LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060322\
Data File : BM035401.D
Acq On : 03 Jun 2022 18:47
Operator : CG/JU
Sample : N3139-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-3

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-BM060222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM035401.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.439	393	400	417	rBV	2508527	3779516	10.83%	0.907%
2	7.039	664	672	686	rBV	2311921	3836387	11.00%	0.921%
3	7.851	802	810	818	rBV	575236	956770	2.74%	0.230%
4	9.010	1000	1007	1017	rBV	1518562	2584869	7.41%	0.621%
5	10.651	1277	1286	1290	rBV	739767	1314691	3.77%	0.316%
6	10.698	1290	1294	1302	rVB	423776	707822	2.03%	0.170%
7	12.316	1561	1569	1576	rVB	292365	477642	1.37%	0.115%
8	12.533	1599	1606	1616	rVB	345653	567786	1.63%	0.136%
9	13.115	1697	1705	1720	rBV	4726031	6866412	19.68%	1.648%
10	13.815	1817	1824	1829	rBV	324853	613548	1.76%	0.147%
11	14.210	1883	1891	1905	rBV	429771	713685	2.05%	0.171%
12	14.492	1929	1939	1944	rBV	1170902	1909163	5.47%	0.458%
13	14.551	1944	1949	1957	rVB	1182498	1837798	5.27%	0.441%
14	14.886	1996	2006	2015	rVV	871964	1408039	4.04%	0.338%
15	15.539	2111	2117	2128	rVB2	1653622	2481404	7.11%	0.596%
16	15.833	2162	2167	2177	rVB	509250	808506	2.32%	0.194%
17	15.986	2183	2193	2200	rBV	4083493	6309522	18.08%	1.515%
18	16.215	2226	2232	2240	rVB3	203812	373868	1.07%	0.090%
19	16.545	2276	2288	2293	rBV3	400487	1027910	2.95%	0.247%
20	16.774	2323	2327	2330	rVV	256034	349815	1.00%	0.084%
21	16.815	2330	2334	2337	rVB2	268243	350575	1.00%	0.084%
22	16.898	2342	2348	2355	rVB	916643	1403112	4.02%	0.337%
23	17.056	2370	2375	2385	rVB	971234	1549655	4.44%	0.372%
24	17.239	2401	2406	2409	rBV	1360075	2160980	6.19%	0.519%
25	17.292	2409	2415	2420	rVV	14823904	24097405	69.07%	5.785%
26	17.374	2420	2429	2434	rVV	3619567	5526266	15.84%	1.327%
27	17.427	2434	2438	2444	rVV3	389629	660896	1.89%	0.159%
28	17.645	2466	2475	2479	rBV2	1875166	3148662	9.02%	0.756%
29	17.756	2489	2494	2500	rVB3	391254	539618	1.55%	0.130%
30	17.821	2500	2505	2513	rVB5	438042	747406	2.14%	0.179%
31	17.956	2525	2528	2537	rVB	225343	398752	1.14%	0.096%
32	18.115	2549	2555	2558	rBV	2161639	3080461	8.83%	0.739%
33	18.162	2558	2563	2568	rVV	3115597	4903236	14.05%	1.177%
34	18.245	2573	2577	2582	rVB	1071578	1453357	4.17%	0.349%
35	18.315	2582	2589	2592	rBV2	3222495	5937141	17.02%	1.425%
36	18.345	2592	2594	2601	rVB	1518347	1973891	5.66%	0.474%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060322\
Data File : BM035401.D
Acq On : 03 Jun 2022 18:47
Operator : CG/JU
Sample : N3139-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-3

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-BM060222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.427	2602	2608	2611	rBV2	297452	536989	1.54%	0.129%
38	18.468	2611	2615	2619	rVB2	293167	384710	1.10%	0.092%
39	18.615	2635	2640	2644	rVV	1753356	2256216	6.47%	0.542%
40	18.662	2644	2648	2653	rVB	1590743	2080470	5.96%	0.499%
41	18.862	2674	2682	2686	rBV2	587598	1051208	3.01%	0.252%
42	18.915	2687	2691	2694	rVV	589151	812915	2.33%	0.195%
43	18.950	2694	2697	2701	rVB	516429	670676	1.92%	0.161%
44	19.033	2706	2711	2715	rBV	1182577	2066931	5.92%	0.496%
45	19.092	2717	2721	2725	rVV2	963085	1821933	5.22%	0.437%
46	19.127	2725	2727	2731	rVB	457401	491422	1.41%	0.118%
47	19.180	2731	2736	2744	rBV2	1223152	2160649	6.19%	0.519%
48	19.309	2750	2758	2763	rBV	19312666	32740162	93.84%	7.859%
49	19.362	2764	2767	2770	rBV	396440	482081	1.38%	0.116%
50	19.397	2770	2773	2779	rBV2	618692	1168244	3.35%	0.280%
51	19.450	2779	2782	2785	rVB	383660	450756	1.29%	0.108%
52	19.503	2786	2791	2793	rBV3	442987	765959	2.20%	0.184%
53	19.539	2794	2797	2801	rVB	746248	1038794	2.98%	0.249%
54	19.674	2809	2820	2826	rBV2	17650565	34890167	100.00%	8.376%
55	19.733	2826	2830	2837	rVB2	1315296	1979816	5.67%	0.475%
56	19.862	2844	2852	2856	rBV2	7852821	11427381	32.75%	2.743%
57	19.903	2856	2859	2865	rVB	1558585	2178880	6.24%	0.523%
58	19.986	2867	2873	2874	rBV2	1586307	2488105	7.13%	0.597%
59	20.039	2879	2882	2886	rVB	454019	497412	1.43%	0.119%
60	20.121	2891	2896	2898	rBV4	1436685	2449014	7.02%	0.588%
61	20.156	2898	2902	2907	rVB	3287034	4934880	14.14%	1.185%
62	20.256	2915	2919	2923	rBV	1988873	2480310	7.11%	0.595%
63	20.315	2923	2929	2933	rVV2	2436755	4060093	11.64%	0.975%
64	20.350	2933	2935	2939	rVB	598866	700085	2.01%	0.168%
65	20.397	2940	2943	2947	rVB3	500881	654317	1.88%	0.157%
66	20.456	2949	2953	2956	rBV	1299893	1645422	4.72%	0.395%
67	20.497	2956	2960	2964	rVV2	1419820	1894429	5.43%	0.455%
68	20.562	2968	2971	2974	rVB	1121719	1194960	3.42%	0.287%
69	20.715	2993	2997	2999	rBV2	476232	763554	2.19%	0.183%
70	20.868	3020	3023	3025	rBV2	362681	463478	1.33%	0.111%
71	20.909	3026	3030	3036	rVB	3001618	3932228	11.27%	0.944%
72	21.068	3052	3057	3061	rBV2	2714696	4387028	12.57%	1.053%
73	21.109	3061	3064	3067	rVV	2479639	3140867	9.00%	0.754%
74	21.150	3067	3071	3076	rVV2	2344350	4433106	12.71%	1.064%
75	21.209	3077	3081	3087	rVB	2861462	3813606	10.93%	0.915%
76	21.415	3107	3116	3121	rBV3	15015334	27842311	79.80%	6.684%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060322\
Data File : BM035401.D
Acq On : 03 Jun 2022 18:47
Operator : CG/JU
Sample : N3139-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-3

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-BM060222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.468	3121	3125	3134	rVB	13576679	19864824	56.94%	4.769%
78	21.586	3141	3145	3151	rBV	1875470	2725259	7.81%	0.654%
79	21.697	3161	3164	3168	rVB	1322641	1675682	4.80%	0.402%
80	21.750	3168	3173	3178	rBV3	2114088	3377577	9.68%	0.811%
81	21.797	3178	3181	3185	rBV3	636068	873871	2.50%	0.210%
82	21.933	3201	3204	3208	rBV2	902833	1169015	3.35%	0.281%
83	21.991	3211	3214	3218	rVV	2628504	3597371	10.31%	0.864%
84	22.050	3220	3224	3230	rVB	1381137	2085640	5.98%	0.501%
85	22.203	3246	3250	3253	rBV	1332616	2069898	5.93%	0.497%
86	22.303	3263	3267	3272	rVB2	1068268	1596871	4.58%	0.383%
87	22.809	3348	3353	3359	rBV3	1035161	2103539	6.03%	0.505%
88	23.091	3392	3401	3405	rBV	11049794	28805919	82.56%	6.915%
89	23.256	3425	3429	3435	rVB	2166520	3471941	9.95%	0.833%
90	23.591	3479	3486	3496	rVB	6404627	14158000	40.58%	3.399%
91	23.697	3497	3504	3511	rVB	9391882	19057456	54.62%	4.575%
92	23.791	3516	3520	3524	rVV	1535729	3180445	9.12%	0.763%
93	23.850	3525	3530	3538	rVB2	3171610	6812790	19.53%	1.635%
94	26.262	3930	3940	3949	rVB	5439939	16688168	47.83%	4.006%
95	27.015	4058	4068	4083	rVB	3814472	13168561	37.74%	3.161%

Sum of corrected areas: 416570957

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060322\
Data File : BM035401.D
Acq On : 03 Jun 2022 18:47
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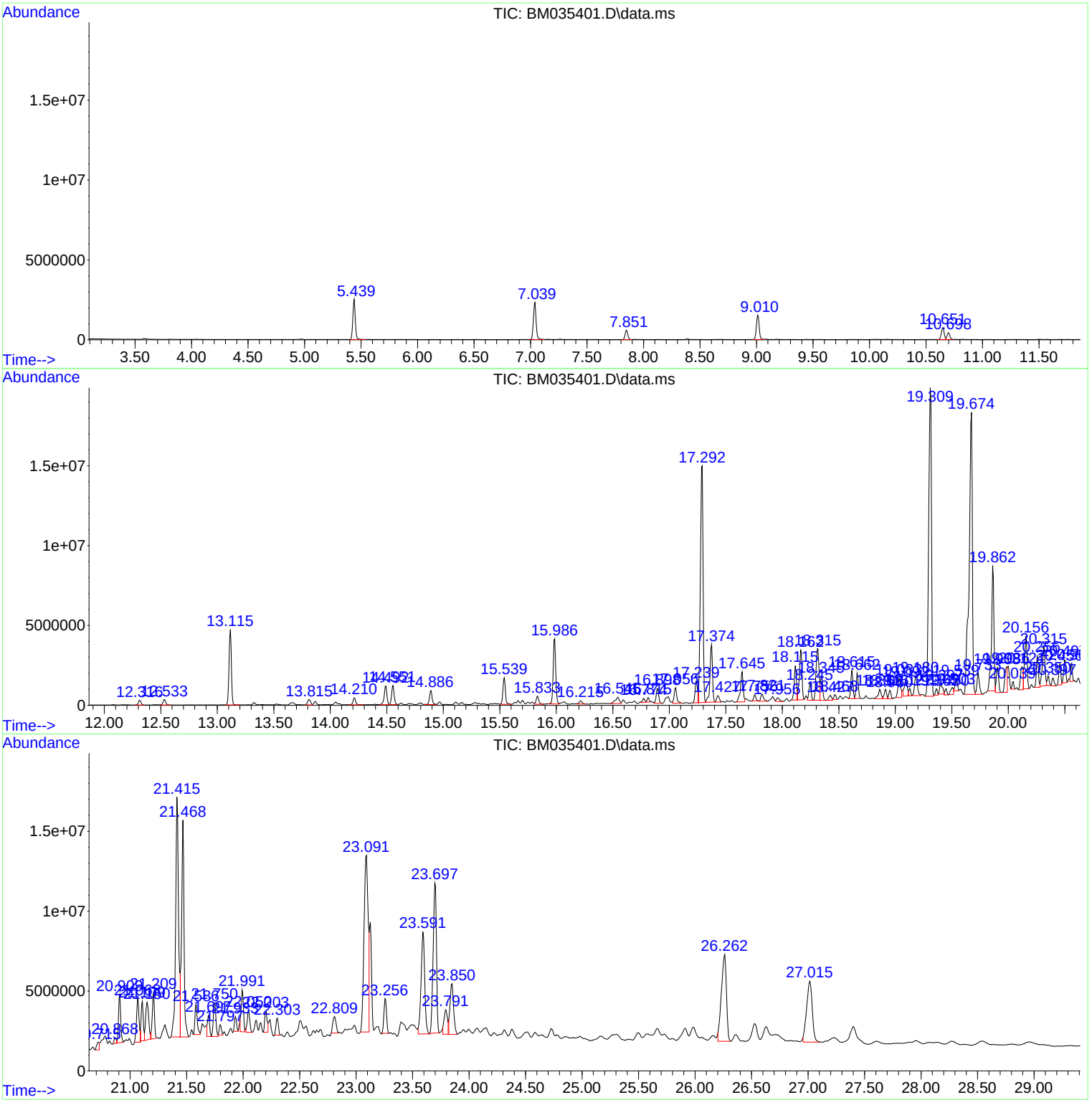
Sample : N3139-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060222.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\BM060322\
Data File : BM035401.D
Acq On : 03 Jun 2022 18:47
Operator : CG/JU
Sample : N3139-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060222.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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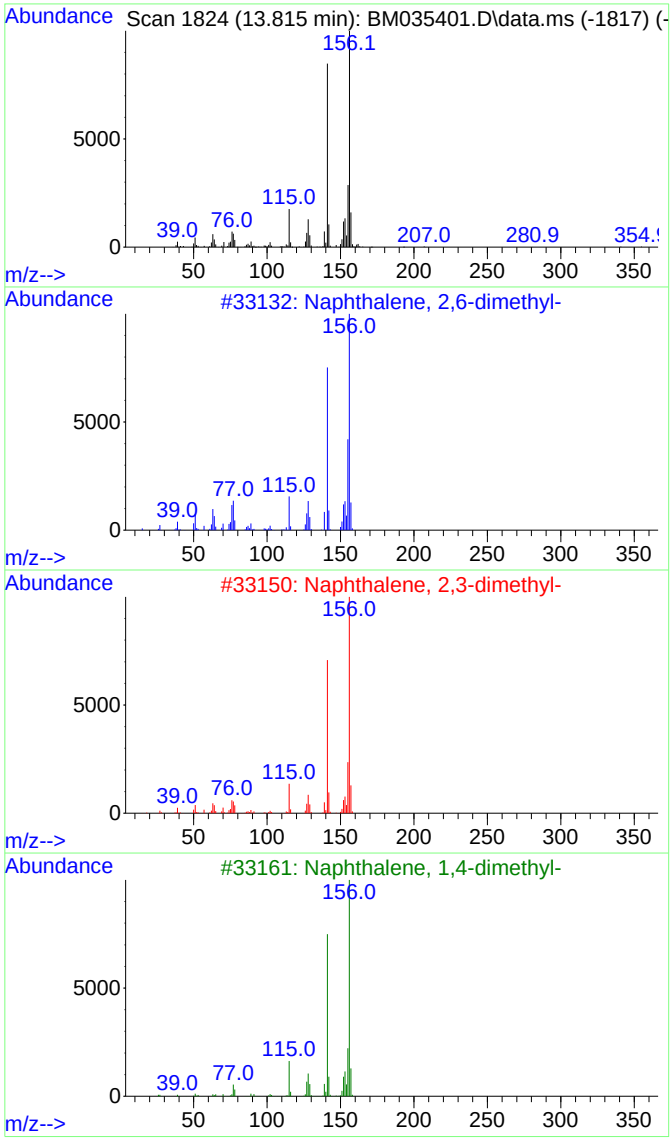
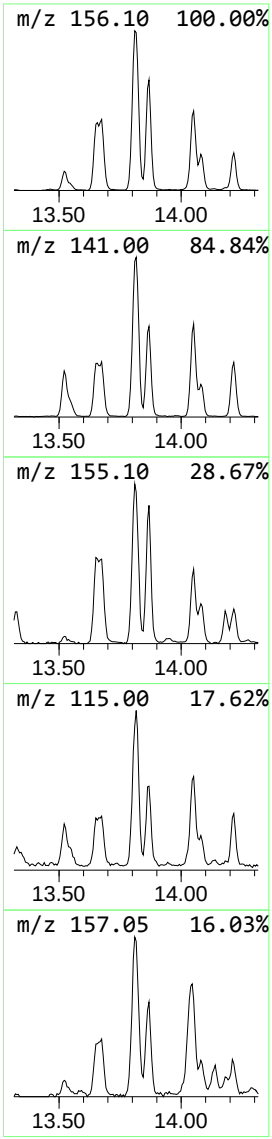
Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.815	6.43 ng	613548	Acenaphthene-d10	14.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060322\
Data File : BM035401.D
Acq On : 03 Jun 2022 18:47
Operator : CG/JU
Sample : N3139-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

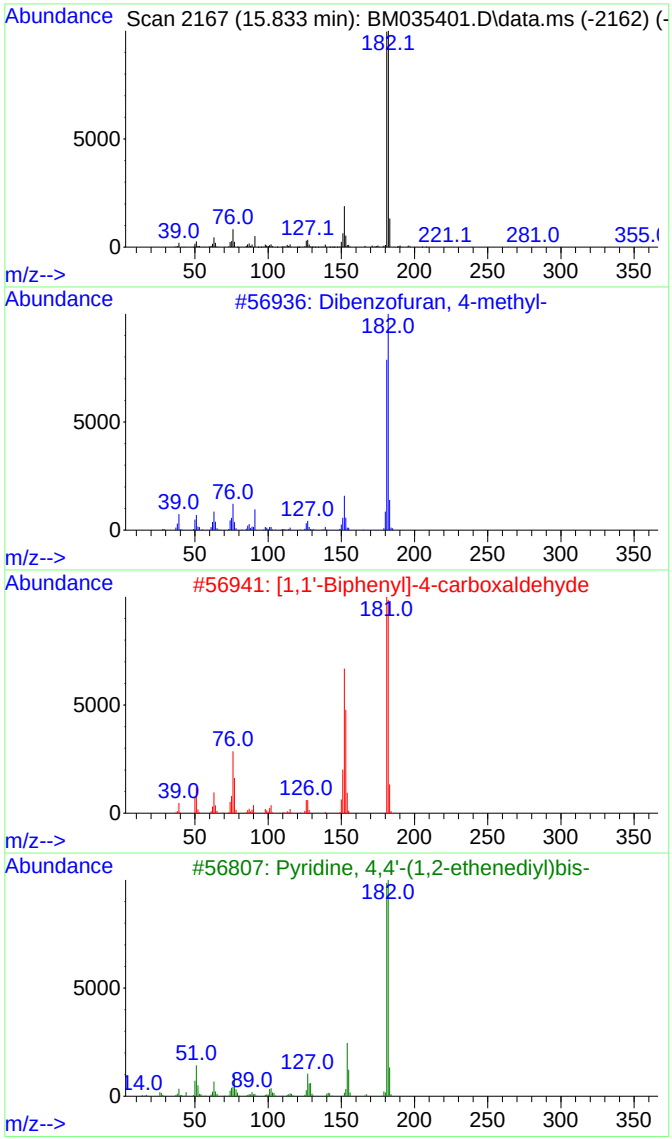
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

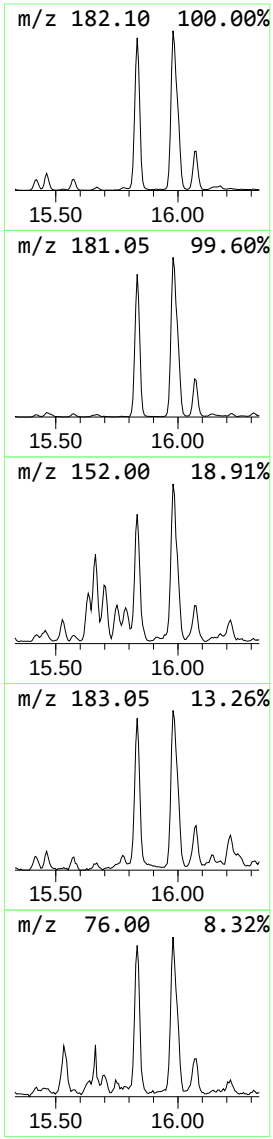
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.833	8.47 ng	808506	Acenaphthene-d10	14.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060322\
Data File : BM035401.D
Acq On : 03 Jun 2022 18:47
Operator : CG/JU
Sample : N3139-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060222.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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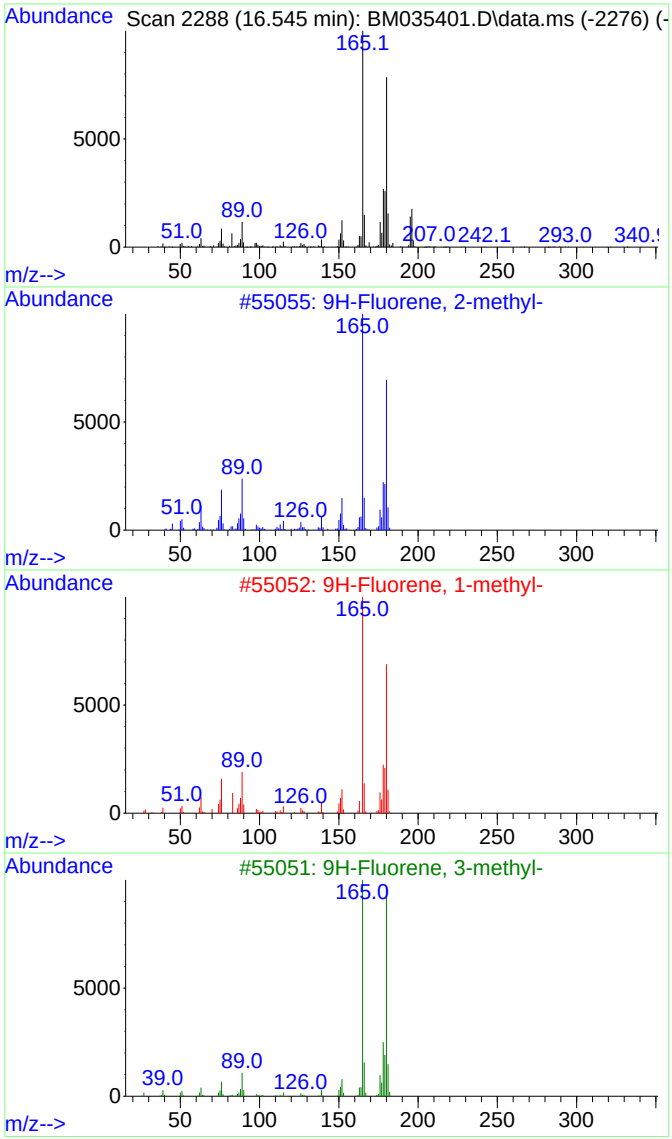
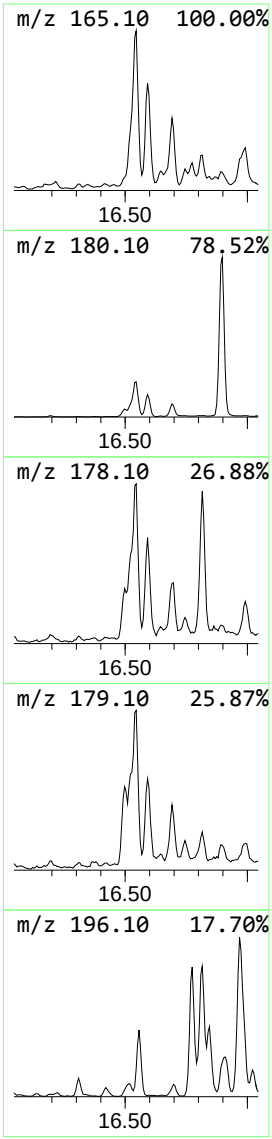
Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.545	9.51 ng	1027910	Phenanthrene-d10	17.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060322\
Data File : BM035401.D
Acq On : 03 Jun 2022 18:47
Operator : CG/JU
Sample : N3139-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

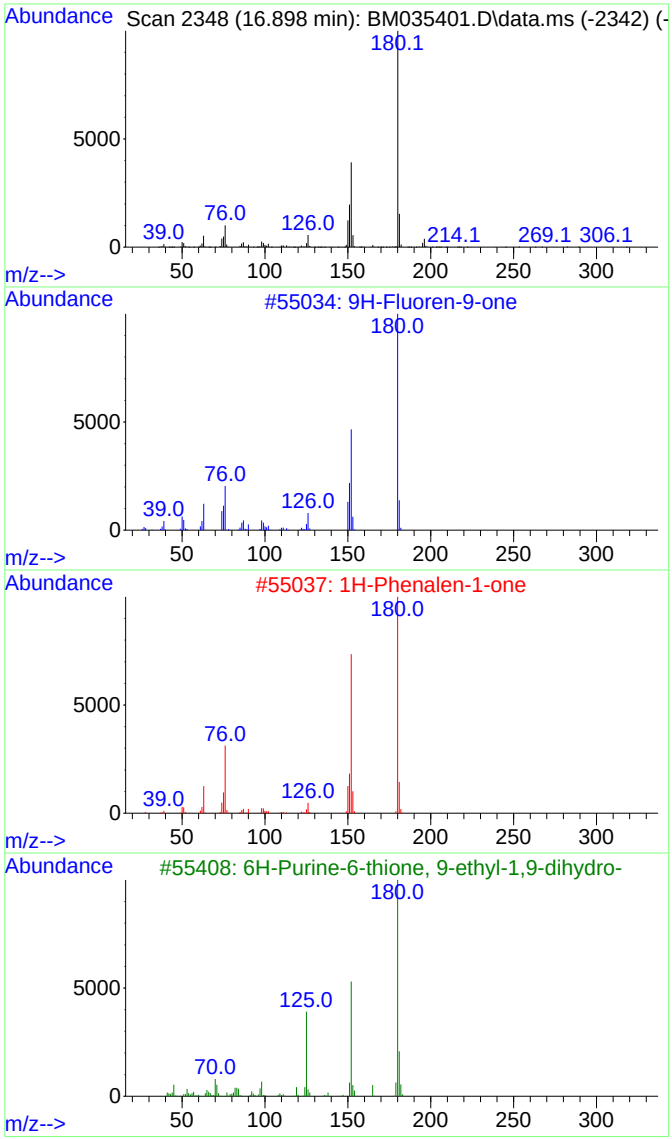
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

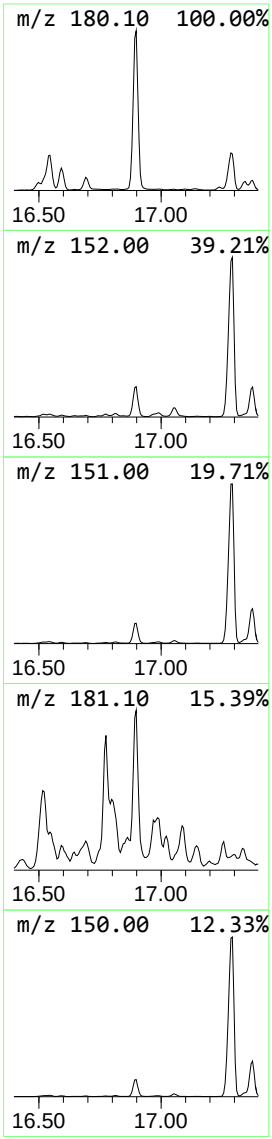
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.898	12.99 ng	1403110	Phenanthrene-d10	17.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
3	6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	59
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50
5	2-Benzothiophen-4(5H)-one, 6,7-d...	180	C10H12OS	1000338-11-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060322\
Data File : BM035401.D
Acq On : 03 Jun 2022 18:47
Operator : CG/JU
Sample : N3139-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

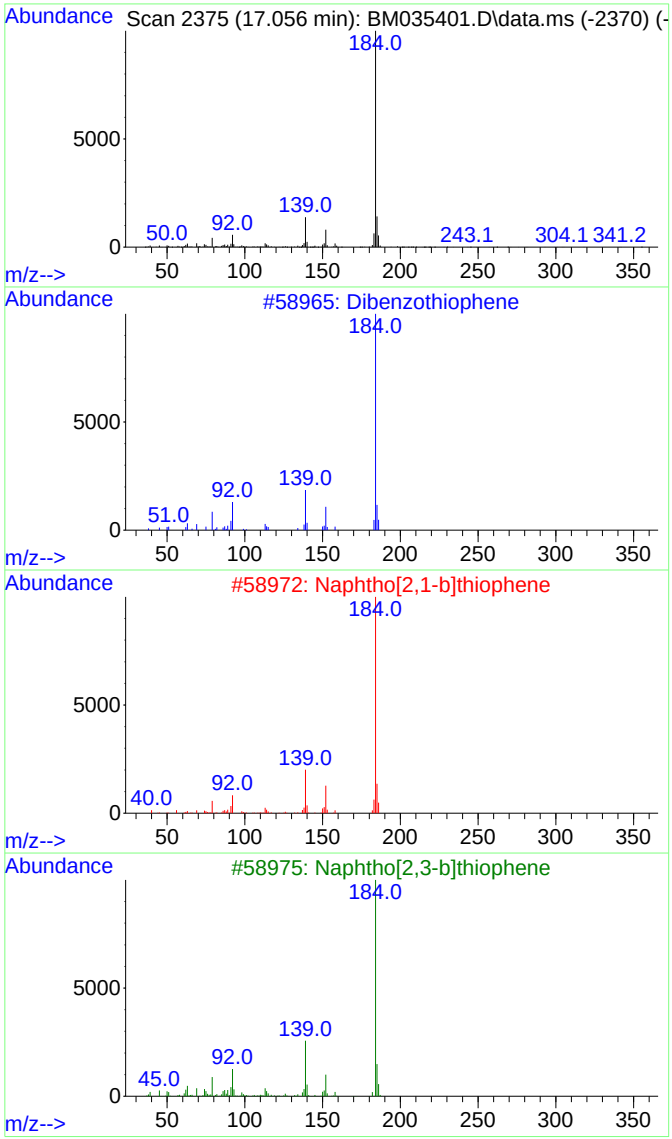
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

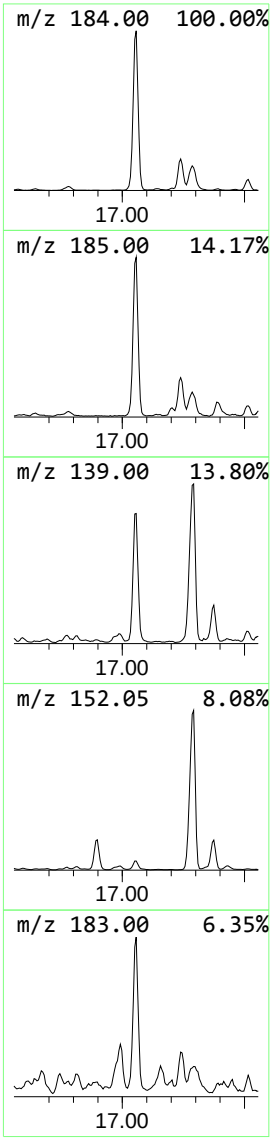
****

Peak Number 5 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.056	14.34 ng	1549660	Phenanthrene-d10	17.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90





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Operator : CG/JU
Sample : N3139-03
Misc :
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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

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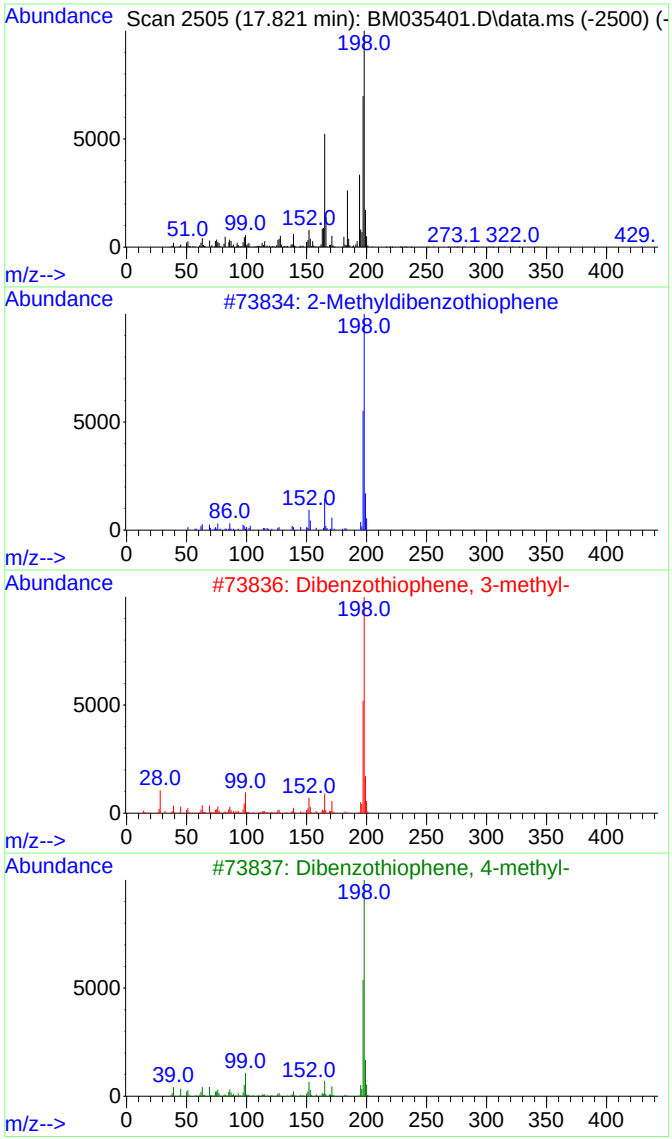
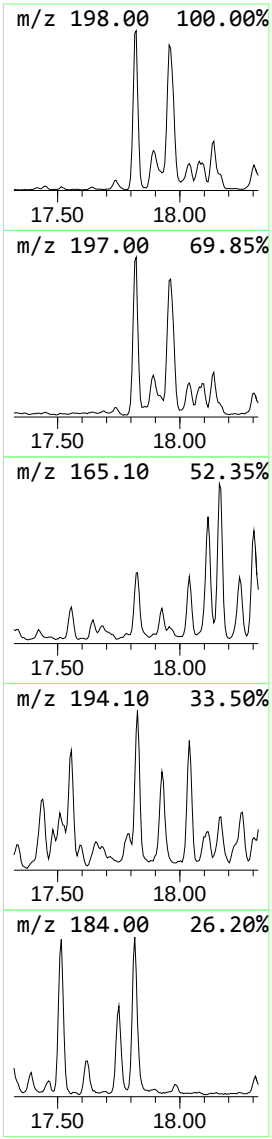
Peak Number 6 2-Methyldibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.821	6.92 ng	747406	Phenanthrene-d10	17.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	72
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	64
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	60
4	9H-Fluorene-9-thiol	198	C13H10S	019552-08-0	50
5	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	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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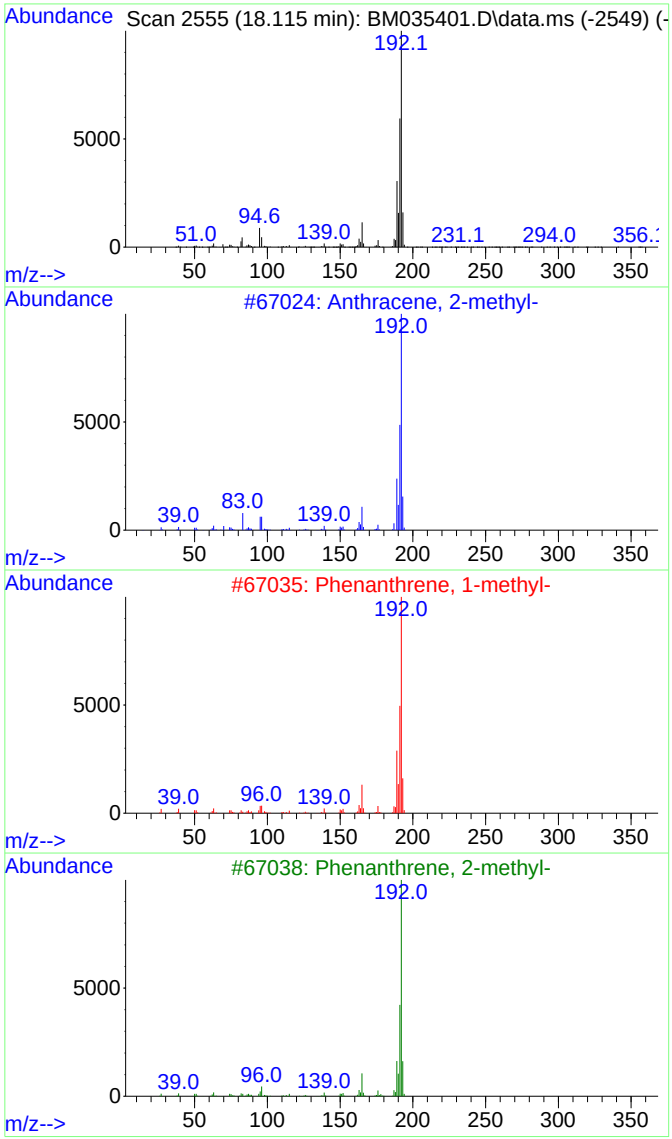
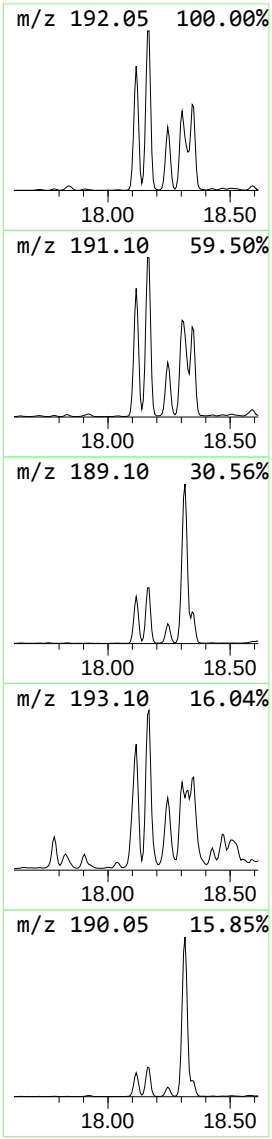
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.115	28.51 ng	3080460	Phenanthrene-d10	17.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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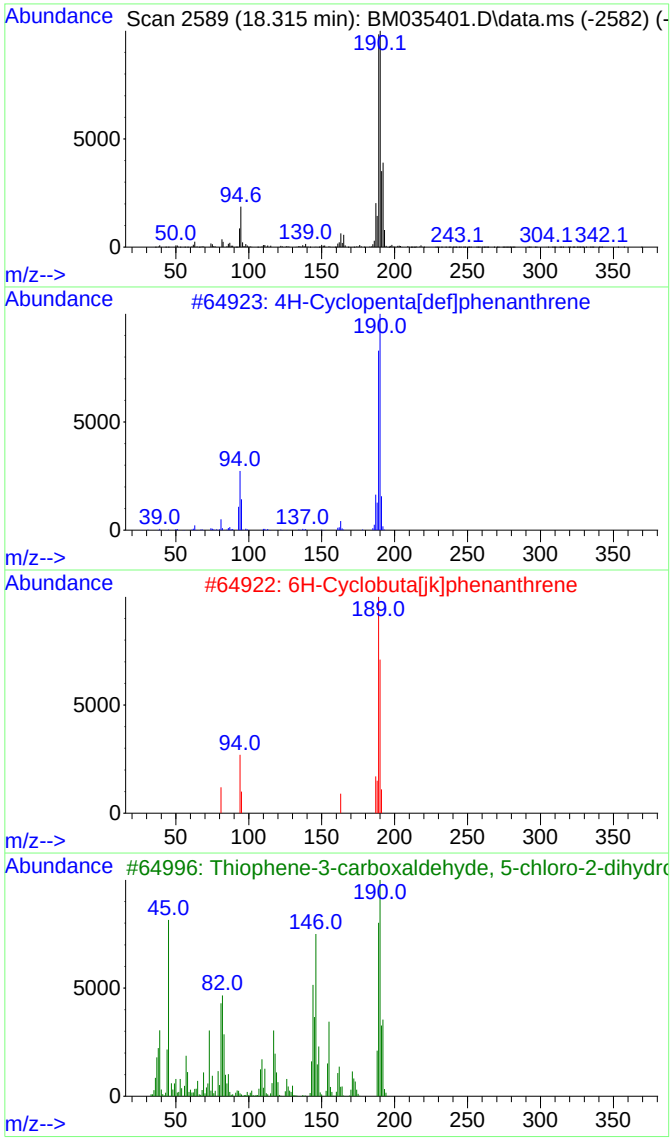
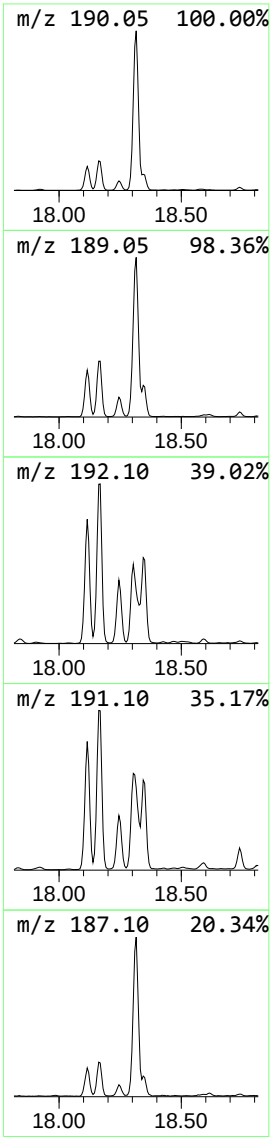
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.315	54.95 ng	5937140	Phenanthrene-d10	17.239

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	59
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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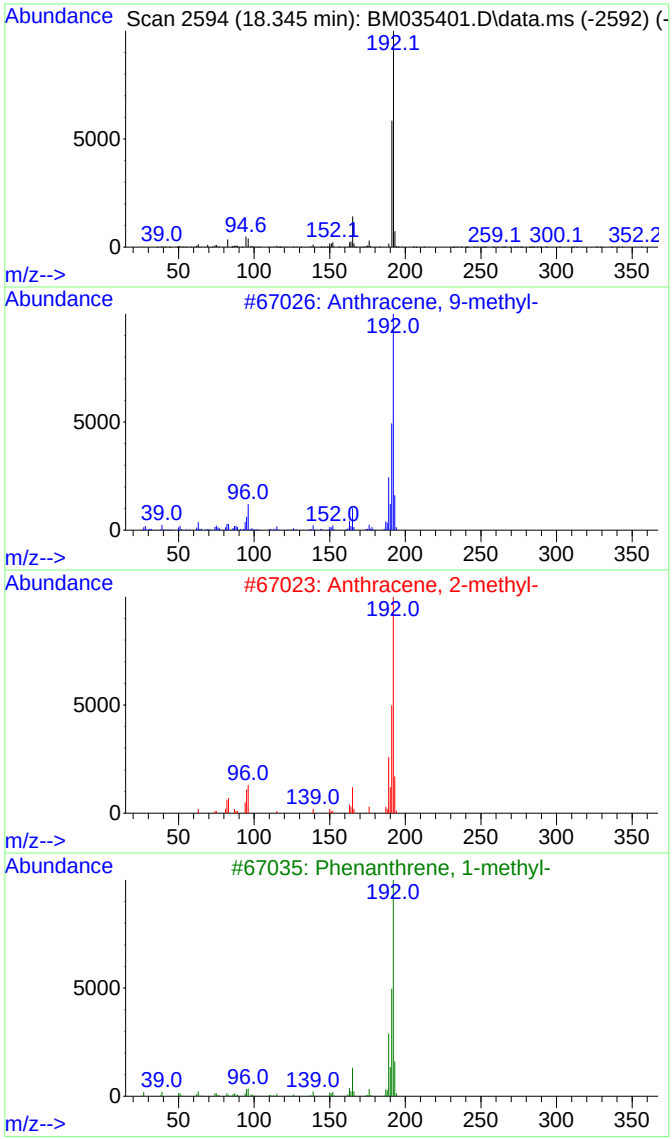
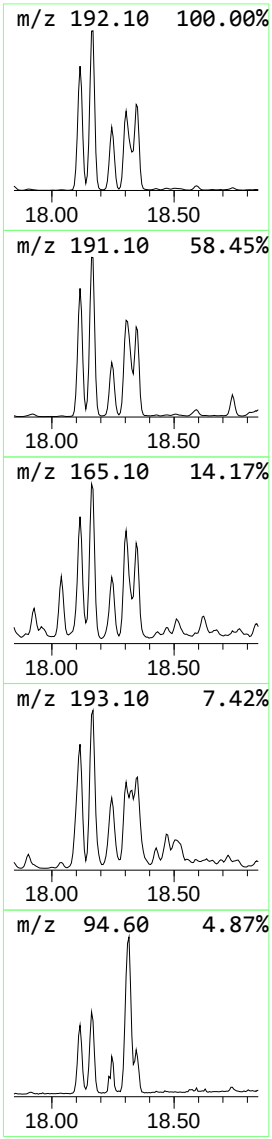
Peak Number 9 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.345	18.27 ng	1973890	Phenanthrene-d10	17.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80





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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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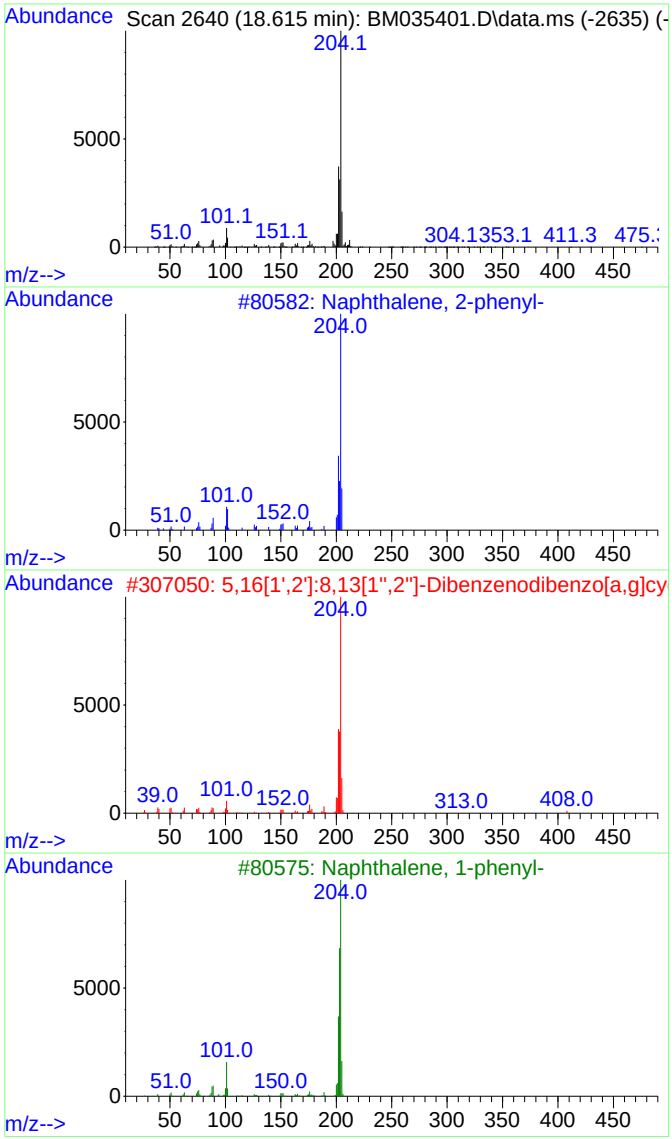
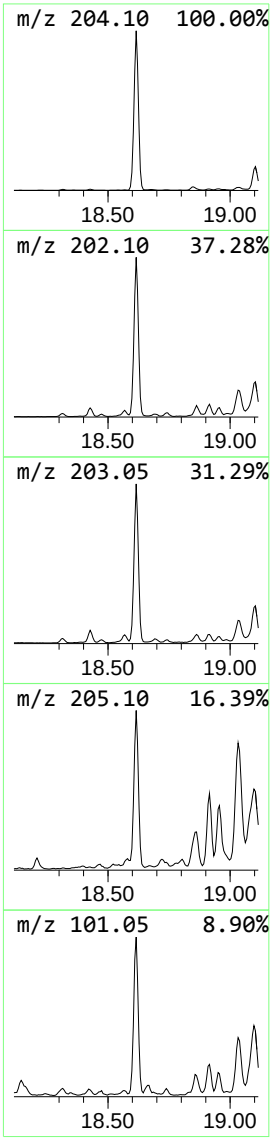
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.615	20.88 ng	2256220	Phenanthrene-d10	17.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50





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ALS Vial : 16 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

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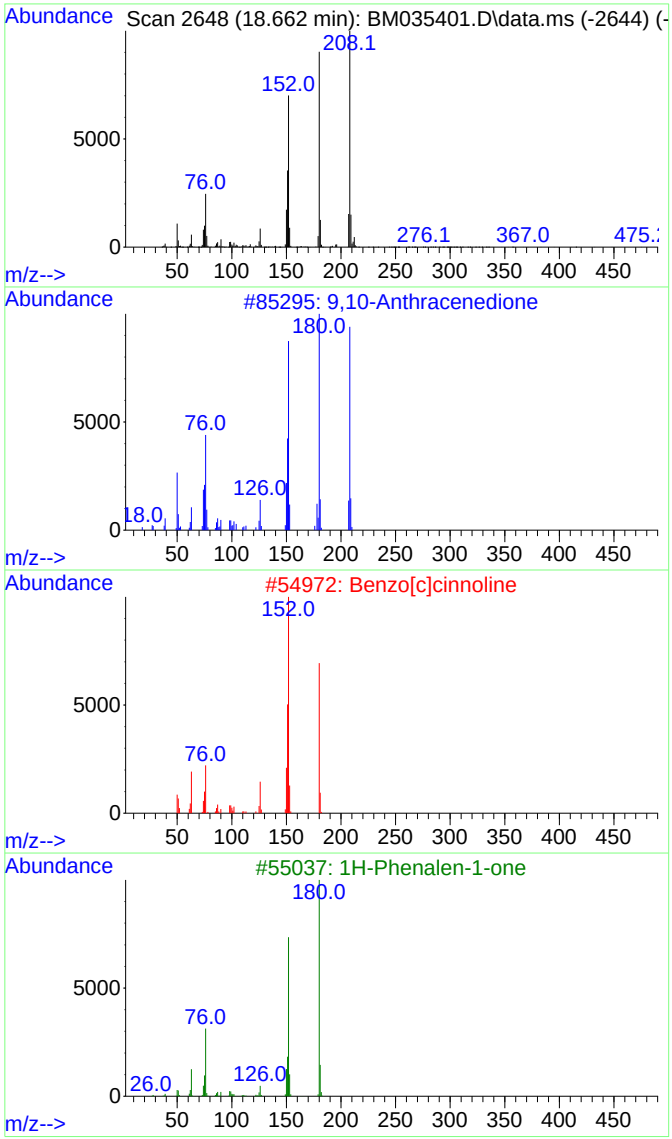
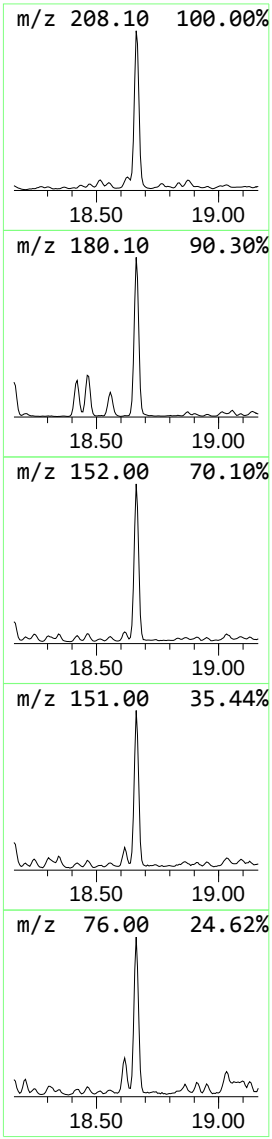
Peak Number 11 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.662	19.25 ng	2080470	Phenanthrene-d10	17.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060222.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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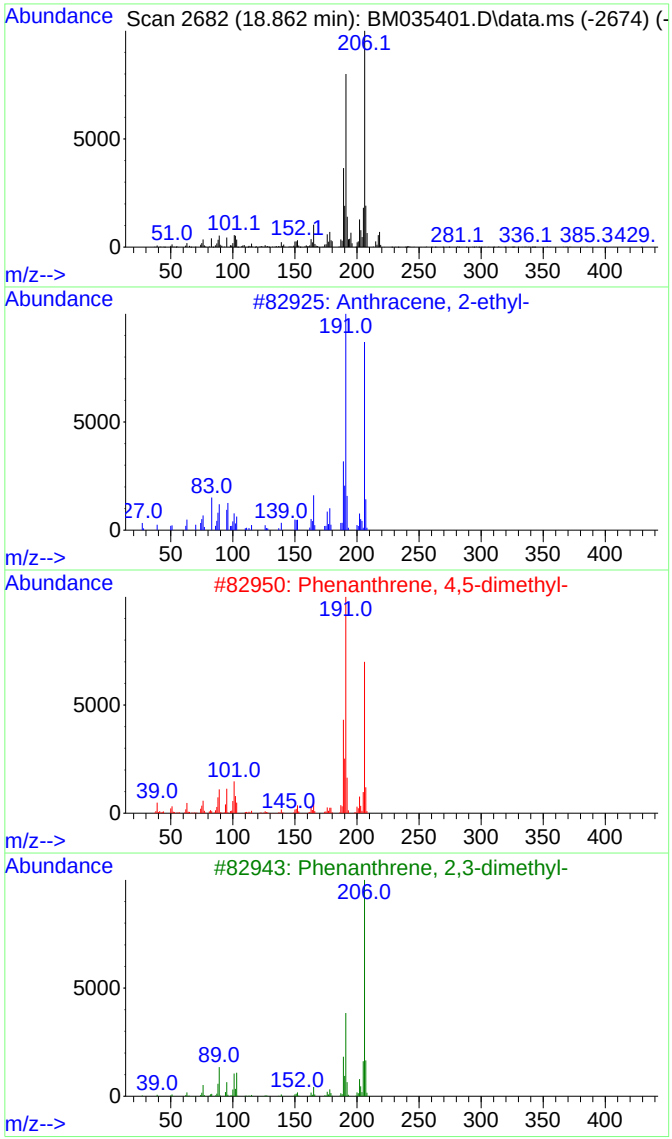
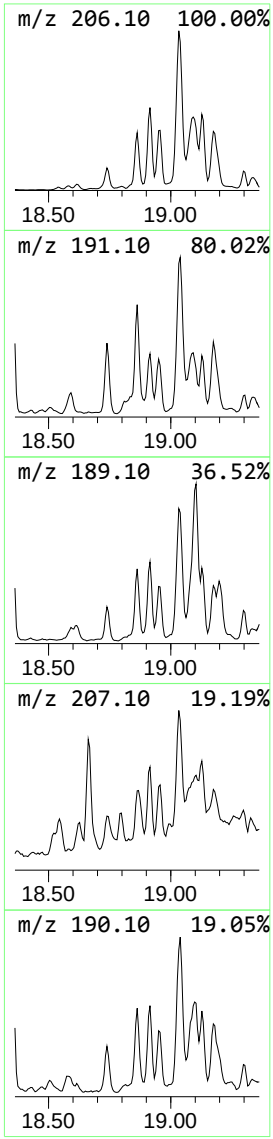
Peak Number 12 Phenanthrene, 4,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.862	9.73 ng	1051210	Phenanthrene-d10	17.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	95
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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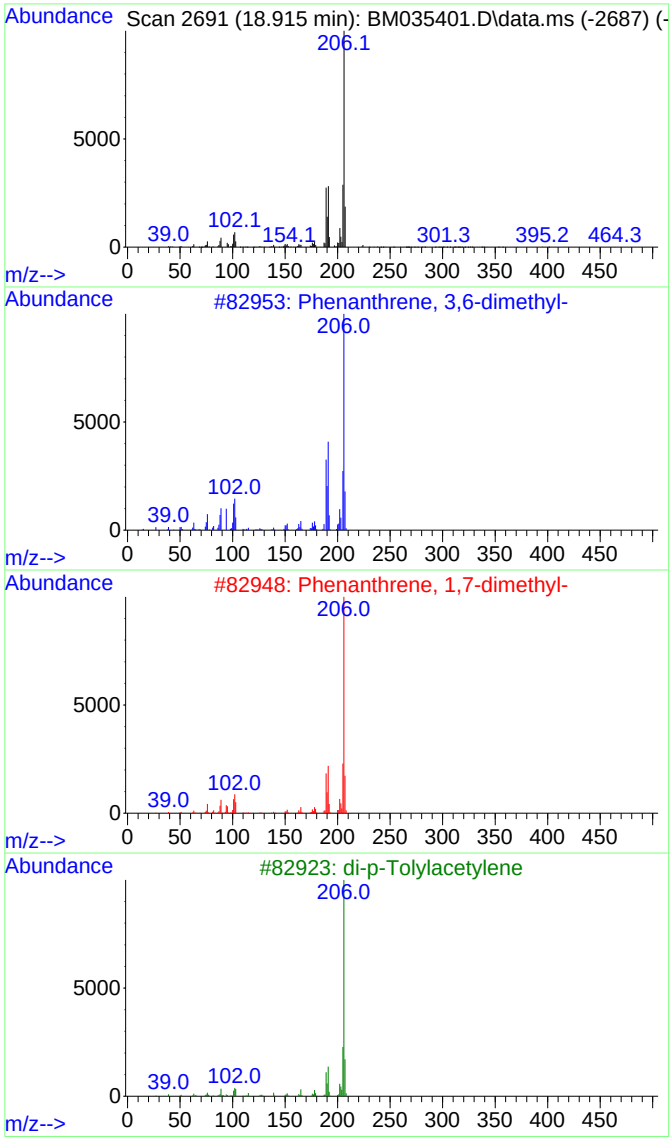
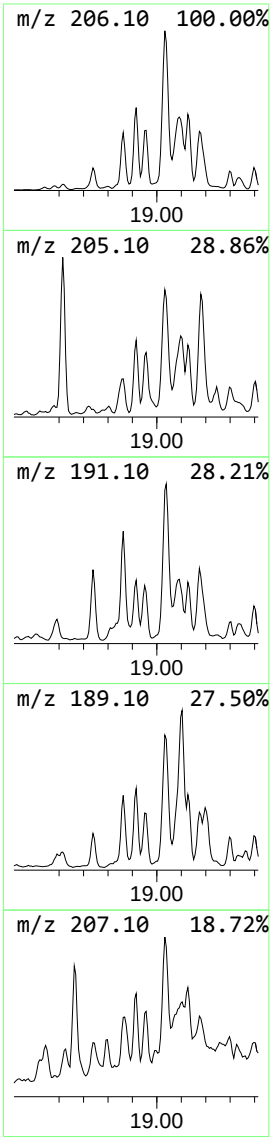
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.915	7.52 ng	812915	Phenanthrene-d10	17.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	80





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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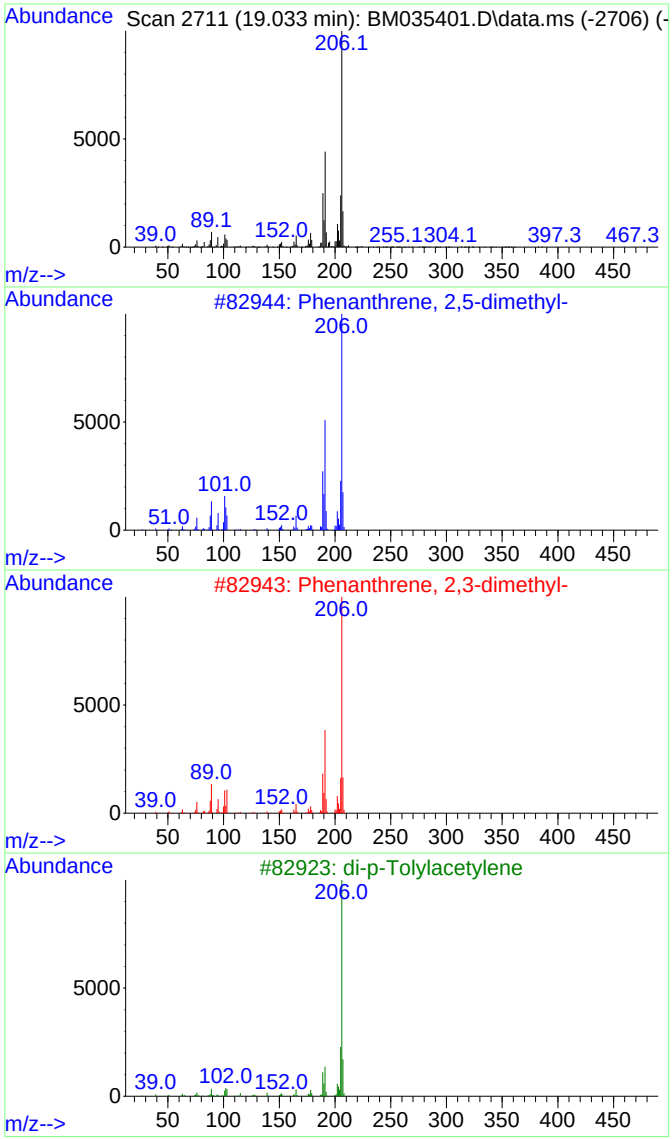
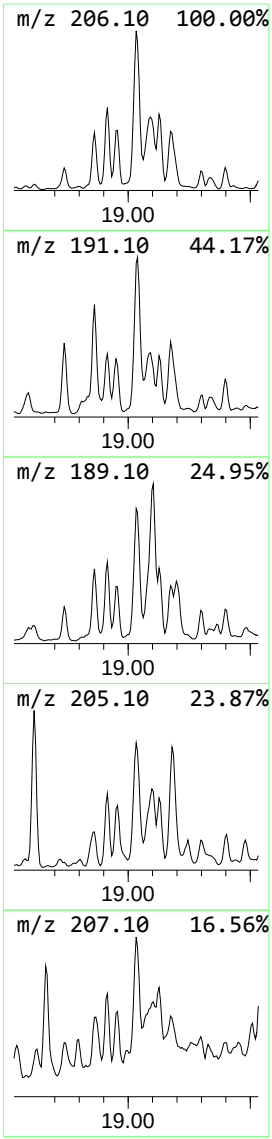
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.033	19.13 ng	2066930	Phenanthrene-d10	17.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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ALS Vial : 16 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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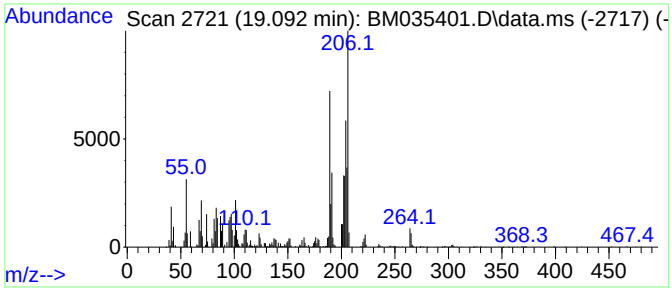
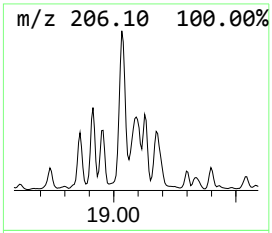
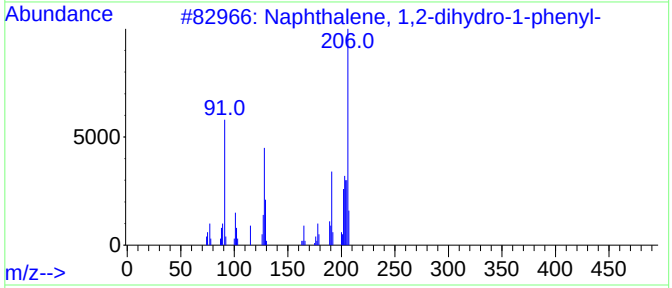
Peak Number 15 unknown19.092 Concentration Rank 11

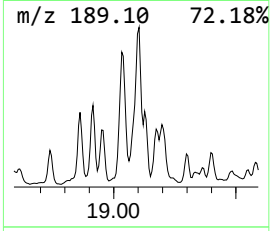
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.092	16.86 ng	1821930	Phenanthrene-d10	17.239

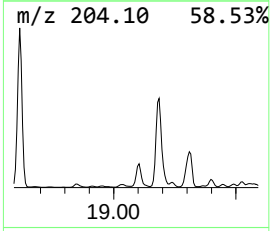
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	46
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	38
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	38
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38

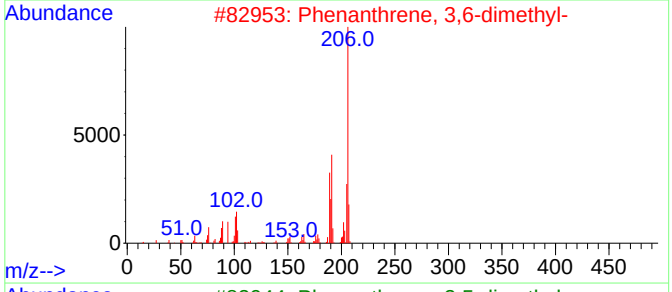


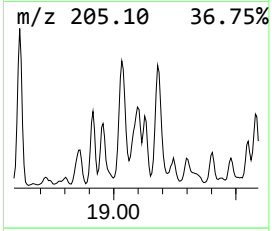


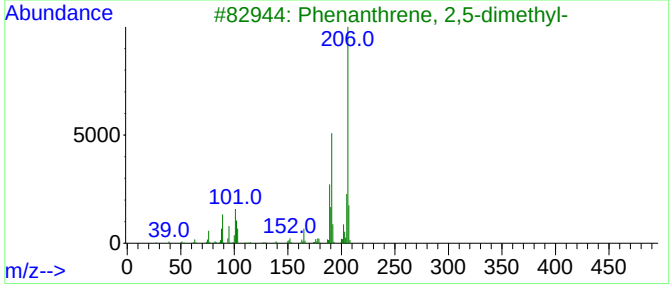


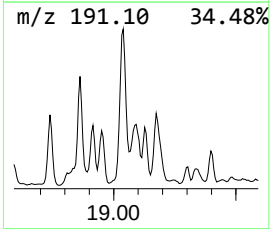












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Data File : BM035401.D
Acq On : 03 Jun 2022 18:47
Operator : CG/JU
Sample : N3139-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060222.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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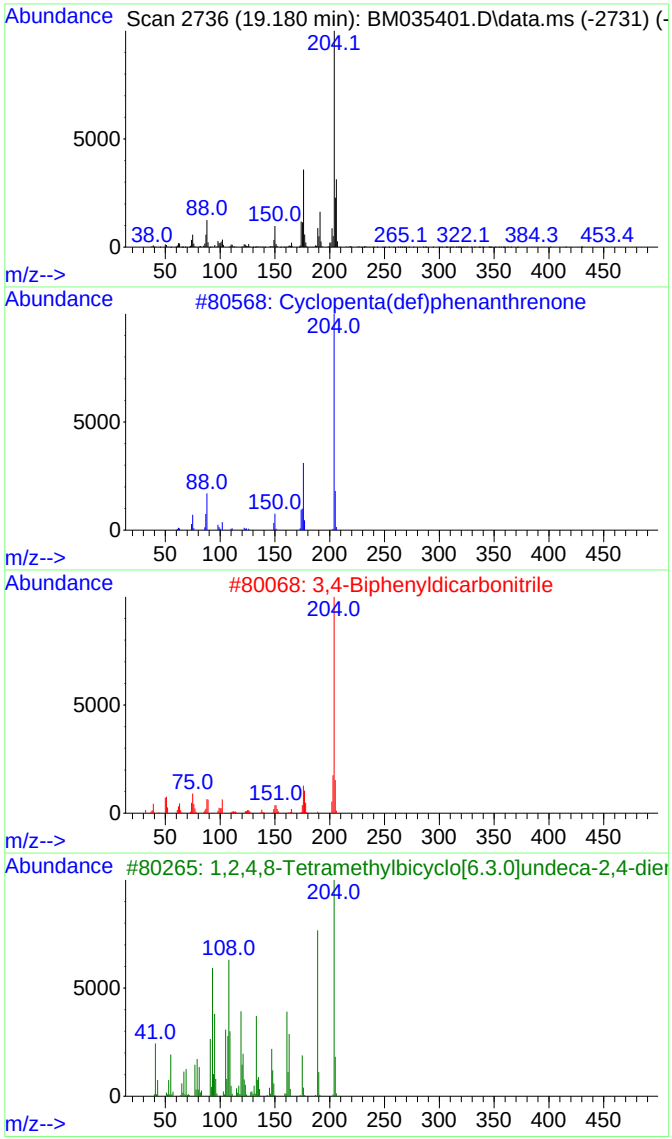
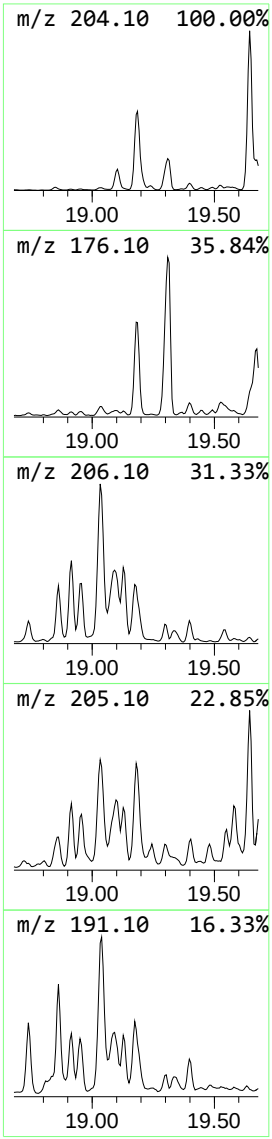
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.180	20.00 ng	2160650	Phenanthrene-d10	17.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43





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Acq On : 03 Jun 2022 18:47
Operator : CG/JU
Sample : N3139-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060222.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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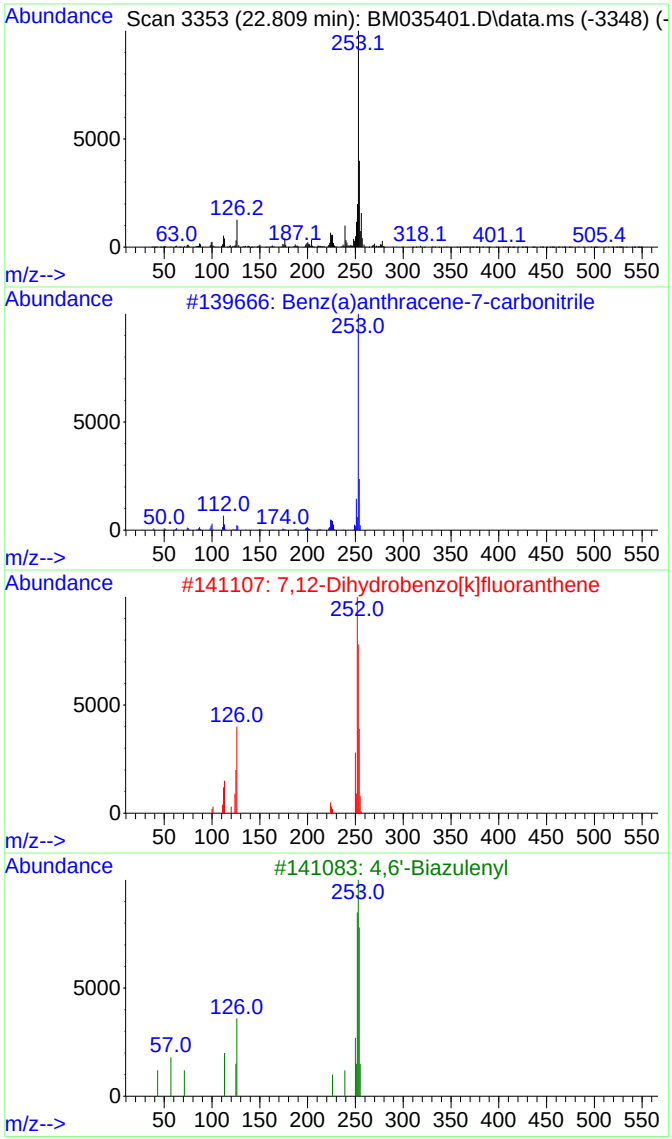
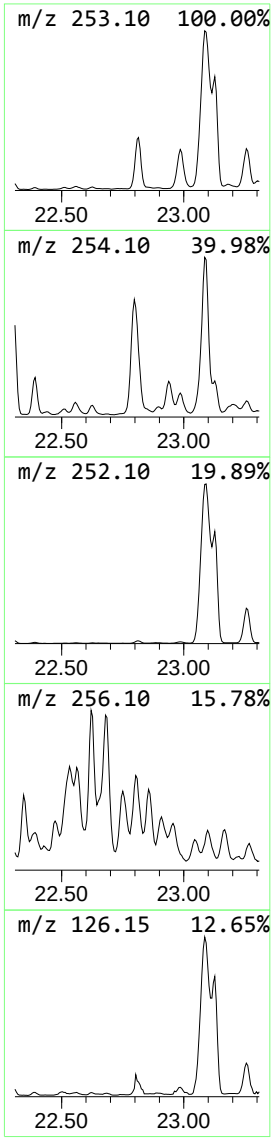
Peak Number 17 Benz(a)anthracene-7-carboni... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.809	13.23 ng	2103540	Perylene-d12	23.791

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	86
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	58
3	4,6'-Biazulenyl	254	C20H14	094154-49-1	43
4	5,12-ethanonaphthacene-6-carboni...	281	C21H15N	1000397-19-0	38
5	1H-Pyrrolo[2,3-f]quinolin-9-ol, ...	254	C16H18N2O	1000303-71-9	38





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Data File : BM035401.D
Acq On : 03 Jun 2022 18:47
Operator : CG/JU
Sample : N3139-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060222.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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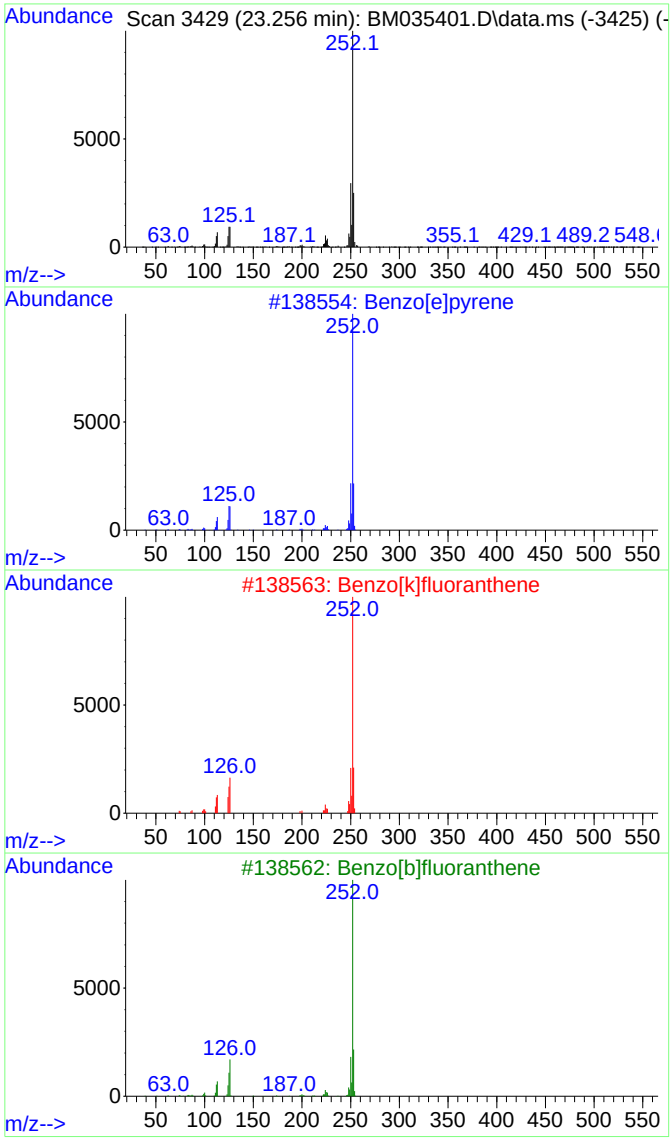
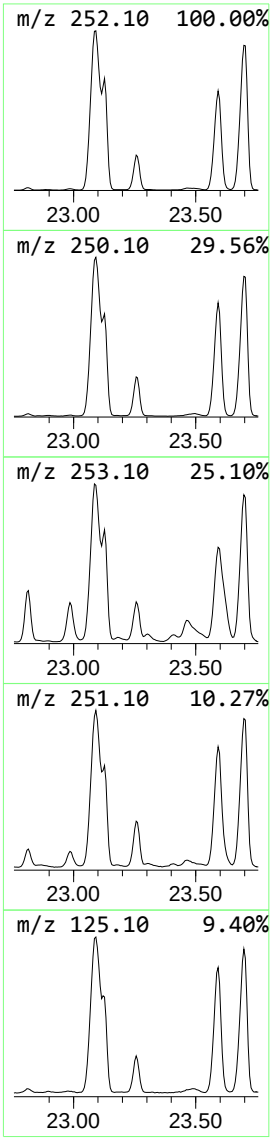
Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.256	21.83 ng	3471940	Perylene-d12	23.791

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	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	81





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Data File : BM035401.D
Acq On : 03 Jun 2022 18:47
Operator : CG/JU
Sample : N3139-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060222.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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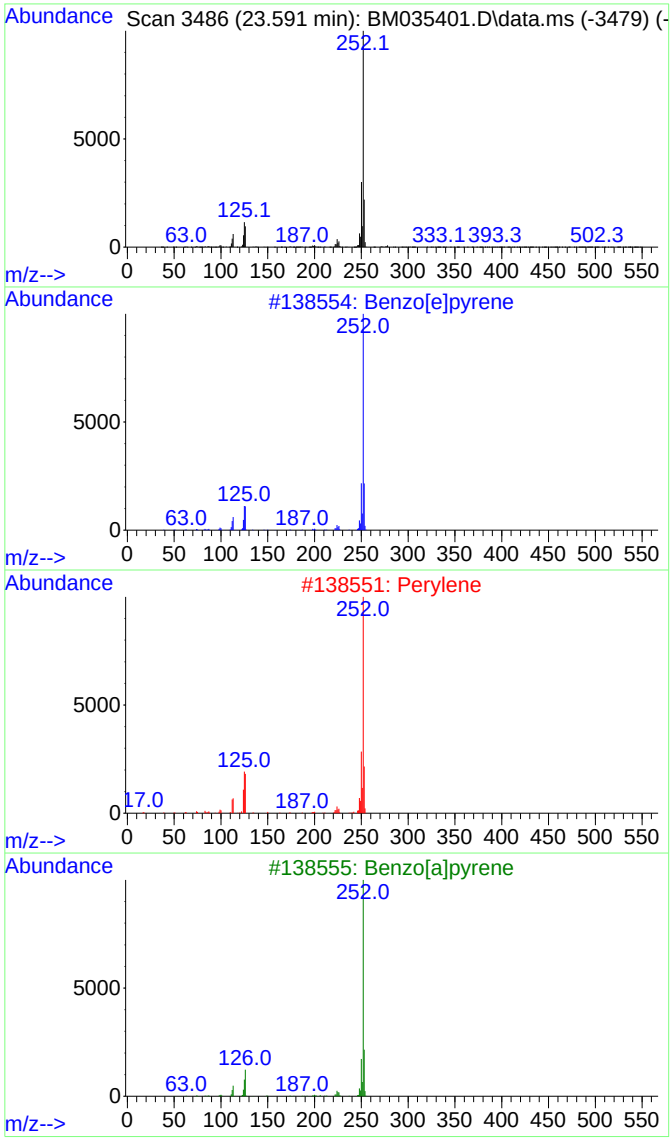
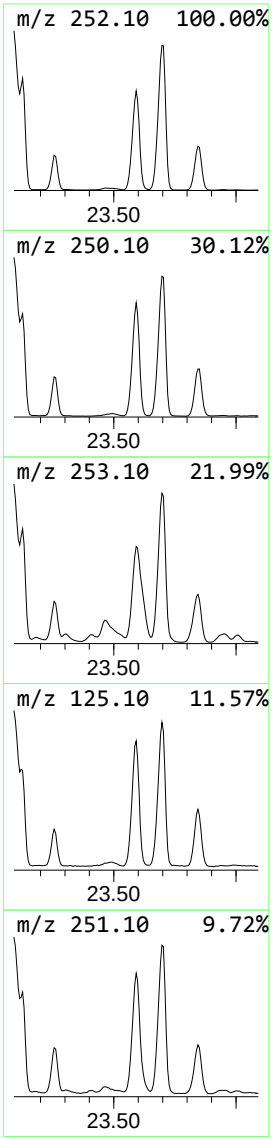
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.591	89.03 ng	14158000	Perylene-d12	23.791

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





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Acq On : 03 Jun 2022 18:47
Operator : CG/JU
Sample : N3139-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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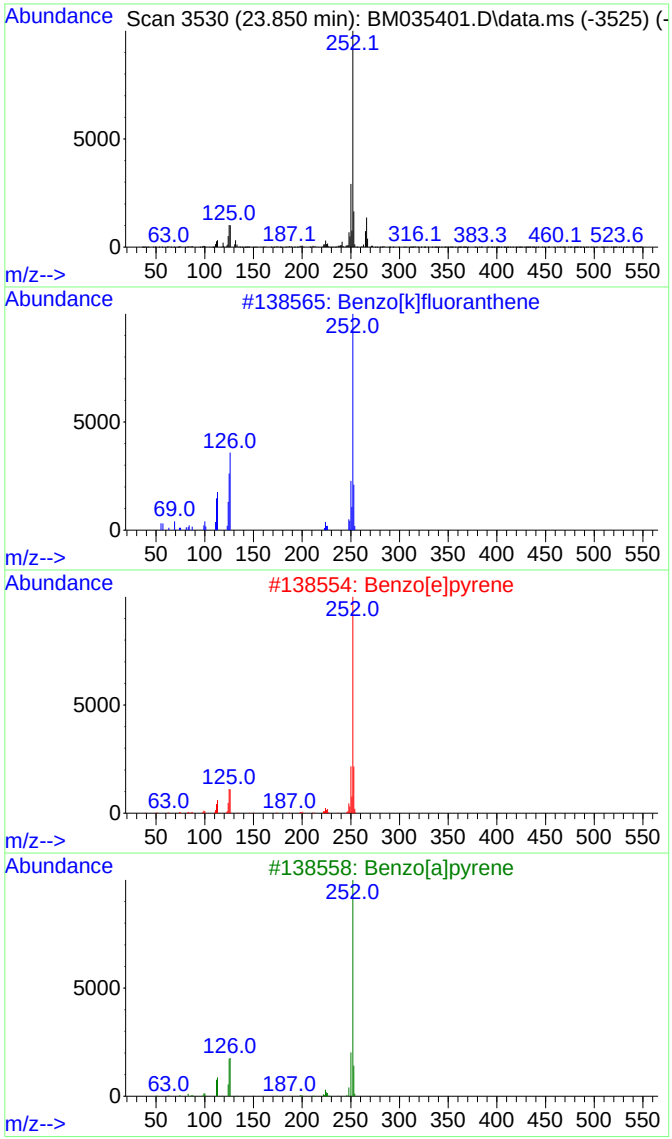
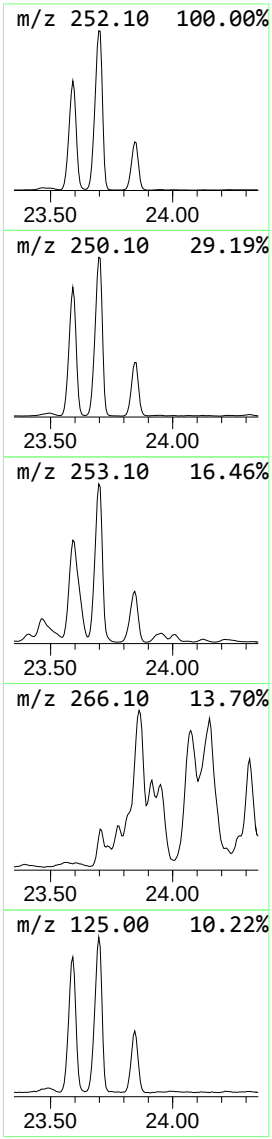
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.850	42.84 ng	6812790	Perylene-d12	23.791

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
2	Benzo[e]pyrene	252	C20H12	000192-97-2	86
3	Benzo[a]pyrene	252	C20H12	000050-32-8	86
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	70
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060322\
Data File : BM035401.D
Acq On : 03 Jun 2022 18:47
Operator : CG/JU
Sample : N3139-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060222.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
Naphthalene, 2,...	13.815	6.4	ng	613548	3	14.492	1909160	20.0
Dibenzofuran, 4...	15.833	8.5	ng	808506	3	14.492	1909160	20.0
9H-Fluorene, 2-...	16.545	9.5	ng	1027910	4	17.239	2160980	20.0
9H-Fluoren-9-one	16.898	13.0	ng	1403110	4	17.239	2160980	20.0
Dibenzothiophene	17.056	14.3	ng	1549660	4	17.239	2160980	20.0
2-Methyldibenzo...	17.821	6.9	ng	747406	4	17.239	2160980	20.0
Anthracene, 2-m...	18.115	28.5	ng	3080460	4	17.239	2160980	20.0
4H-Cyclopenta[d...	18.315	55.0	ng	5937140	4	17.239	2160980	20.0
Anthracene, 9-m...	18.345	18.3	ng	1973890	4	17.239	2160980	20.0
Naphthalene, 2-...	18.615	20.9	ng	2256220	4	17.239	2160980	20.0
9,10-Anthracene...	18.662	19.3	ng	2080470	4	17.239	2160980	20.0
Phenanthrene, 4...	18.862	9.7	ng	1051210	4	17.239	2160980	20.0
Phenanthrene, 3...	18.915	7.5	ng	812915	4	17.239	2160980	20.0
Phenanthrene, 2...	19.033	19.1	ng	2066930	4	17.239	2160980	20.0
unknown19.092	19.092	16.9	ng	1821930	4	17.239	2160980	20.0
Cyclopenta(def)...	19.180	20.0	ng	2160650	4	17.239	2160980	20.0
Benz(a)anthrace...	22.809	13.2	ng	2103540	6	23.791	3180450	20.0
Benzo[e]pyrene	23.256	21.8	ng	3471940	6	23.791	3180450	20.0
Perylene	23.591	89.0	ng	14158000	6	23.791	3180450	20.0
Benzo[j]fluoran...	23.850	42.8	ng	6812790	6	23.791	3180450	20.0