LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020427.D
Acq On : 20 May 2019 12:18
Operator : JU/SJ
Sample : K2633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM-EPA-BM051619MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.734	464	467	472	rVB	21415	31253	1.18%	0.124%
2	6.910	662	667	676	rVB4	33566	60754	2.29%	0.242%
3	7.081	692	696	702	rBV2	20115	35787	1.35%	0.143%
4	7.269	723	728	736	rVB2	40435	70928	2.67%	0.283%
5	7.387	744	748	756	rVB3	23350	45744	1.72%	0.182%
6	7.734	802	807	817	rVB	248924	417948	15.73%	1.665%
7	8.269	893	898	904	rVB	20754	34811	1.31%	0.139%
8	8.445	923	928	936	rVB3	32862	62477	2.35%	0.249%
9	8.910	1002	1007	1016	rVB3	26808	54280	2.04%	0.216%
10	9.628	1123	1129	1138	rVB	22917	42667	1.61%	0.170%
11	10.110	1206	1211	1215	rVV	29066	51660	1.94%	0.206%
12	10.157	1215	1219	1228	rVB	32793	62979	2.37%	0.251%
13	10.528	1276	1282	1290	rBV	328146	555421	20.91%	2.212%
14	12.045	1529	1540	1552	rVV2	37323	121179	4.56%	0.483%
15	12.198	1561	1566	1571	rVV	31931	53259	2.00%	0.212%
16	12.416	1594	1603	1612	rVV	54968	94387	3.55%	0.376%
17	13.180	1725	1733	1738	rBV3	26000	44673	1.68%	0.178%
18	13.351	1757	1762	1767	rBV3	24920	46253	1.74%	0.184%
19	13.439	1770	1777	1786	rVB5	14979	42314	1.59%	0.169%
20	13.545	1788	1795	1804	rBV3	34947	86197	3.24%	0.343%
21	13.622	1804	1808	1816	rBV2	17749	29625	1.12%	0.118%
22	13.704	1816	1822	1827	rBV2	49830	84322	3.17%	0.336%
23	13.757	1827	1831	1834	rBV	25434	36270	1.37%	0.144%
24	13.798	1834	1838	1841	rVV	92361	125606	4.73%	0.500%
25	13.845	1841	1846	1851	rVB2	157499	237550	8.94%	0.946%
26	13.945	1858	1863	1873	rVB3	24498	49633	1.87%	0.198%
27	14.086	1881	1887	1888	rVV	114777	163822	6.17%	0.653%
28	14.110	1888	1891	1902	rVB	308709	474818	17.87%	1.891%
29	14.263	1910	1917	1922	rBV2	38350	54452	2.05%	0.217%
30	14.386	1932	1938	1946	rVV2	472567	764544	28.78%	3.045%
31	14.992	2036	2041	2046	rBV2	65150	107913	4.06%	0.430%
32	15.092	2054	2058	2064	rVB2	19214	28372	1.07%	0.113%
33	15.157	2064	2069	2075	rBV3	18405	32302	1.22%	0.129%
34	15.216	2075	2079	2083	rBV2	37648	45874	1.73%	0.183%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020427.D
Acq On : 20 May 2019 12:18
Operator : JU/SJ
Sample : K2633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM-EPA-BM051619MA.M
Title : SVOA CALIBRATION

35	15.263	2083	2087	2093	rVB2	63811	84383	3.18%	0.336%
36	15.386	2103	2108	2113	rVB	171768	233000	8.77%	0.928%
37	15.439	2113	2117	2118	rBV3	29664	33720	1.27%	0.134%
38	15.463	2119	2121	2129	rVB3	42561	59781	2.25%	0.238%
39	15.563	2134	2138	2145	rVB4	32788	47178	1.78%	0.188%
40	15.645	2145	2152	2158	rBV4	34276	67720	2.55%	0.270%
41	15.780	2172	2175	2182	rVB3	25190	45454	1.71%	0.181%
42	16.086	2222	2227	2229	rBV	34667	52559	1.98%	0.209%
43	16.427	2282	2285	2293	rBV6	28798	63509	2.39%	0.253%
44	16.498	2293	2297	2300	rVV2	33659	52220	1.97%	0.208%
45	16.545	2300	2305	2309	rVB3	27371	49322	1.86%	0.196%
46	16.592	2309	2313	2318	rBV	35933	48979	1.84%	0.195%
47	16.721	2331	2335	2339	rVV	72819	104180	3.92%	0.415%
48	16.874	2357	2361	2367	rVB4	39539	48921	1.84%	0.195%
49	17.139	2401	2406	2411	rVV2	601825	890066	33.51%	3.545%
50	17.180	2411	2413	2418	rVV	100406	128530	4.84%	0.512%
51	17.239	2418	2423	2426	rVV2	141289	208798	7.86%	0.832%
52	17.274	2426	2429	2434	rVV	148838	209772	7.90%	0.836%
53	17.339	2434	2440	2444	rVB4	33156	65327	2.46%	0.260%
54	17.545	2471	2475	2481	rBV5	25260	44795	1.69%	0.178%
55	17.615	2482	2487	2491	rVV2	61239	96333	3.63%	0.384%
56	17.657	2491	2494	2500	rVB	68006	91990	3.46%	0.366%
57	17.833	2519	2524	2534	rVB2	104388	188728	7.10%	0.752%
58	17.951	2538	2544	2547	rBV2	43942	64161	2.42%	0.256%
59	18.015	2551	2555	2559	rBV2	96543	142804	5.38%	0.569%
60	18.062	2559	2563	2569	rVB	89329	135518	5.10%	0.540%
61	18.145	2573	2577	2582	rBV	93664	134818	5.08%	0.537%
62	18.215	2582	2589	2593	rBV2	234458	433918	16.33%	1.728%
63	18.327	2605	2608	2613	rVB2	35985	52321	1.97%	0.208%
64	18.374	2613	2616	2622	rBV6	24497	45276	1.70%	0.180%
65	18.474	2625	2633	2634	rVV4	30768	57901	2.18%	0.231%
66	18.521	2635	2641	2646	rVB2	128725	223784	8.42%	0.891%
67	18.574	2646	2650	2660	rBV6	47987	105789	3.98%	0.421%
68	18.768	2679	2683	2688	rVV4	48919	95711	3.60%	0.381%
69	18.815	2688	2691	2694	rVV2	46567	60040	2.26%	0.239%
70	18.857	2694	2698	2702	rVB	60914	70783	2.66%	0.282%
71	18.939	2707	2712	2716	rBV2	210983	365553	13.76%	1.456%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020427.D
Acq On : 20 May 2019 12:18
Operator : JU/SJ
Sample : K2633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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\SOM-EPA-BM051619MA.M
Title : SVOA CALIBRATION

72	19.004	2719	2723	2726	rVV2	130484	224336	8.44%	0.894%
73	19.033	2726	2728	2732	rVB	93061	95949	3.61%	0.382%
74	19.092	2732	2738	2750	rBV2	271202	553873	20.85%	2.206%
75	19.204	2752	2757	2763	rVB	673015	914438	34.42%	3.642%
76	19.268	2763	2768	2771	rBV	97914	126916	4.78%	0.506%
77	19.304	2771	2774	2779	rVB2	59620	76826	2.89%	0.306%
78	19.357	2779	2783	2789	rBV	230331	326899	12.31%	1.302%
79	19.474	2799	2803	2810	rVB	166119	234168	8.81%	0.933%
80	19.574	2810	2820	2828	rBV	1702146	2656495	100.00%	10.581%
81	19.645	2828	2832	2837	rVB2	82677	118491	4.46%	0.472%
82	19.698	2838	2841	2844	rBV4	29721	51054	1.92%	0.203%
83	19.804	2856	2859	2863	rVB2	62195	70841	2.67%	0.282%
84	19.898	2870	2875	2882	rVB2	199487	435556	16.40%	1.735%
85	20.068	2893	2904	2910	rVB	328573	917113	34.52%	3.653%
86	20.168	2917	2921	2926	rBV	255388	352628	13.27%	1.405%
87	20.227	2926	2931	2935	rBV	331158	446062	16.79%	1.777%
88	20.368	2951	2955	2959	rBV	360696	443523	16.70%	1.767%
89	20.415	2959	2963	2970	rVB	340448	463027	17.43%	1.844%
90	20.951	3051	3054	3057	rBV2	91343	115202	4.34%	0.459%
91	21.021	3063	3066	3070	rBV	169805	197731	7.44%	0.788%
92	21.062	3070	3073	3076	rBV	108097	120265	4.53%	0.479%
93	21.339	3113	3120	3124	rBV3	1193314	2438239	91.78%	9.712%
94	21.380	3124	3127	3132	rVB	554828	739360	27.83%	2.945%
95	21.550	3154	3156	3159	rVB	155219	146613	5.52%	0.584%
96	21.898	3212	3215	3220	rVB	239067	305756	11.51%	1.218%
97	22.939	3387	3392	3403	rVB	383958	1200486	45.19%	4.782%
98	23.427	3472	3475	3479	rVB	196604	266893	10.05%	1.063%
99	23.527	3487	3492	3499	rVB	616783	1064172	40.06%	4.239%
100	23.621	3504	3508	3514	rVB	503547	849844	31.99%	3.385%

Sum of corrected areas: 25106472

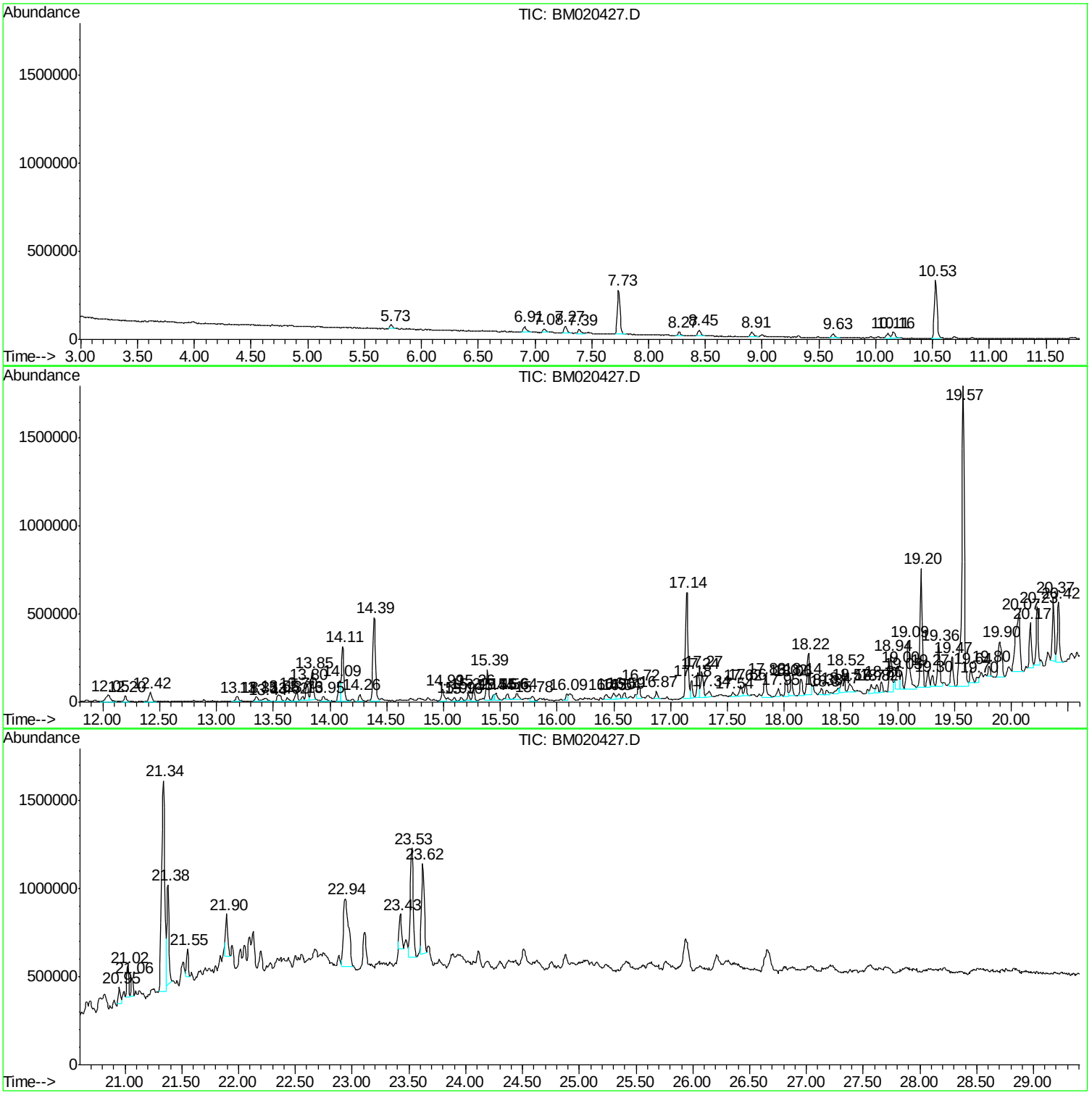
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020427.D
Acq On : 20 May 2019 12:18
Operator : JU/SJ
Sample : K2633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020427.D
Acq On : 20 May 2019 12:18
Operator : JU/SJ
Sample : K2633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

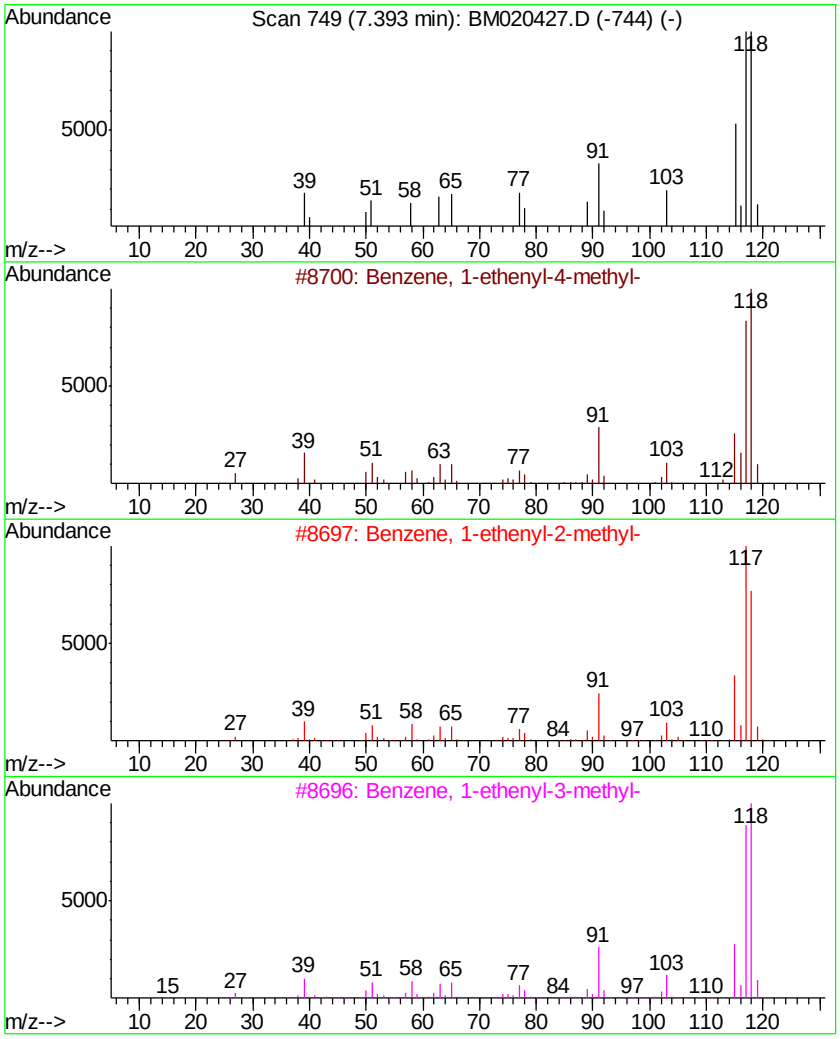
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

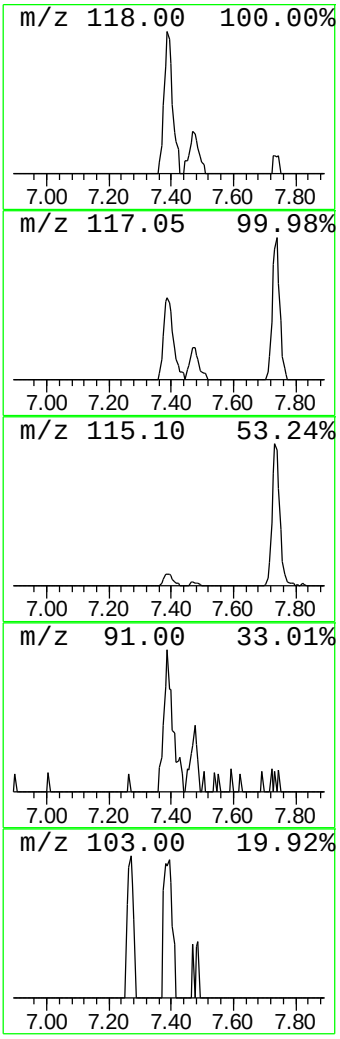
****

Peak Number 1 Benzene, 1-ethenyl-4-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.39	2.19 ng/ul	45744	1,4-Dichlorobenzene-d4	7.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	81
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	76
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	76
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	76
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020427.D
Acq On : 20 May 2019 12:18
Operator : JU/SJ
Sample : K2633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

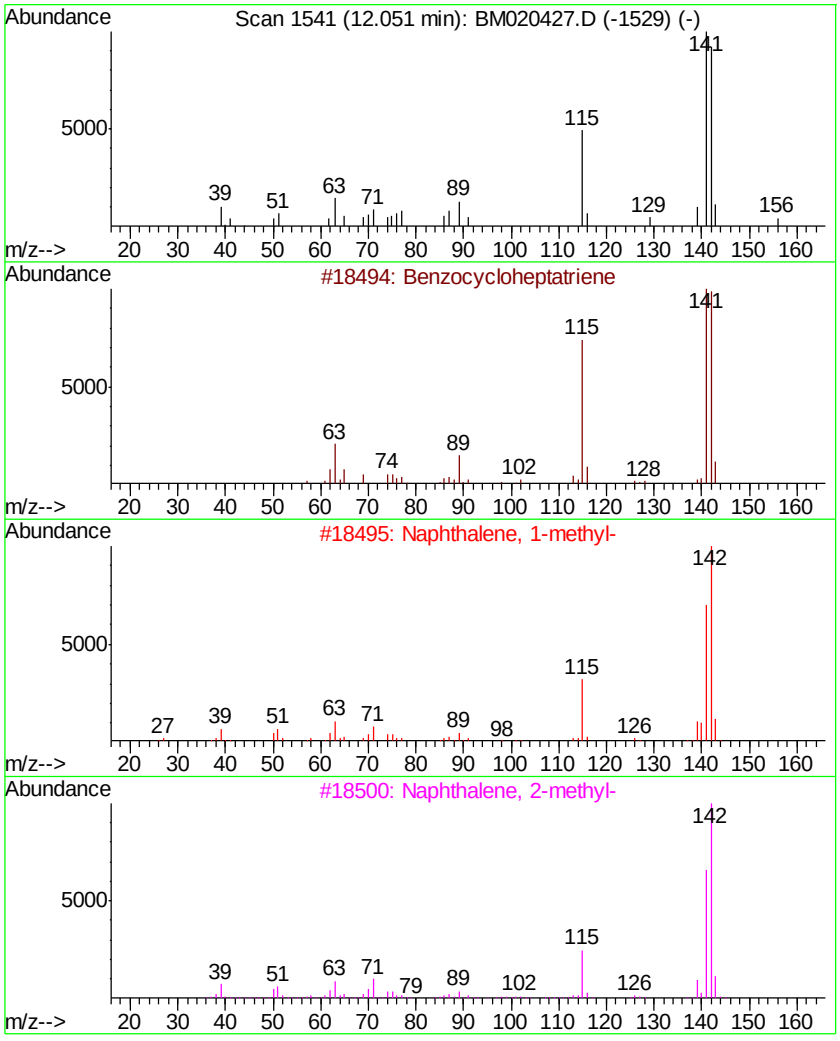
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

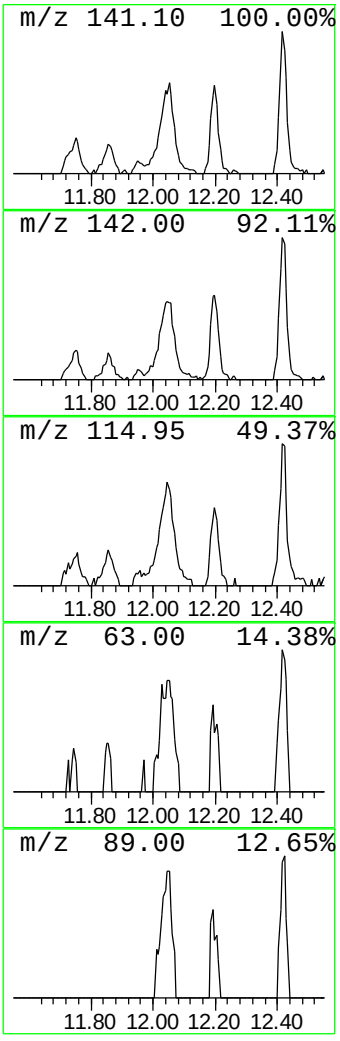
****

Peak Number 2 Benzocycloheptatriene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	4.36 ng/ul	121179	Naphthalene-d8	10.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	94
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020427.D
Acq On : 20 May 2019 12:18
Operator : JU/SJ
Sample : K2633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

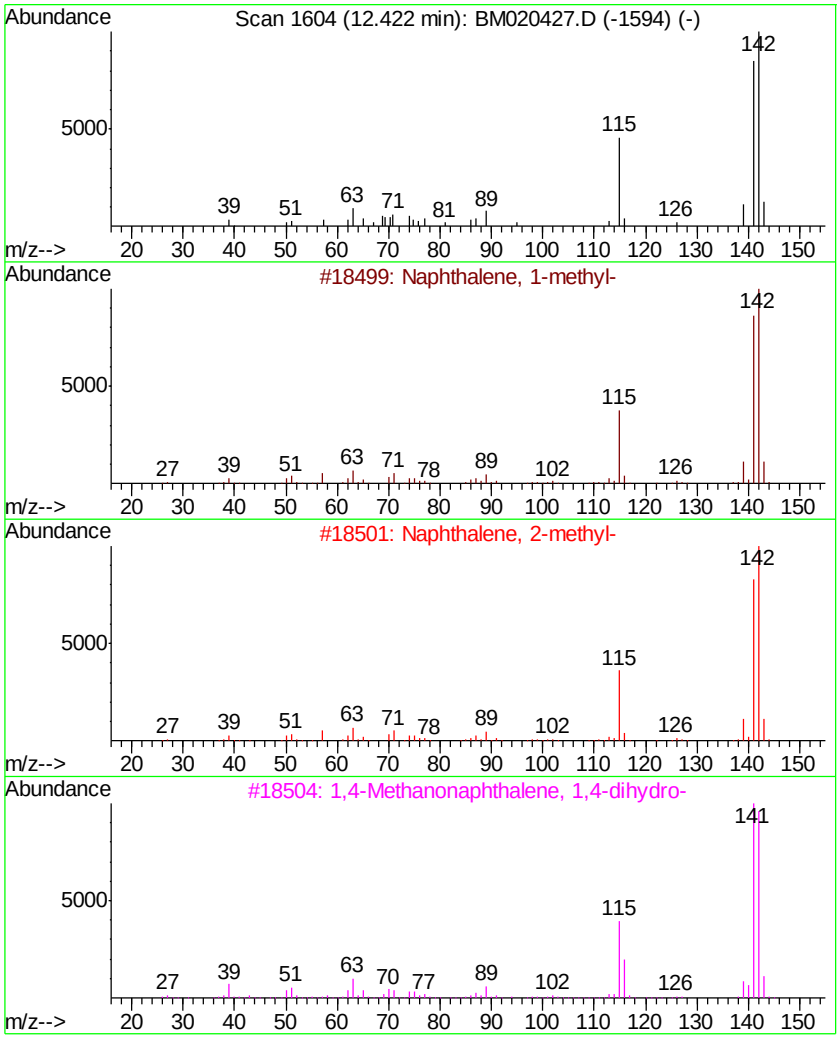
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

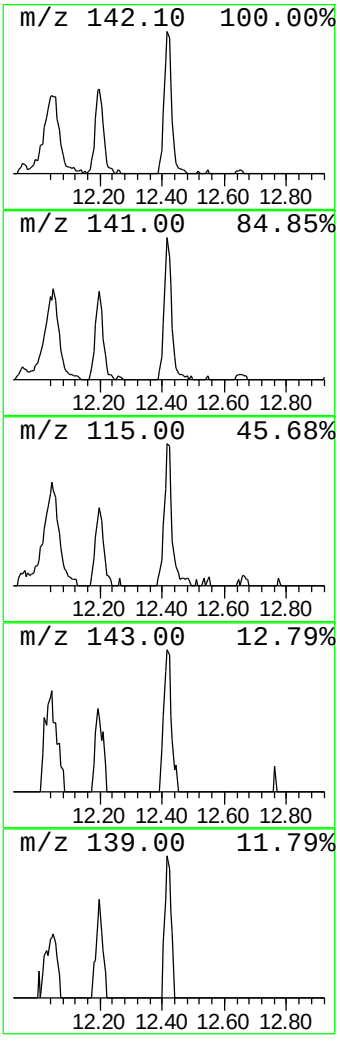
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	3.40 ng/ul	94387	Naphthalene-d8	10.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020427.D
Acq On : 20 May 2019 12:18
Operator : JU/SJ
Sample : K2633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

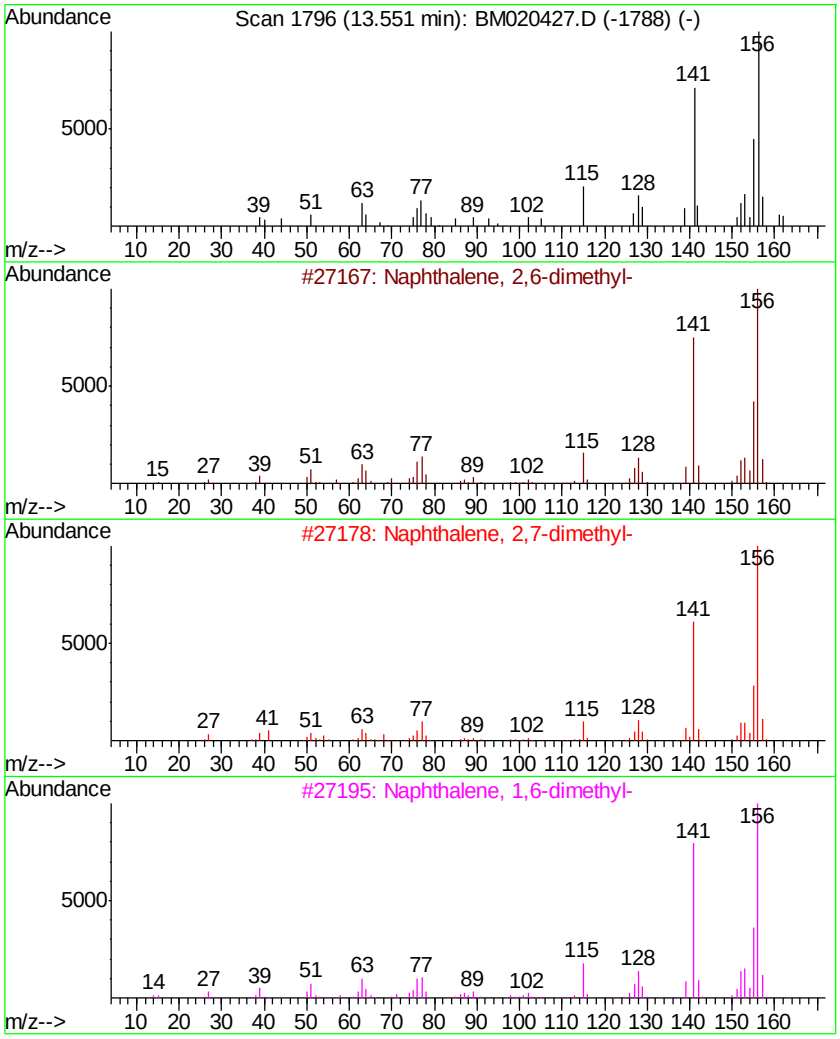
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

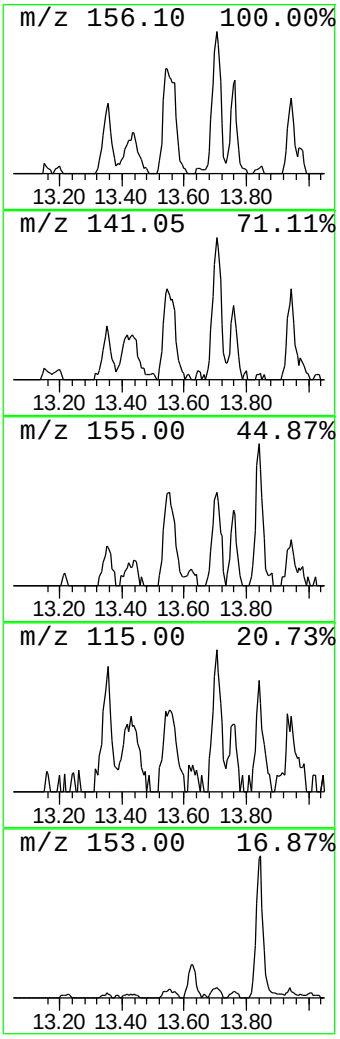
****

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	2.25 ng/ul	86197	Acenaphthene-d10	14.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020427.D
Acq On : 20 May 2019 12:18
Operator : JU/SJ
Sample : K2633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

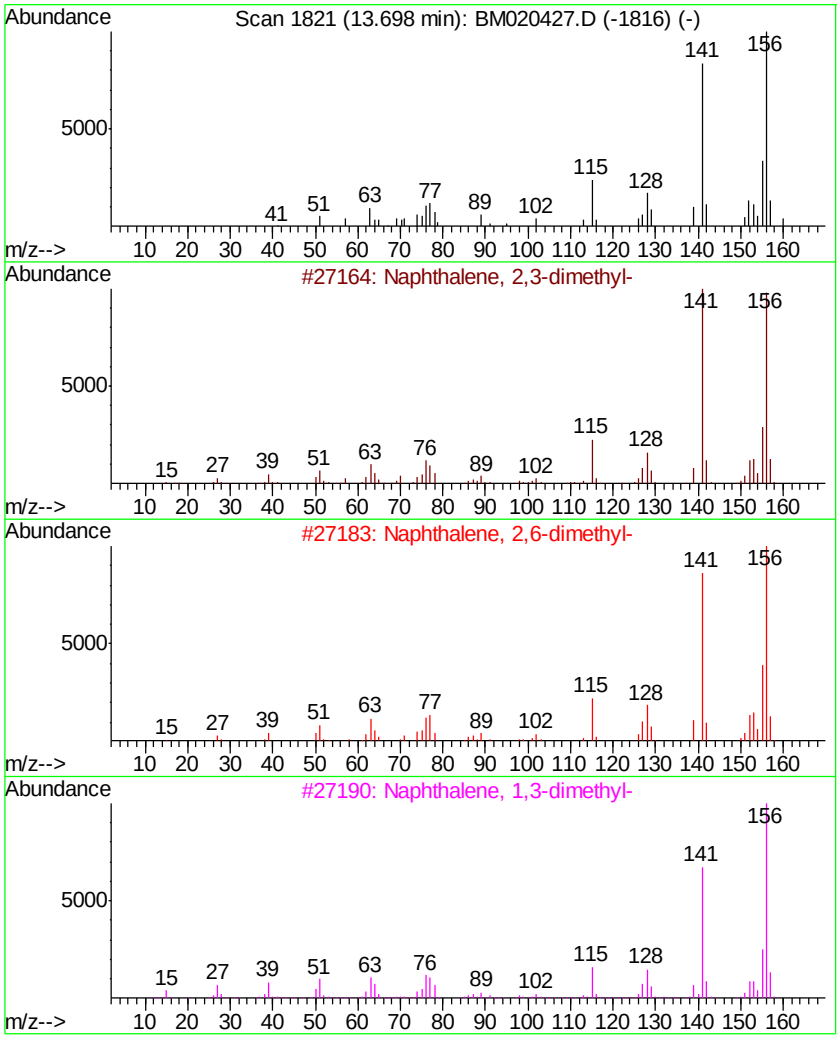
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

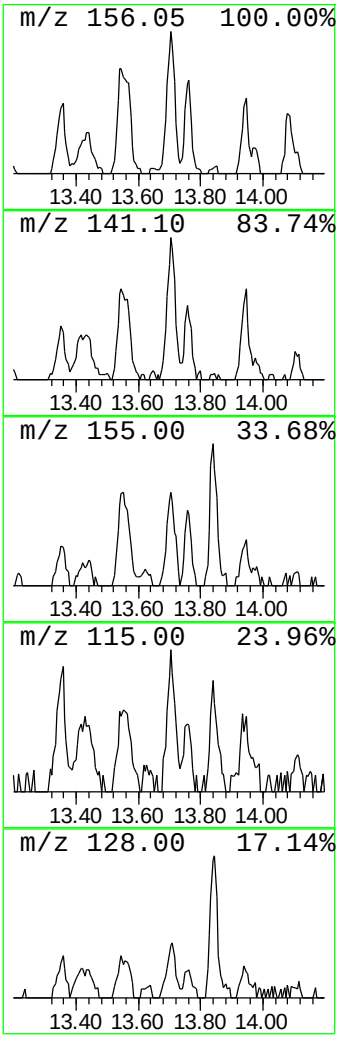
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	2.21 ng/ul	84322	Acenaphthene-d10	14.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





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Acq On : 20 May 2019 12:18
Operator : JU/SJ
Sample : K2633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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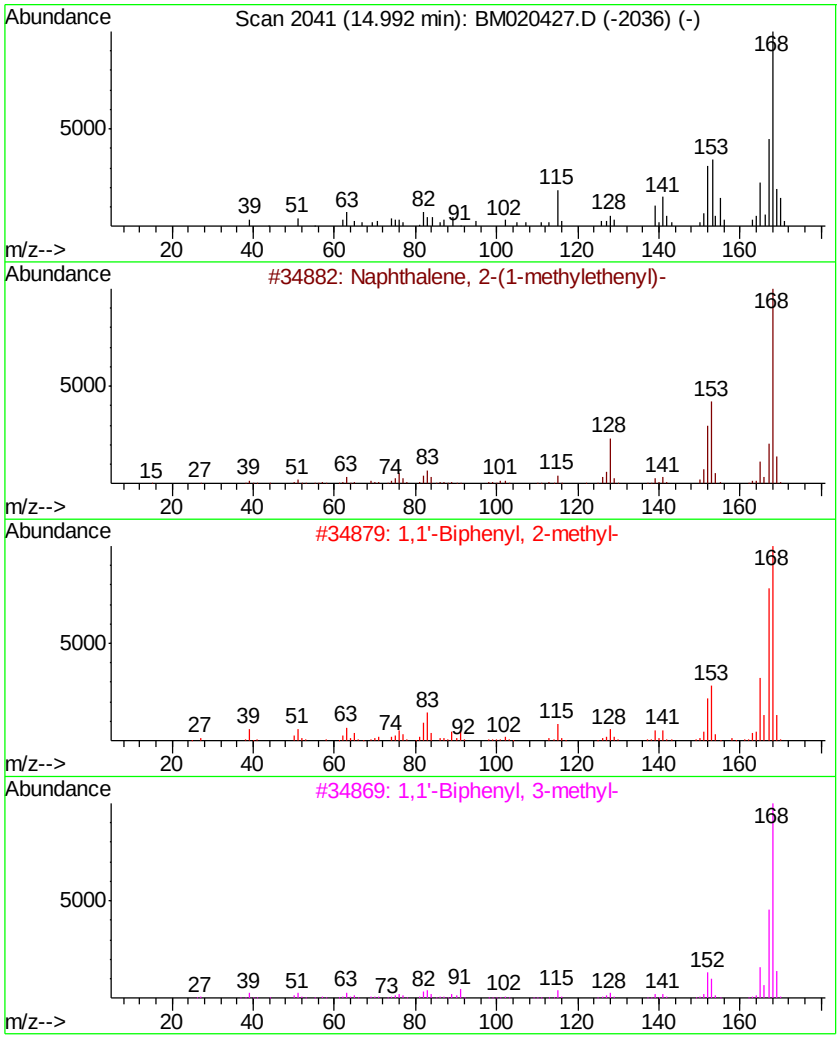
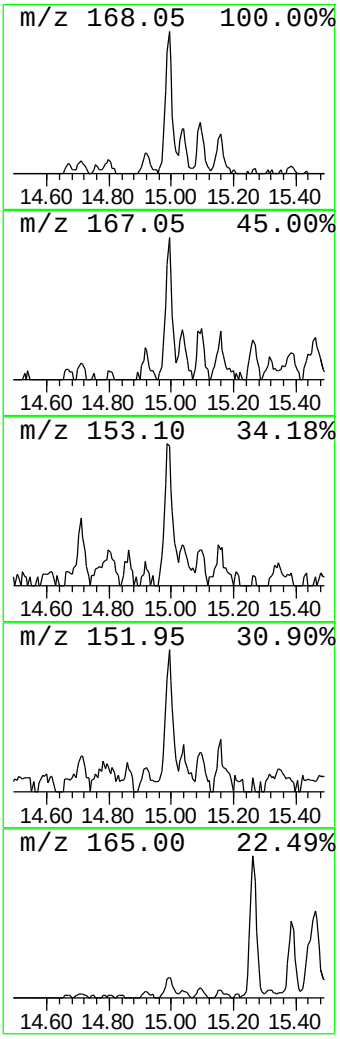
Peak Number 6 Naphthalene, 2-(1-methyleth... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	2.82 ng/ul	107913	Acenaphthene-d10	14.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	62
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	53
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	53
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	49
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	49





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Sample : K2633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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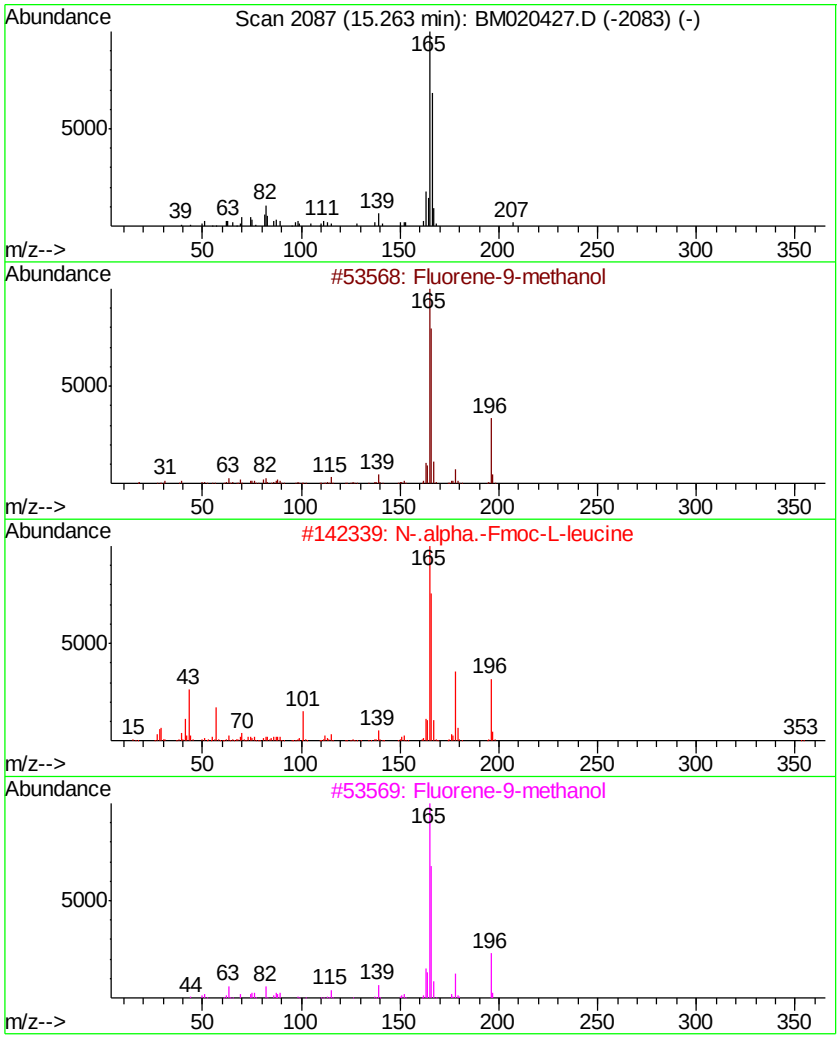
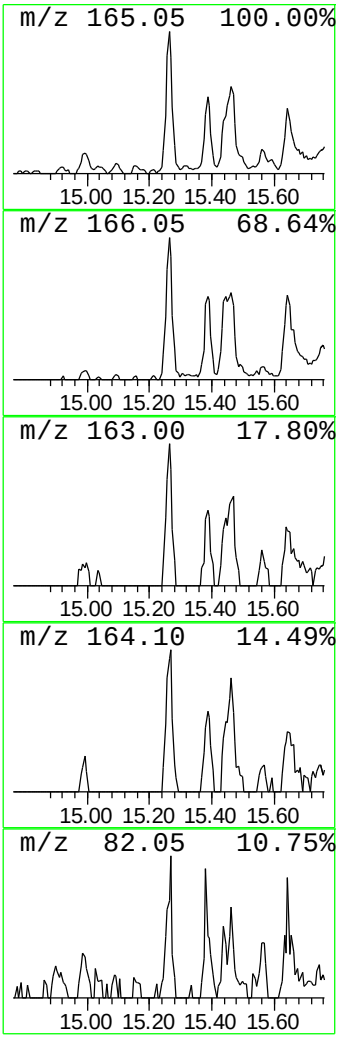
Peak Number 7 Fluorene-9-methanol Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	2.21 ng/ul	84383	Acenaphthene-d10	14.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene-9-methanol	196	C14H12O	024324-17-2	78
2	N-.alpha.-Fmoc-L-leucine	353	C21H23NO4	035661-60-0	78
3	Fluorene-9-methanol	196	C14H12O	024324-17-2	78
4	1H-Phenalene	166	C13H10	000203-80-5	74
5	Benzaldehyde, 2,4-dihydroxy-3,6-...	166	C9H10O3	034883-14-2	72





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ClientSampleId : GAJA0DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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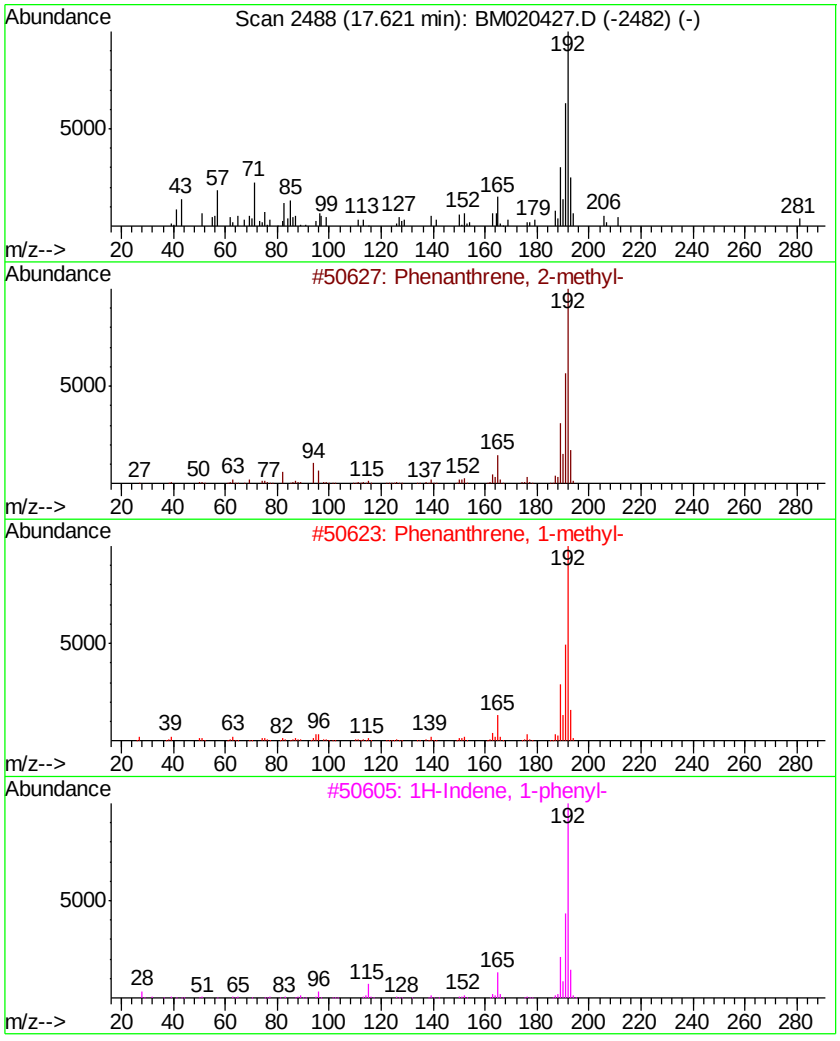
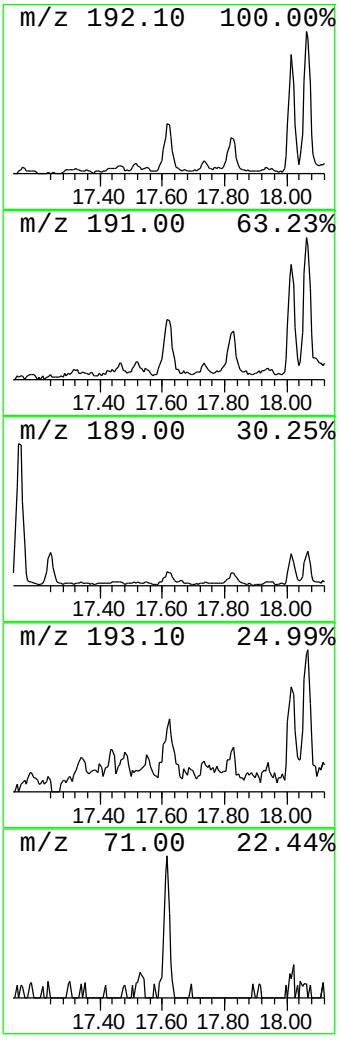
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.62	2.16 ng/ul	96333	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	70
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	70
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70





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Misc :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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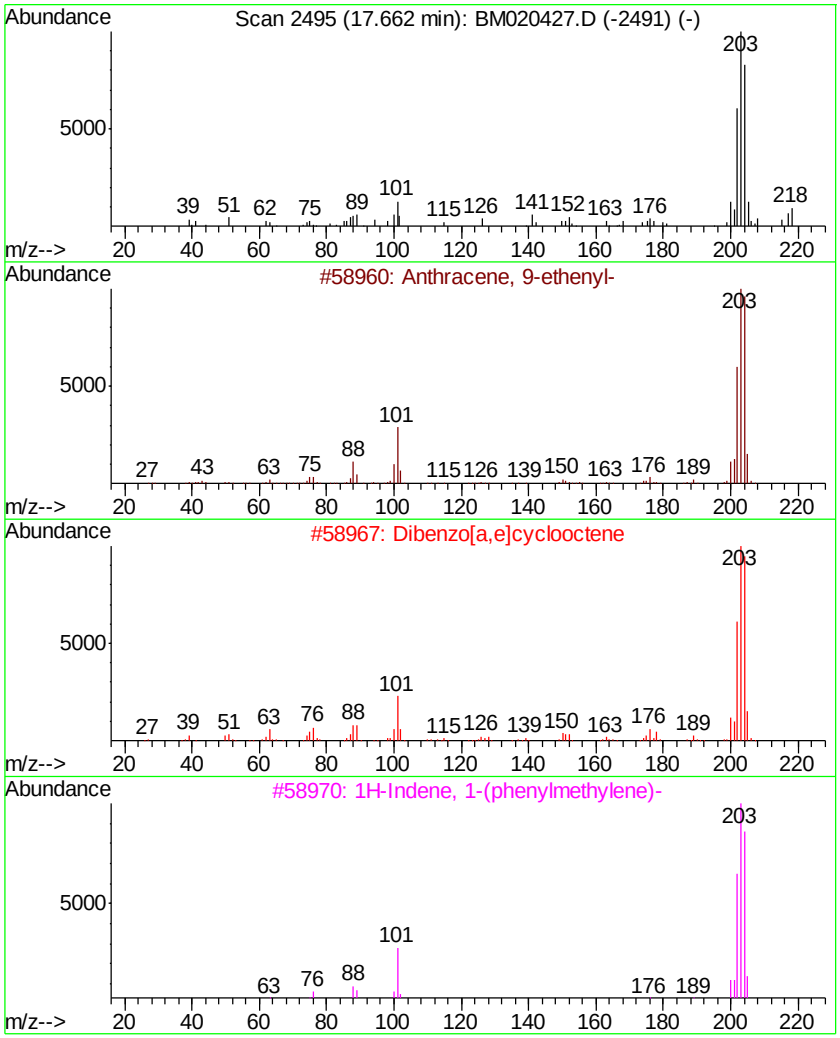
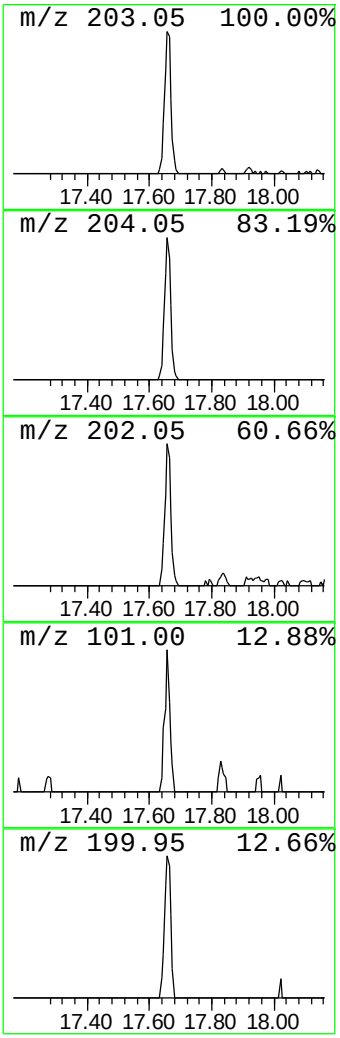
Peak Number 10 Anthracene, 9-ethenyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	2.07 ng/ul	91990	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	76
3	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
4	Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	76
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	64





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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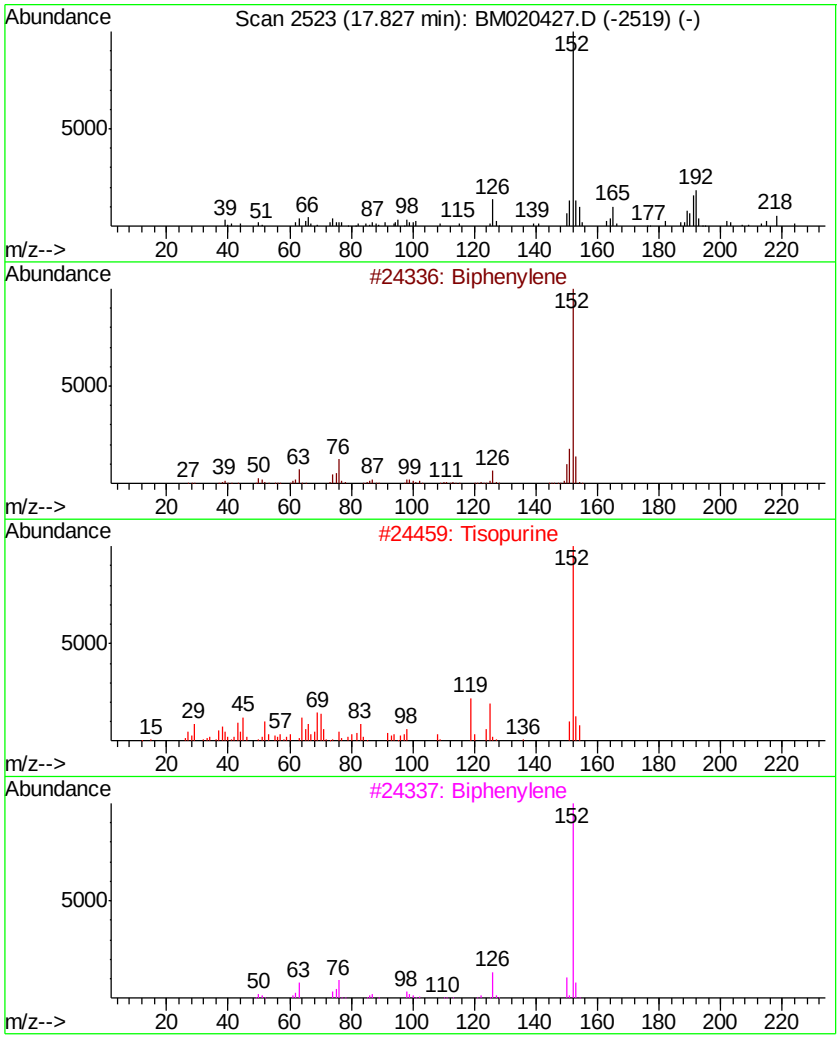
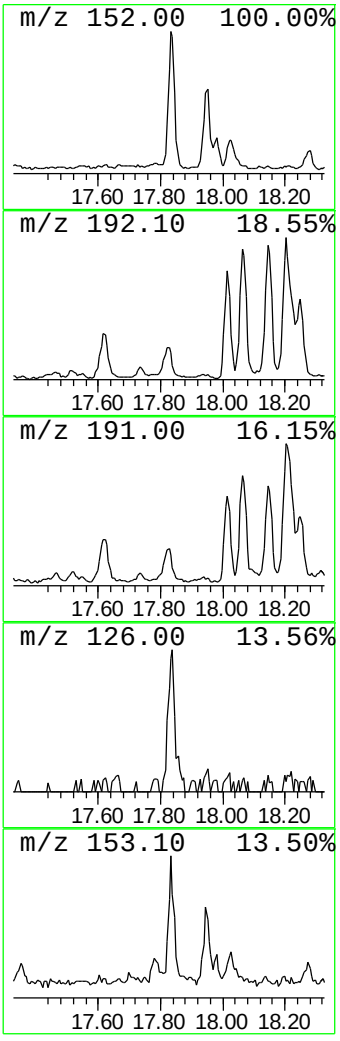
Peak Number 11 Biphenylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	4.24 ng/ul	188728	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	62
2	Tisopurine	152	C5H4N4S	005334-23-6	53
3	Biphenylene	152	C12H8	000259-79-0	53
4	Acenaphthylene	152	C12H8	000208-96-8	52
5	Acenaphthylene	152	C12H8	000208-96-8	50





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ALS Vial : 6 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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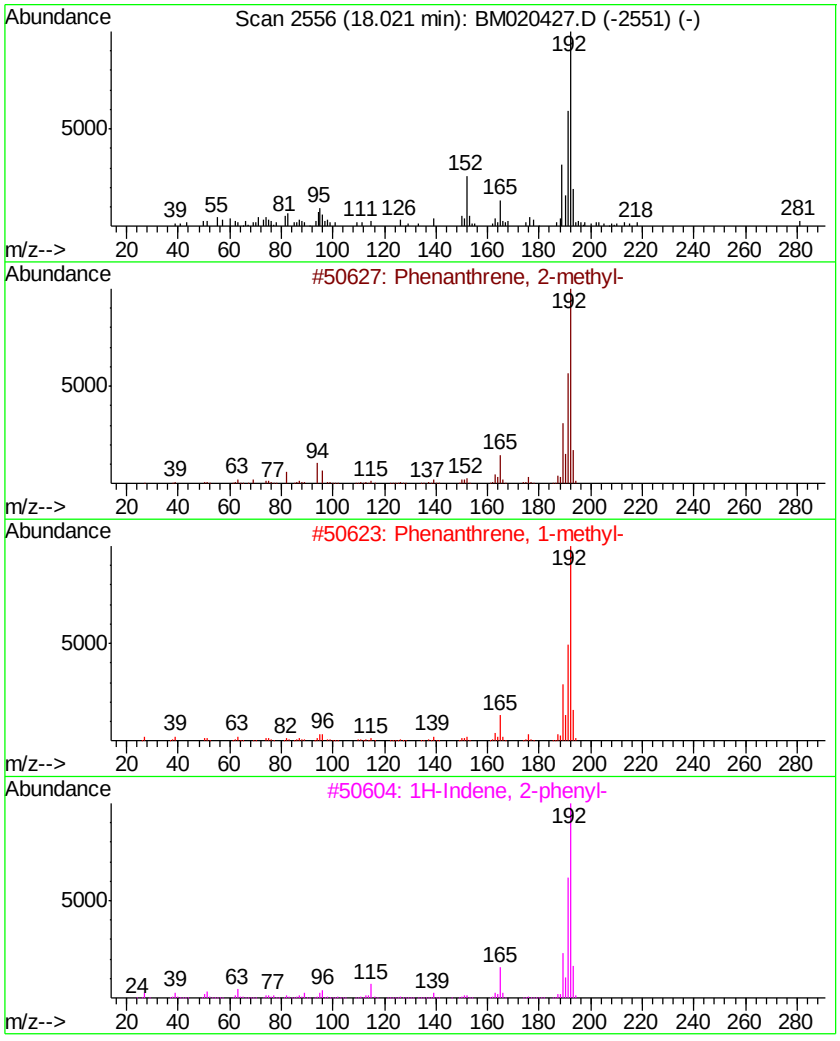
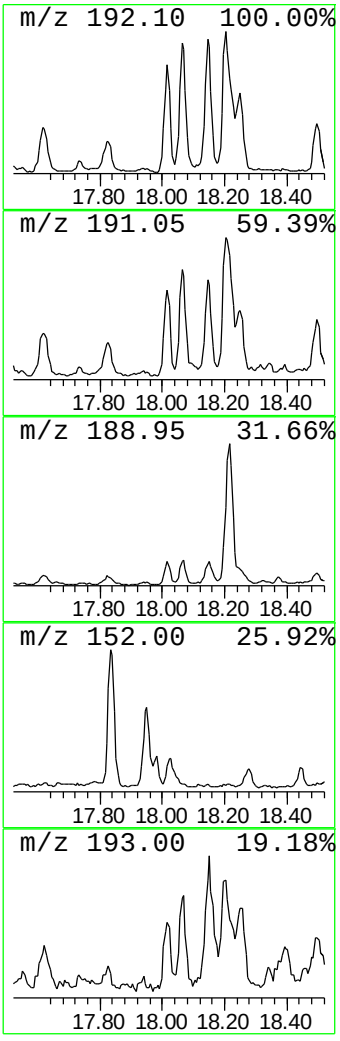
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	3.21 ng/ul	142804	Phenanthrene-d10	17.14

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	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





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Operator : JU/SJ
Sample : K2633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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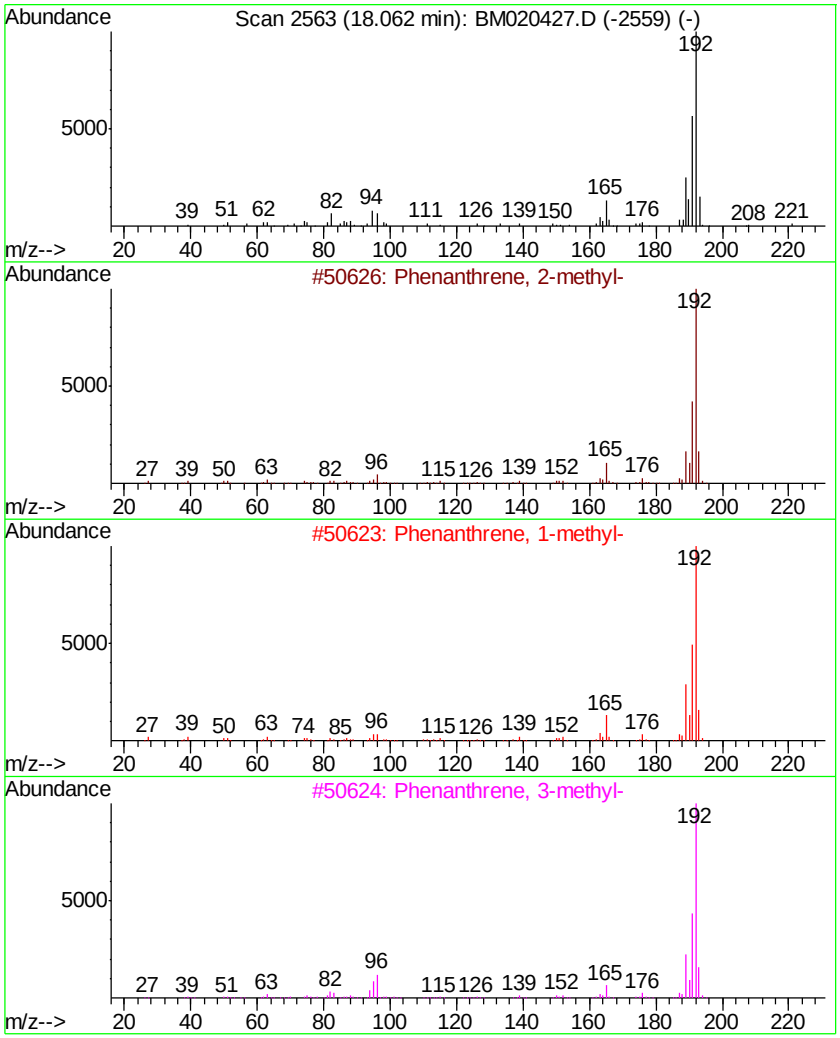
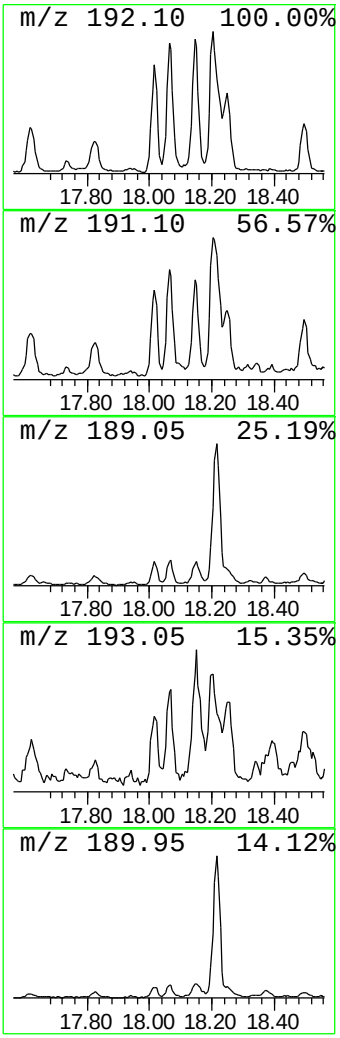
Peak Number 13 Phenanthrene, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	3.05 ng/ul	135518	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	90





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Misc :
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Instrument : BNA_M
ClientSampleId : GAJA0DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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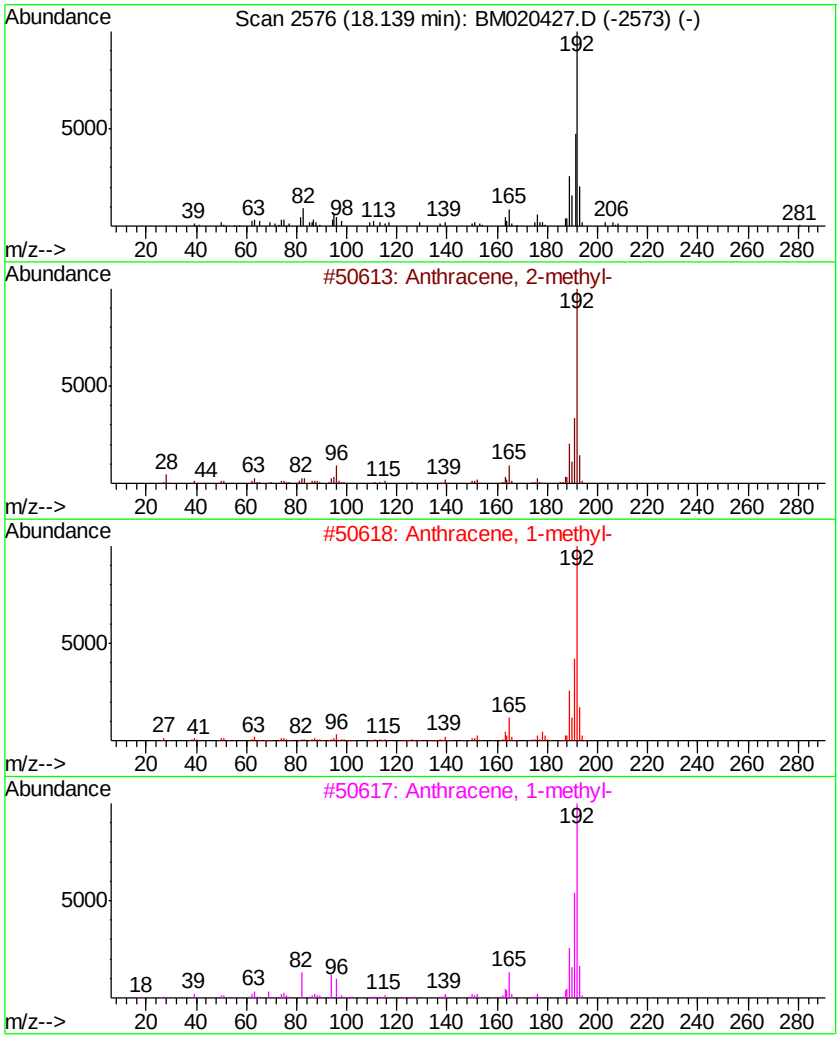
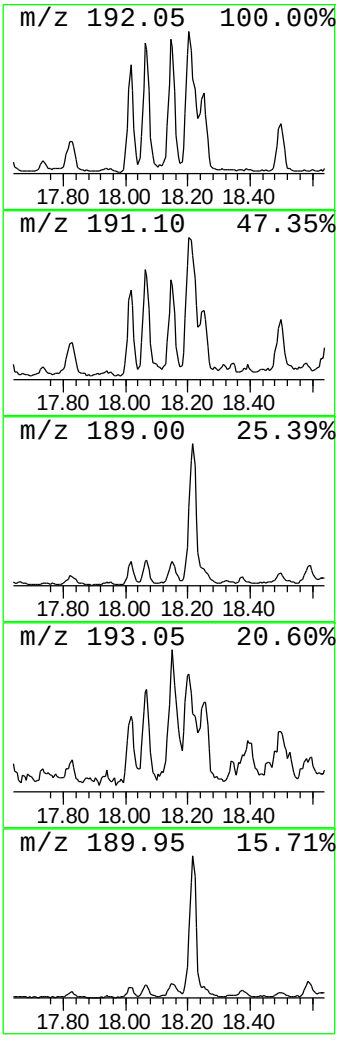
Peak Number 14 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	3.03 ng/ul	134818	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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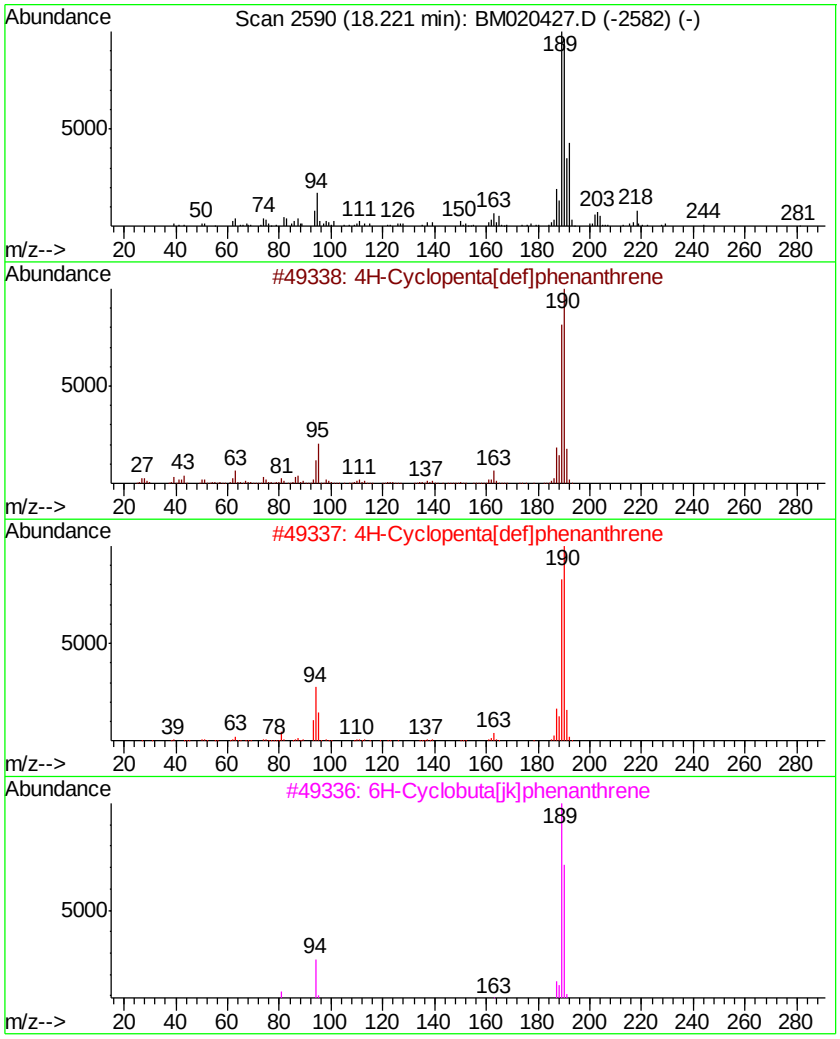
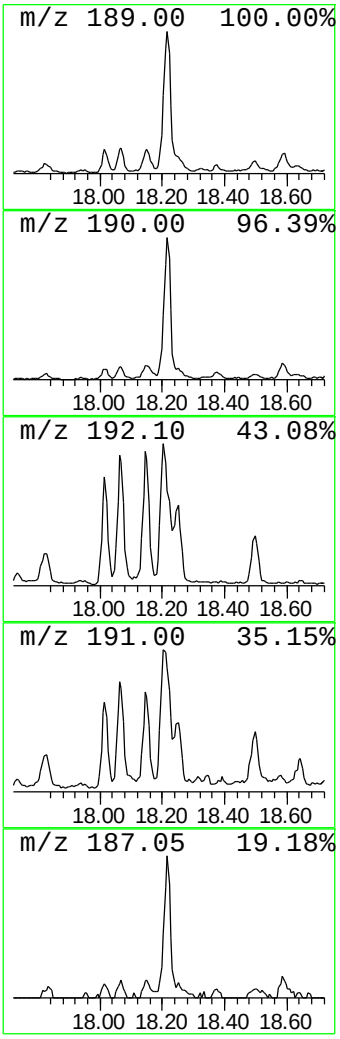
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	9.75 ng/ul	433918	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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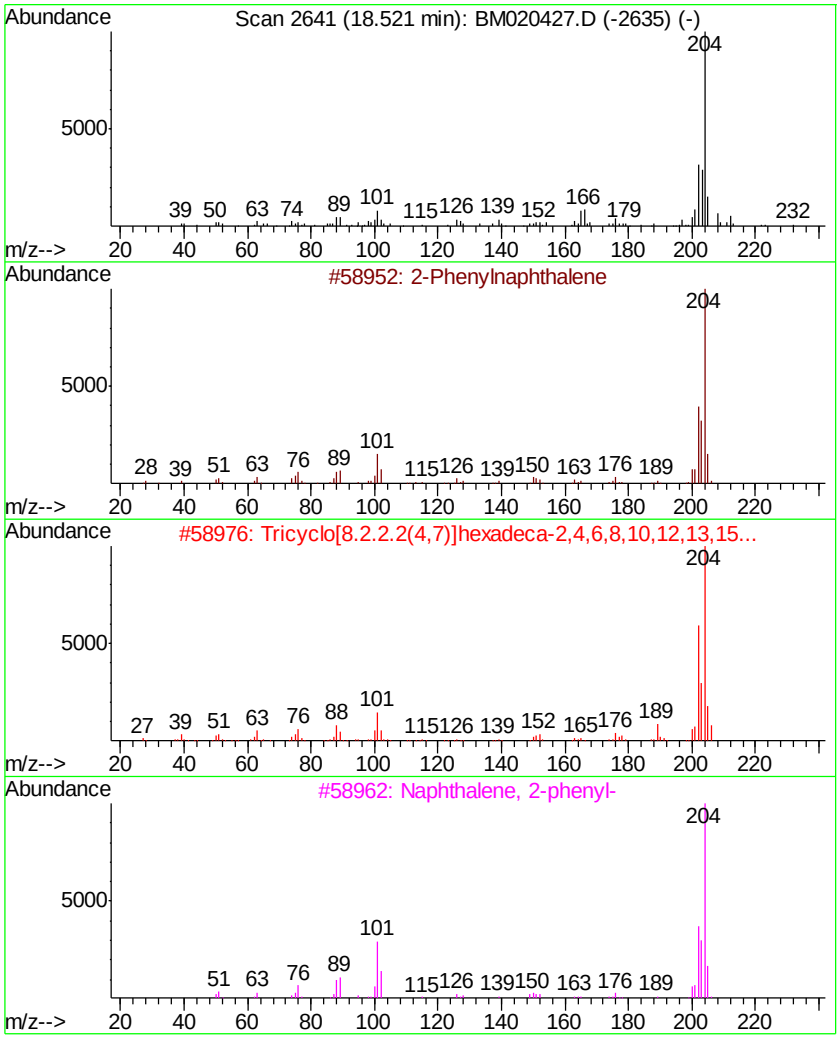
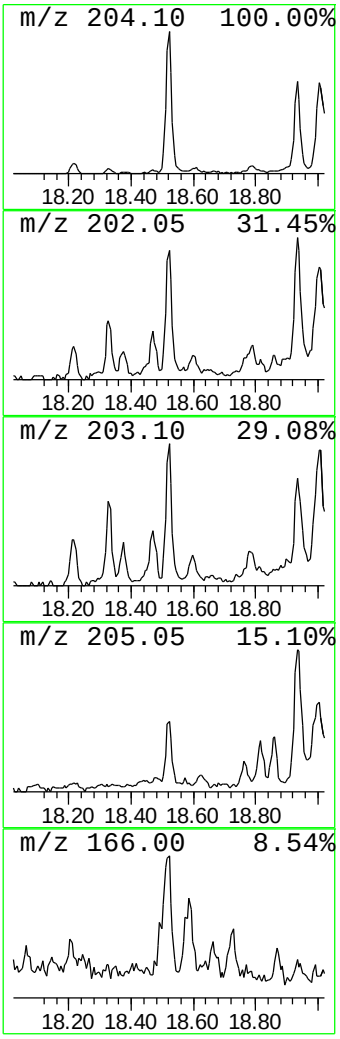
Peak Number 16 2-Phenylnaphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	5.03 ng/ul	223784	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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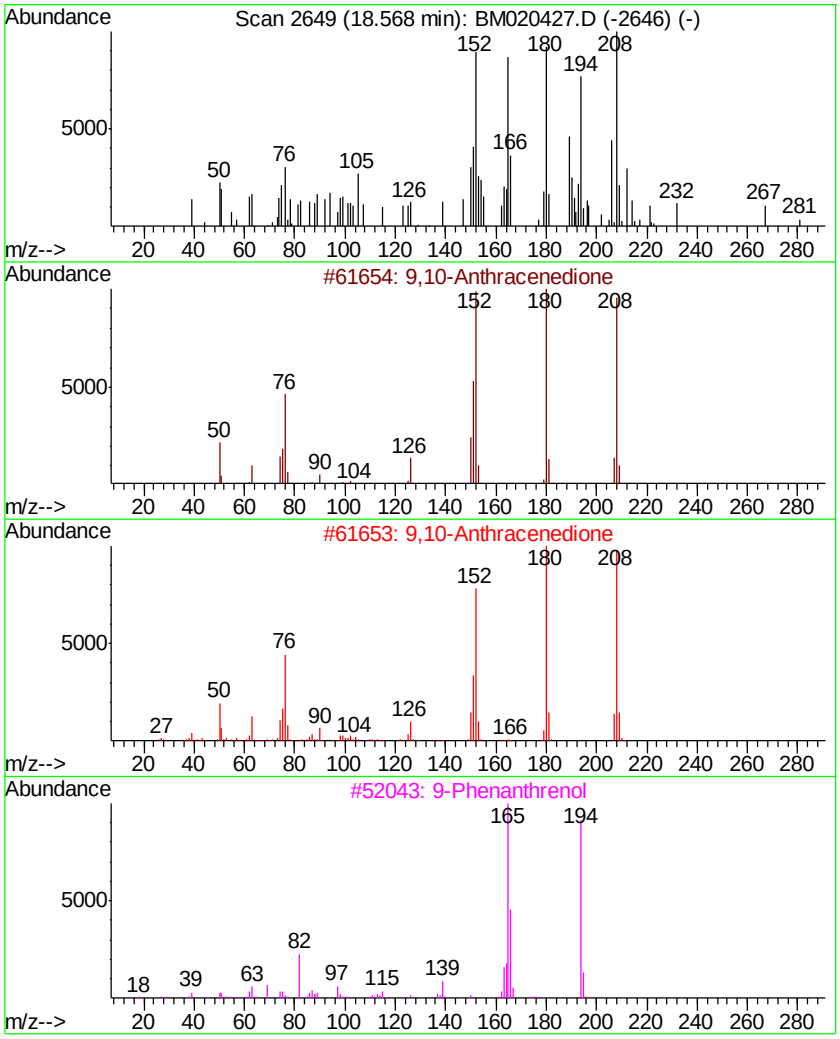
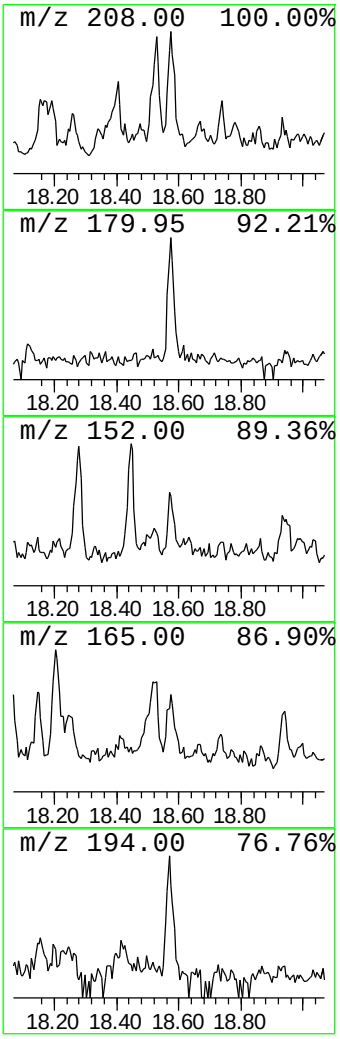
Peak Number 17 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	2.38 ng/ul	105789	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	38
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	38
3	9-Phenanthrenol	194	C14H10O	000484-17-3	35
4	2,9b-Dihydrofurano[4,3,2-jk]fluo...	194	C14H10O	204396-15-6	35
5	2-Fluorenecarboxaldehyde	194	C14H10O	030084-90-3	35





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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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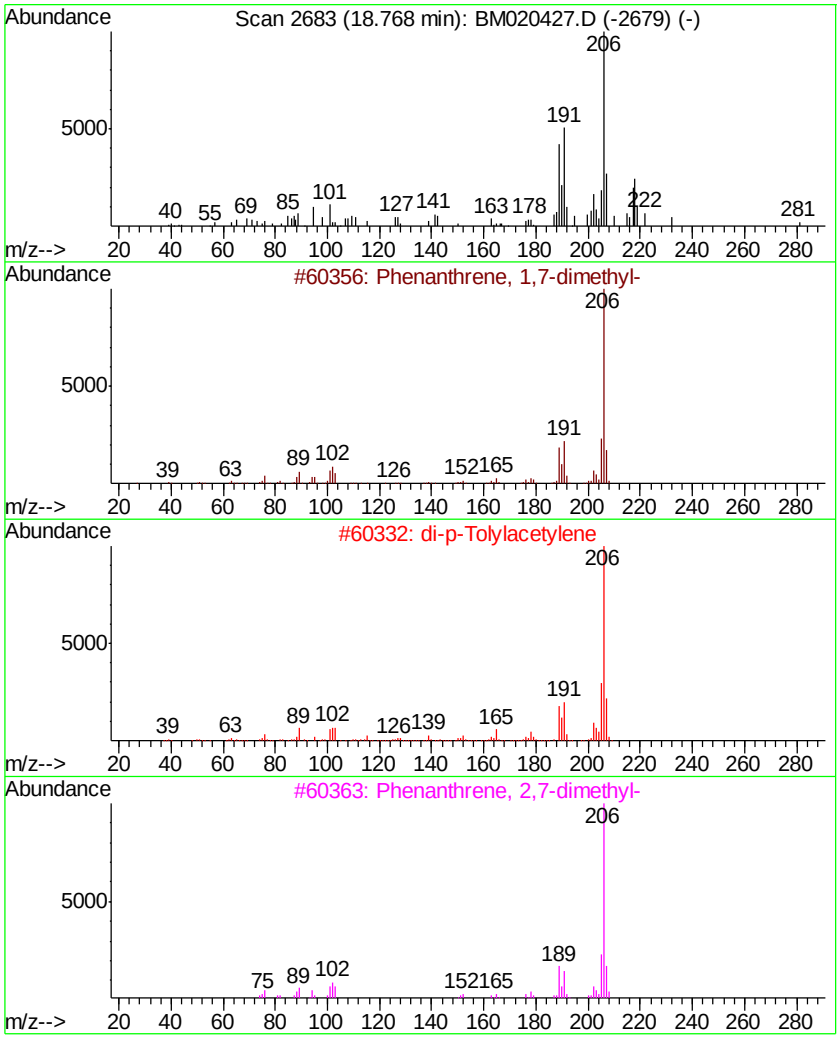
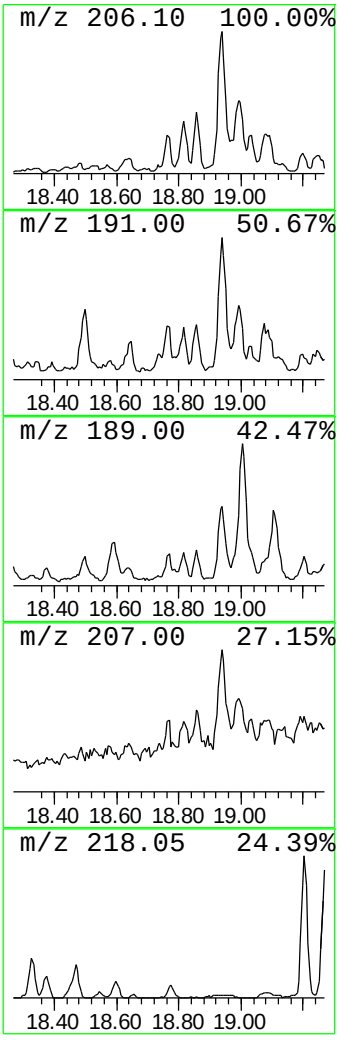
Peak Number 18 Phenanthrene, 1,7-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	2.15 ng/ul	95711	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	76
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	74
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	64





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Data File : BM020427.D
Acq On : 20 May 2019 12:18
Operator : JU/SJ
Sample : K2633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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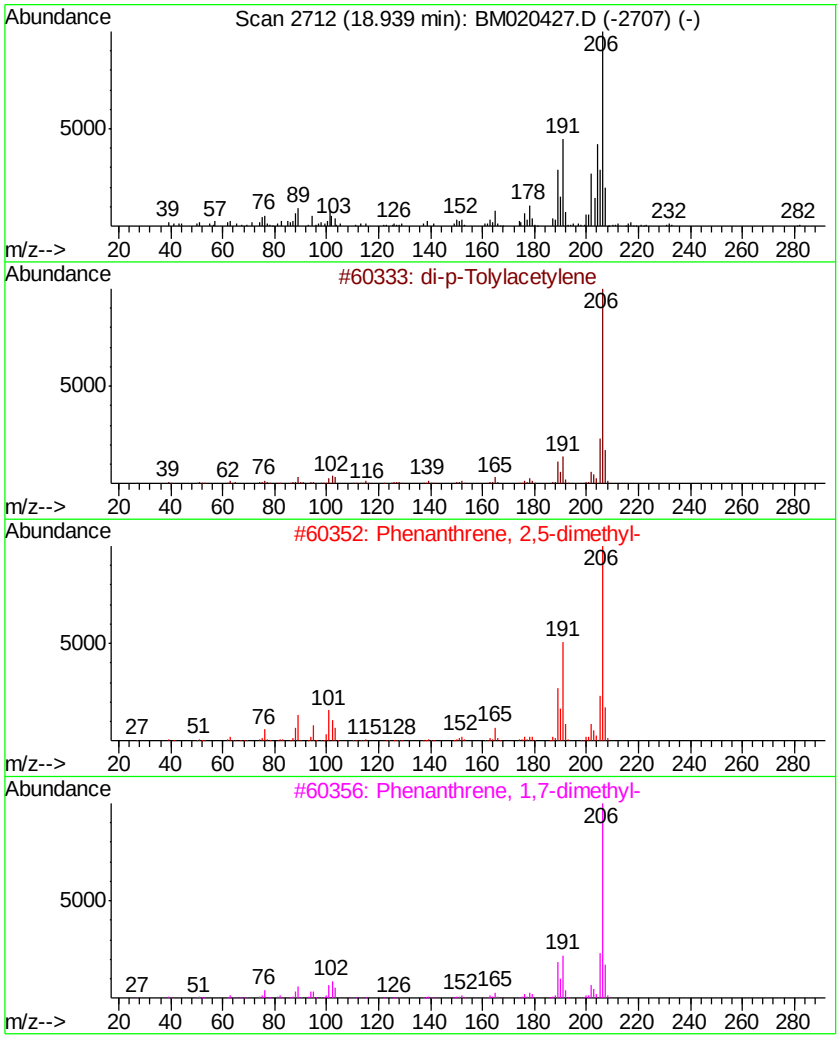
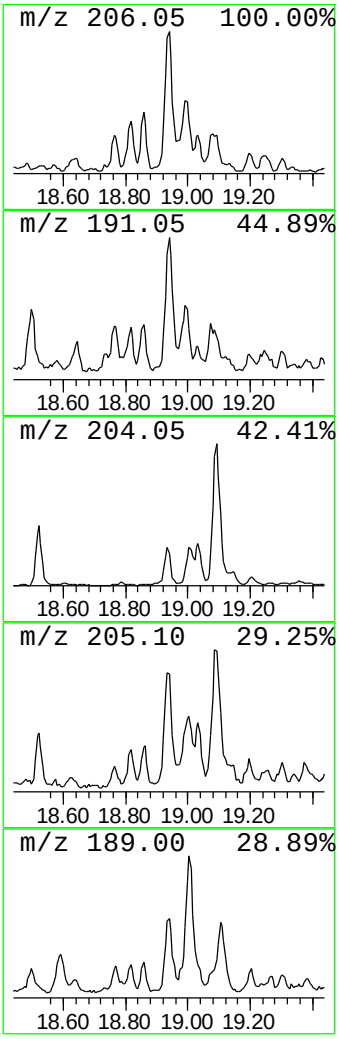
Peak Number 19 di-p-Tolylacetylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	8.21 ng/ul	365553	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70





Library Search Compound Report

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Operator : JU/SJ
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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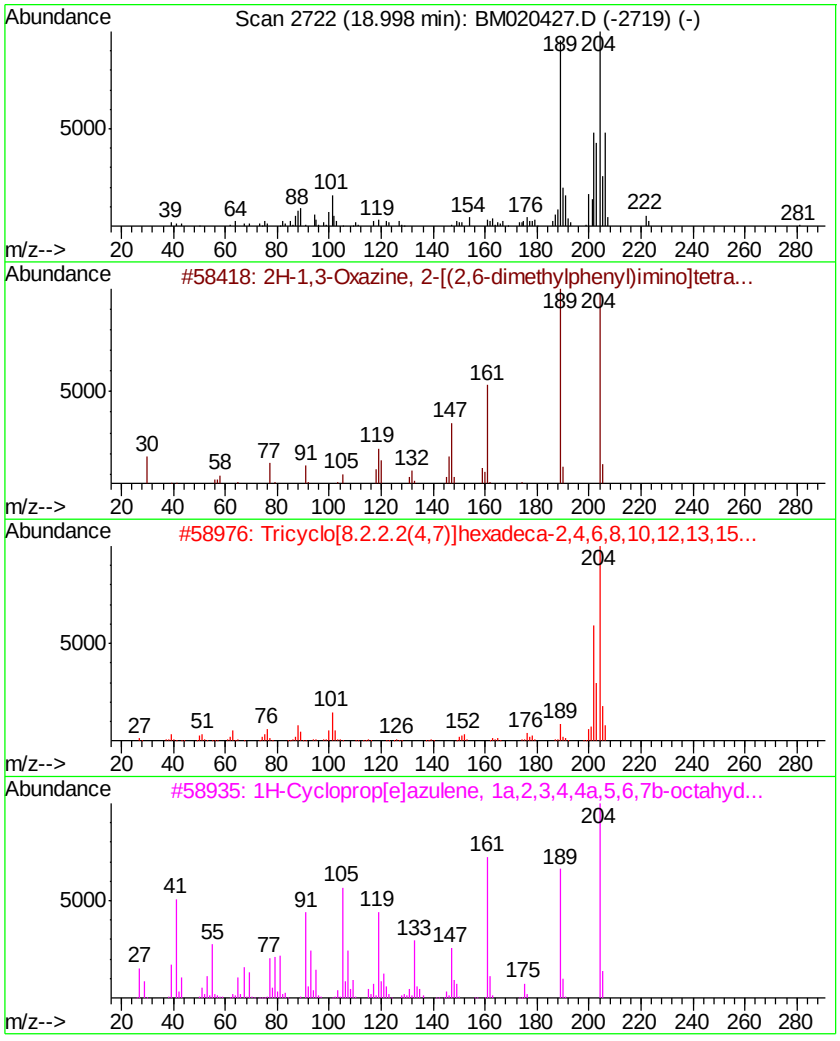
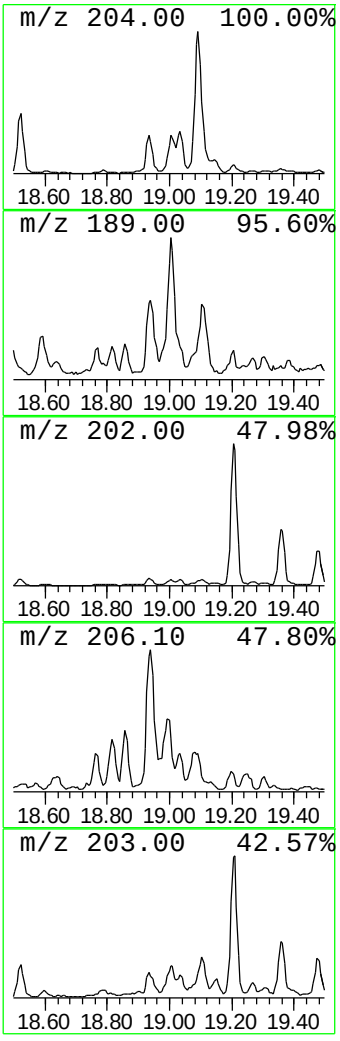
Peak Number 20 2H-1,3-Oxazine, 2-[(2,6-dim... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	5.04 ng/ul	224336	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-1,3-Oxazine, 2-[(2,6-dimethyl...	204	C12H16N2O	054708-09-7	52
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
3	1H-Cycloprop[e]azulene, 1a,2,3,4...	204	C15H24	000489-40-7	50
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	47





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Acq On : 20 May 2019 12:18
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Sample : K2633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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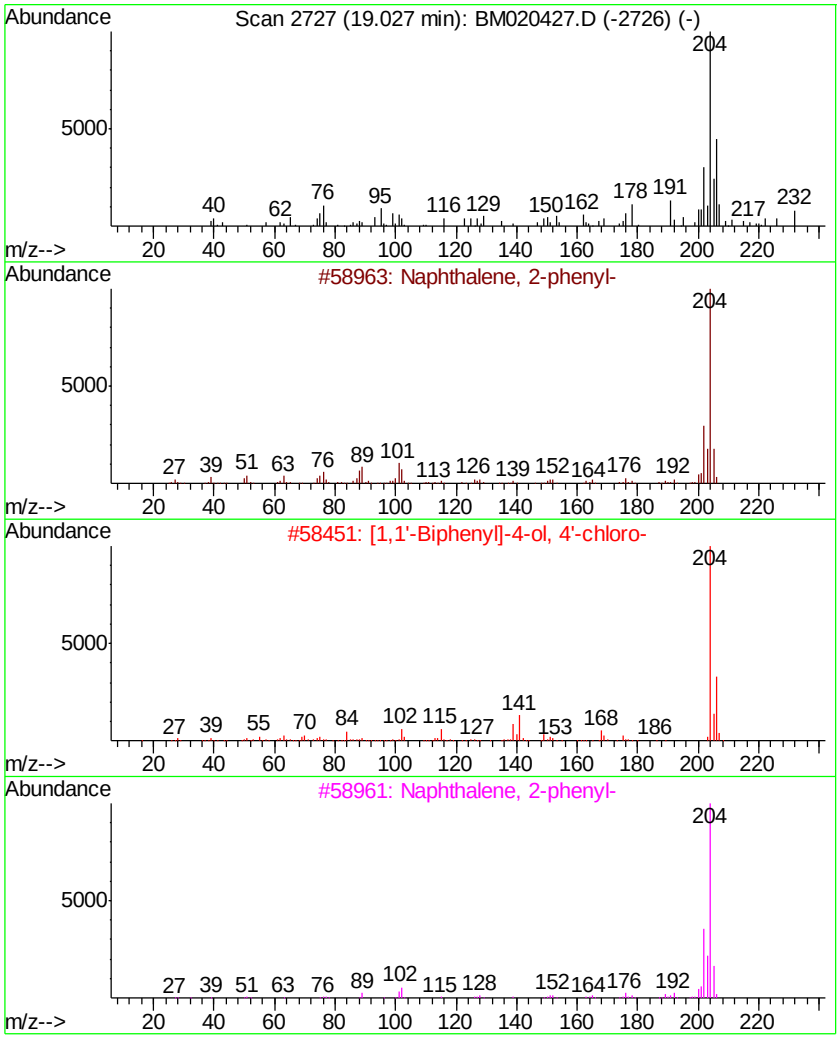
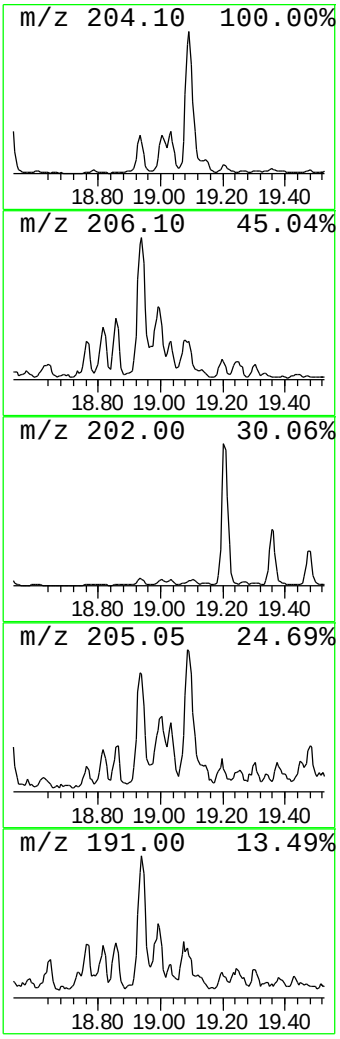
Peak Number 21 unknown-02 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	2.16 ng/ul	95949	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	42
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	41





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Acq On : 20 May 2019 12:18
Operator : JU/SJ
Sample : K2633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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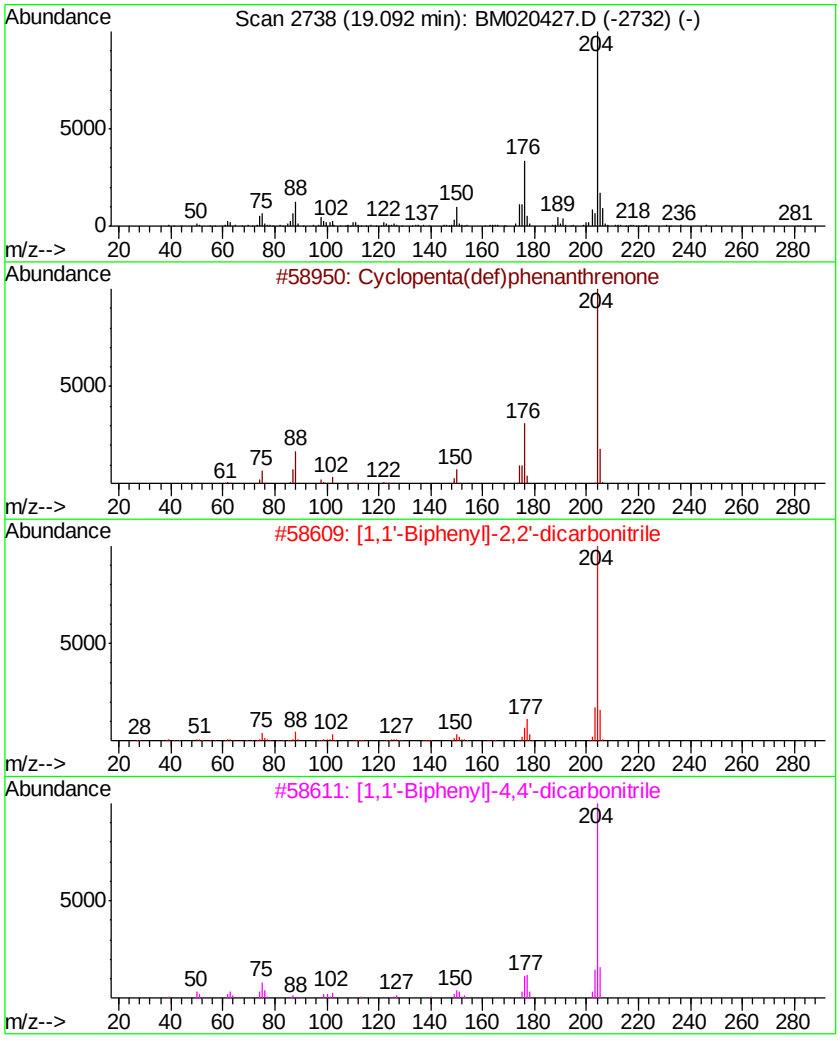
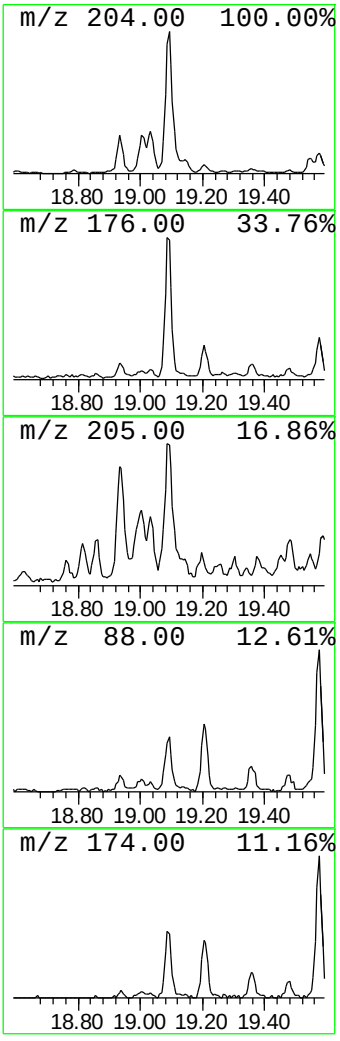
Peak Number 22 Cyclopenta(def)phenanthrenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	12.45 ng/ul	553873	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	4,5,6,7-Tetrafluoro-2-methyl-1H-...	204	C8H4F4N2	081430-75-3	53
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53





Library Search Compound Report

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Acq On : 20 May 2019 12:18
Operator : JU/SJ
Sample : K2633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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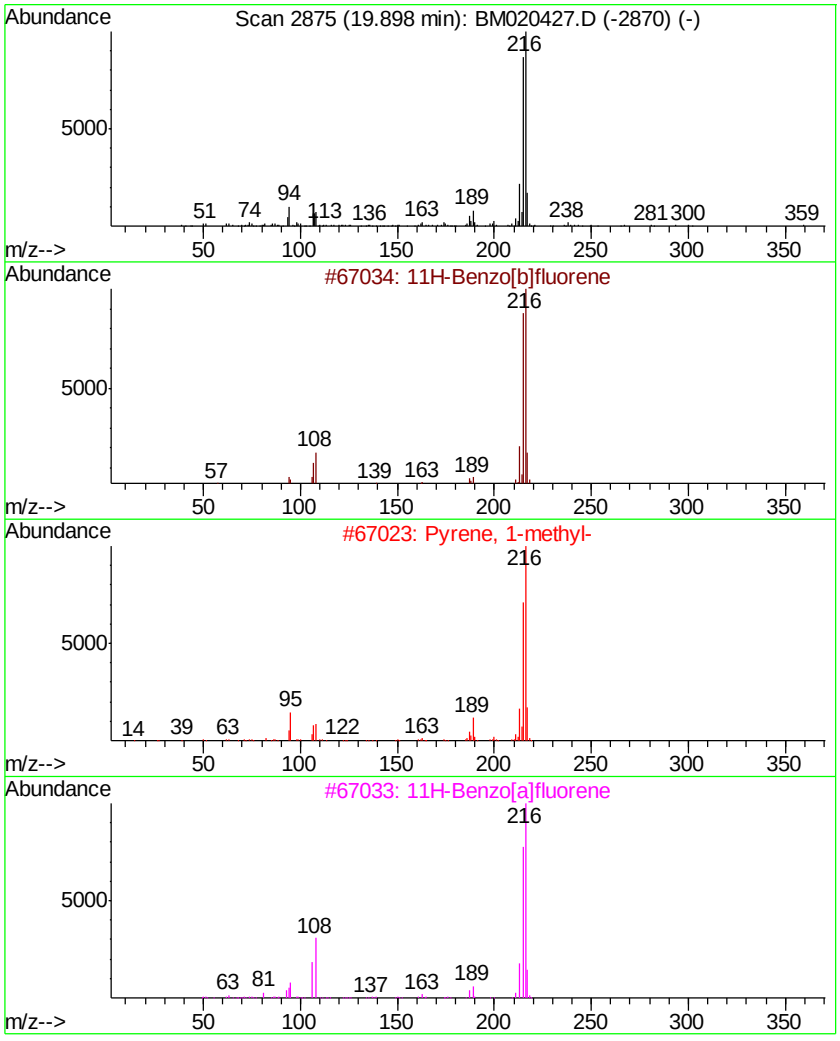
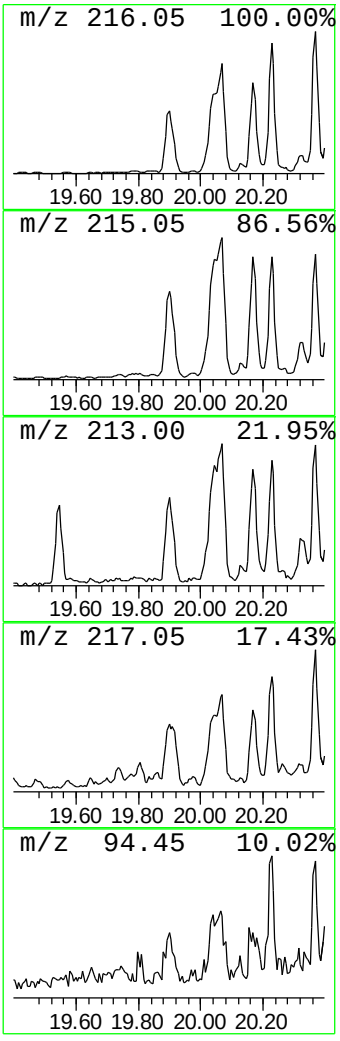
Peak Number 24 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	3.57 ng/ul	435556	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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Acq On : 20 May 2019 12:18
Operator : JU/SJ
Sample : K2633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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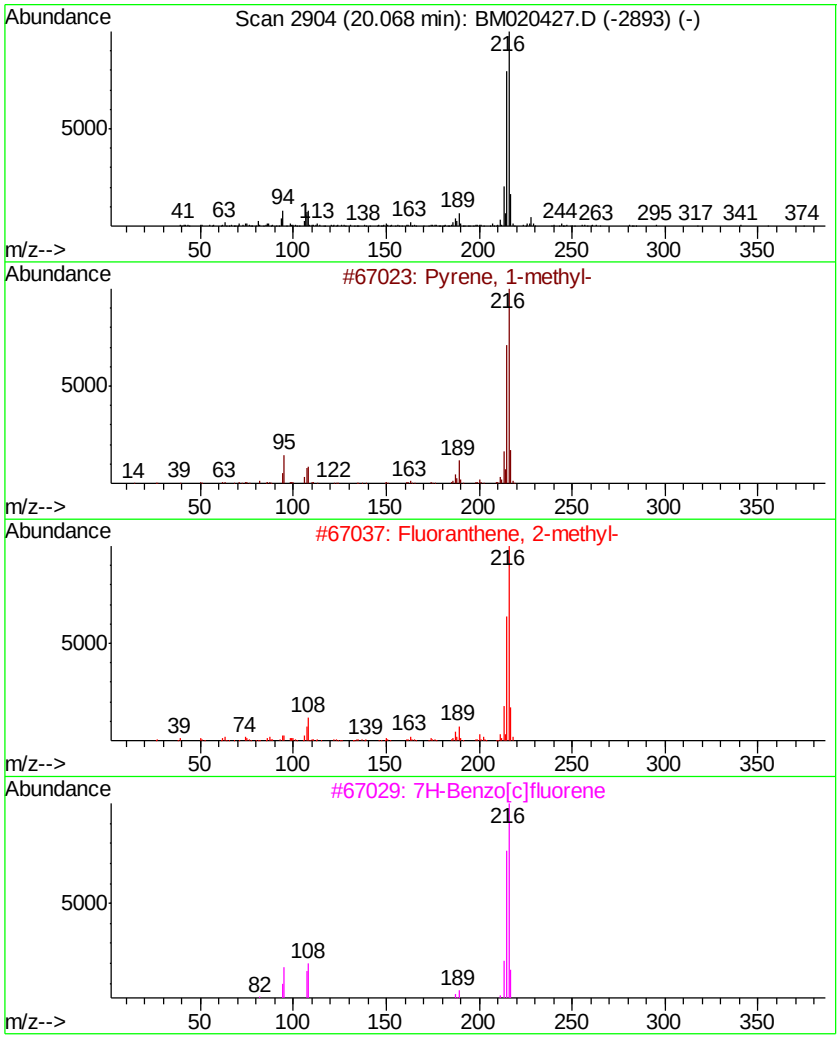
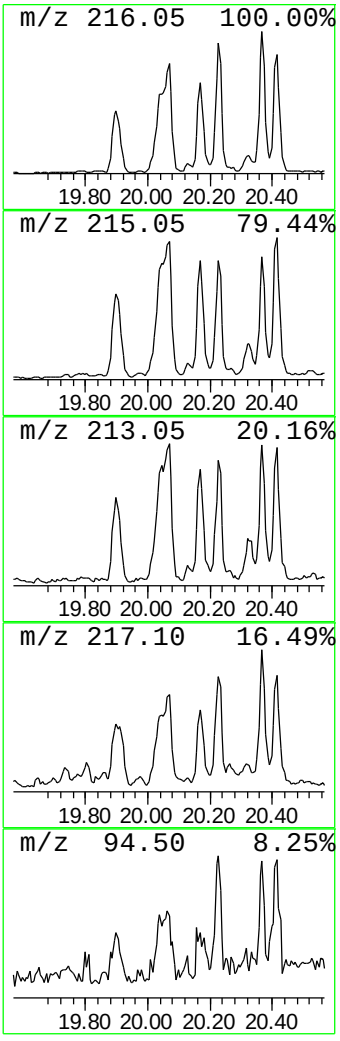
Peak Number 25 Pyrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	7.52 ng/ul	917113	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Library Search Compound Report

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Data File : BM020427.D
Acq On : 20 May 2019 12:18
Operator : JU/SJ
Sample : K2633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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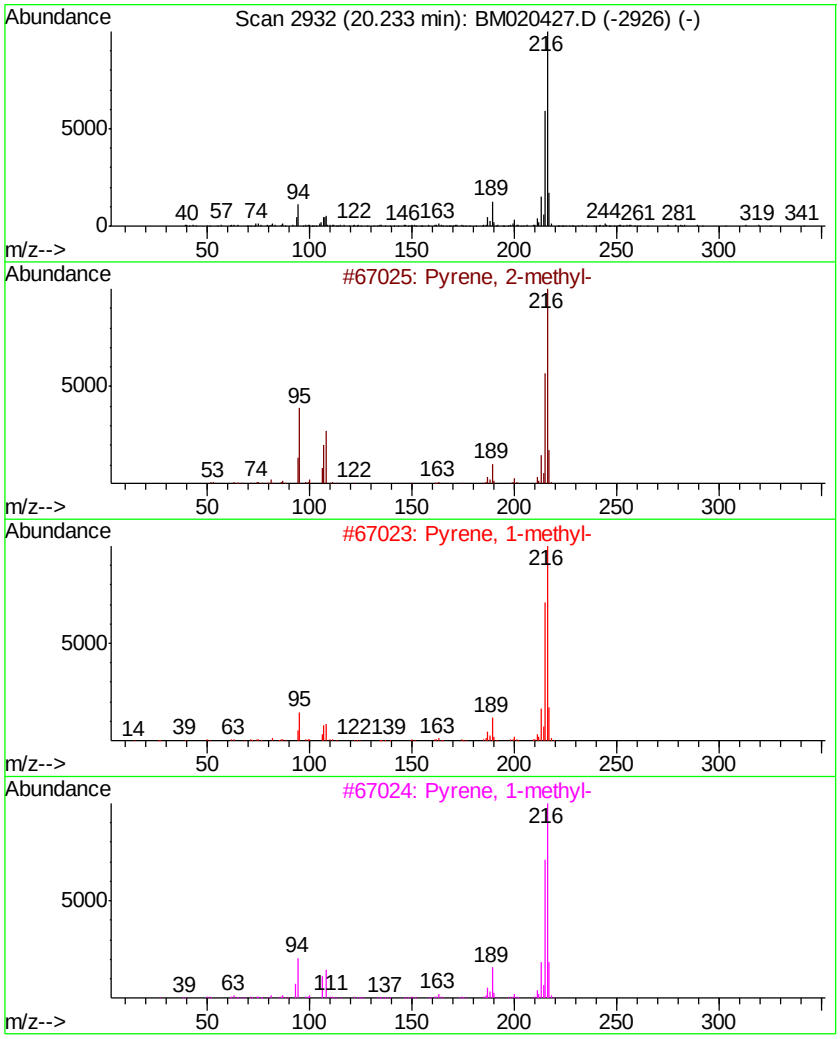
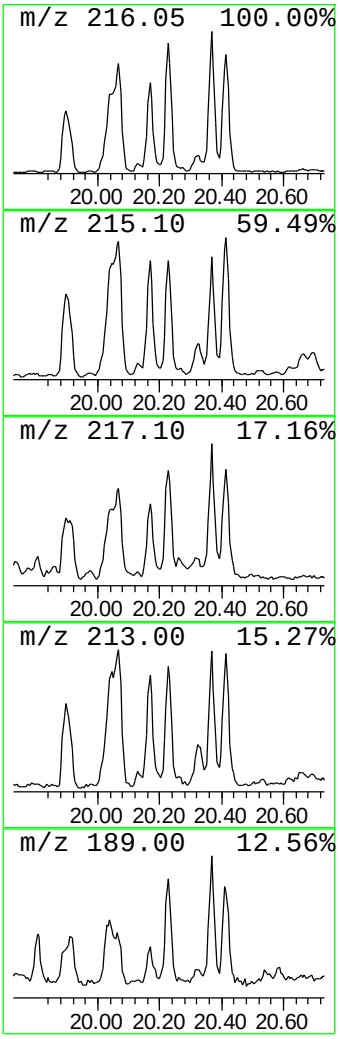
Peak Number 27 Pyrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.23	3.66 ng/ul	446062	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





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Sample : K2633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA0DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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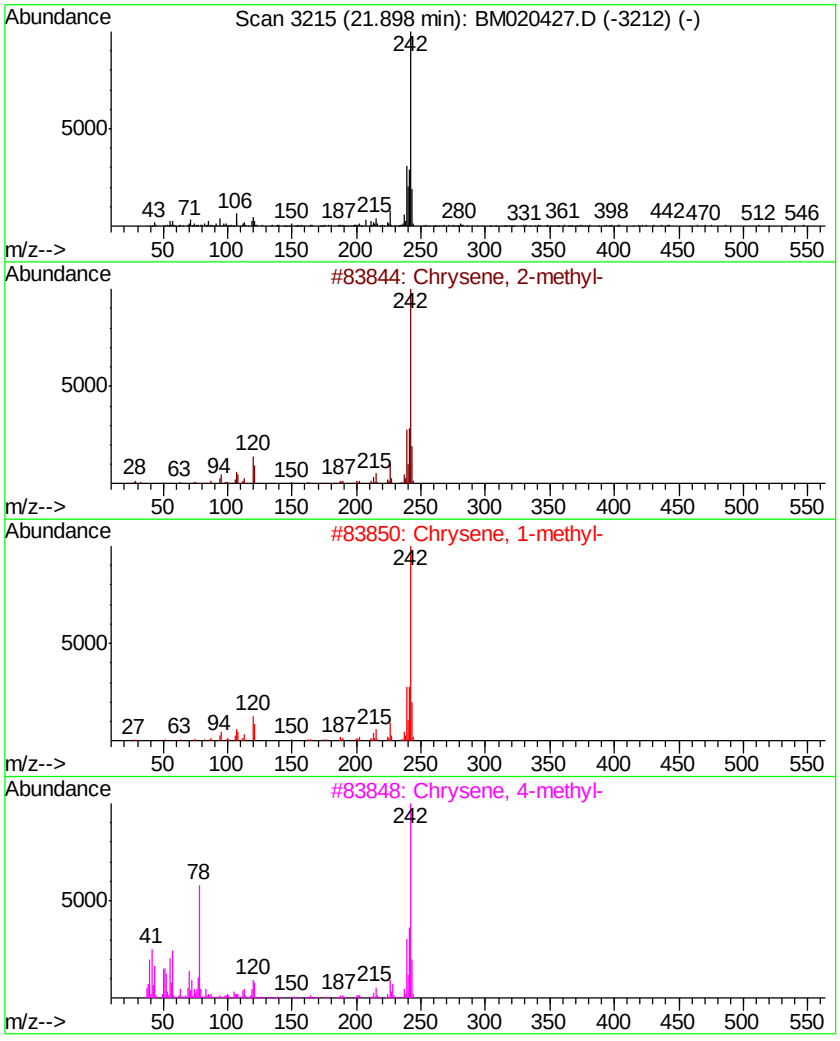
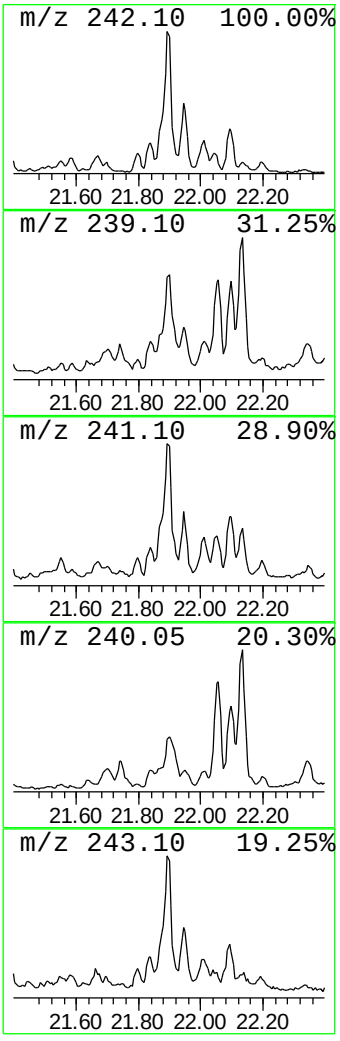
Peak Number 30 Chrysene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.90	2.51 ng/ul	305756	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 2-methyl-	242	C19H14	003351-32-4	93
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	86
3	Chrysene, 4-methyl-	242	C19H14	003351-30-2	76
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	76
5	Chrysene, 6-methyl-	242	C19H14	003697-24-3	70





Tentatively Identified Compound (LSC) summary

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-etheny...	7.39	2.2	ng/ul	45744	1	7.73	417948	20.0
Benzocycloheptatr...	12.05	4.4	ng/ul	121179	2	10.53	555421	20.0
Naphthalene, 1-me...	12.42	3.4	ng/ul	94387	2	10.53	555421	20.0
Naphthalene, 2,6-...	13.55	2.3	ng/ul	86197	3	14.39	764544	20.0
Naphthalene, 2,3-...	13.70	2.2	ng/ul	84322	3	14.39	764544	20.0
Naphthalene, 2-(1...	14.99	2.8	ng/ul	107913	3	14.39	764544	20.0
Fluorene-9-methanol	15.26	2.2	ng/ul	84383	3	14.39	764544	20.0
Phenanthrene, 2-m...	17.62	2.2	ng/ul	96333	4	17.14	890066	20.0
Anthracene, 9-eth...	17.66	2.1	ng/ul	91990	4	17.14	890066	20.0
Biphenylene	17.83	4.2	ng/ul	188728	4	17.14	890066	20.0
Phenanthrene, 1-m...	18.02	3.2	ng/ul	142804	4	17.14	890066	20.0
Phenanthrene, 3-m...	18.06	3.0	ng/ul	135518	4	17.14	890066	20.0
Anthracene, 2-met...	18.14	3.0	ng/ul	134818	4	17.14	890066	20.0
4H-Cyclopenta[def...	18.22	9.8	ng/ul	433918	4	17.14	890066	20.0
2-Phenylnaphthalene	18.52	5.0	ng/ul	223784	4	17.14	890066	20.0
unknown-01	18.57	2.4	ng/ul	105789	4	17.14	890066	20.0
Phenanthrene, 1,7...	18.77	2.1	ng/ul	95711	4	17.14	890066	20.0
di-p-Tolylacetylene	18.94	8.2	ng/ul	365553	4	17.14	890066	20.0
2H-1,3-Oxazine, 2...	19.00	5.0	ng/ul	224336	4	17.14	890066	20.0
unknown-02	19.03	2.2	ng/ul	95949	4	17.14	890066	20.0
Cyclopenta(def)ph...	19.09	12.4	ng/ul	553873	4	17.14	890066	20.0
11H-Benzo[b]fluorene	19.90	3.6	ng/ul	435556	5	21.34	2438240	20.0
Pyrene, 1-methyl-	20.07	7.5	ng/ul	917113	5	21.34	2438240	20.0
Pyrene, 2-methyl-	20.23	3.7	ng/ul	446062	5	21.34	2438240	20.0
Chrysene, 2-methyl-	21.90	2.5	ng/ul	305756	5	21.34	2438240	20.0