LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024657.D
Acq On : 29 Jan 2020 19:17
Operator : CG/JU
Sample : L1274-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B2-SAMPLE-S1

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-BM012320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	368	374	381	rBV	690447	965003	4.20%	0.312%
2	6.645	629	639	652	rBV	650567	1115861	4.85%	0.361%
3	7.445	767	775	783	rBV	1594121	2399745	10.44%	0.776%
4	7.757	823	828	835	rVB	663327	1031974	4.49%	0.334%
5	8.581	956	968	977	rBV	422966	746435	3.25%	0.242%
6	10.204	1236	1244	1249	rBV	2017151	3296661	14.34%	1.067%
7	11.874	1521	1528	1537	rBV	466279	771660	3.36%	0.250%
8	12.098	1556	1566	1572	rBV	638155	1038719	4.52%	0.336%
9	12.704	1663	1669	1675	rVB	1285194	1830063	7.96%	0.592%
10	13.251	1752	1762	1771	rBV3	685997	1745334	7.59%	0.565%
11	13.416	1782	1790	1795	rVV	1416992	2472497	10.75%	0.800%
12	13.469	1795	1799	1805	rVV	870743	1288612	5.60%	0.417%
13	13.545	1805	1812	1820	rVV3	442010	1007529	4.38%	0.326%
14	13.651	1823	1830	1833	rVV	727489	1084663	4.72%	0.351%
15	13.810	1850	1857	1871	rBV2	1652887	2935069	12.76%	0.950%
16	14.092	1899	1905	1911	rVB	2751815	4159256	18.09%	1.346%
17	14.157	1911	1916	1920	rBV	1312229	1818983	7.91%	0.589%
18	14.321	1937	1944	1952	rBV2	474851	1066508	4.64%	0.345%
19	14.504	1968	1975	1982	rVB3	1120743	2340419	10.18%	0.757%
20	14.586	1983	1989	1994	rVB	1132906	1589126	6.91%	0.514%
21	14.727	2005	2013	2018	rBV2	878295	1768482	7.69%	0.572%
22	14.780	2018	2022	2026	rVB	701365	914420	3.98%	0.296%
23	14.904	2034	2043	2045	rBV2	521190	1176363	5.12%	0.381%
24	15.063	2063	2070	2073	rBV3	384131	793941	3.45%	0.257%
25	15.151	2080	2085	2091	rBV2	2304496	3407982	14.82%	1.103%
26	15.451	2131	2136	2139	rBV2	671448	995685	4.33%	0.322%
27	15.480	2139	2141	2147	rVB2	385272	576621	2.51%	0.187%
28	15.592	2147	2160	2170	rVB4	1133571	2743402	11.93%	0.888%
29	15.839	2193	2202	2209	rBV2	538631	1131928	4.92%	0.366%
30	16.162	2248	2257	2262	rBV4	933859	2226526	9.68%	0.720%
31	16.210	2262	2265	2271	rVV2	804877	1173173	5.10%	0.380%
32	16.310	2278	2282	2288	rVB2	556416	922326	4.01%	0.298%
33	16.398	2294	2297	2300	rVV2	411176	624355	2.72%	0.202%
34	16.433	2300	2303	2307	rVV2	527805	815439	3.55%	0.264%

LSC Area Percent Report

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Operator : CG/JU
Sample : L1274-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B2-SAMPLE-S1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.504	2311	2315	2324	rVB3	529930	1145241	4.98%	0.371%
36	16.592	2326	2330	2335	rBV2	364249	631181	2.74%	0.204%
37	16.662	2337	2342	2347	rVV	1062040	1409149	6.13%	0.456%
38	16.851	2368	2374	2377	rBV	2607893	3921638	17.05%	1.269%
39	16.892	2377	2381	2387	rVV	11895361	15834258	68.86%	5.123%
40	16.980	2390	2396	2401	rVB	4067523	5365317	23.33%	1.736%
41	17.051	2403	2408	2413	rVV2	658729	1166191	5.07%	0.377%
42	17.251	2439	2442	2448	rVB	396467	566347	2.46%	0.183%
43	17.427	2467	2472	2479	rVB	1651487	2429468	10.57%	0.786%
44	17.574	2492	2497	2504	rVB	1004889	1739879	7.57%	0.563%
45	17.645	2505	2509	2513	rBV	382082	542191	2.36%	0.175%
46	17.727	2517	2523	2527	rVV	4509147	6612697	28.76%	2.140%
47	17.774	2527	2531	2539	rVB	5776417	7708007	33.52%	2.494%
48	17.851	2539	2544	2549	rBV	1922408	2832415	12.32%	0.916%
49	17.915	2549	2555	2559	rBV2	5529752	9254211	40.25%	2.994%
50	17.956	2559	2562	2571	rVB	3340933	4431401	19.27%	1.434%
51	18.127	2587	2591	2595	rVB2	920948	1190313	5.18%	0.385%
52	18.233	2605	2609	2612	rVV2	1986421	2850511	12.40%	0.922%
53	18.268	2612	2615	2622	rVB2	1277145	2444955	10.63%	0.791%
54	18.362	2627	2631	2633	rBV	382749	567715	2.47%	0.184%
55	18.451	2642	2646	2649	rBV	775255	1195336	5.20%	0.387%
56	18.486	2649	2652	2656	rVV	1527442	2213058	9.62%	0.716%
57	18.533	2656	2660	2664	rVV	2448166	3655190	15.90%	1.183%
58	18.574	2664	2667	2671	rVB	1803931	2285290	9.94%	0.739%
59	18.662	2676	2682	2686	rBV	4396803	7068422	30.74%	2.287%
60	18.715	2686	2691	2695	rVV2	2105552	3725474	16.20%	1.205%
61	18.751	2695	2697	2701	rVB	1515879	1560783	6.79%	0.505%
62	18.798	2701	2705	2712	rBV3	2059667	4131042	17.97%	1.337%
63	18.856	2712	2715	2719	rVB	533959	651633	2.83%	0.211%
64	18.921	2720	2726	2731	rBV	12433626	16805592	73.09%	5.437%
65	18.998	2735	2739	2741	rBV	839108	1152138	5.01%	0.373%
66	19.021	2741	2743	2748	rVB4	713832	858190	3.73%	0.278%
67	19.068	2748	2751	2756	rVB2	719866	970036	4.22%	0.314%
68	19.121	2756	2760	2763	rBV3	561722	798128	3.47%	0.258%
69	19.162	2763	2767	2773	rBV4	800960	1519252	6.61%	0.492%
70	19.209	2773	2775	2779	rVB2	565125	642287	2.79%	0.208%
71	19.286	2779	2788	2792	rBV	14632681	22994119	100.00%	7.440%

LSC Area Percent Report

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Operator : CG/JU
Sample : L1274-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B2-SAMPLE-S1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.374	2798	2803	2809	rVB2	1938529	3330677	14.48%	1.078%
73	19.462	2814	2818	2821	rBV3	764085	1069721	4.65%	0.346%
74	19.498	2821	2824	2828	rBV2	1643933	2247032	9.77%	0.727%
75	19.621	2840	2845	2850	rBV2	2420769	4738871	20.61%	1.533%
76	19.709	2856	2860	2863	rBV2	1028159	1396815	6.07%	0.452%
77	19.756	2863	2868	2870	rVV3	2025842	3670720	15.96%	1.188%
78	19.786	2870	2873	2878	rVB2	3349227	4778749	20.78%	1.546%
79	19.892	2887	2891	2895	rVB	1890837	2201193	9.57%	0.712%
80	19.945	2896	2900	2906	rBV	3878193	5258489	22.87%	1.701%
81	20.086	2920	2924	2928	rBV	2970392	3586549	15.60%	1.160%
82	20.133	2928	2932	2936	rVV	2949440	3890890	16.92%	1.259%
83	20.180	2937	2940	2946	rVB4	709720	1108390	4.82%	0.359%
84	20.539	2998	3001	3008	rVB	1894535	3008007	13.08%	0.973%
85	20.633	3014	3017	3021	rVB	999483	1136400	4.94%	0.368%
86	20.703	3022	3029	3033	rBV3	2048487	4815698	20.94%	1.558%
87	20.745	3033	3036	3039	rVB	1396975	1513601	6.58%	0.490%
88	20.780	3039	3042	3045	rBV	853315	1281845	5.57%	0.415%
89	21.044	3082	3087	3093	rBV2	8388974	15861966	68.98%	5.132%
90	21.097	3093	3096	3104	rVB	7192655	9005041	39.16%	2.914%
91	21.180	3107	3110	3113	rBV	1182068	1325858	5.77%	0.429%
92	21.415	3148	3150	3154	rVB	895450	958592	4.17%	0.310%
93	21.544	3170	3172	3175	rBV	860416	953349	4.15%	0.308%
94	21.597	3176	3181	3186	rVV	3708102	5770812	25.10%	1.867%
95	21.650	3186	3190	3194	rVB	2049989	2588100	11.26%	0.837%
96	21.786	3209	3213	3216	rBV	1705251	2246862	9.77%	0.727%
97	22.562	3339	3345	3349	rBV2	3380832	7356392	31.99%	2.380%
98	22.997	3415	3419	3426	rVB	2905395	4825238	20.98%	1.561%
99	23.086	3429	3434	3443	rBV	3978713	6963037	30.28%	2.253%
100	23.174	3445	3449	3454	rBV	1971139	3339514	14.52%	1.080%

Sum of corrected areas: 309072223

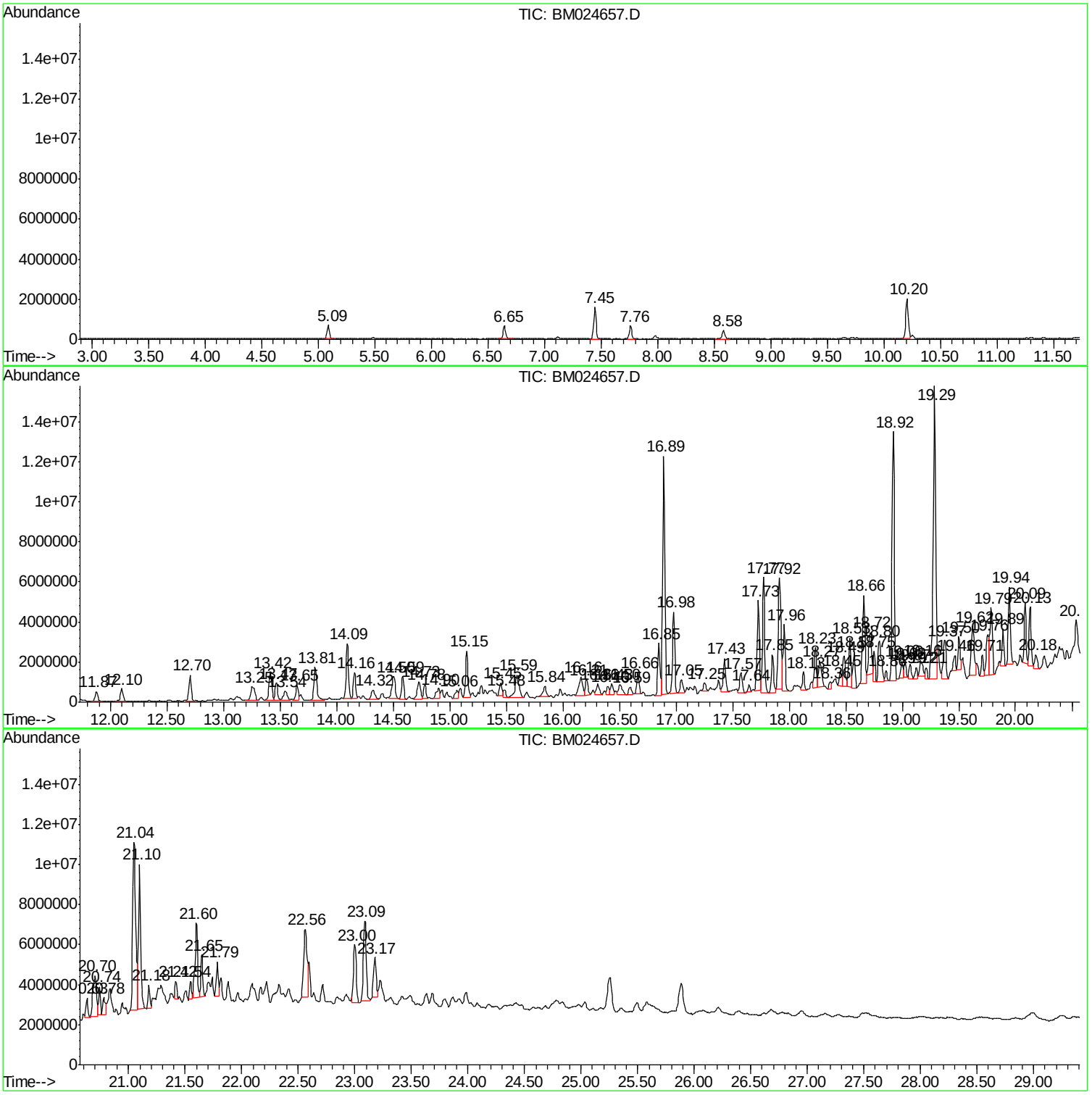
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024657.D
Acq On : 29 Jan 2020 19:17
Operator : CG/JU
Sample : L1274-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BORING-B2-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024657.D
Acq On : 29 Jan 2020 19:17
Operator : CG/JU
Sample : L1274-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B2-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

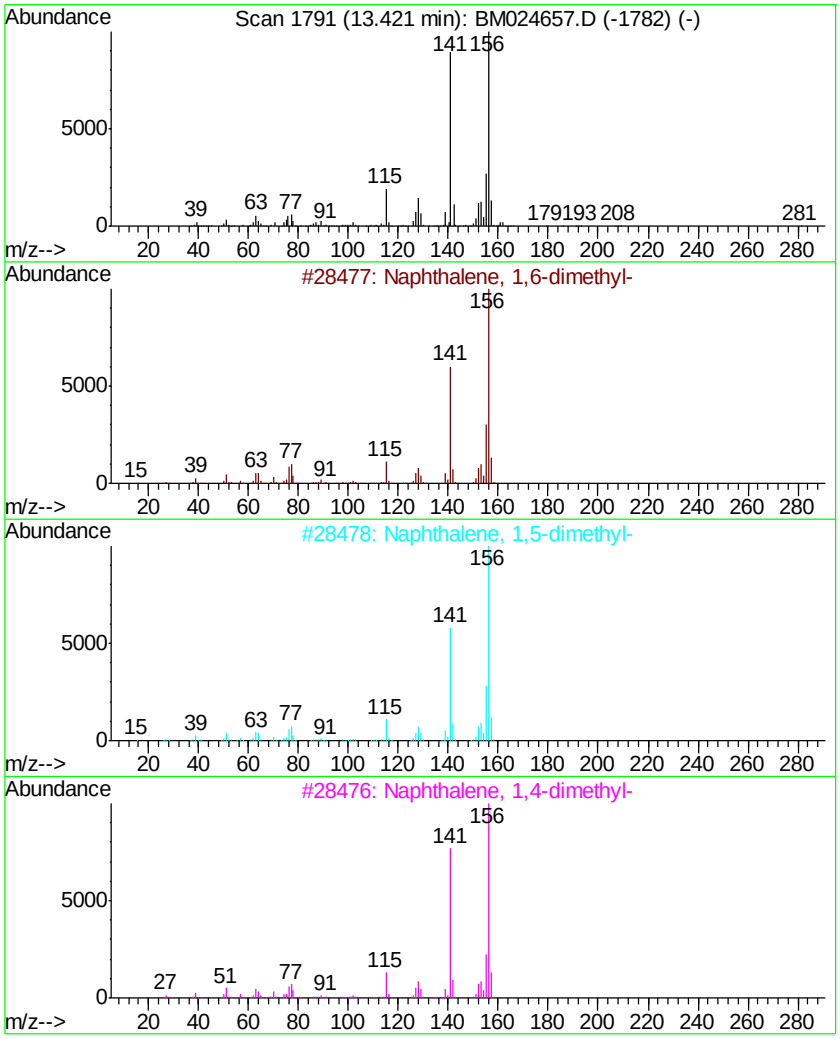
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

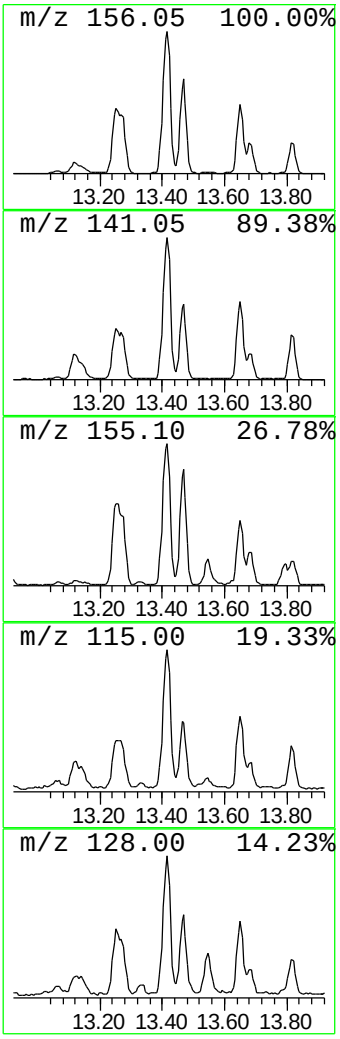
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	11.89 ng	2472500	Acenaphthene-d10	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	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, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024657.D
Acq On : 29 Jan 2020 19:17
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Sample : L1274-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BORING-B2-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

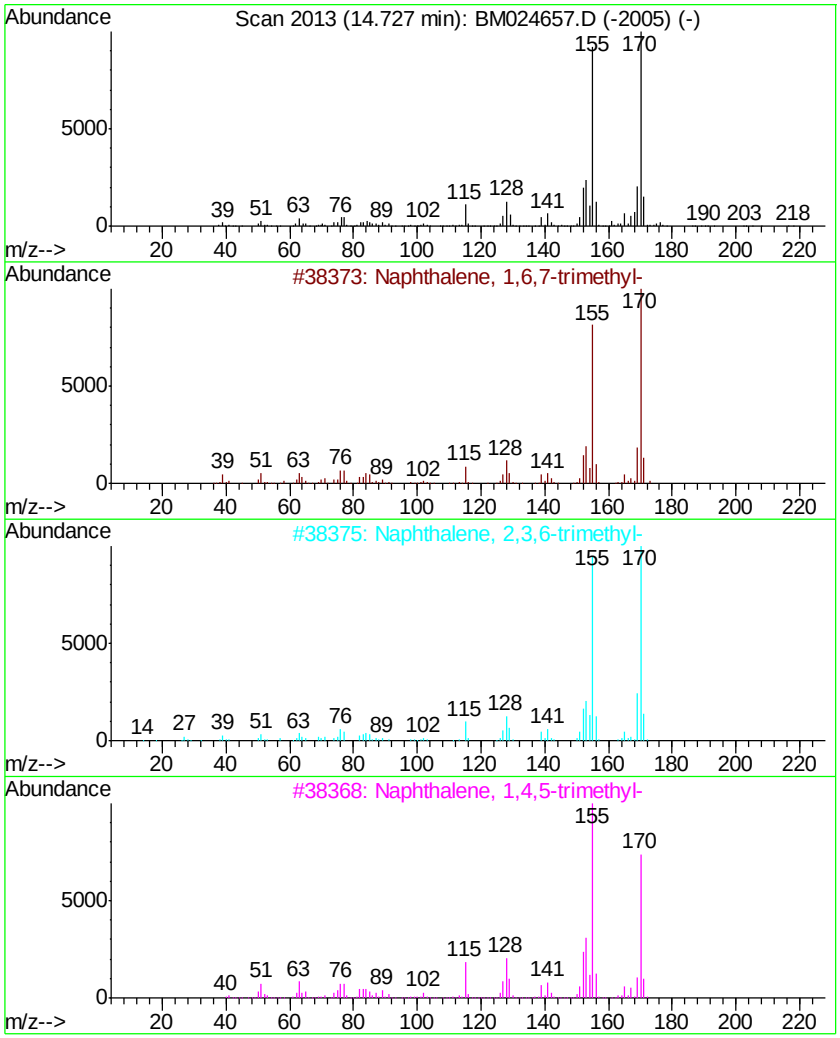
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

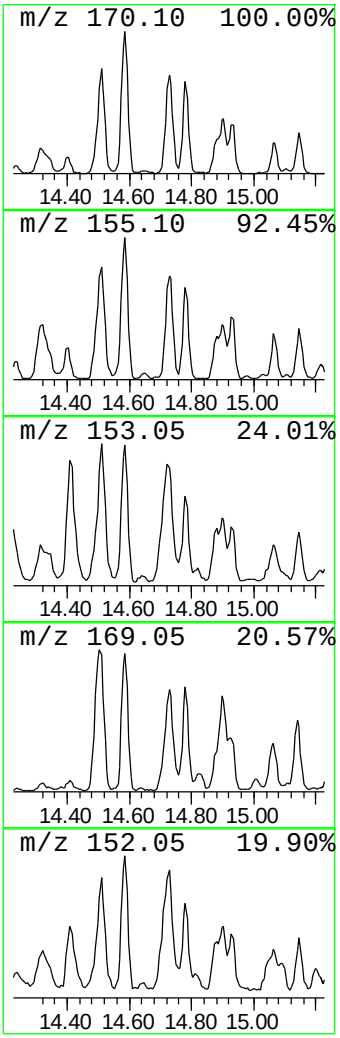
****

Peak Number 3 Naphthalene, 1,6,7-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	8.50 ng	1768480	Acenaphthene-d10	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





Library Search Compound Report

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Acq On : 29 Jan 2020 19:17
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Sample : L1274-02 5X
Misc :
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Instrument : BNA_M
ClientSampleId : BORING-B2-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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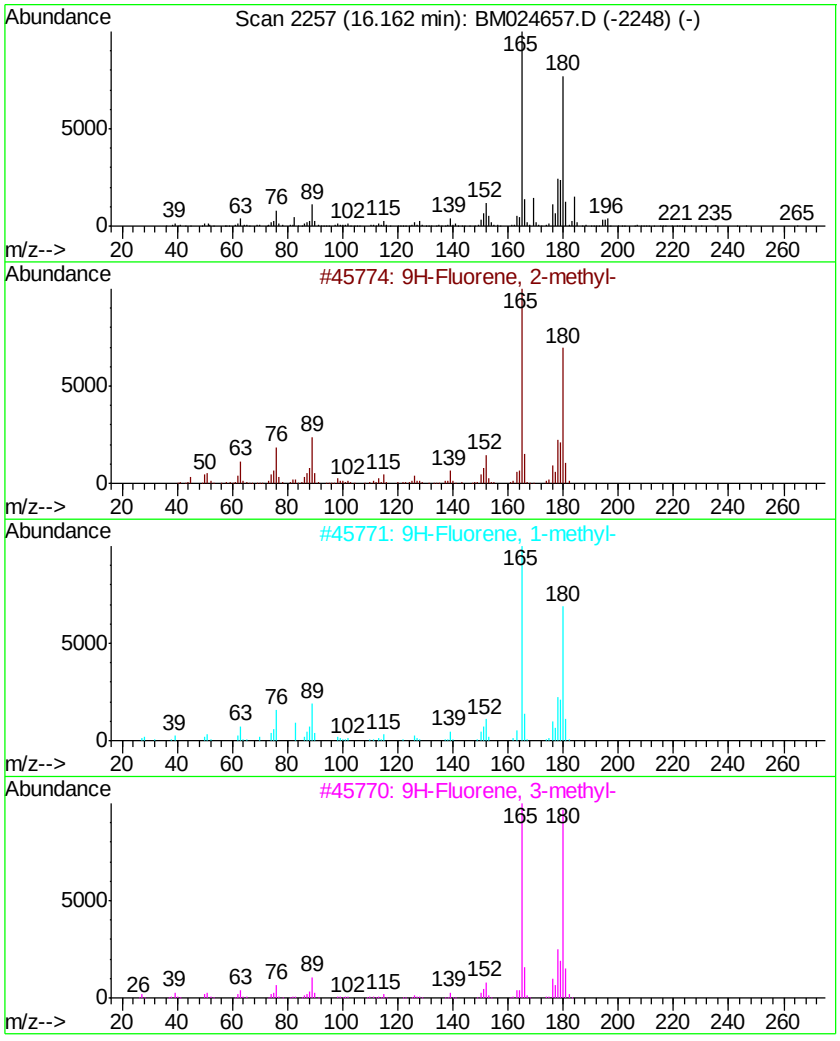
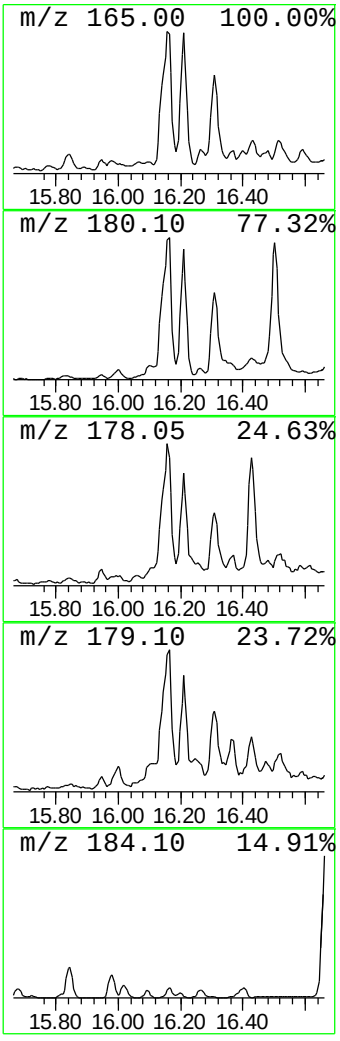
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	11.36 ng	2226530	Phenanthrene-d10	16.85

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024657.D
Acq On : 29 Jan 2020 19:17
Operator : CG/JU
Sample : L1274-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BORING-B2-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

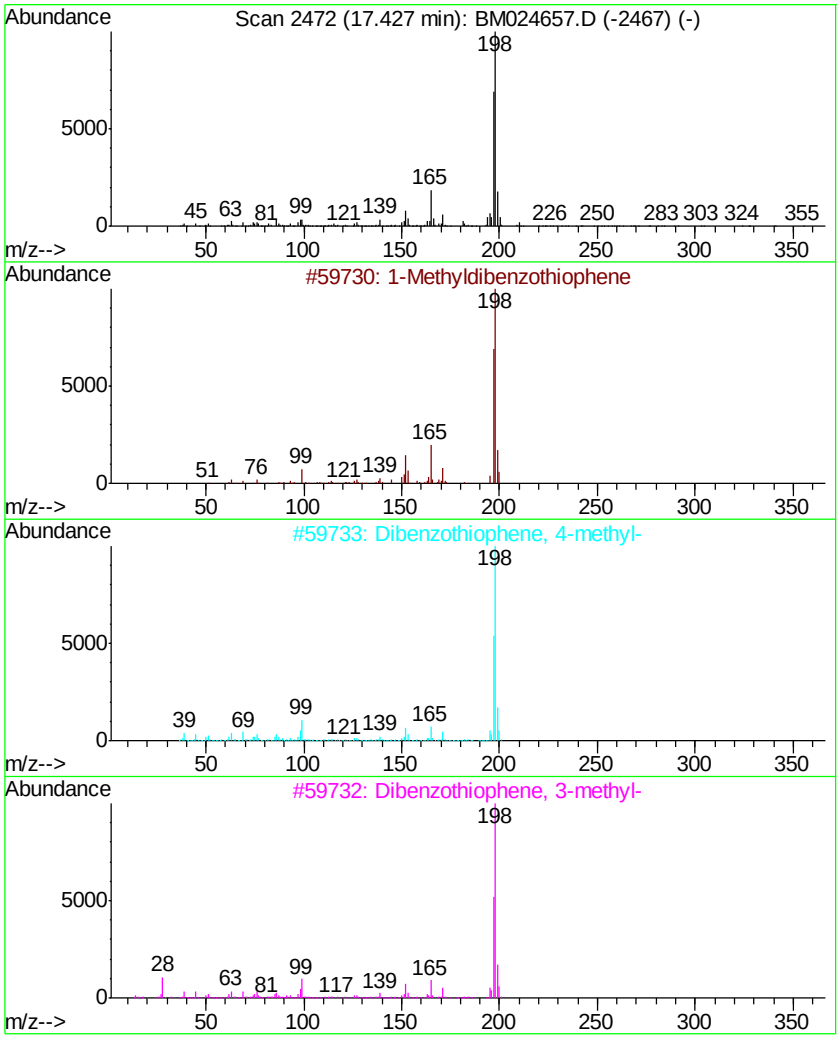
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

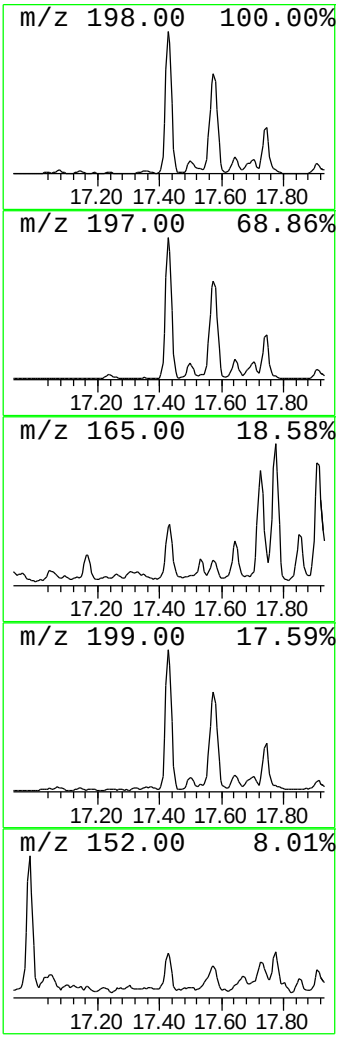
****

Peak Number 5 1-Methyldibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	12.39 ng	2429470	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
4	Tacrine	198	C13H14N2	000321-64-2	80
5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	64





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Data File : BM024657.D
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Operator : CG/JU
Sample : L1274-02 5X
Misc :
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Instrument : BNA_M
ClientSampleId : BORING-B2-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

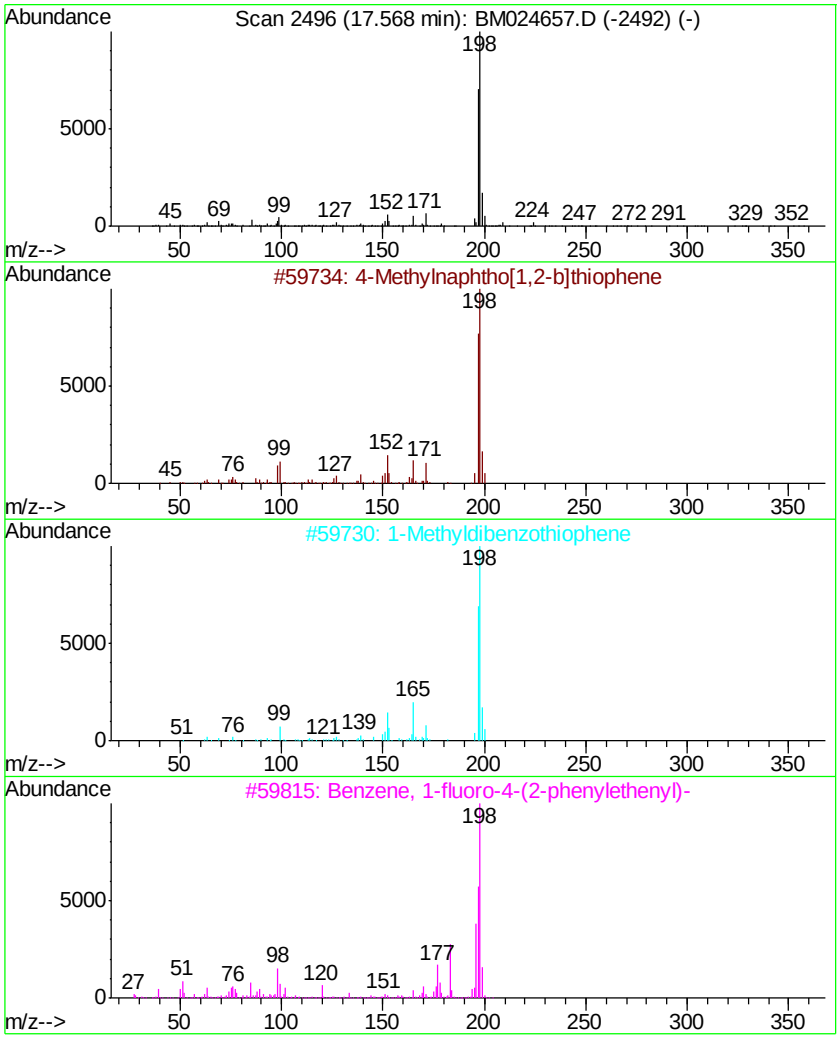
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

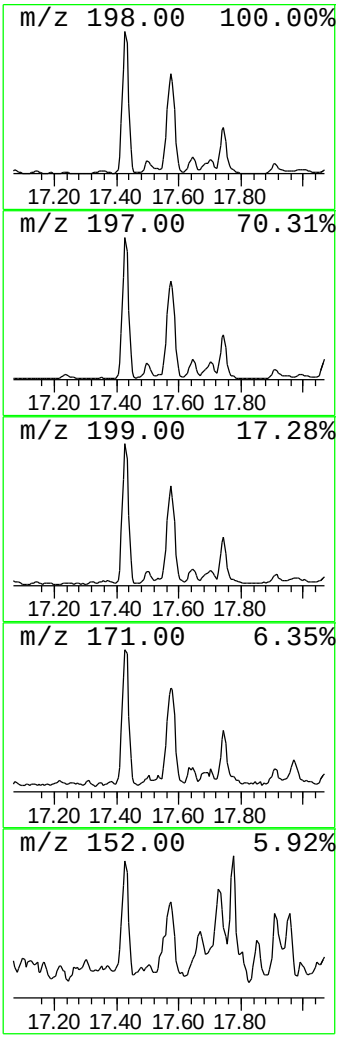
****

Peak Number 6 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	8.87 ng	1739880	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	97
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
3	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	80
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	78
5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	78





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Data File : BM024657.D
Acq On : 29 Jan 2020 19:17
Operator : CG/JU
Sample : L1274-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BORING-B2-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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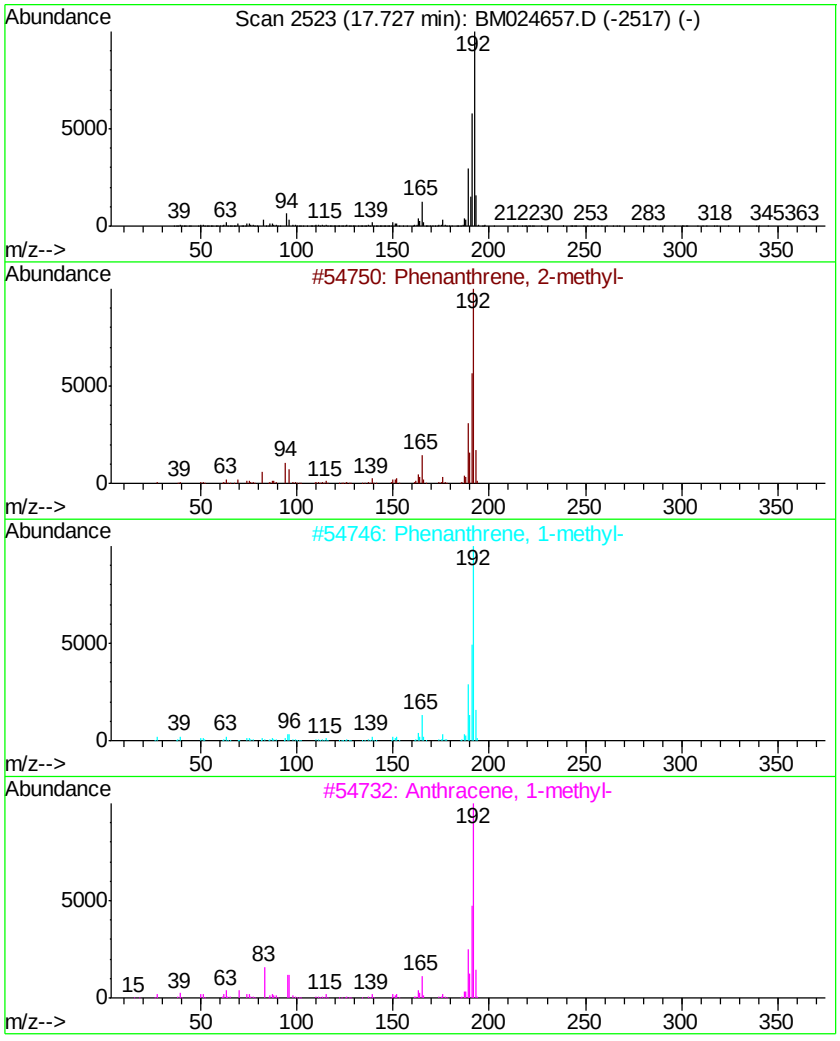
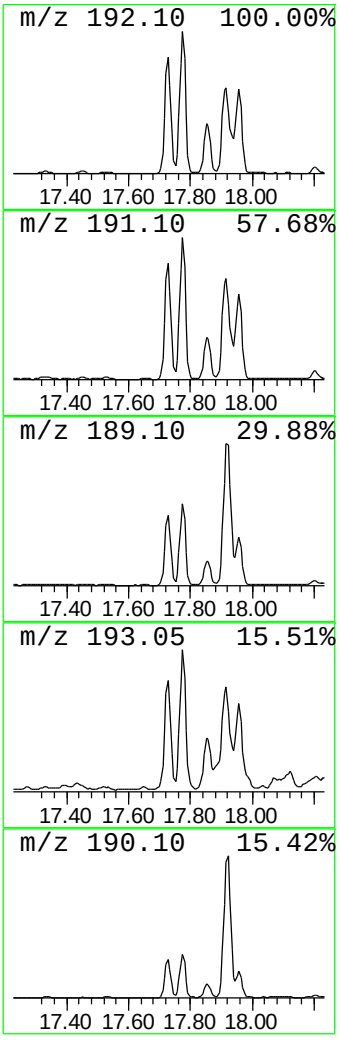
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	33.72 ng	6612700	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Data File : BM024657.D
Acq On : 29 Jan 2020 19:17
Operator : CG/JU
Sample : L1274-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BORING-B2-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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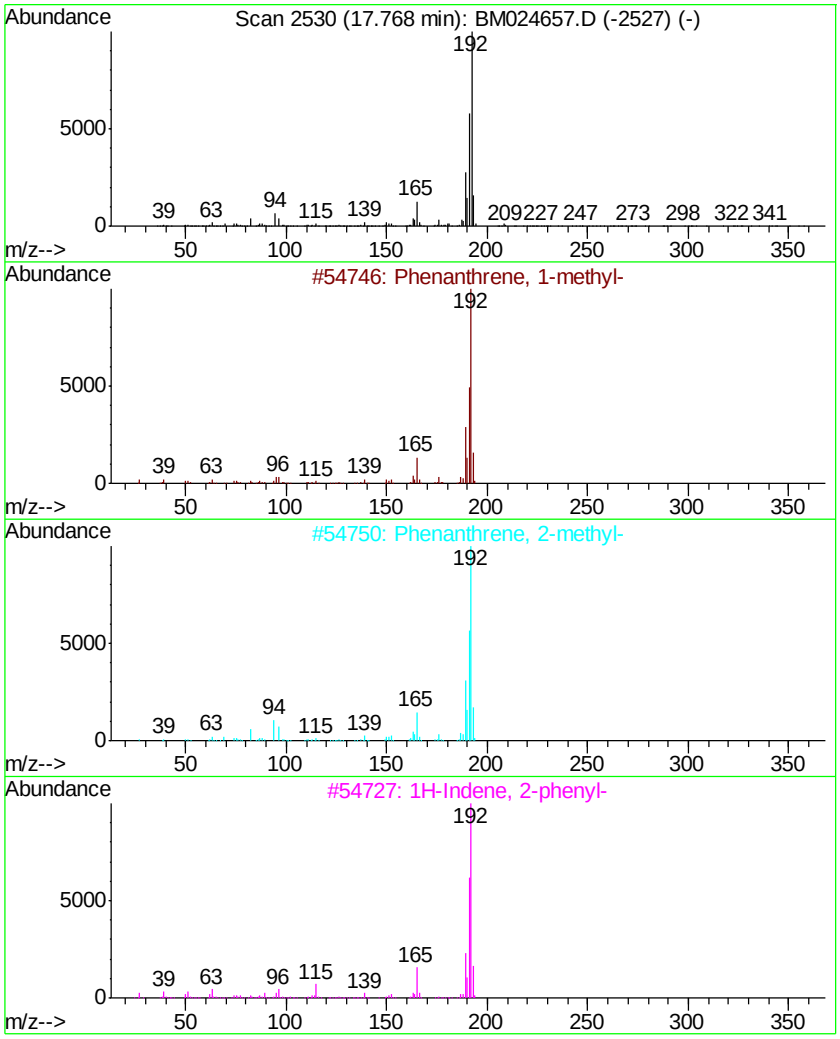
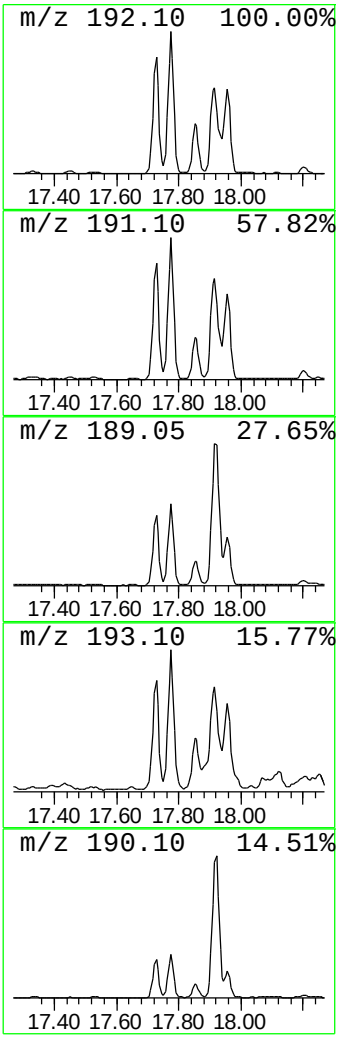
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	39.31 ng	7708010	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Library Search Compound Report

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Data File : BM024657.D
Acq On : 29 Jan 2020 19:17
Operator : CG/JU
Sample : L1274-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BORING-B2-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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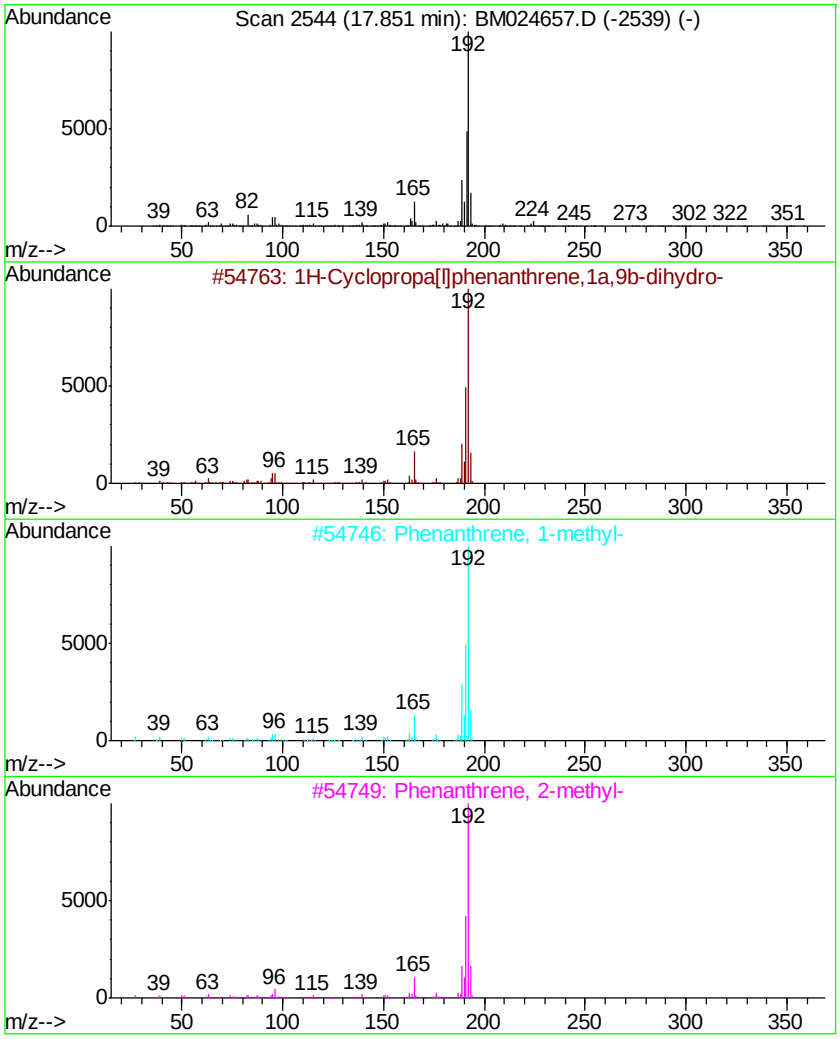
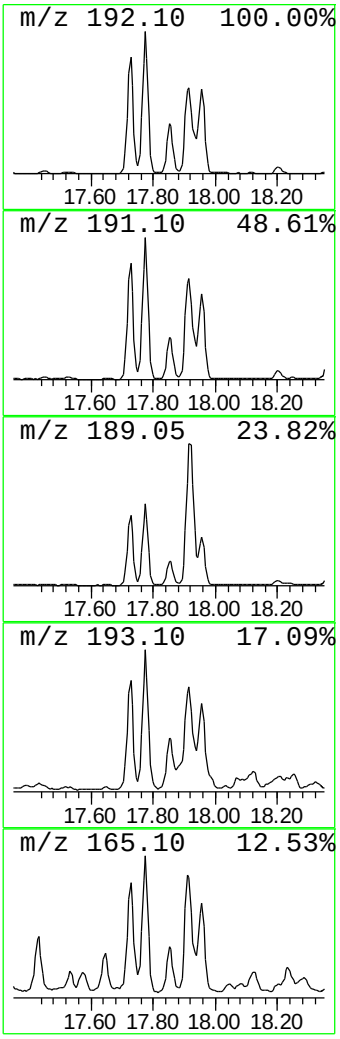
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	14.45 ng	2832420	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96





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Data File : BM024657.D
Acq On : 29 Jan 2020 19:17
Operator : CG/JU
Sample : L1274-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BORING-B2-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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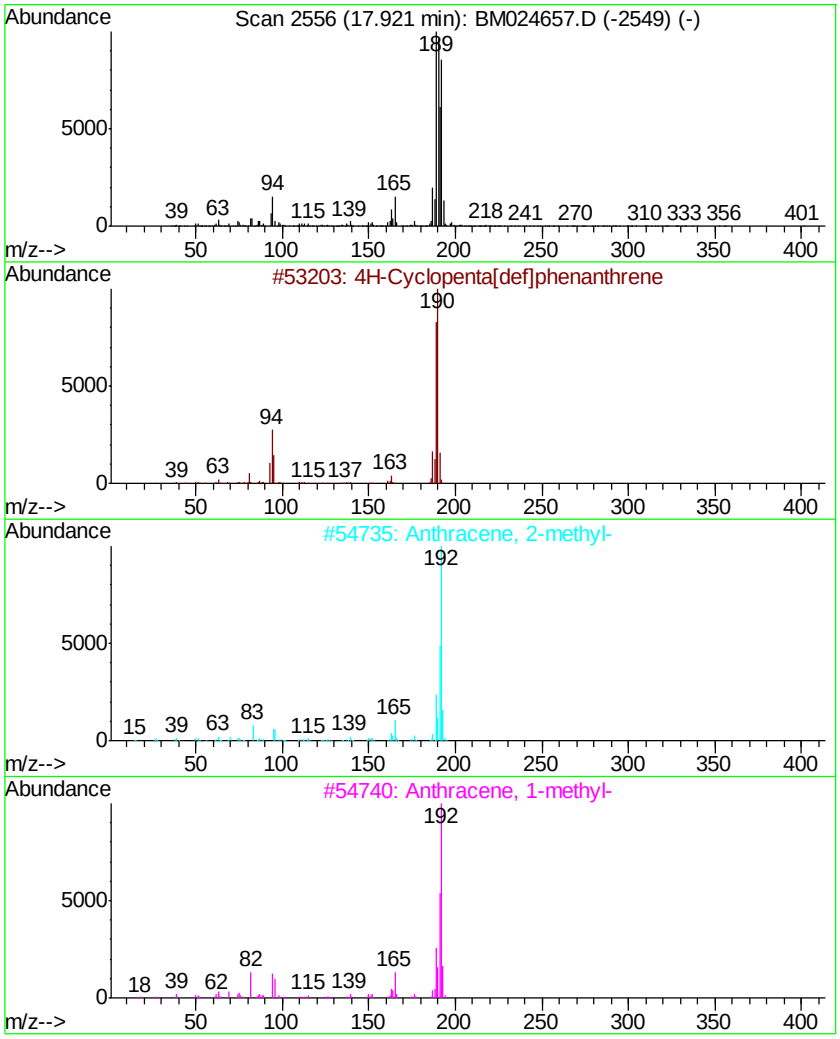
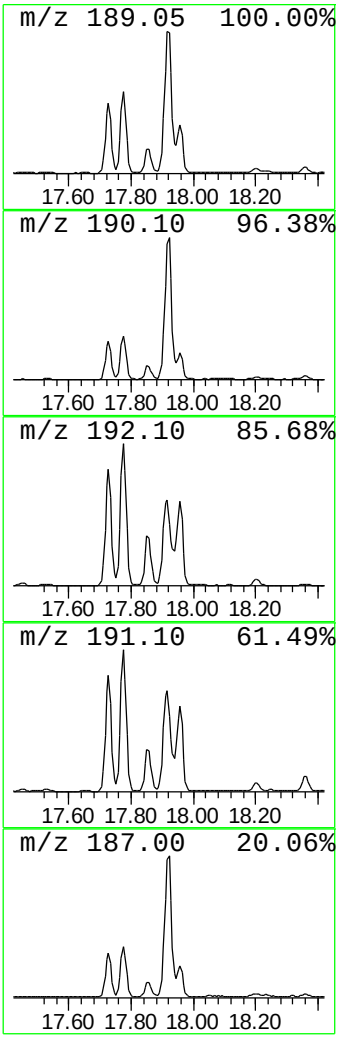
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	47.20 ng	9254210	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





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Acq On : 29 Jan 2020 19:17
Operator : CG/JU
Sample : L1274-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B2-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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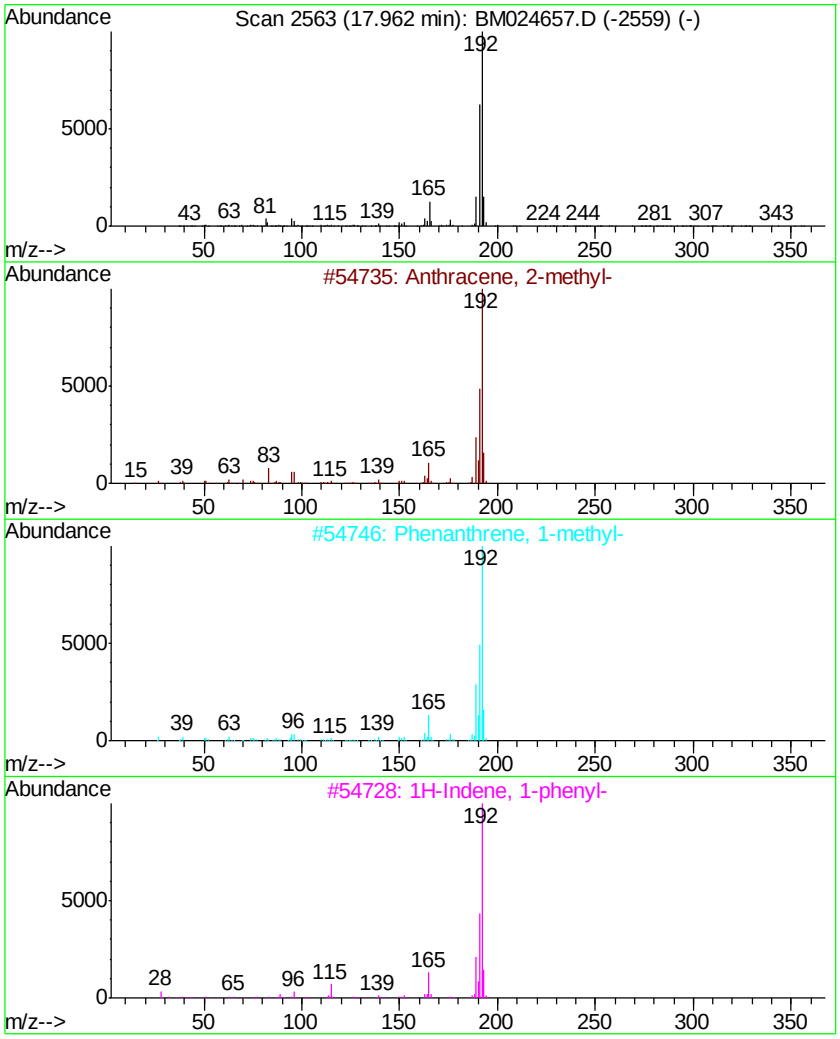
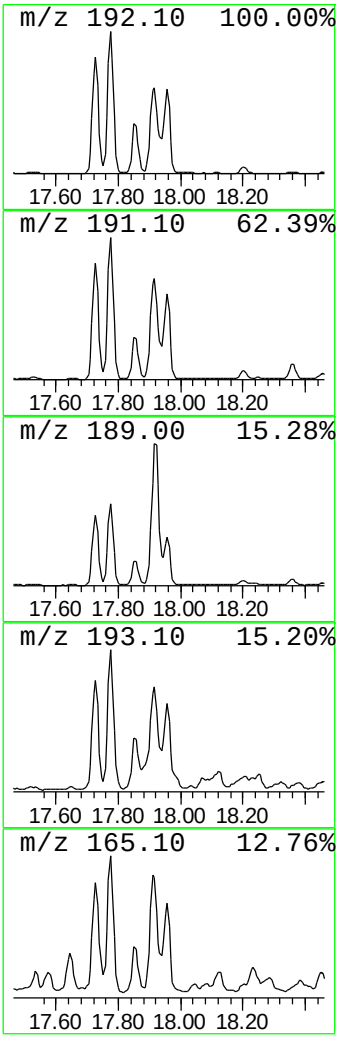
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	22.60 ng	4431400	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	91





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Acq On : 29 Jan 2020 19:17
Operator : CG/JU
Sample : L1274-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BORING-B2-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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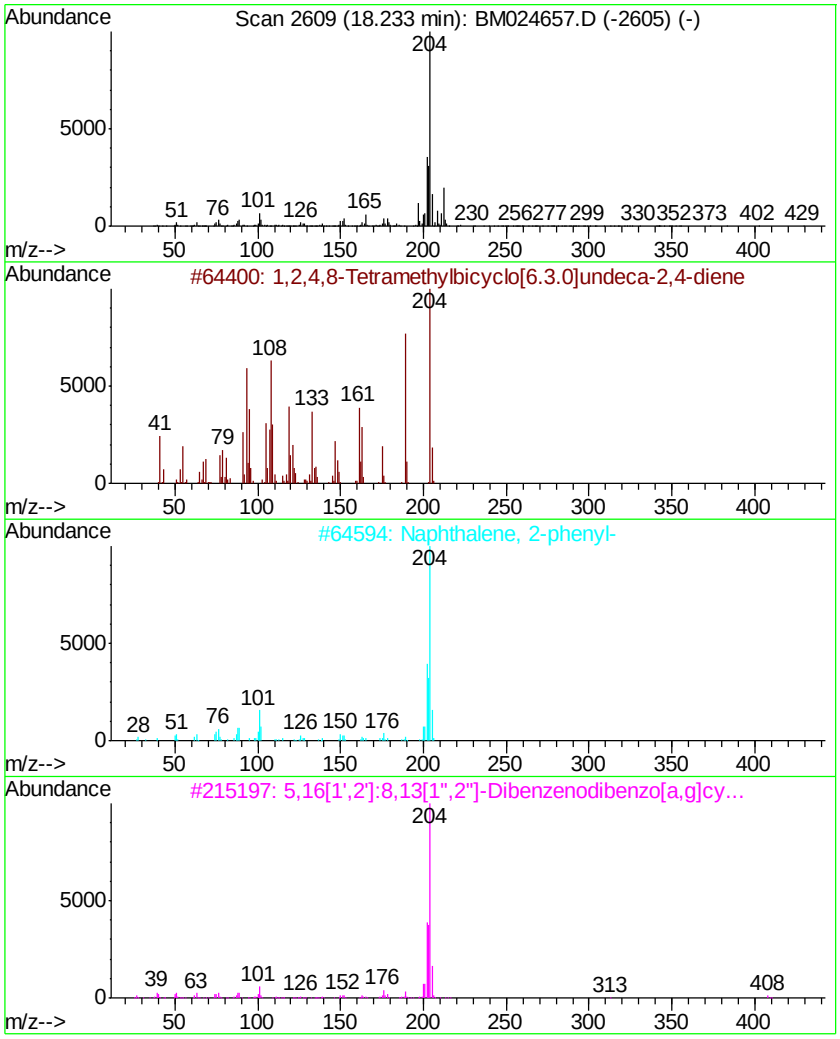
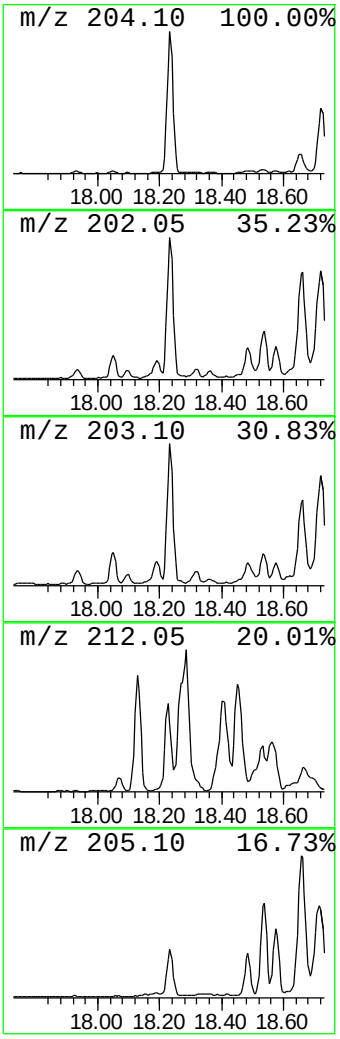
Peak Number 12 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	14.54 ng	2850510	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	58
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	49
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46





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

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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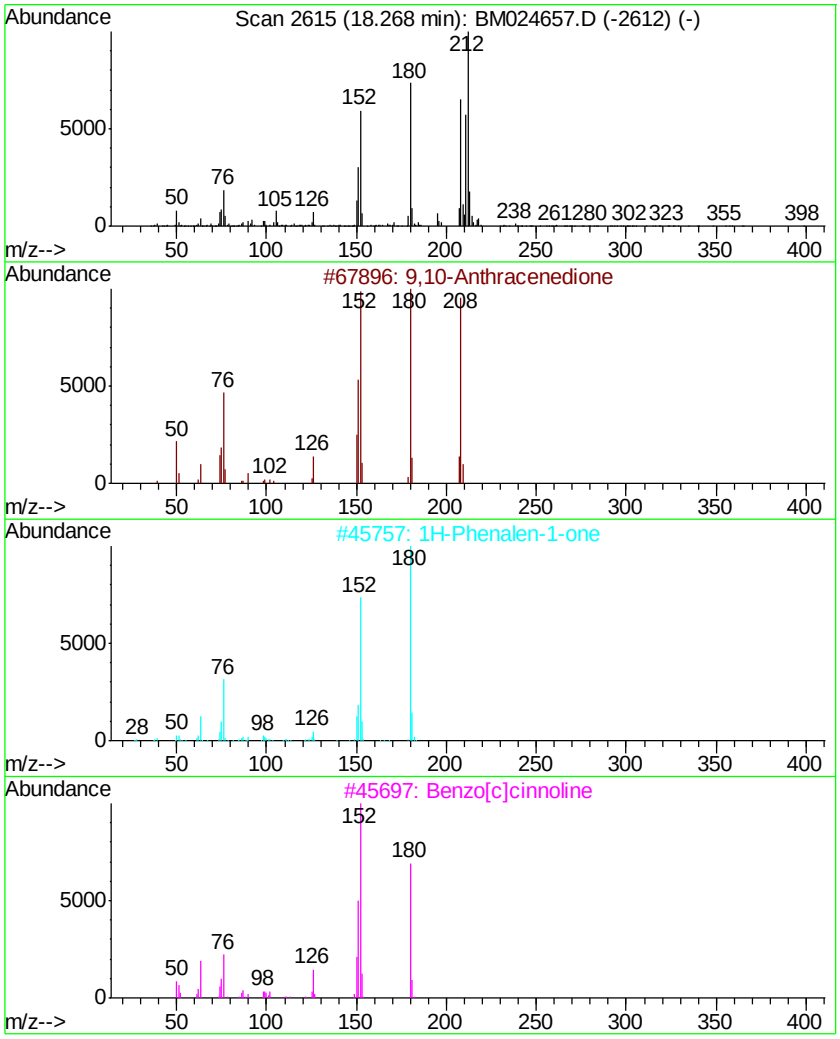
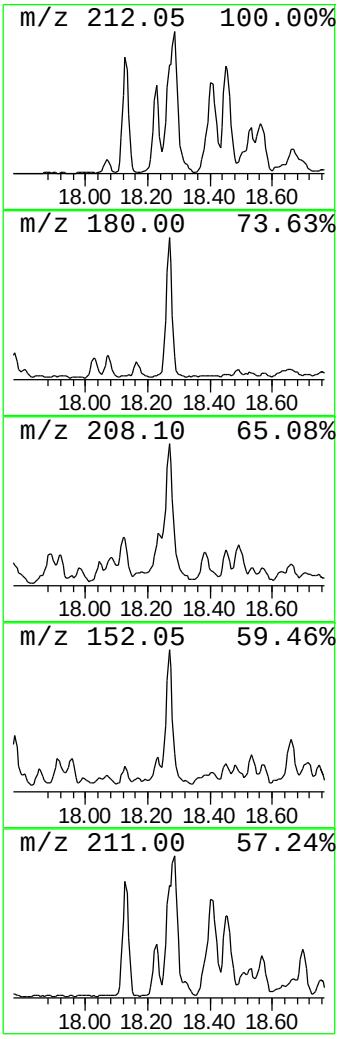
Peak Number 13 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	12.47 ng	2444960	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	42
4	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	41
5	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	41





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Operator : CG/JU
Sample : L1274-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B2-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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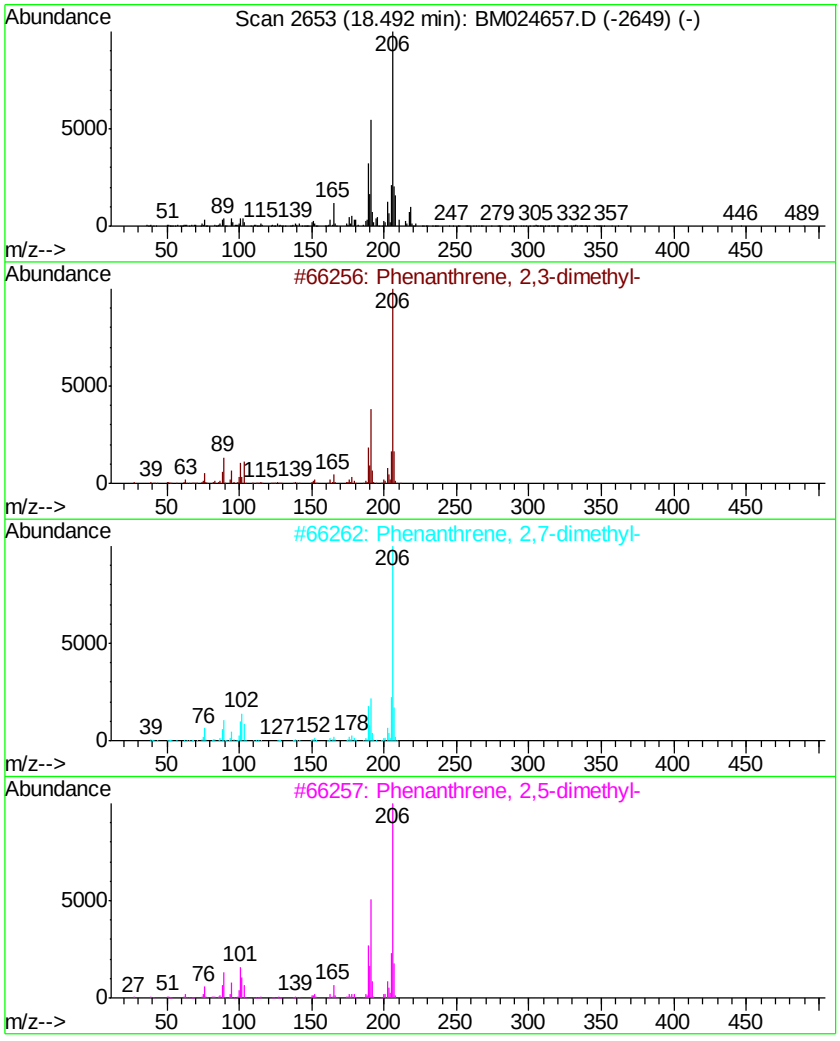
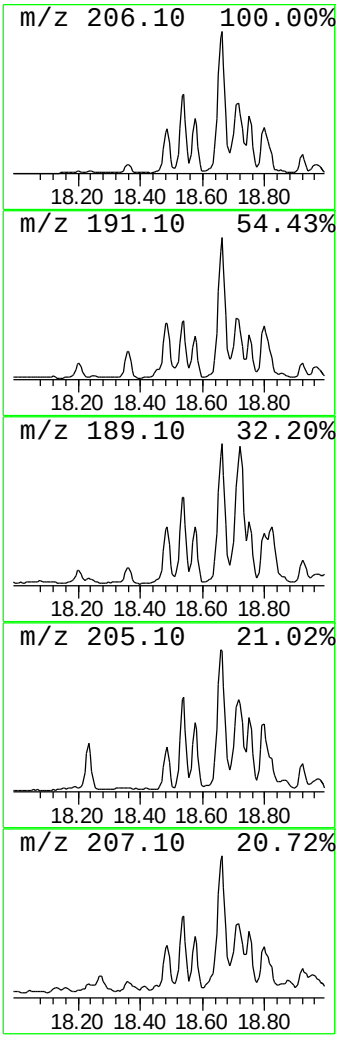
Peak Number 14 Phenanthrene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	11.29 ng	2213060	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Sample : L1274-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B2-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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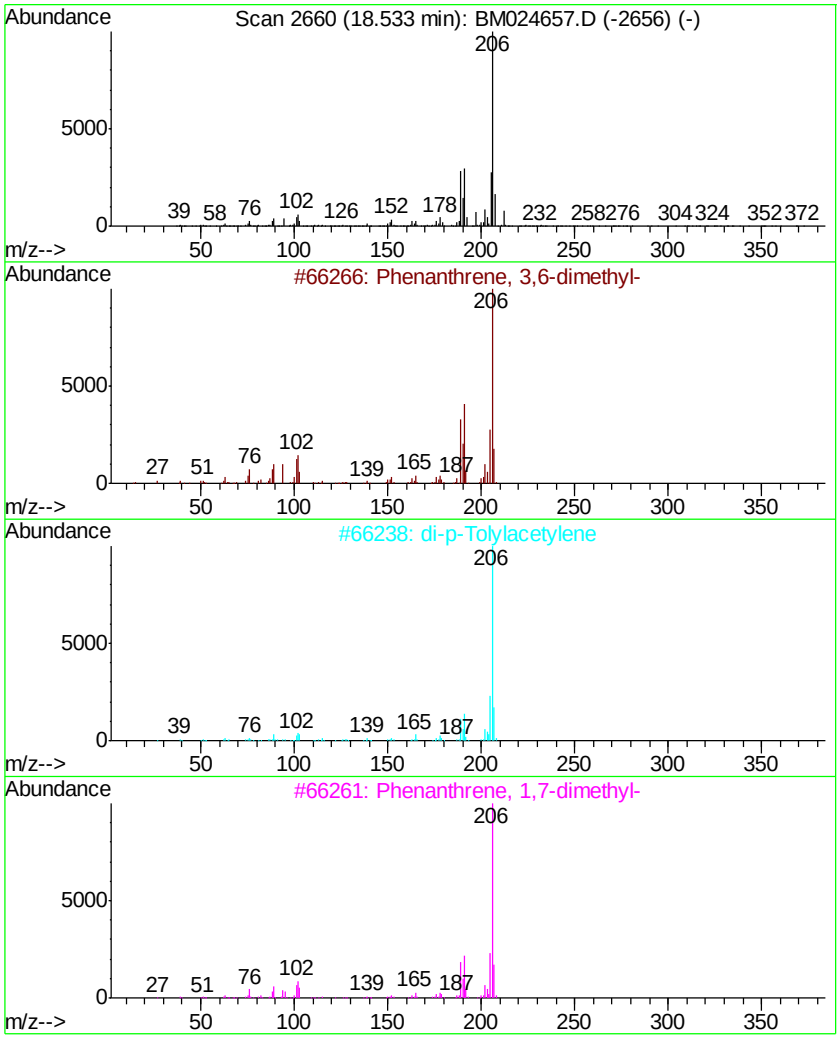
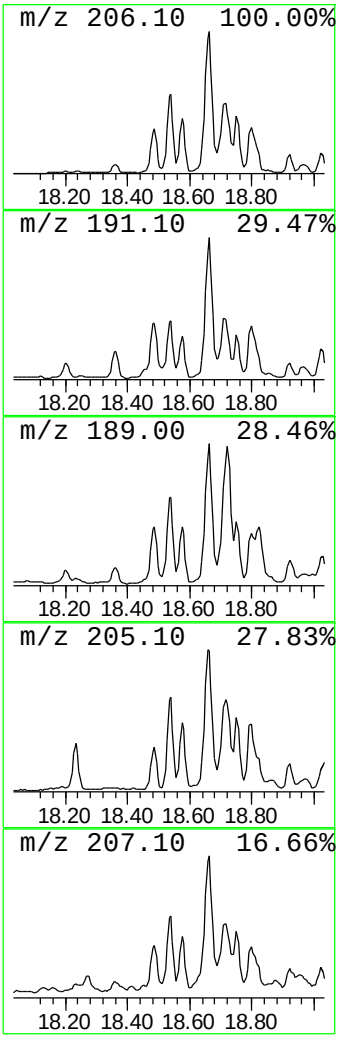
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	18.64 ng	3655190	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	74
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	74





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Sample : L1274-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B2-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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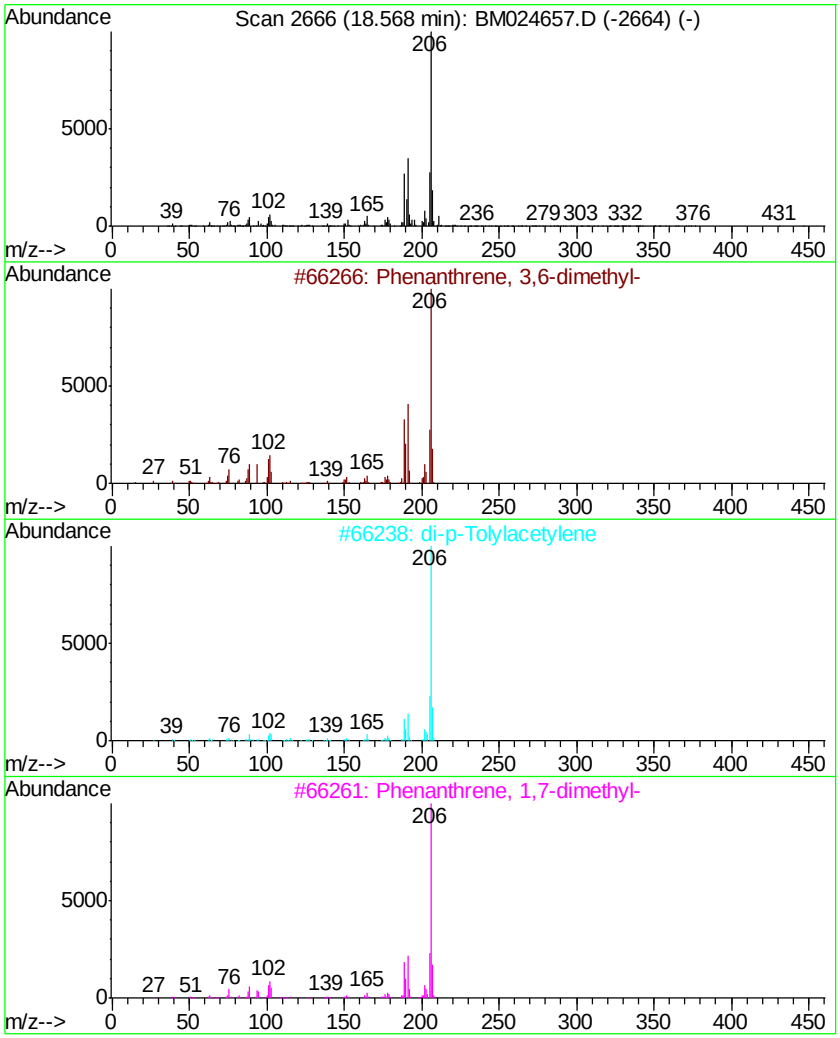
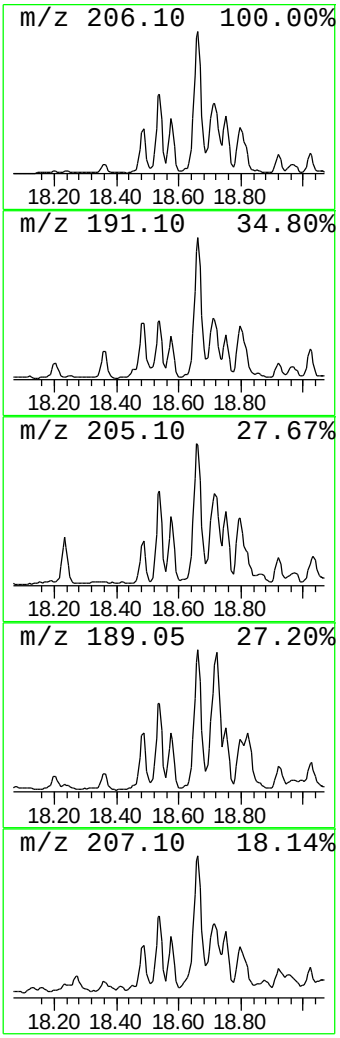
Peak Number 16 di-p-Tolylacetylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	11.65 ng	2285290	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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Sample : L1274-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B2-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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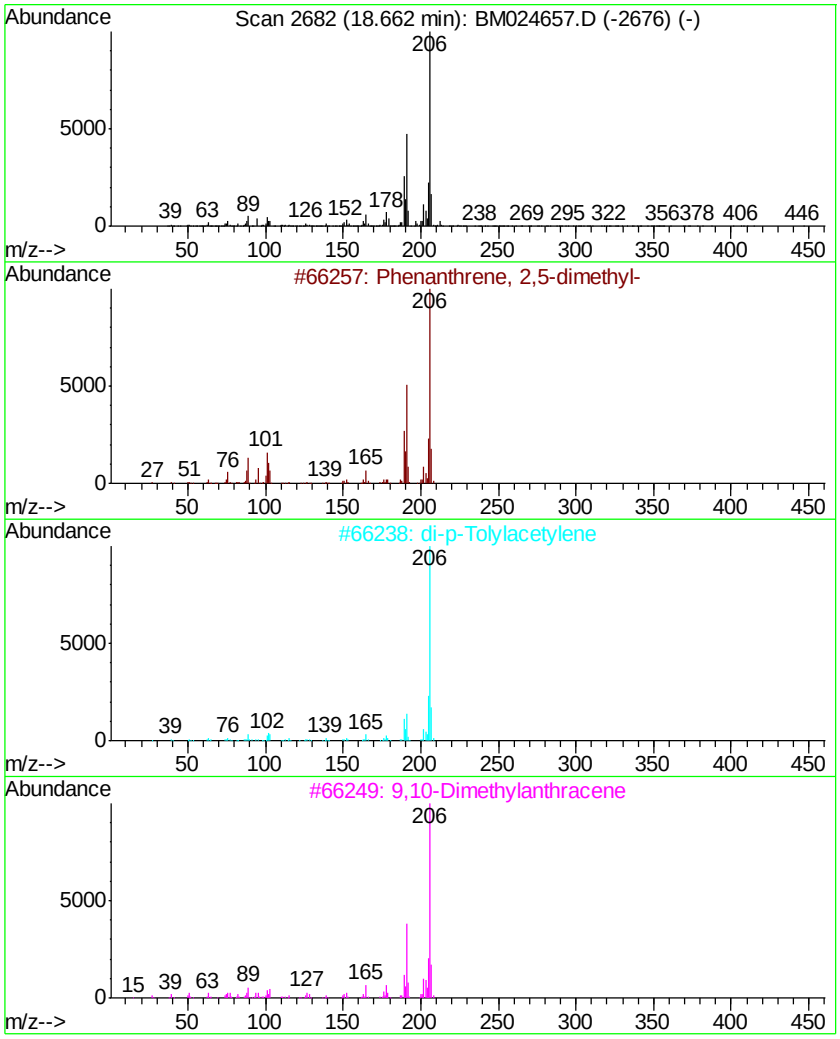
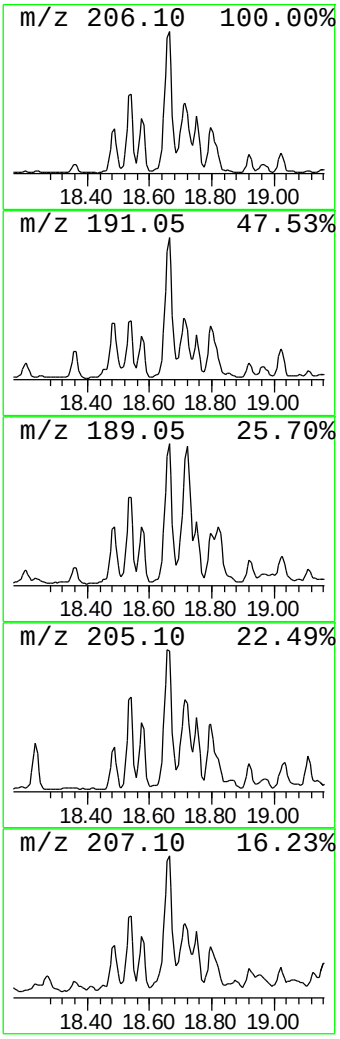
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	36.05 ng	7068420	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024657.D
Acq On : 29 Jan 2020 19:17
Operator : CG/JU
Sample : L1274-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B2-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

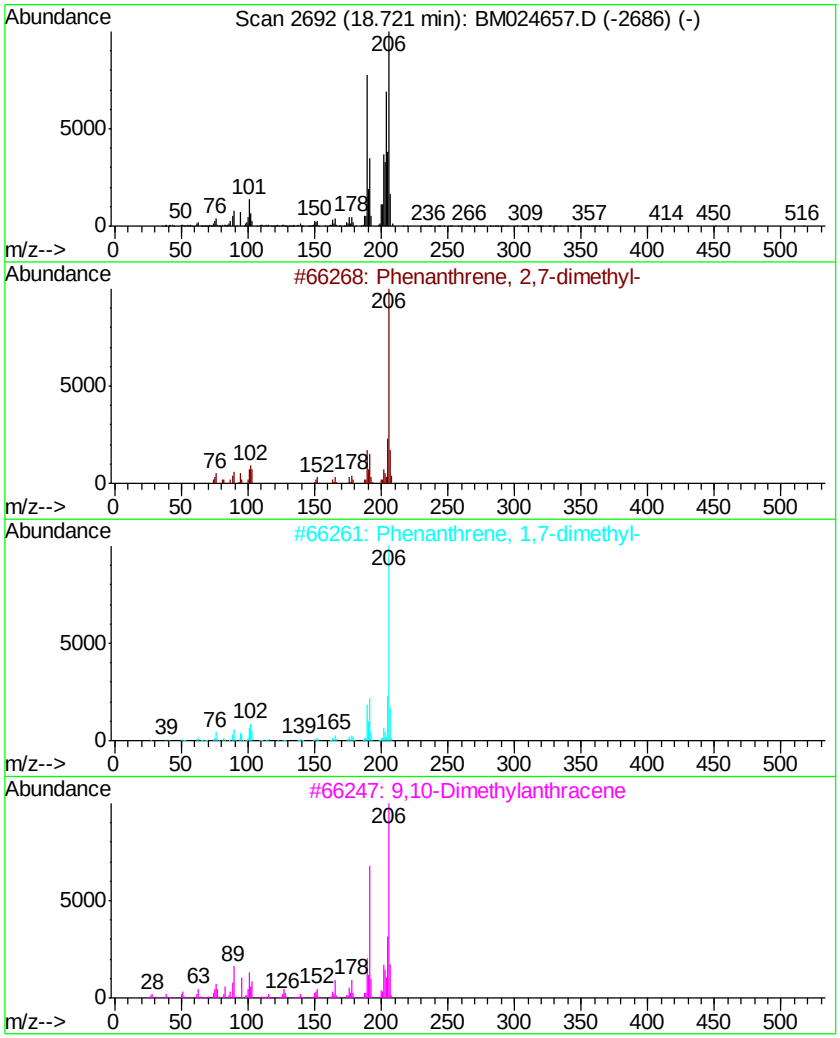
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

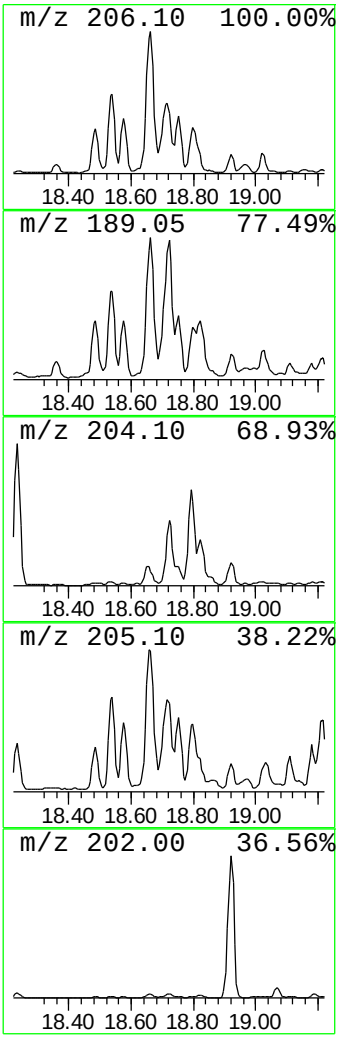
****

Peak Number 18 Phenanthrene, 2,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	19.00 ng	3725470	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	62
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	49
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	49
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	46
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024657.D
Acq On : 29 Jan 2020 19:17
Operator : CG/JU
Sample : L1274-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B2-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

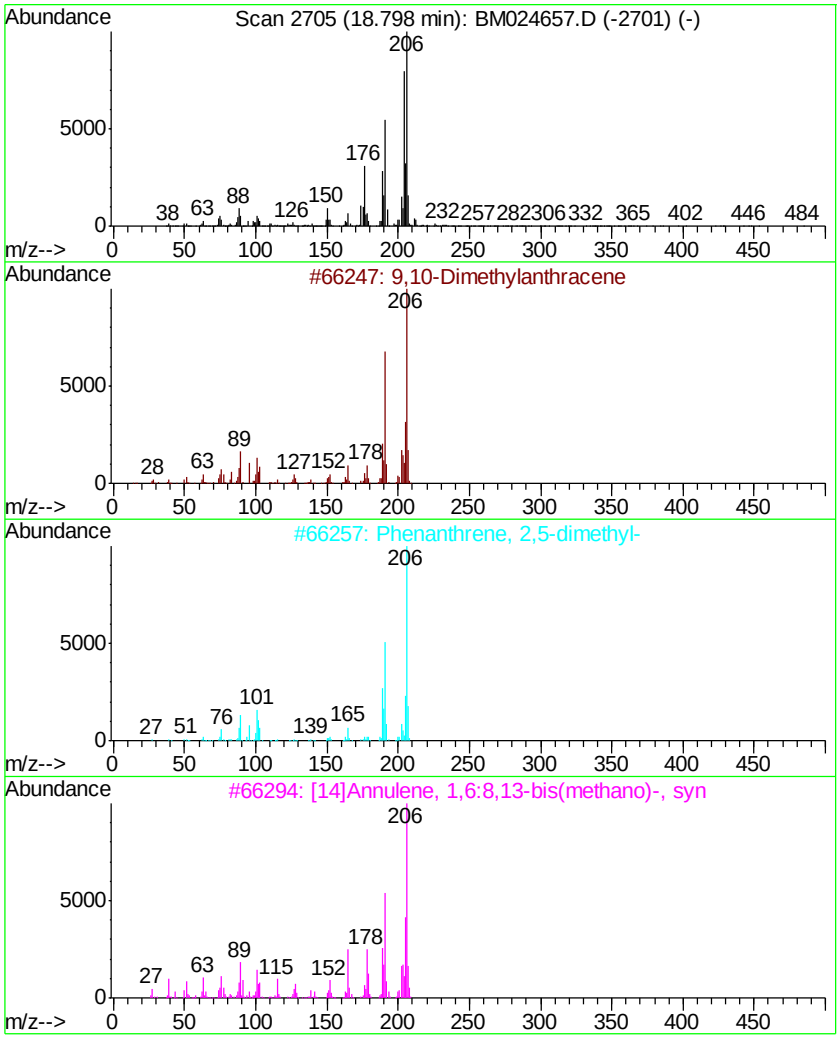
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

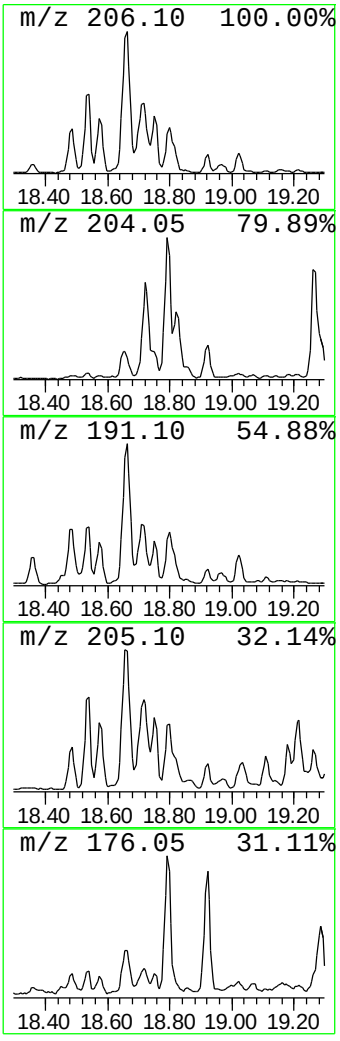
****

Peak Number 19 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	21.07 ng	4131040	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	60
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	60
4	Spiro[cyclopropane-1,8'(1H')[3a....	204	C14H20O	452049-62-6	56
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM012920\
Data File : BM024657.D
Acq On : 29 Jan 2020 19:17
Operator : CG/JU
Sample : L1274-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BORING-B2-SAMPLE-S1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1,6-...	13.42	11.9	ng	2472500	3	14.09	4159260	20.0
Naphthalene, 1,6,...	14.73	8.5	ng	1768480	3	14.09	4159260	20.0
9H-Fluorene, 2-me...	16.16	11.4	ng	2226530	4	16.85	3921640	20.0
1-Methyldibenzoth...	17.43	12.4	ng	2429470	4	16.85	3921640	20.0
4-Methylnaphtho[1...	17.57	8.9	ng	1739880	4	16.85	3921640	20.0
Phenanthrene, 2-m...	17.73	33.7	ng	6612700	4	16.85	3921640	20.0
Phenanthrene, 1-m...	17.77	39.3	ng	7708010	4	16.85	3921640	20.0
1H-Cyclopropa[l]p...	17.85	14.4	ng	2832420	4	16.85	3921640	20.0
4H-Cyclopenta[def...	17.92	47.2	ng	9254210	4	16.85	3921640	20.0
Anthracene, 2-met...	17.96	22.6	ng	4431400	4	16.85	3921640	20.0
1,2,4,8-Tetrameth...	18.23	14.5	ng	2850510	4	16.85	3921640	20.0
9,10-Anthracenedione	18.27	12.5	ng	2444960	4	16.85	3921640	20.0
Phenanthrene, 2,3...	18.49	11.3	ng	2213060	4	16.85	3921640	20.0
Phenanthrene, 3,6...	18.53	18.6	ng	3655190	4	16.85	3921640	20.0
di-p-Tolylacetylene	18.57	11.7	ng	2285290	4	16.85	3921640	20.0
Phenanthrene, 2,5...	18.66	36.0	ng	7068420	4	16.85	3921640	20.0
Phenanthrene, 2,7...	18.72	19.0	ng	3725470	4	16.85	3921640	20.0
9,10-Dimethylanth...	18.80	21.1	ng	4131040	4	16.85	3921640	20.0