987	2953045	5.97%	0.488%
24	18.774	2643	2650	2654	rBV	3795185	5310621	10.73%	0.877%
25	18.933	2673	2677	2682	rBV	437107	604298	1.22%	0.100%
26	19.104	2701	2706	2711	rBV	566532	960424	1.94%	0.159%
27	19.192	2711	2721	2727	rVB4	591345	1731789	3.50%	0.286%
28	19.298	2727	2739	2747	rVB	1601076	2978860	6.02%	0.492%
29	19.404	2748	2757	2761	rBV	15858906	44374155	89.66%	7.328%
30	19.498	2769	2773	2778	rVB	845479	1171483	2.37%	0.193%
31	19.633	2788	2796	2800	rVV	2100558	3533168	7.14%	0.583%
32	19.674	2800	2803	2809	rVV2	334868	635503	1.28%	0.105%
33	19.774	2809	2820	2823	rVV3	14824075	47275163	95.52%	7.807%
34	19.821	2826	2828	2832	rVB	1313998	1283125	2.59%	0.212%
35	19.927	2841	2846	2851	rBV	2427909	3286259	6.64%	0.543%
36	20.009	2855	2860	2864	rVB	3244661	4320617	8.73%	0.714%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
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Operator : MA/JU
Sample : 04938-09 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-5(0-2)

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-BM103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	20.062	2864	2869	2877	rVB3	2157780	4657954	9.41%	0.769%
38	20.151	2877	2884	2887	rBV	1472470	2302939	4.65%	0.380%
39	20.209	2887	2894	2895	rVV3	1601184	2670629	5.40%	0.441%
40	20.245	2896	2900	2904	rVB	4571065	6201005	12.53%	1.024%
41	20.292	2904	2908	2912	rBV2	394527	591247	1.19%	0.098%
42	20.345	2912	2917	2920	rVV	3527100	4404514	8.90%	0.727%
43	20.404	2920	2927	2930	rVV2	2504737	4668040	9.43%	0.771%
44	20.433	2930	2932	2936	rVV	1377554	1645158	3.32%	0.272%
45	20.474	2936	2939	2945	rVV3	667575	907110	1.83%	0.150%
46	20.539	2946	2950	2954	rVV	1463072	1934983	3.91%	0.320%
47	20.586	2954	2958	2965	rVV2	1602453	2307700	4.66%	0.381%
48	20.668	2969	2972	2977	rBV3	360258	573055	1.16%	0.095%
49	20.874	3001	3007	3009	rBV4	376102	666889	1.35%	0.110%
50	20.998	3023	3028	3037	rVB	3628980	5074514	10.25%	0.838%
51	21.156	3047	3055	3059	rBV	5306505	7556487	15.27%	1.248%
52	21.198	3059	3062	3065	rVV	4008010	4983051	10.07%	0.823%
53	21.239	3065	3069	3077	rVV3	4946920	8492927	17.16%	1.403%
54	21.309	3077	3081	3086	rVB	4037205	5261383	10.63%	0.869%
55	21.398	3089	3096	3104	rBV	1256744	2808392	5.67%	0.464%
56	21.515	3105	3116	3122	rBV3	13274426	42753343	86.39%	7.060%
57	21.580	3122	3127	3131	rVV2	12196609	25972735	52.48%	4.289%
58	21.686	3140	3145	3150	rBV	5733591	8000174	16.17%	1.321%
59	21.745	3150	3155	3158	rBV2	1199391	1673233	3.38%	0.276%
60	21.809	3162	3166	3169	rBV	1671680	2387223	4.82%	0.394%
61	21.839	3169	3171	3173	rVV	1207766	1395940	2.82%	0.231%
62	21.862	3173	3175	3179	rVB	1992743	2177081	4.40%	0.360%
63	21.980	3191	3195	3199	rVB3	479243	660359	1.33%	0.109%
64	22.027	3199	3203	3205	rVV	839803	1203254	2.43%	0.199%
65	22.092	3206	3214	3218	rVV2	2883000	6276451	12.68%	1.037%
66	22.145	3219	3223	3226	rVV	1383457	2134495	4.31%	0.352%
67	22.174	3226	3228	3231	rVV	948334	1158635	2.34%	0.191%
68	22.221	3232	3236	3239	rVV	947963	1694412	3.42%	0.280%
69	22.256	3239	3242	3246	rVV3	1125009	1822334	3.68%	0.301%
70	22.303	3246	3250	3254	rVV2	2100738	3742387	7.56%	0.618%
71	22.345	3254	3257	3262	rVV	1697512	2524828	5.10%	0.417%
72	22.403	3262	3267	3277	rVB4	1332777	2586719	5.23%	0.427%
73	22.627	3299	3305	3310	rBV2	1561028	3313783	6.70%	0.547%
74	22.933	3351	3357	3365	rBV	1656352	3521696	7.12%	0.582%
75	23.121	3382	3389	3396	rBV2	500019	1641531	3.32%	0.271%
76	23.250	3396	3411	3416	rBV2	11318276	49489926	100.00%	8.173%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
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Acq On : 31 Oct 2023 21:59
Operator : MA/JU
Sample : 04938-09 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-5(0-2)

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-BM103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	23.327	3422	3424	3430	rVB2	1135293	1552591	3.14%	0.256%
78	23.409	3431	3438	3444	rBV	3657310	6512919	13.16%	1.076%
79	23.556	3455	3463	3470	rBV2	823664	2435671	4.92%	0.402%
80	23.639	3471	3477	3487	rVV4	763862	3084312	6.23%	0.509%
81	23.774	3488	3500	3509	rVV	8386197	25832935	52.20%	4.266%
82	23.903	3509	3522	3528	rVB	10469227	33886256	68.47%	5.596%
83	23.968	3529	3533	3536	rBV3	544179	942306	1.90%	0.156%
84	24.039	3536	3545	3553	rVB	5517743	12770226	25.80%	2.109%
85	24.186	3567	3570	3574	rBV3	352010	643751	1.30%	0.106%
86	24.915	3688	3694	3706	rVB2	1006537	2596501	5.25%	0.429%
87	25.180	3734	3739	3750	rVB4	409150	1067110	2.16%	0.176%
88	26.585	3957	3978	3983	rVV2	6069170	28334168	57.25%	4.679%
89	26.644	3984	3988	3996	rVB	632398	1367719	2.76%	0.226%
90	26.821	4009	4018	4027	rBV2	1298056	4340342	8.77%	0.717%
91	26.933	4030	4037	4044	rVV	826339	2394950	4.84%	0.396%
92	27.397	4093	4116	4126	rVB2	4797195	26108703	52.76%	4.312%
93	27.774	4168	4180	4193	rVB2	1705863	6637962	13.41%	1.096%

Sum of corrected areas: 605538204

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042522.D
Acq On : 31 Oct 2023 21:59
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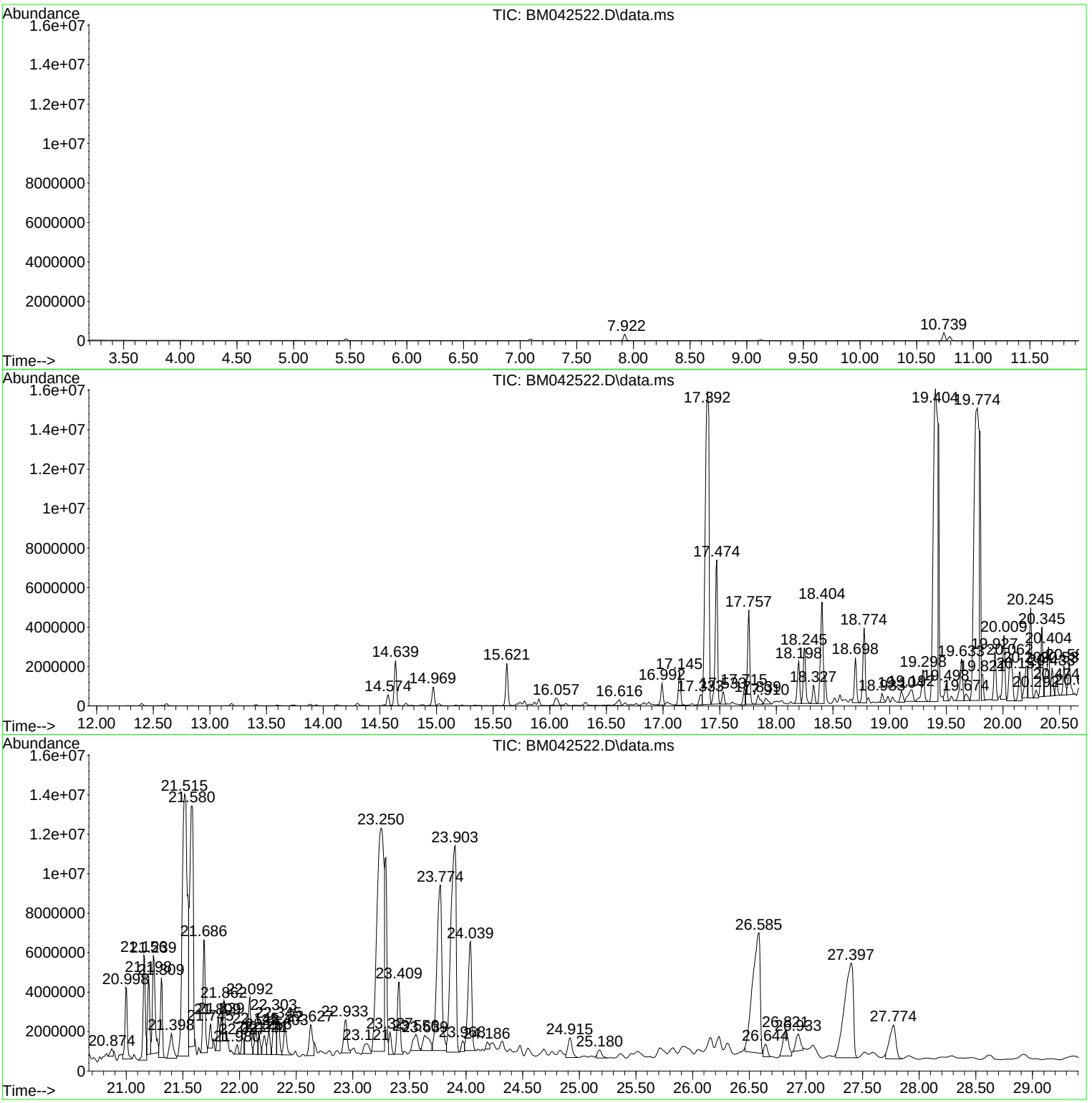
Sample : 04938-09 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-5(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.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\BM103123\
Data File : BM042522.D
Acq On : 31 Oct 2023 21:59
Operator : MA/JU
Sample : 04938-09 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-5(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

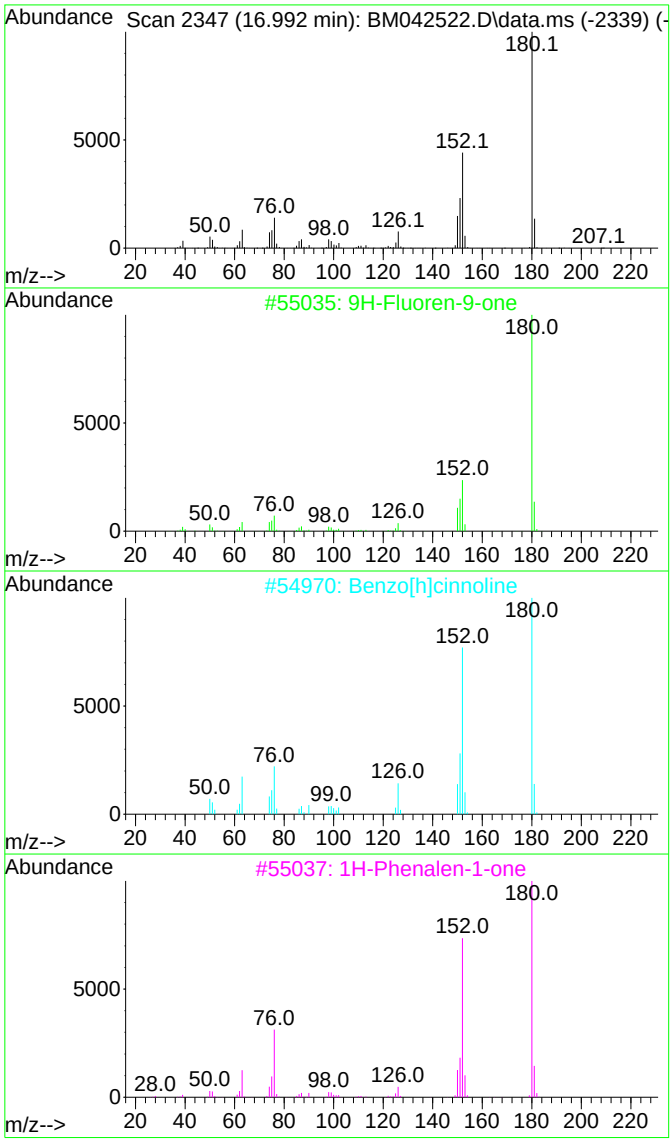
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

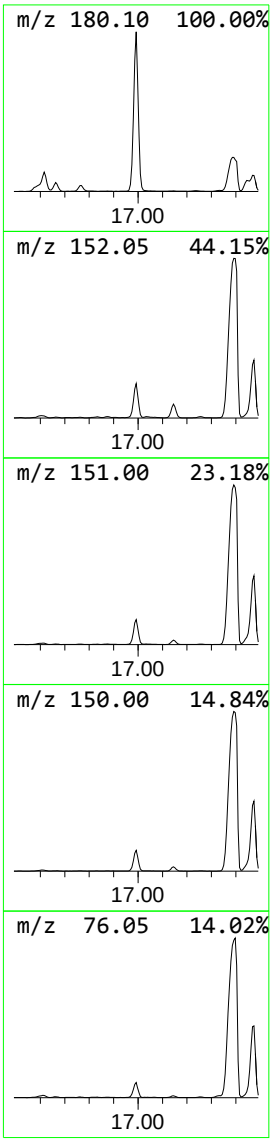
****

Peak Number 1 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.992	33.13 ng	1488880	Phenanthrene-d10	17.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	53
5	Phenazine	180	C12H8N2	000092-82-0	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042522.D
Acq On : 31 Oct 2023 21:59
Operator : MA/JU
Sample : 04938-09 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-5(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

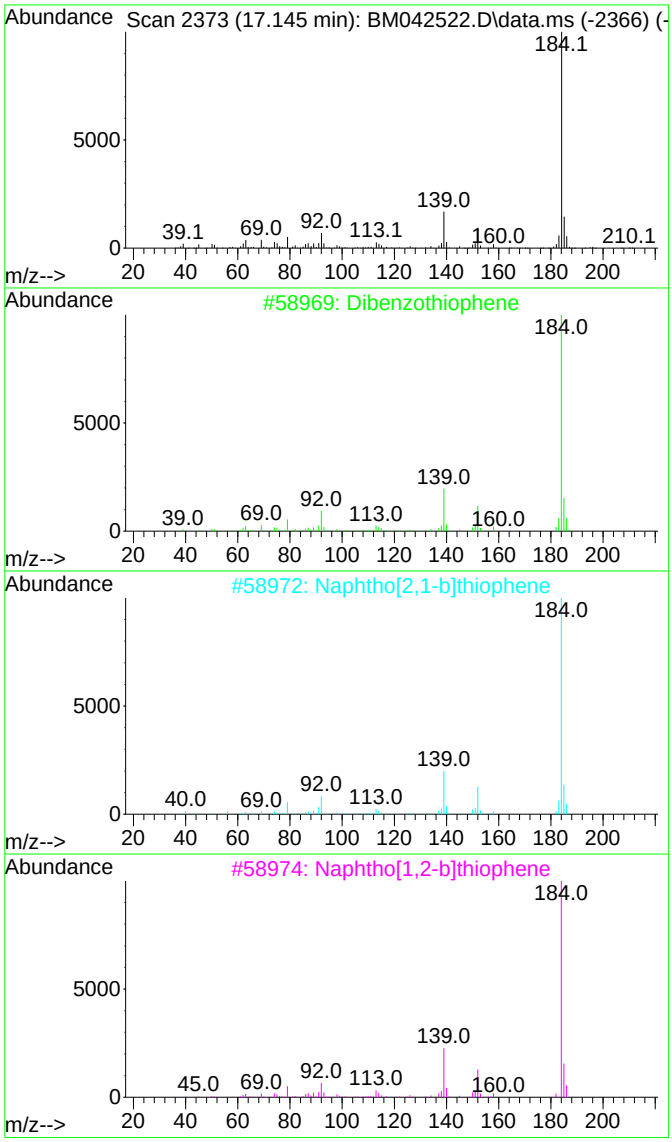
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

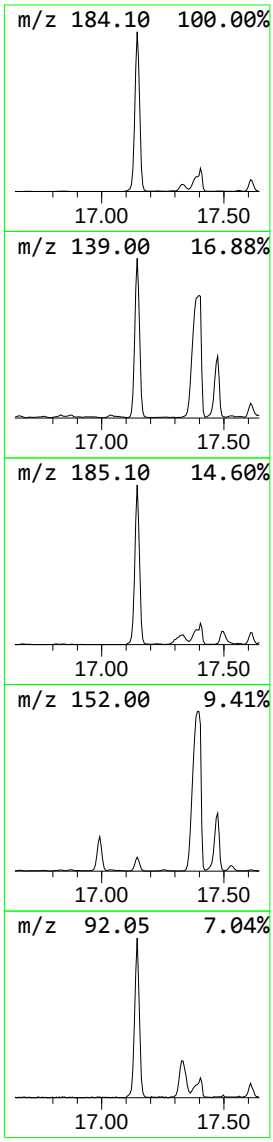
****

Peak Number 2 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.145	51.59 ng	2318140	Phenanthrene-d10	17.333

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	97
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
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Sample : 04938-09 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-5(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.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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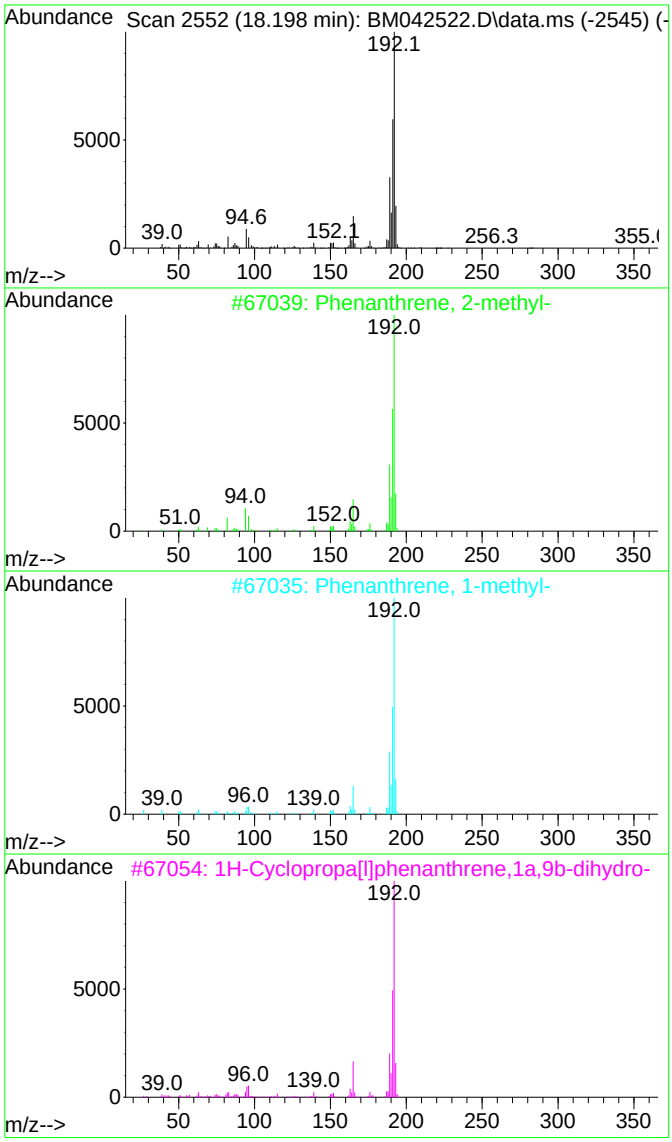
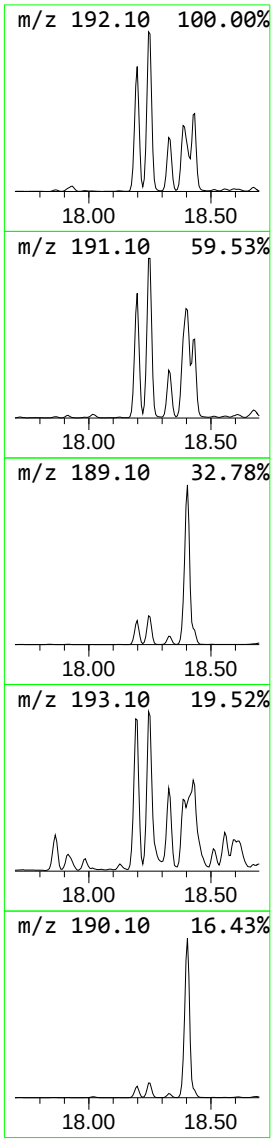
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.198	69.46 ng	3121190	Phenanthrene-d10	17.333

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
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Sample : 04938-09 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-5(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

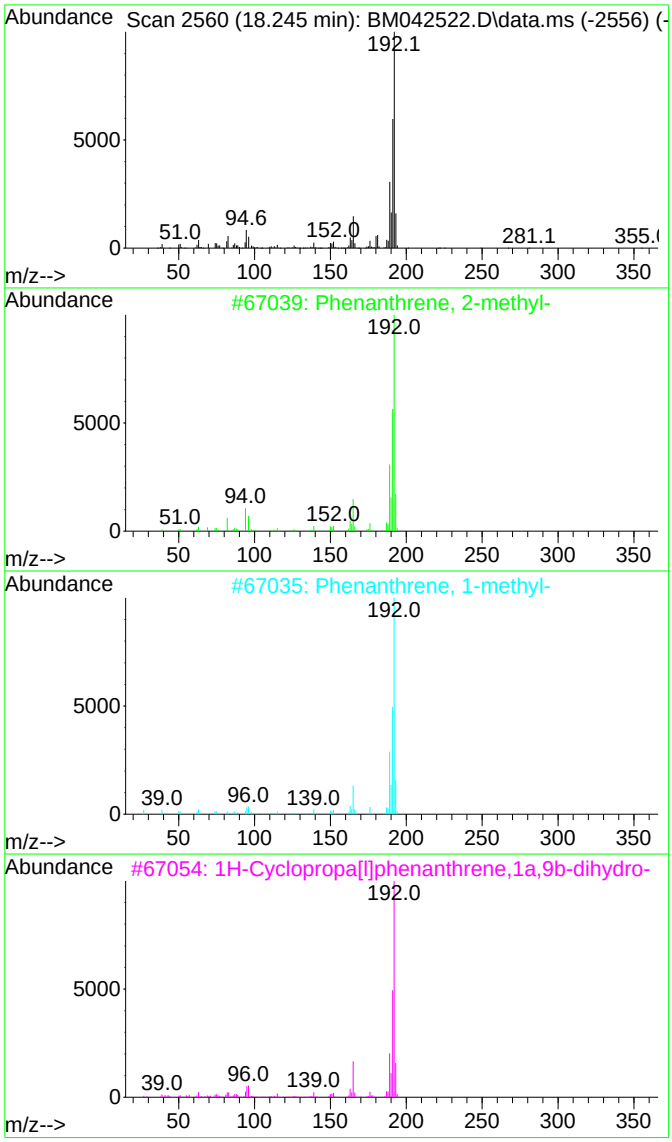
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

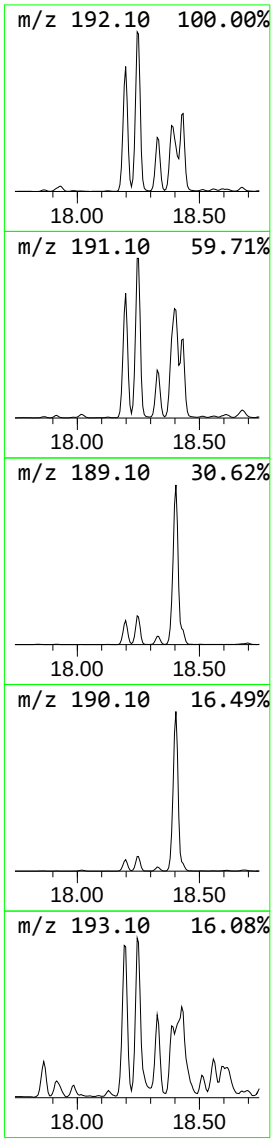
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.245	91.54 ng	4113490	Phenanthrene-d10	17.333

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	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042522.D
Acq On : 31 Oct 2023 21:59
Operator : MA/JU
Sample : 04938-09 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-5(0-2)

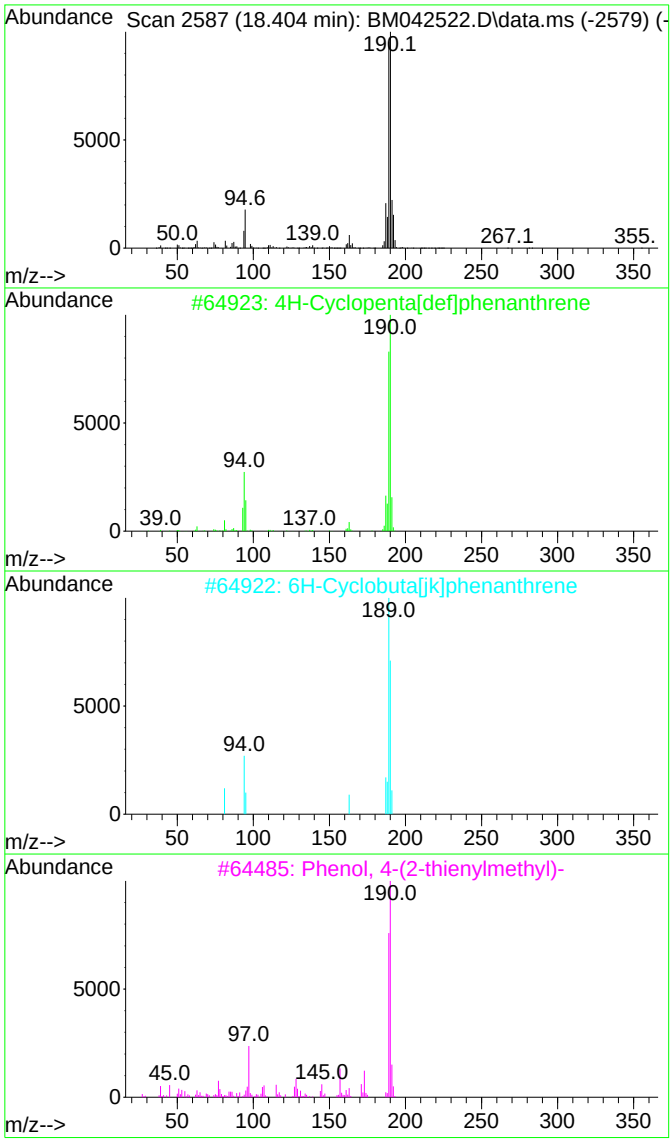
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

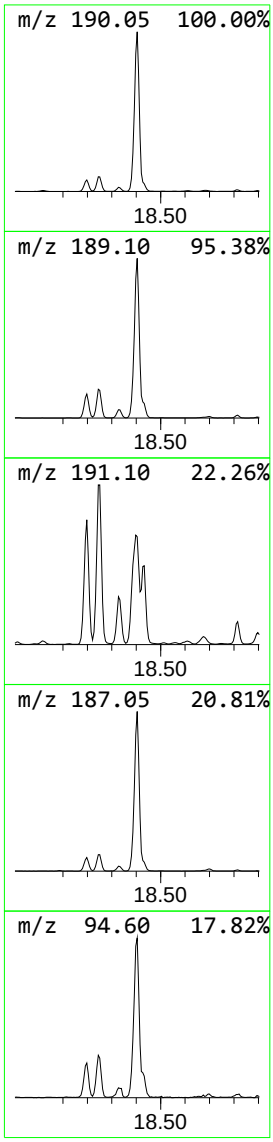
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.404	189.13 ng	8499100	Phenanthrene-d10	17.333

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	72
3	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	59
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Acq On : 31 Oct 2023 21:59
Operator : MA/JU
Sample : 04938-09 10X
Misc :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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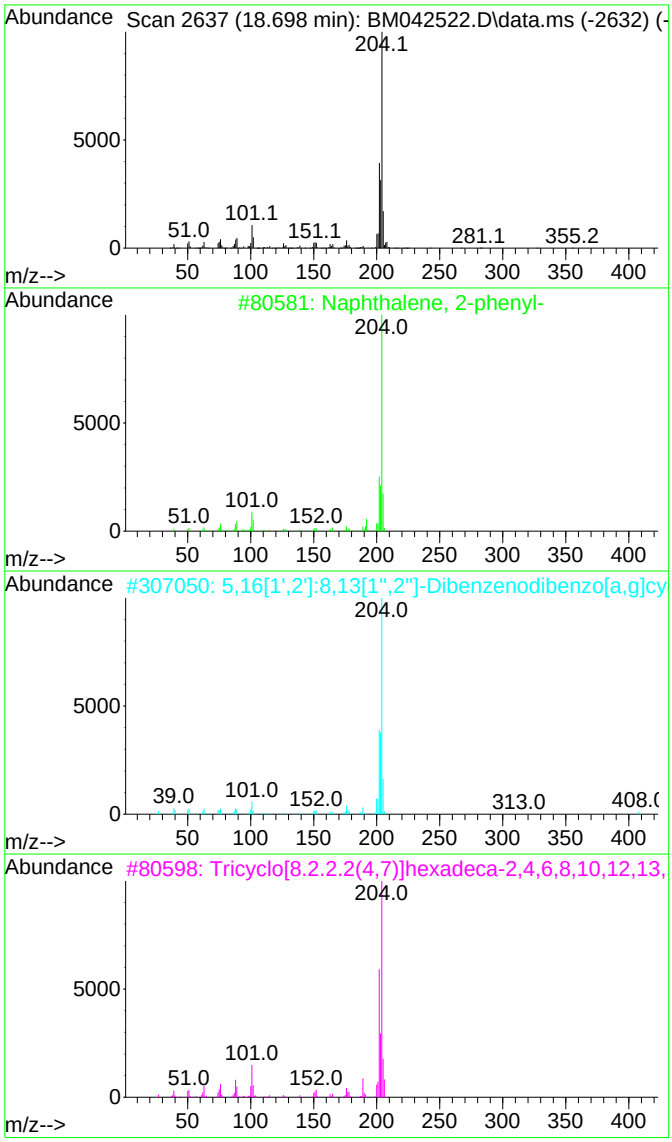
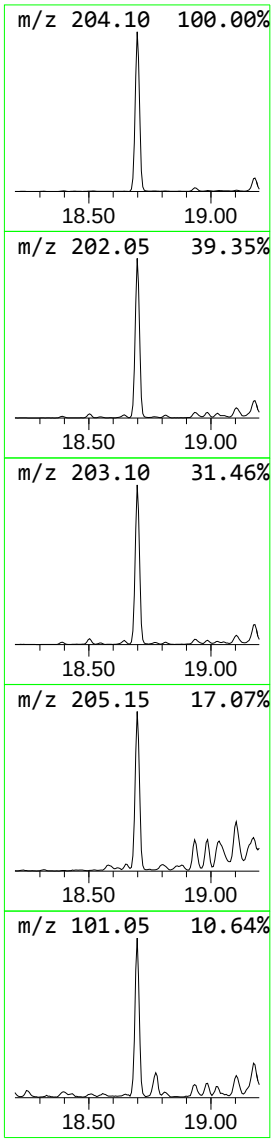
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.698	65.72 ng	2953050	Phenanthrene-d10	17.333

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	90
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	59





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ALS Vial : 11 Sample Multiplier: 1

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

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

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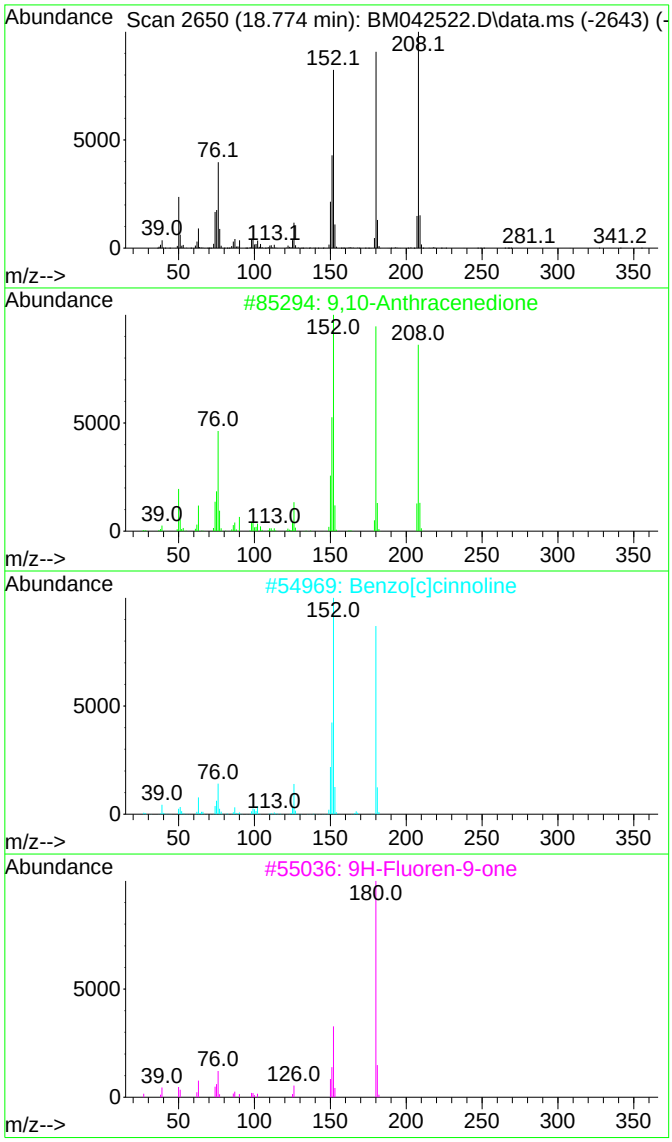
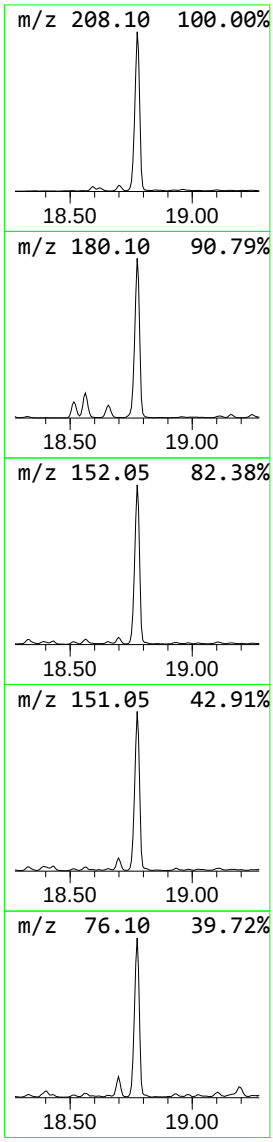
Peak Number 7 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.774	118.18 ng	5310620	Phenanthrene-d10	17.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	92
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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

TIC Library : C:\Database\NIST20.L
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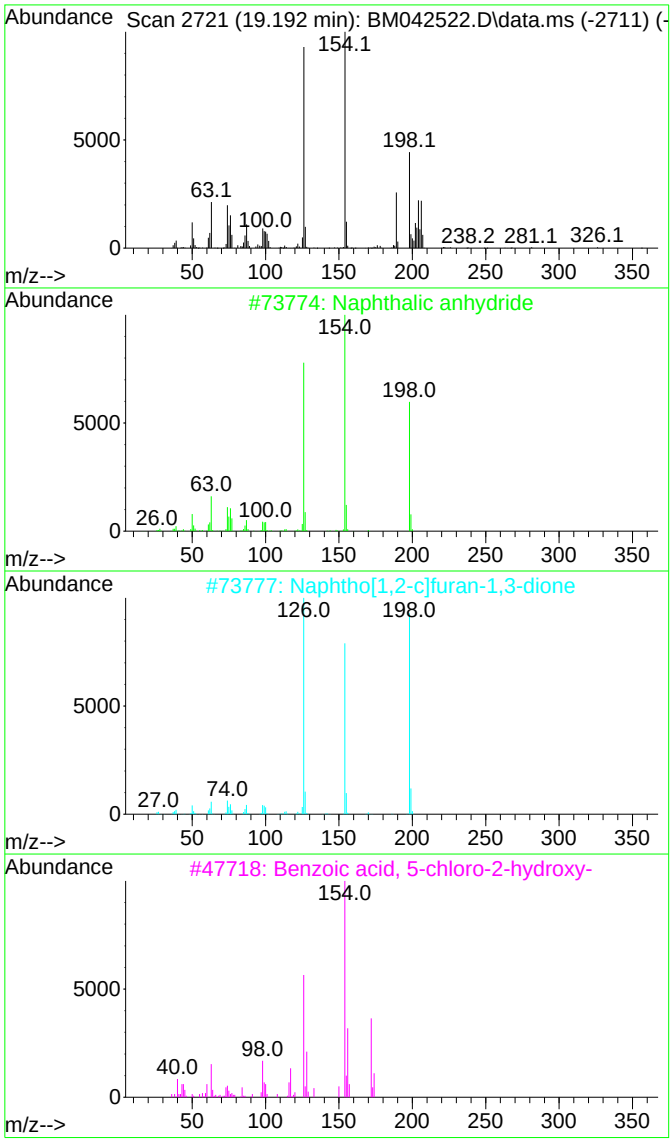
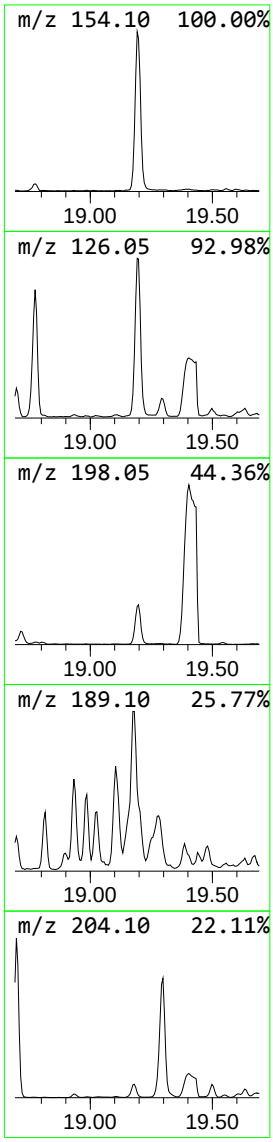
Peak Number 8 Naphthalic anhydride Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.192	38.54 ng	1731790	Phenanthrene-d10	17.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	98
2	Naphtho[1,2-c]furan-1,3-dione	198	C12H6O3	005343-99-7	58
3	Benzoic acid, 5-chloro-2-hydroxy-	172	C7H5ClO3	000321-14-2	47
4	Benzothiazole, 4,5,6,7-tetrahydr...	154	C7H10N2S	002933-29-1	47
5	1,4-Diethynylbenzene	126	C10H6	000935-14-8	35





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ClientSampleId :
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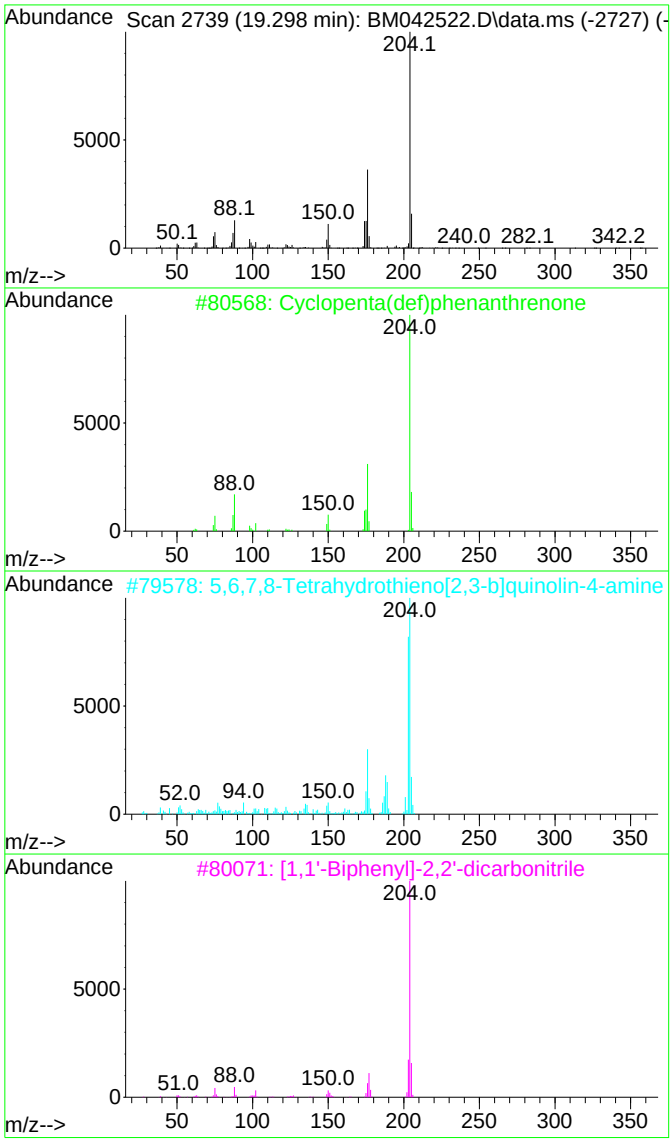
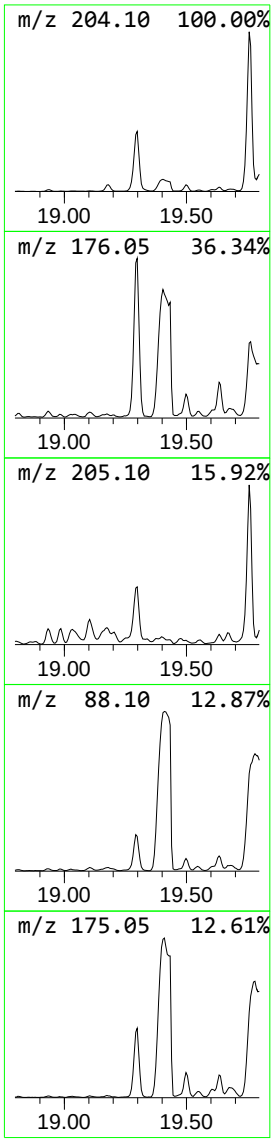
****
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.298	66.29 ng	2978860	Phenanthrene-d10	17.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	64
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
4	Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	47
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	40





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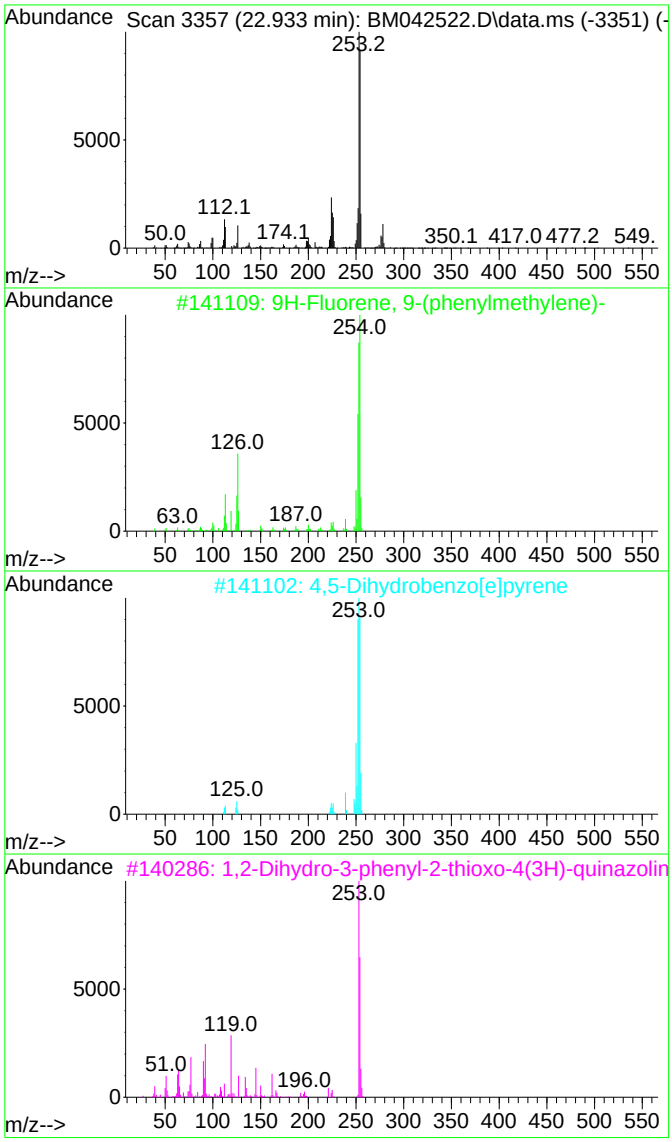
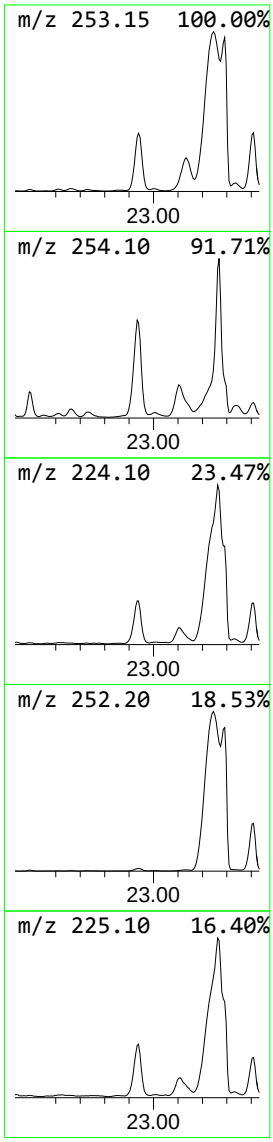
****
Peak Number 10 9H-Fluorene, 9-(phenylmethy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.933	74.75 ng	3521700	Perylene-d12	23.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	59
2	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	59
3	1,2-Dihydro-3-phenyl-2-thioxo-4(...	254	C14H10N2OS	018741-24-7	59
4	1,1'-Binaphthalene	254	C20H14	000604-53-5	59
5	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	59





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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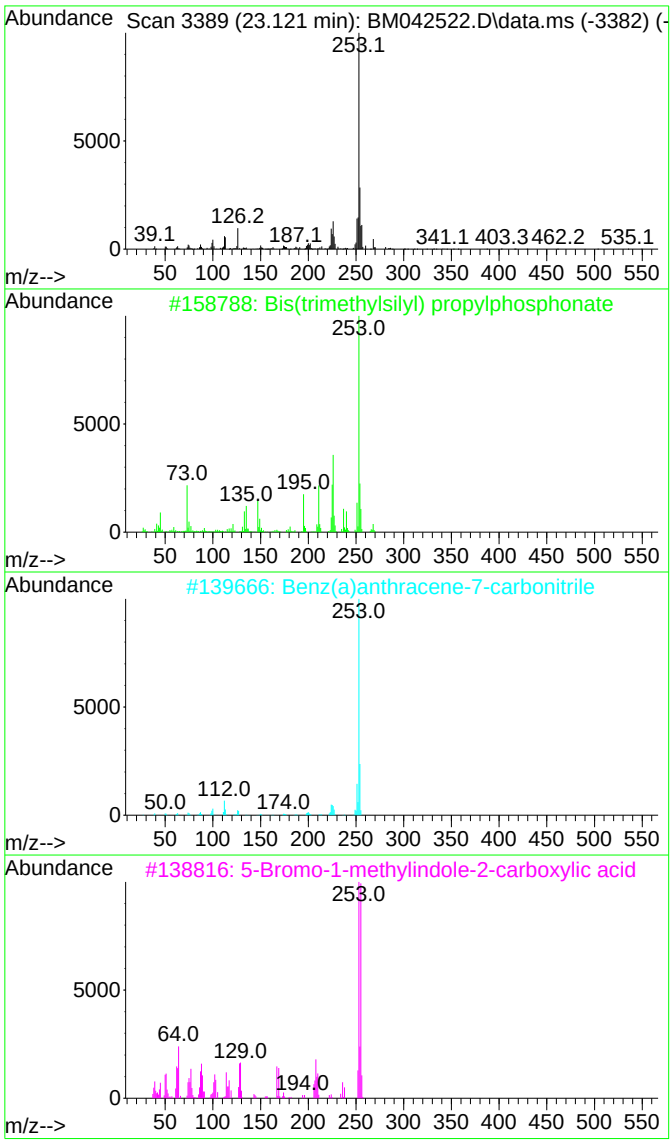
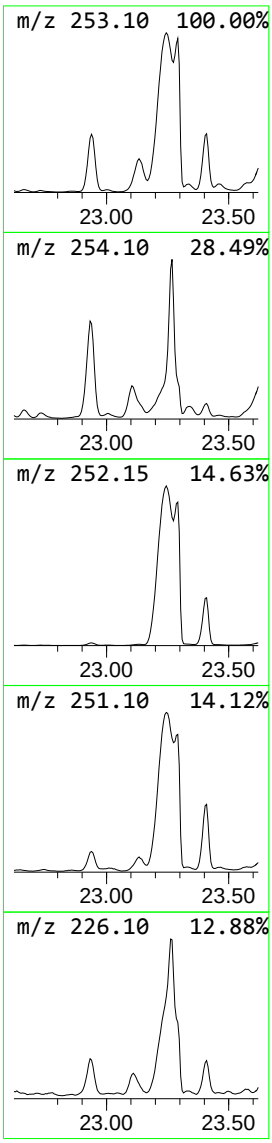
****
Peak Number 11 Bis(trimethylsilyl) propylp... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.121	34.84 ng	1641530	Perylene-d12	23.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bis(trimethylsilyl) propylphosph...	268	C9H25O3PSi2	1000193-07-4	64
2	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	62
3	5-Bromo-1-methylindole-2-carboxy...	253	C10H8BrNO2	090766-47-5	52
4	6-Bromo-1-methyl-1H-indole-2-car...	253	C10H8BrNO2	885121-33-5	50
5	Benzimidazol-5-amine, 1-(4-ethox...	253	C15H15N3O	007104-62-3	50





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

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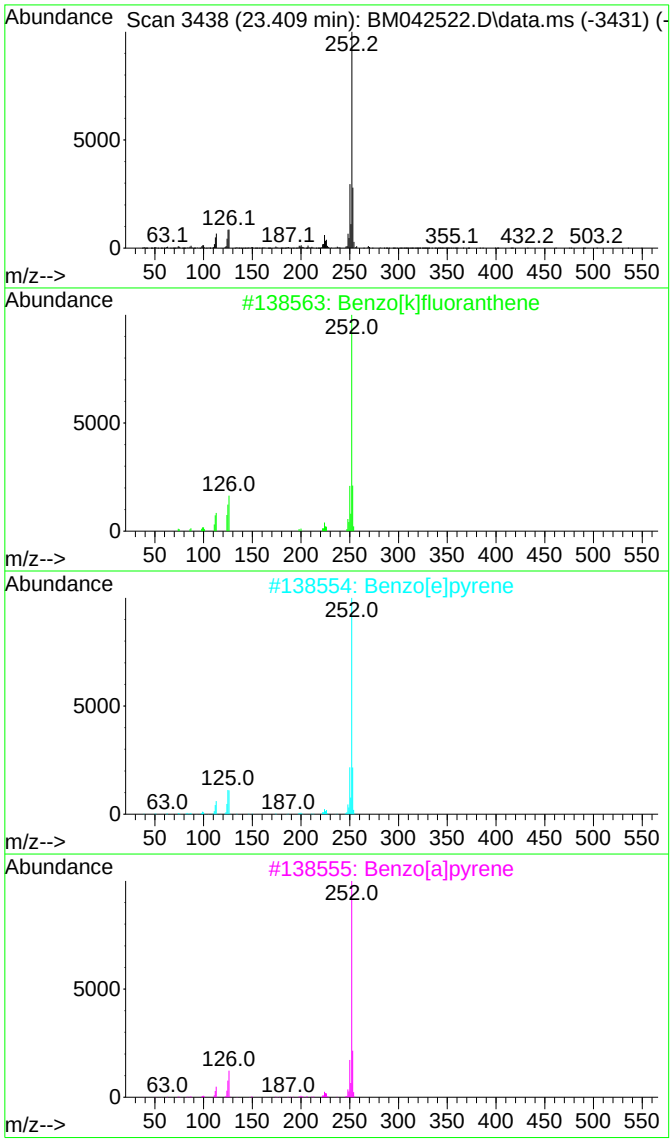
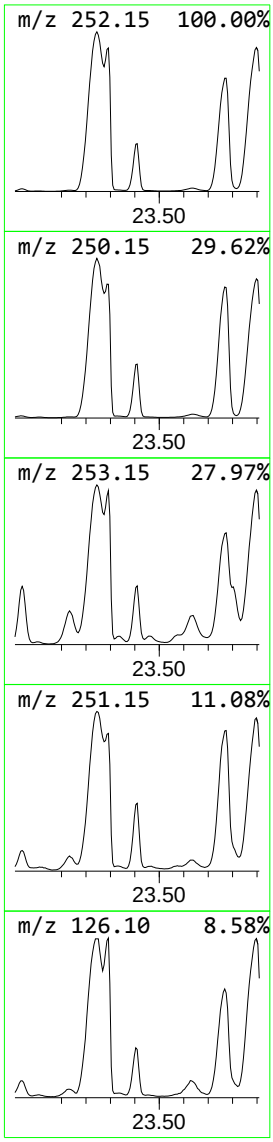
Peak Number 12 Benzo[j]fluoranthene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.409	138.23 ng	6512920	Perylene-d12	23.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	86
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





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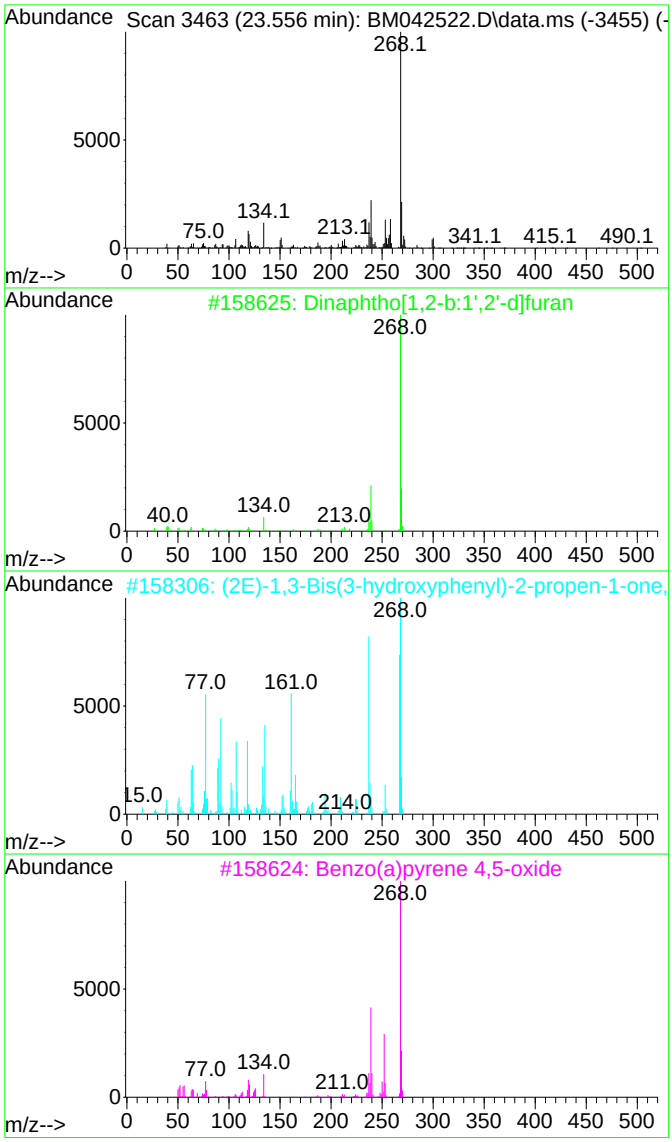
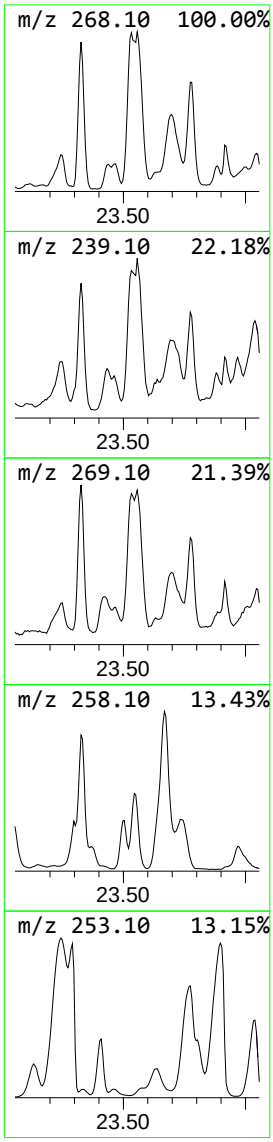
Peak Number 13 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.556	51.70 ng	2435670	Perylene-d12	23.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
2	(2E)-1,3-Bis(3-hydroxyphenyl)-2-...	268	C17H16O3	1000504-86-0	70
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64
4	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	64
5	1-(4-[2-(4-Methoxymethylphenyl)v...	268	C18H20O2	1000202-15-4	62





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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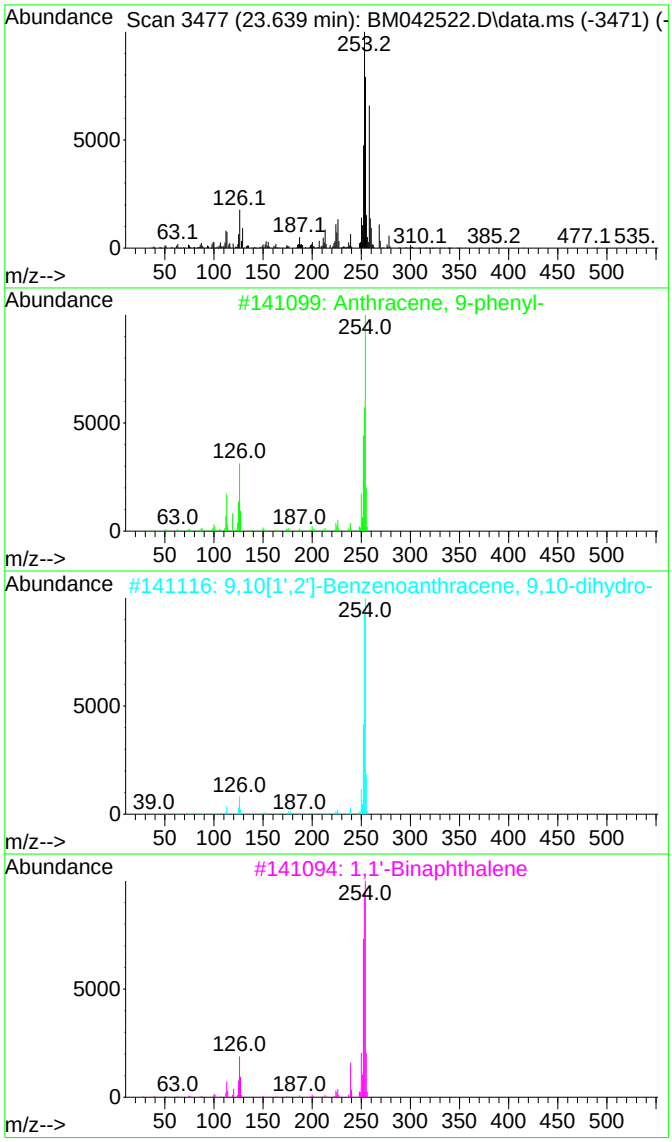
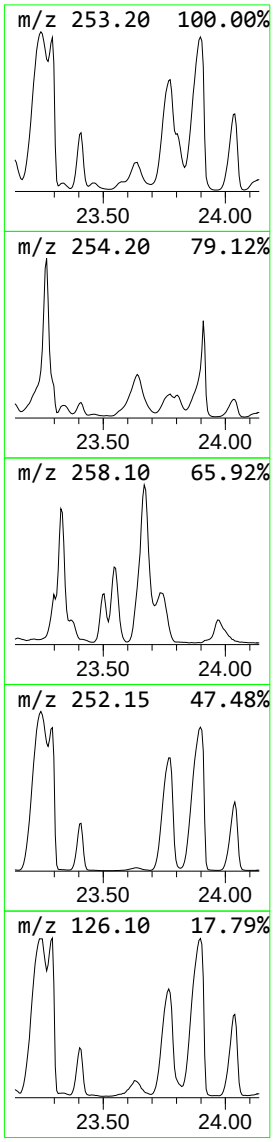
Peak Number 14 Anthracene, 9-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.639	65.46 ng	3084310	Perylene-d12	23.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	84
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	60
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	55
4	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	49
5	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	49





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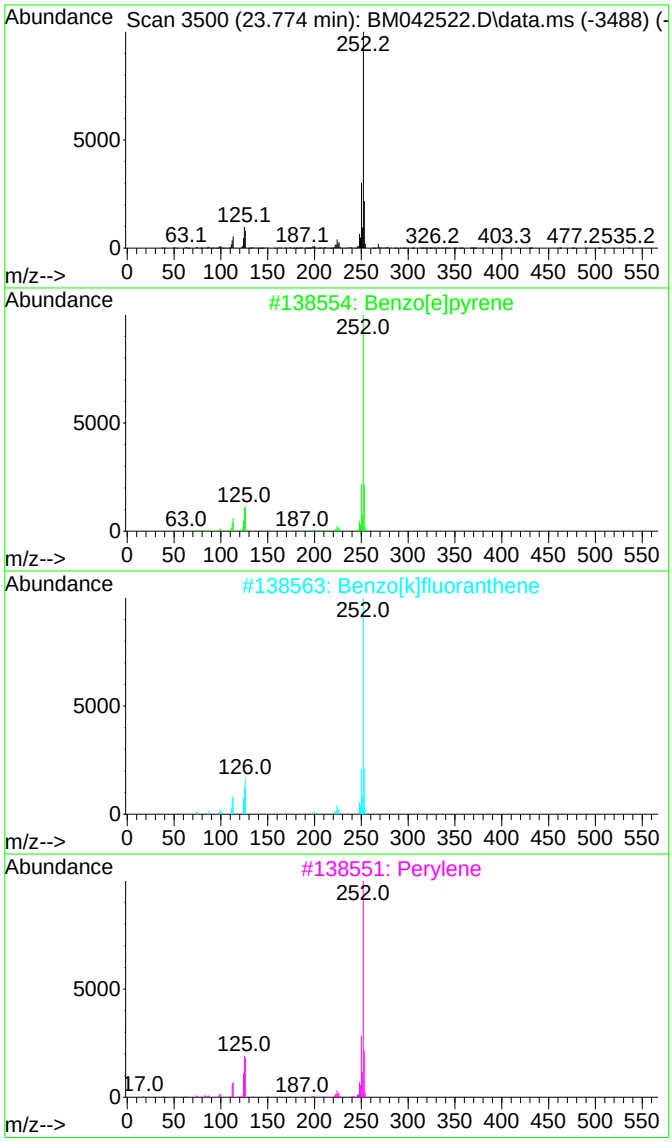
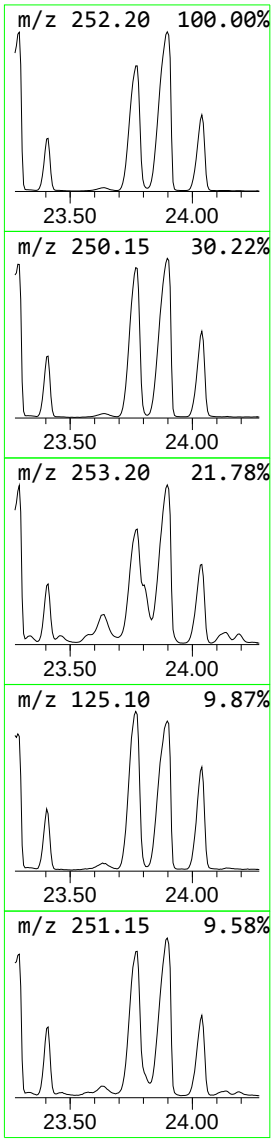
Peak Number 15 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.774	548.29 ng	25832900	Perylene-d12	23.968

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	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





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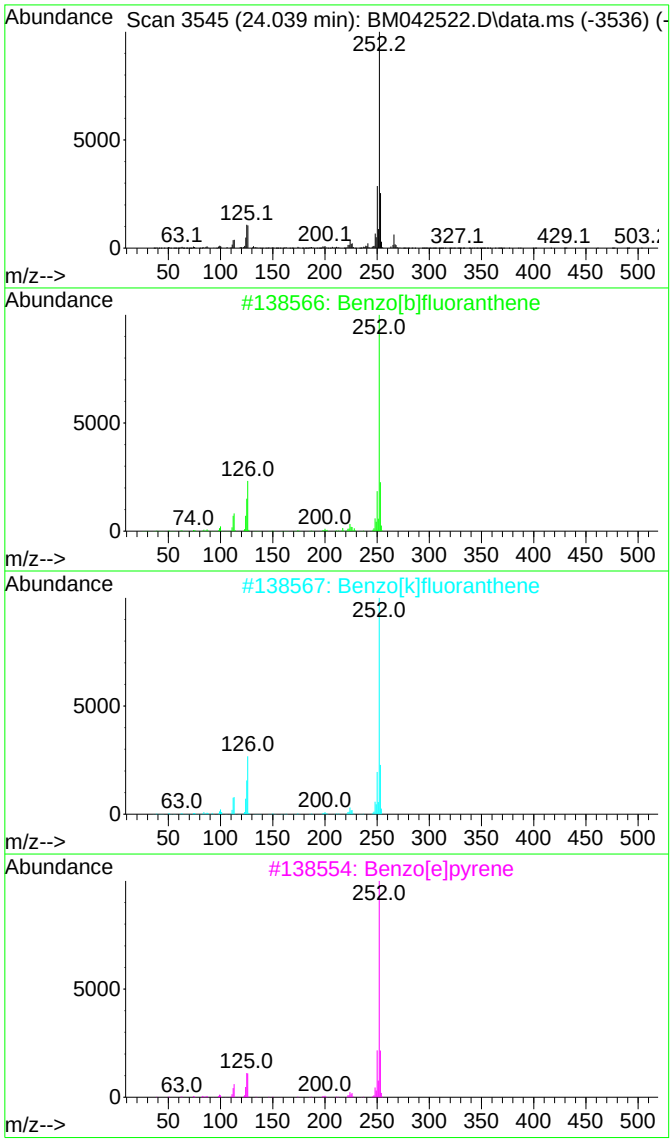
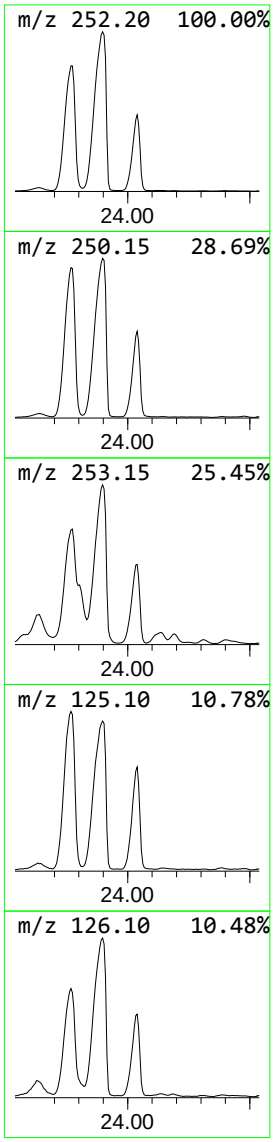
Peak Number 16 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.039	271.04 ng	12770200	Perylene-d12	23.968

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042522.D
Acq On : 31 Oct 2023 21:59
Operator : MA/JU
Sample : 04938-09 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-5(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.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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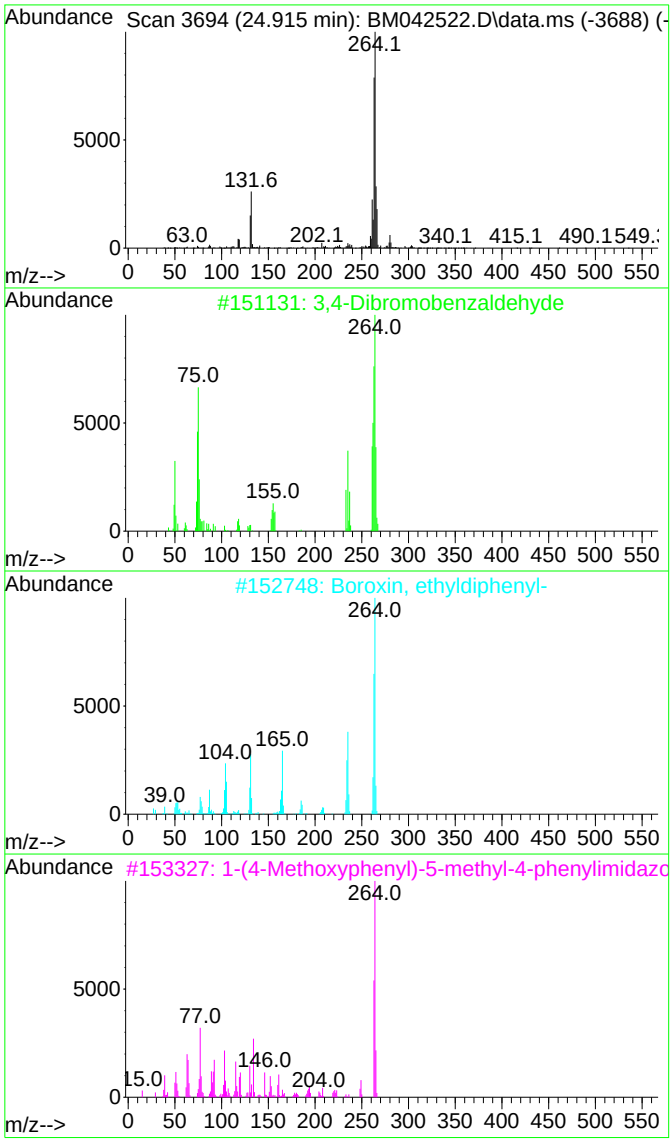
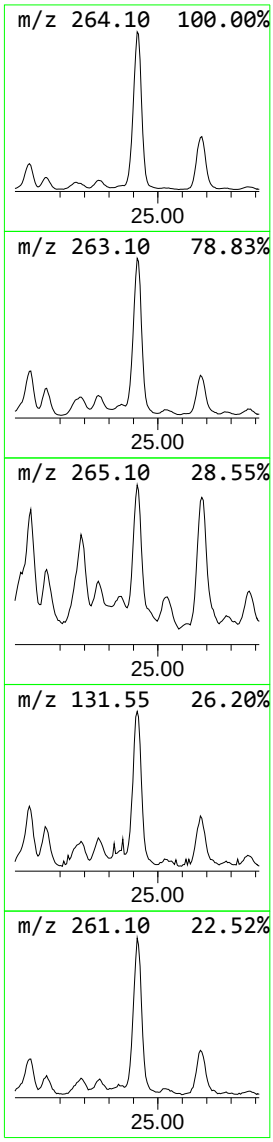
Peak Number 17 3,4-Dibromobenzaldehyde Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.915	55.11 ng	2596500	Perylene-d12	23.968

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	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	53
5	Quinoxaline, 2-isopropyl-3-pheny...	264	C17H16N2O	016007-79-7	52





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Data File : BM042522.D
Acq On : 31 Oct 2023 21:59
Operator : MA/JU
Sample : 04938-09 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-5(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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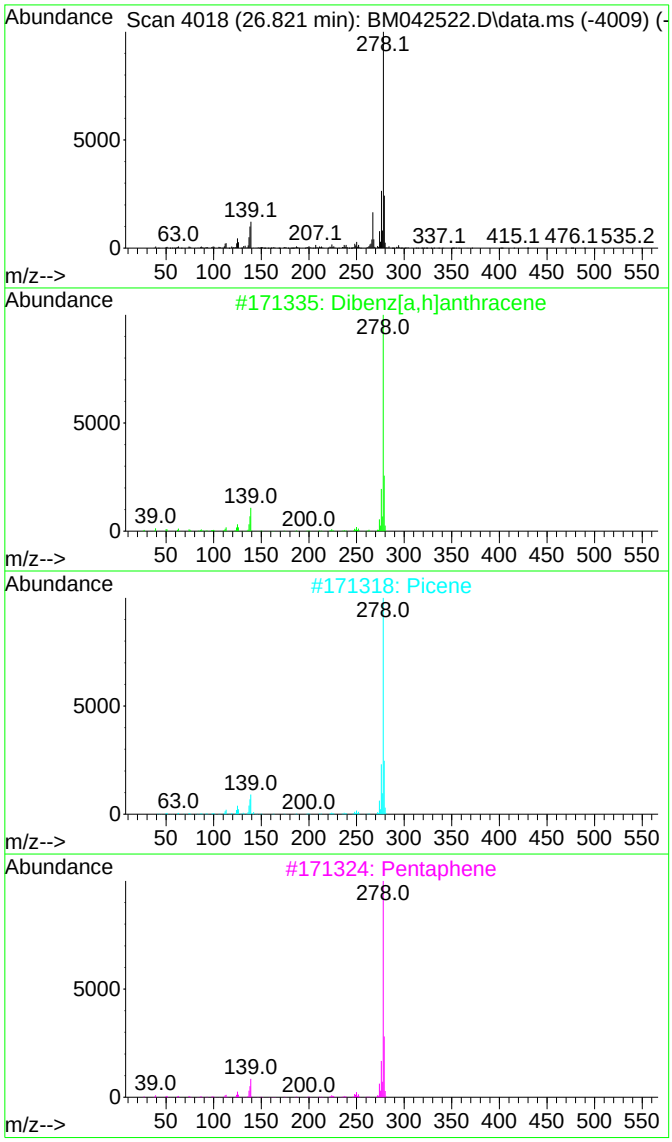
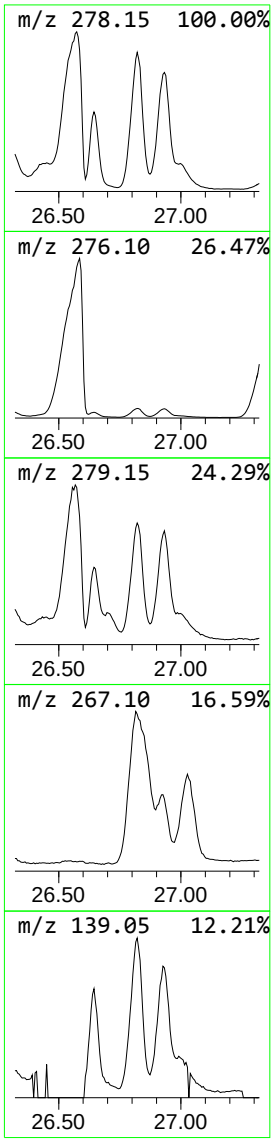
Peak Number 18 Picene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.821	92.12 ng	4340340	Perylene-d12	23.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	99
2	Picene	278	C22H14	000213-46-7	98
3	Pentaphene	278	C22H14	000222-93-5	97
4	Pentacene	278	C22H14	000135-48-8	97
5	Benzo[b]chrysene	278	C22H14	000214-17-5	97





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Data File : BM042522.D
Acq On : 31 Oct 2023 21:59
Operator : MA/JU
Sample : 04938-09 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-5(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.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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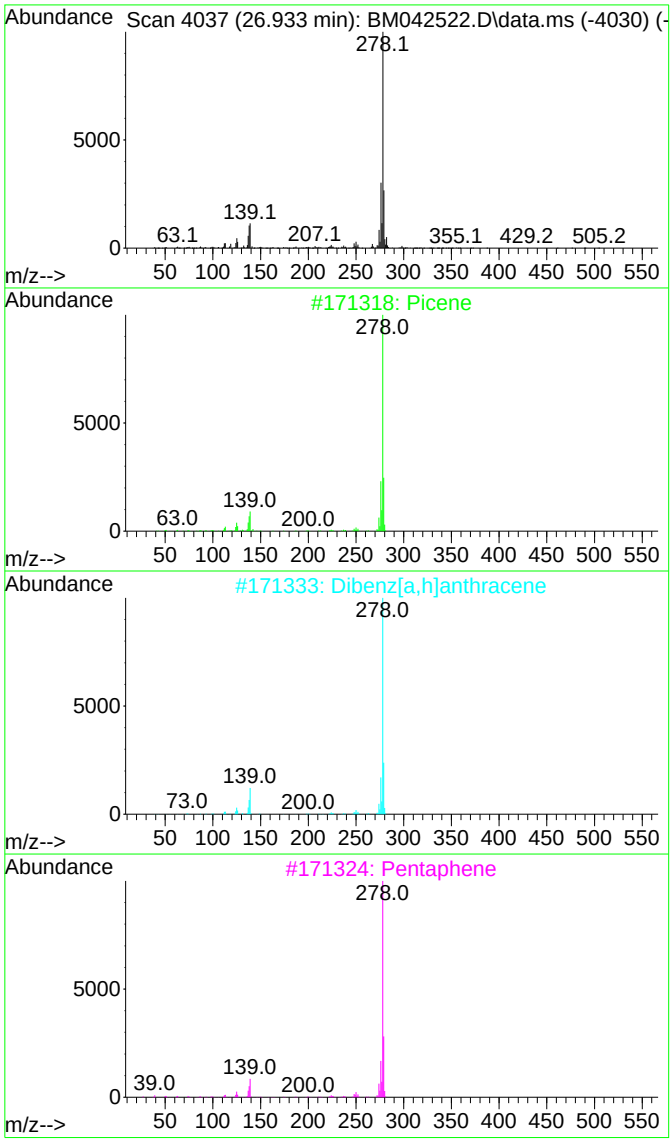
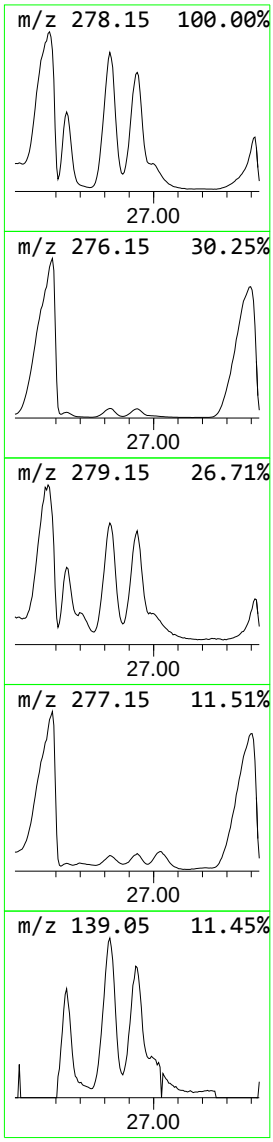
Peak Number 19 Pentaphene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.933	50.83 ng	2394950	Perylene-d12	23.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	99
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3	Pentaphene	278	C22H14	000222-93-5	96
4	Benzo[b]chrysene	278	C22H14	000214-17-5	96
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	96





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Data File : BM042522.D
Acq On : 31 Oct 2023 21:59
Operator : MA/JU
Sample : 04938-09 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-5(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.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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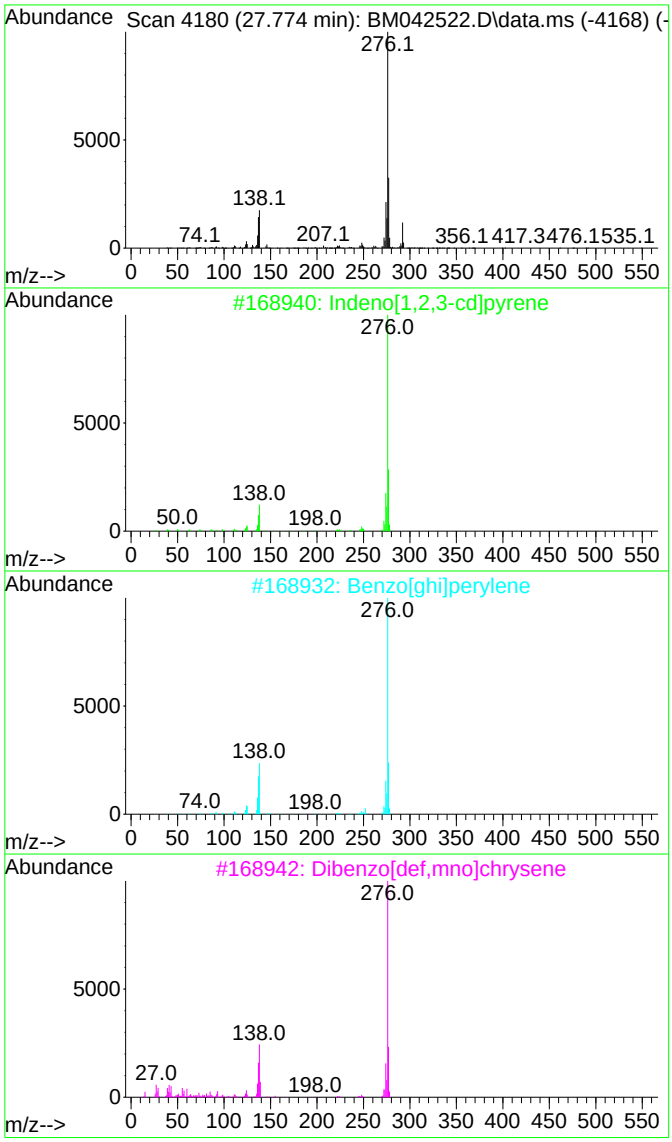
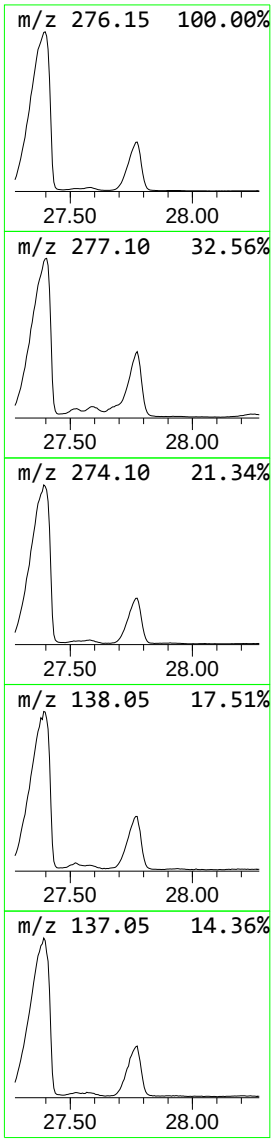
Peak Number 20 unknown27.774 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.774	140.89 ng	6637960	Perylene-d12	23.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	96
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	76
5	1,4-benzenediamine, N4,N4-dimeth...	276	C14H16N2O2S	1000401-83-2	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
Data File : BM042522.D
Acq On : 31 Oct 2023 21:59
Operator : MA/JU
Sample : 04938-09 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-5(0-2)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.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-Fluoren-9-one	16.992	33.1	ng	1488880	4	17.333	898733	20.0
Dibenzothiophene	17.145	51.6	ng	2318140	4	17.333	898733	20.0
Phenanthrene, 2...	18.198	69.5	ng	3121190	4	17.333	898733	20.0
Phenanthrene, 1...	18.245	91.5	ng	4113490	4	17.333	898733	20.0
4H-Cyclopenta[d...	18.404	189.1	ng	8499100	4	17.333	898733	20.0
Naphthalene, 2-...	18.698	65.7	ng	2953050	4	17.333	898733	20.0
9,10-Anthracene...	18.774	118.2	ng	5310620	4	17.333	898733	20.0
Naphthalic anhy...	19.192	38.5	ng	1731790	4	17.333	898733	20.0
Cyclopenta(def)...	19.298	66.3	ng	2978860	4	17.333	898733	20.0
9H-Fluorene, 9-...	22.933	74.8	ng	3521700	6	23.968	942306	20.0
Bis(trimethylsi...	23.121	34.8	ng	1641530	6	23.968	942306	20.0
Benzo[j]fluoran...	23.409	138.2	ng	6512920	6	23.968	942306	20.0
Dinaphtho[1,2-b...	23.556	51.7	ng	2435670	6	23.968	942306	20.0
Anthracene, 9-p...	23.639	65.5	ng	3084310	6	23.968	942306	20.0
Benzo[e]pyrene	23.774	548.3	ng	25832900	6	23.968	942306	20.0
Perylene	24.039	271.0	ng	12770200	6	23.968	942306	20.0
3,4-Dibromobenz...	24.915	55.1	ng	2596500	6	23.968	942306	20.0
Picene	26.821	92.1	ng	4340340	6	23.968	942306	20.0
Pentaphene	26.933	50.8	ng	2394950	6	23.968	942306	20.0
unknown27.774	27.774	140.9	ng	6637960	6	23.968	942306	20.0