LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020419.D
Acq On : 19 May 2019 03:30
Operator : JU/SJ
Sample : K2633-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA2

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	5.728	463	466	472	rBV2	37189	56462	1.70%	0.110%
2	6.904	660	666	681	rBV2	464124	900952	27.18%	1.760%
3	7.081	690	696	708	rBV	349919	580644	17.51%	1.134%
4	7.269	722	728	742	rVB	511667	824008	24.85%	1.610%
5	7.387	744	748	755	rVB3	23047	44659	1.35%	0.087%
6	7.740	801	808	815	rBV	443938	730883	22.05%	1.428%
7	8.269	892	898	903	rBV2	25415	43258	1.30%	0.085%
8	8.445	921	928	941	rBV	540831	942155	28.42%	1.841%
9	8.904	1000	1006	1018	rBV	434454	759483	22.91%	1.484%
10	9.622	1121	1128	1143	rVV	367485	634329	19.13%	1.239%
11	10.157	1212	1219	1230	rVV	571750	1018560	30.72%	1.990%
12	10.534	1275	1283	1287	rVV	598220	1008937	30.43%	1.971%
13	10.581	1287	1291	1299	rVB	205940	341483	10.30%	0.667%
14	10.681	1301	1308	1327	rBV	340224	655204	19.76%	1.280%
15	11.939	1516	1522	1530	rVV5	31472	67313	2.03%	0.132%
16	12.045	1532	1540	1547	rVV4	20428	52340	1.58%	0.102%
17	12.198	1560	1566	1574	rBV	234245	351865	10.61%	0.687%
18	12.422	1593	1604	1611	rBV	164939	262615	7.92%	0.513%
19	13.186	1727	1734	1736	rBV3	24013	43642	1.32%	0.085%
20	13.216	1736	1739	1745	rVB	62365	92419	2.79%	0.181%
21	13.545	1788	1795	1797	rBV2	50660	82538	2.49%	0.161%
22	13.710	1816	1823	1828	rBV	99537	175660	5.30%	0.343%
23	13.763	1828	1832	1834	rVV	58663	81881	2.47%	0.160%
24	13.804	1834	1839	1843	rVV	1033948	1449037	43.71%	2.831%
25	13.845	1843	1846	1853	rVB2	427241	580639	17.51%	1.134%
26	13.945	1858	1863	1866	rVV2	48490	70838	2.14%	0.138%
27	14.086	1880	1887	1890	rVV	1134315	1794903	54.14%	3.507%
28	14.116	1890	1892	1900	rVV	590137	720145	21.72%	1.407%
29	14.263	1912	1917	1925	rBV2	40270	57132	1.72%	0.112%
30	14.392	1925	1939	1946	rBV2	841085	1325892	39.99%	2.590%
31	14.457	1946	1950	1957	rVB2	36295	72407	2.18%	0.141%
32	14.610	1967	1976	1986	rBV	236481	461232	13.91%	0.901%
33	14.786	1998	2006	2010	rVV2	50210	113925	3.44%	0.223%
34	14.863	2016	2019	2032	rVB6	37386	77188	2.33%	0.151%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
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Acq On : 19 May 2019 03:30
Operator : JU/SJ
Sample : K2633-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA2

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	14.998	2035	2042	2046	rBV3	52907	100522	3.03%	0.196%
36	15.157	2065	2069	2075	rBV5	26989	57662	1.74%	0.113%
37	15.221	2075	2080	2083	rVV3	42965	57414	1.73%	0.112%
38	15.263	2083	2087	2093	rVB	71667	103962	3.14%	0.203%
39	15.386	2102	2108	2114	rVV	1430207	2010199	60.63%	3.927%
40	15.445	2114	2118	2127	rVV2	179011	322803	9.74%	0.631%
41	15.533	2127	2133	2142	rVV2	172300	285714	8.62%	0.558%
42	15.627	2143	2149	2160	rVV6	38133	125579	3.79%	0.245%
43	15.727	2162	2166	2172	rVV4	20078	42080	1.27%	0.082%
44	15.780	2172	2175	2182	rVB4	27065	47671	1.44%	0.093%
45	16.092	2222	2228	2229	rBV	52431	82717	2.49%	0.162%
46	16.127	2231	2234	2245	rVV	109713	182268	5.50%	0.356%
47	16.445	2280	2288	2293	rVV4	58777	144126	4.35%	0.282%
48	16.498	2293	2297	2301	rVV2	36285	50699	1.53%	0.099%
49	16.592	2309	2313	2318	rVB2	37581	49935	1.51%	0.098%
50	16.721	2331	2335	2340	rVB3	35540	49872	1.50%	0.097%
51	16.804	2344	2349	2356	rVB2	44584	73771	2.23%	0.144%
52	16.880	2357	2362	2365	rVV2	47818	62019	1.87%	0.121%
53	16.927	2365	2370	2373	rVV2	24777	44908	1.35%	0.088%
54	16.963	2373	2376	2382	rVB	62308	84157	2.54%	0.164%
55	17.145	2401	2407	2411	rBV	915080	1339683	40.41%	2.617%
56	17.186	2411	2414	2419	rVV	720907	925612	27.92%	1.808%
57	17.245	2419	2424	2428	rVV	1312811	1889299	56.99%	3.691%
58	17.280	2428	2430	2435	rVB	352152	389003	11.73%	0.760%
59	17.615	2482	2487	2491	rBV3	54240	73151	2.21%	0.143%
60	17.657	2491	2494	2501	rVB	71047	92428	2.79%	0.181%
61	17.727	2501	2506	2511	rVB3	48325	79509	2.40%	0.155%
62	17.833	2520	2524	2529	rBV2	48247	95082	2.87%	0.186%
63	17.945	2539	2543	2551	rVB3	34630	67884	2.05%	0.133%
64	18.021	2551	2556	2560	rBV2	254867	390197	11.77%	0.762%
65	18.068	2560	2564	2568	rVB	156135	227208	6.85%	0.444%
66	18.151	2574	2578	2583	rBV	85772	123803	3.73%	0.242%
67	18.215	2583	2589	2593	rVV2	290900	544664	16.43%	1.064%
68	18.251	2593	2595	2602	rVB	101997	132315	3.99%	0.258%
69	18.315	2602	2606	2613	rBV4	32814	65399	1.97%	0.128%
70	18.380	2613	2617	2620	rBV5	24570	39414	1.19%	0.077%
71	18.521	2636	2641	2647	rVV	124549	176233	5.32%	0.344%

LSC Area Percent Report

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Acq On : 19 May 2019 03:30
Operator : JU/SJ
Sample : K2633-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA2

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	18.815	2689	2691	2695	rVB	42385	45750	1.38%	0.089%
73	18.857	2695	2698	2701	rBV	33060	37687	1.14%	0.074%
74	18.939	2707	2712	2715	rBV	196781	319373	9.63%	0.624%
75	19.033	2726	2728	2732	rVB	66651	65518	1.98%	0.128%
76	19.092	2732	2738	2749	rBV	402327	680980	20.54%	1.330%
77	19.209	2752	2758	2763	rVB	1084671	1429525	43.12%	2.793%
78	19.268	2765	2768	2771	rVB2	50271	56991	1.72%	0.111%
79	19.309	2771	2775	2778	rBV4	52285	75741	2.28%	0.148%
80	19.357	2779	2783	2788	rBV	248881	339321	10.23%	0.663%
81	19.480	2800	2804	2809	rVB	154515	220542	6.65%	0.431%
82	19.545	2809	2815	2817	rBV	1405024	1937282	58.43%	3.785%
83	19.574	2817	2820	2828	rVV	2519111	3315347	100.00%	6.477%
84	19.645	2828	2832	2837	rVV2	77015	127077	3.83%	0.248%
85	19.804	2856	2859	2865	rBV4	76568	135928	4.10%	0.266%
86	19.898	2870	2875	2883	rBV2	186036	515573	15.55%	1.007%
87	20.039	2895	2899	2900	rBV4	161745	206120	6.22%	0.403%
88	20.168	2917	2921	2925	rVB2	215197	276064	8.33%	0.539%
89	20.227	2927	2931	2935	rVV2	304944	361805	10.91%	0.707%
90	20.368	2951	2955	2958	rBV	310796	404215	12.19%	0.790%
91	20.409	2959	2962	2969	rVV	263182	402647	12.14%	0.787%
92	21.021	3063	3066	3069	rBV2	318635	383447	11.57%	0.749%
93	21.056	3070	3072	3076	rVB	212403	246521	7.44%	0.482%
94	21.333	3113	3119	3123	rBV3	1555125	3270887	98.66%	6.390%
95	21.374	3123	3126	3131	rVB	819789	1051945	31.73%	2.055%
96	22.933	3386	3391	3403	rVB	834910	2467766	74.43%	4.821%
97	23.421	3470	3474	3478	rBV	580596	994666	30.00%	1.943%
98	23.474	3479	3483	3487	rVV2	861429	1596045	48.14%	3.118%
99	23.521	3487	3491	3498	rVB	1273927	2262966	68.26%	4.421%
100	23.621	3504	3508	3512	rVB	567664	855653	25.81%	1.672%

Sum of corrected areas: 51186972

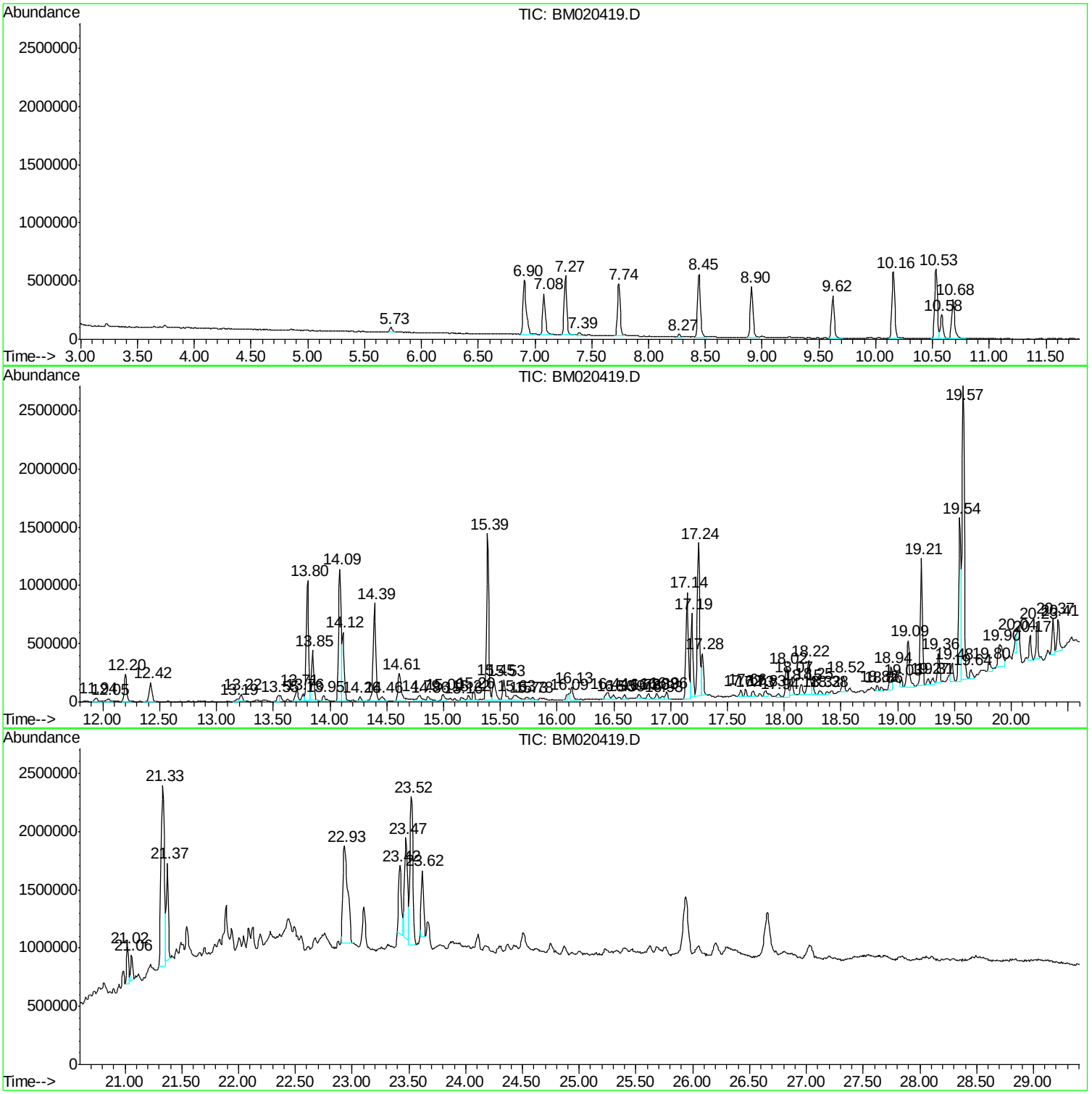
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020419.D
Acq On : 19 May 2019 03:30
Operator : JU/SJ
Sample : K2633-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA2

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\BM051819\
Data File : BM020419.D
Acq On : 19 May 2019 03:30
Operator : JU/SJ
Sample : K2633-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA2

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

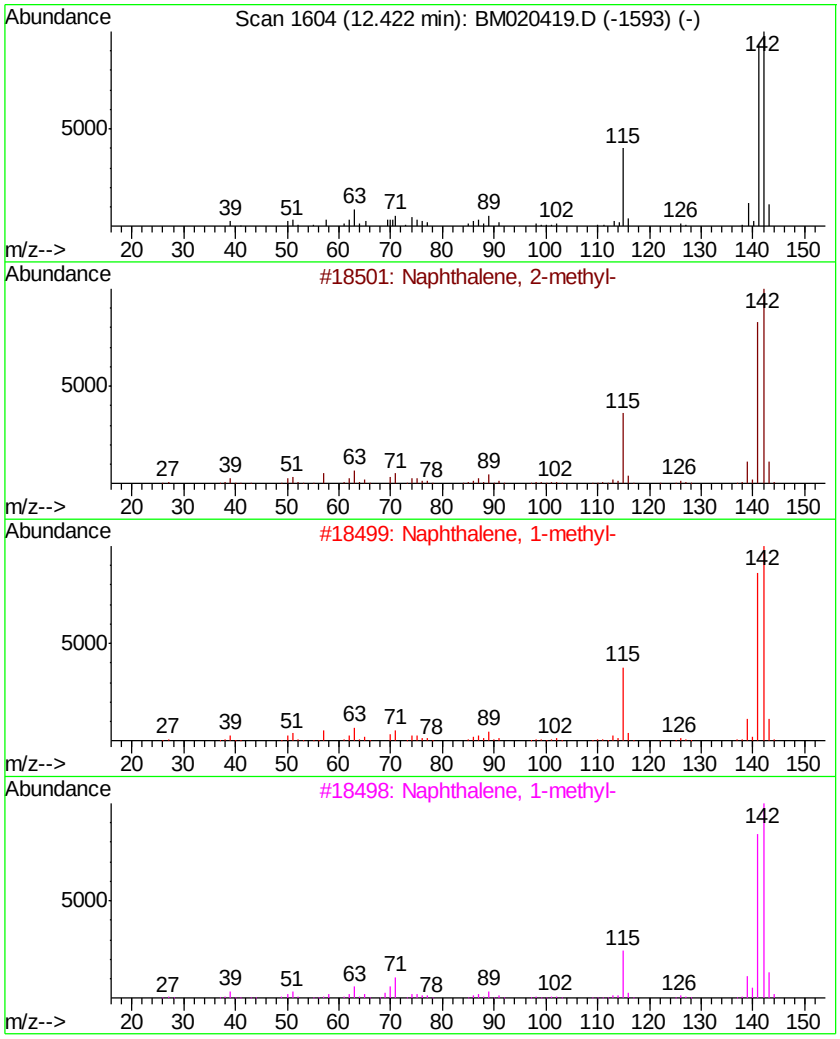
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

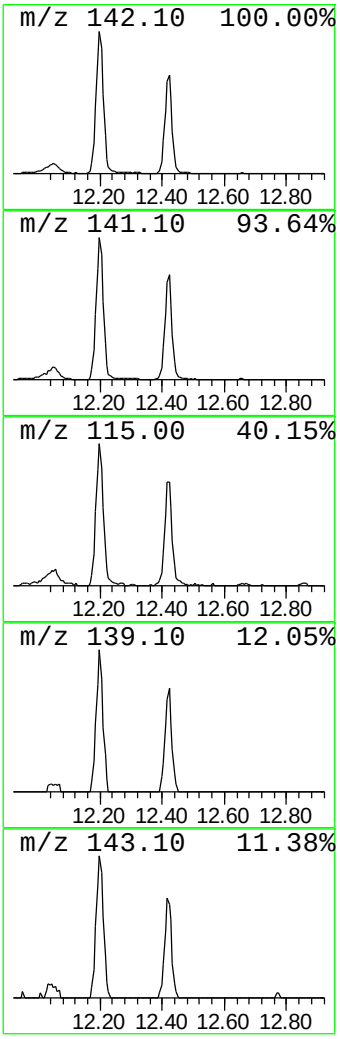
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	5.21 ng/ul	262615	Naphthalene-d8	10.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020419.D
Acq On : 19 May 2019 03:30
Operator : JU/SJ
Sample : K2633-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA2

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

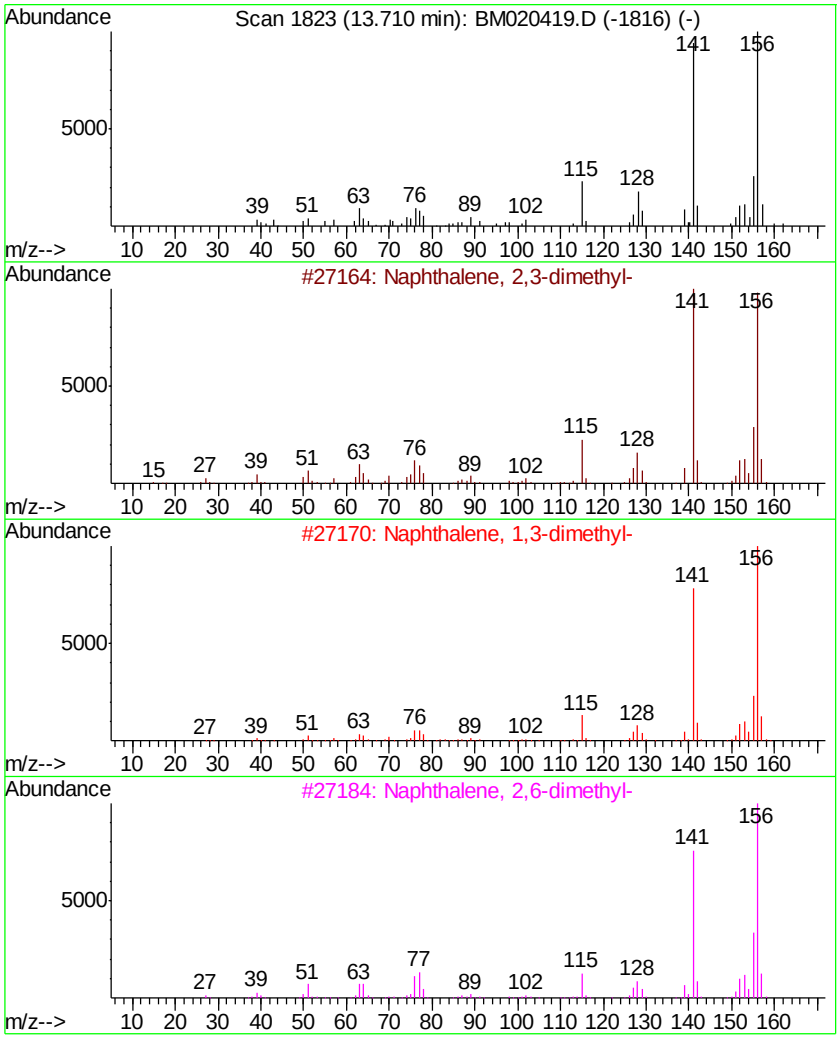
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

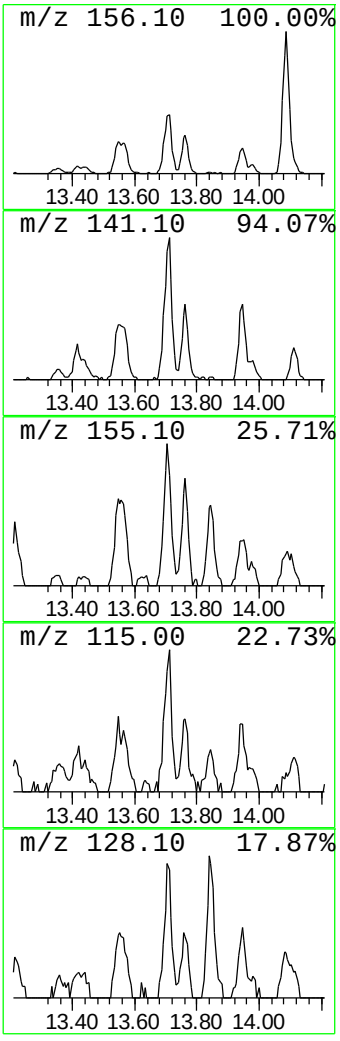
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	2.65 ng/ul	175660	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, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020419.D
Acq On : 19 May 2019 03:30
Operator : JU/SJ
Sample : K2633-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA2

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

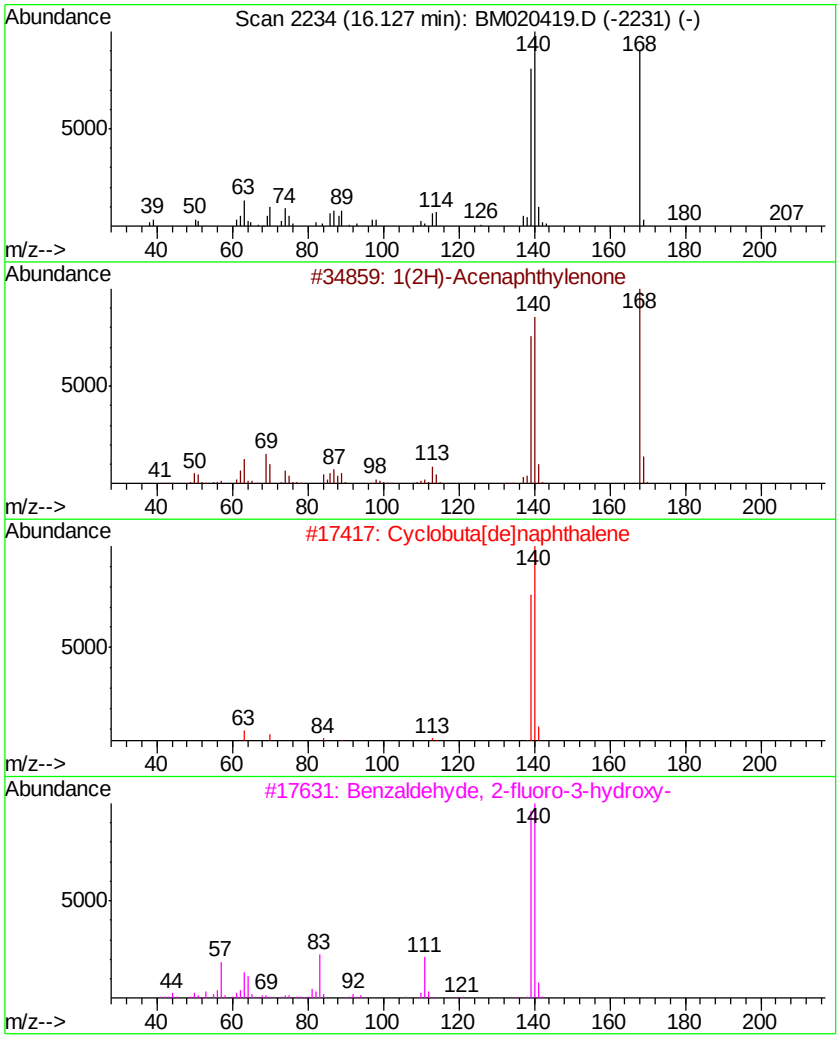
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

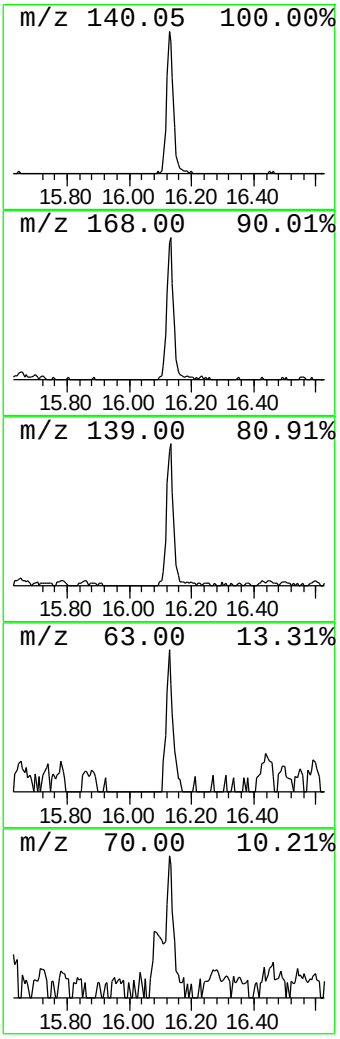
****

Peak Number 3 1(2H)-Acenaphthylenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	2.72 ng/ul	182268	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	81
2	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	52
3	Benzaldehyde, 2-fluoro-3-hydroxy-	140	C7H5FO2	103438-86-4	49
4	Benzenaldehyde, 2-fluoro-5-hydroxy-	140	C7H5FO2	103438-84-2	49
5	Benzaldehyde, 4-fluoro-3-hydroxy-	140	C7H5FO2	103438-85-3	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020419.D
Acq On : 19 May 2019 03:30
Operator : JU/SJ
Sample : K2633-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA2

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

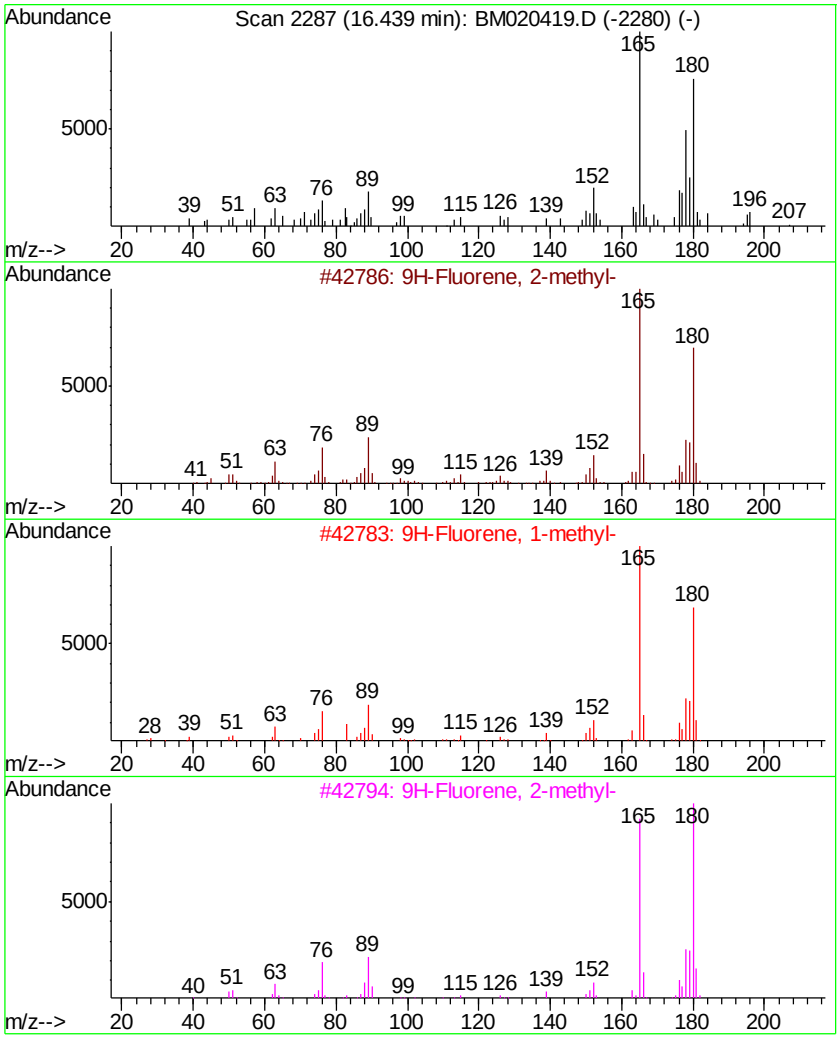
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

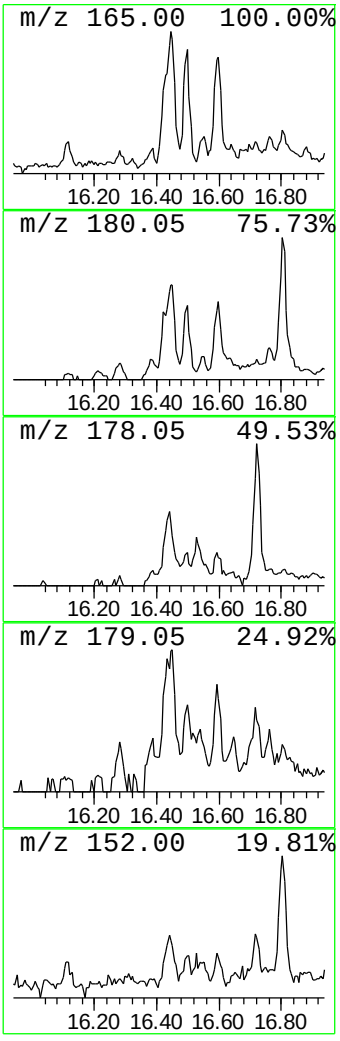
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	2.15 ng/ul	144126	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	92
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	92
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020419.D
Acq On : 19 May 2019 03:30
Operator : JU/SJ
Sample : K2633-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA2

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

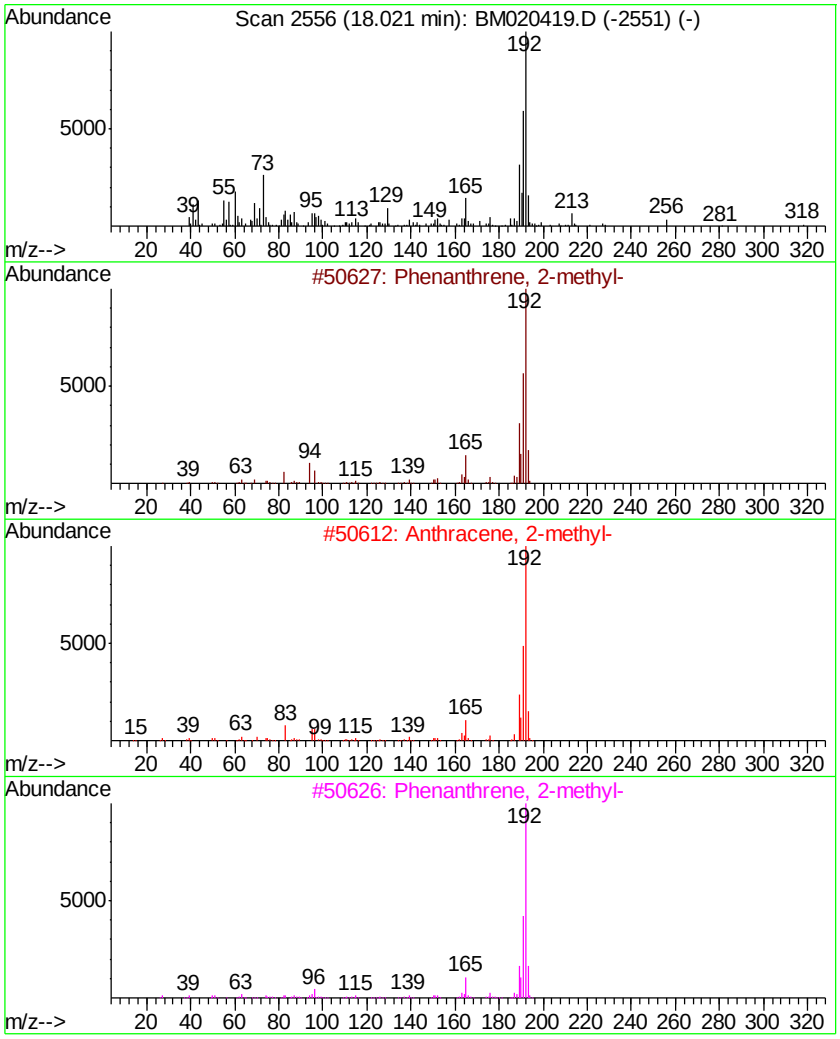
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

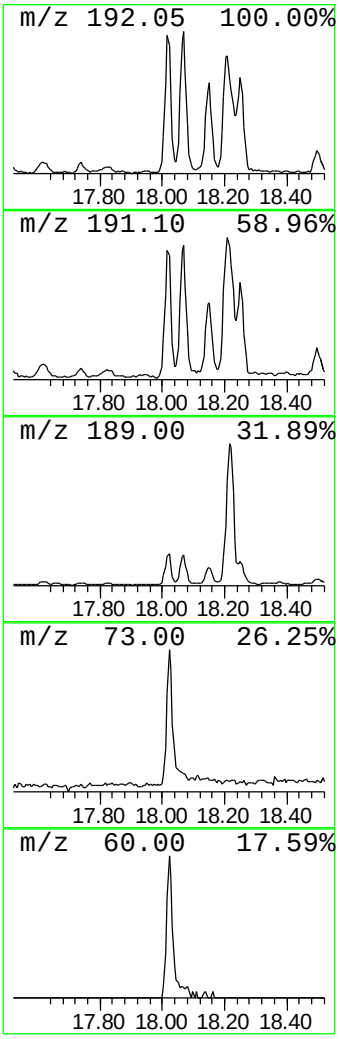
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	5.83 ng/ul	390197	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020419.D
Acq On : 19 May 2019 03:30
Operator : JU/SJ
Sample : K2633-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA2

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

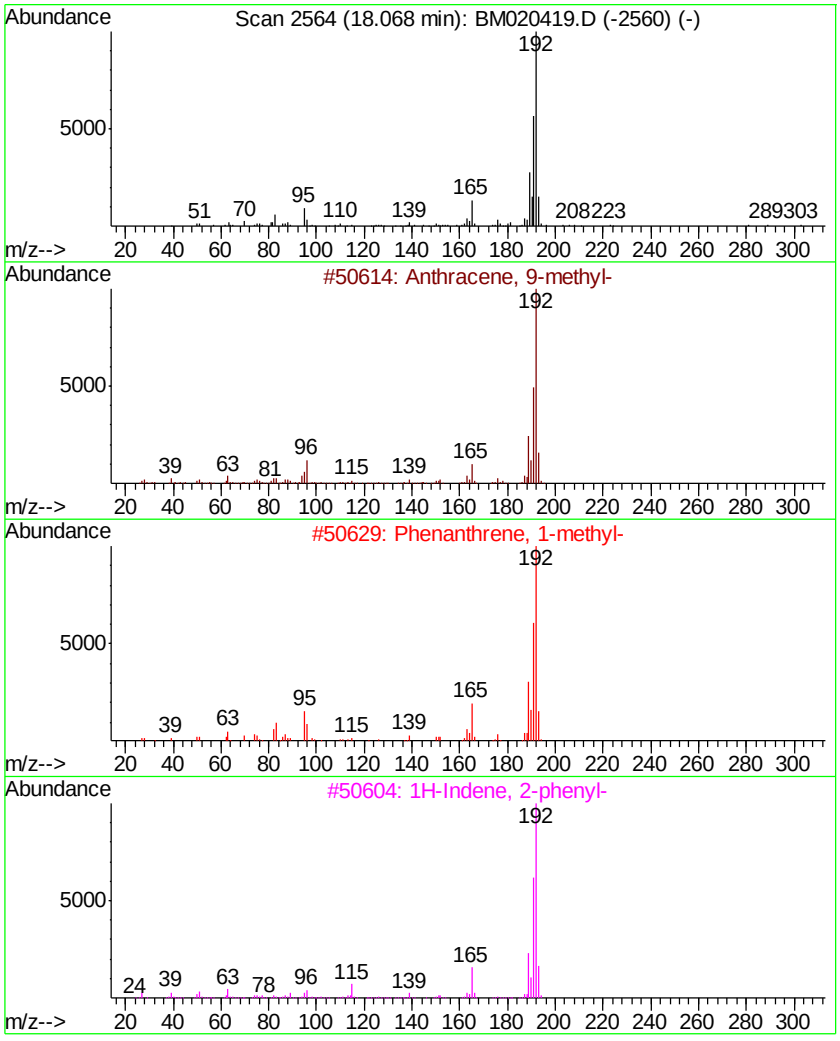
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

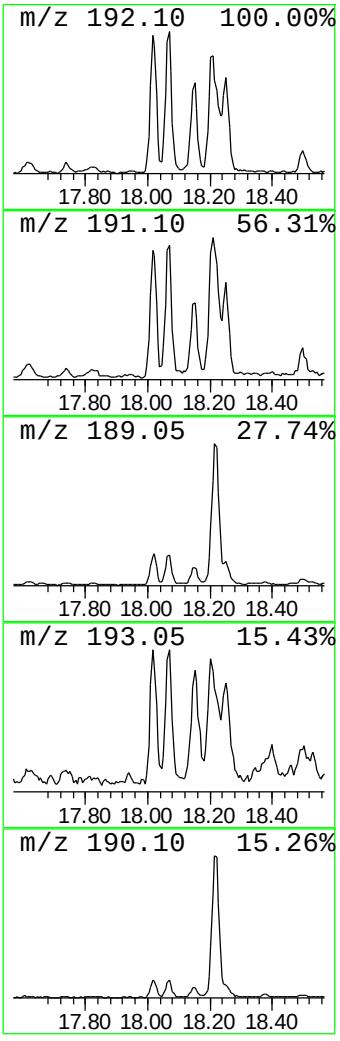
****

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	3.39 ng/ul	227208	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Operator : JU/SJ
Sample : K2633-10
Misc :
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Instrument : BNA_M
ClientSampleId : GAJA2

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Quant Title : SVOA CALIBRATION

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

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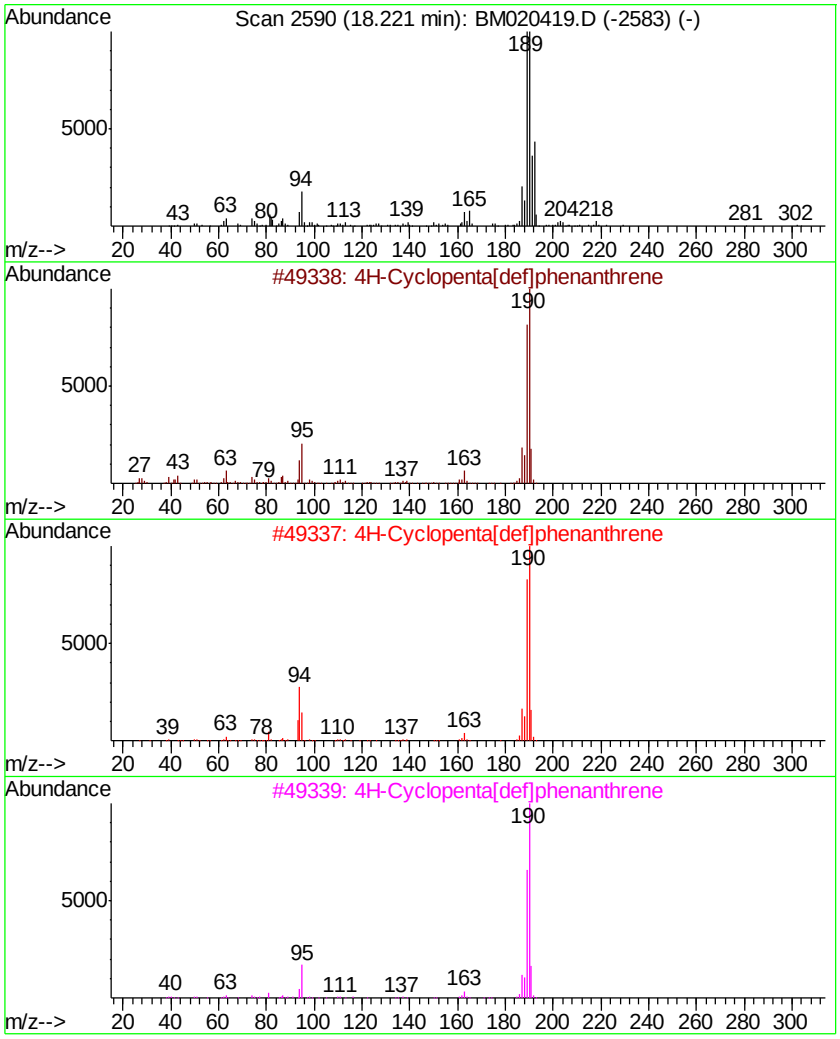
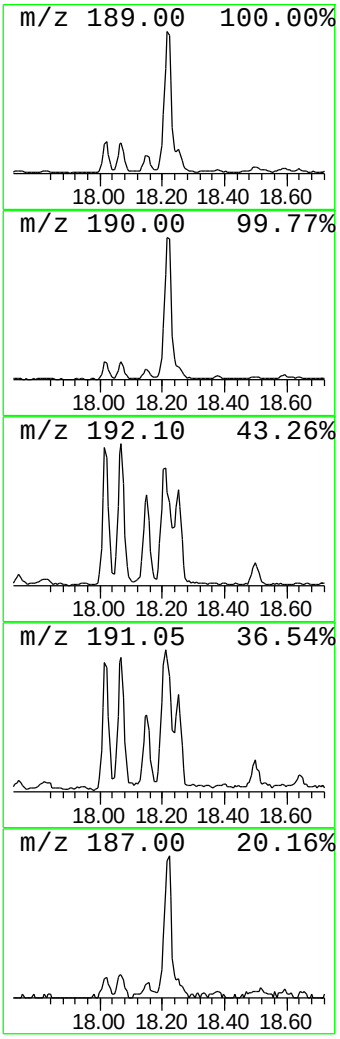
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	8.13 ng/ul	544664	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40





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Operator : JU/SJ
Sample : K2633-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA2

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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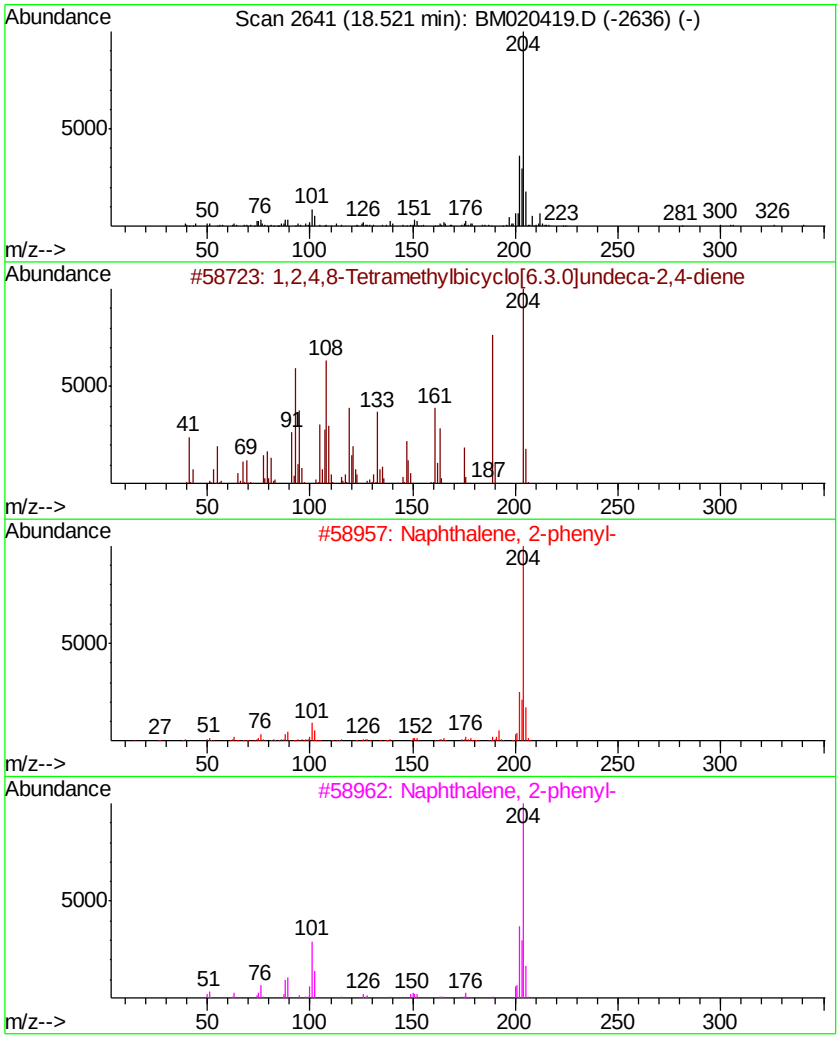
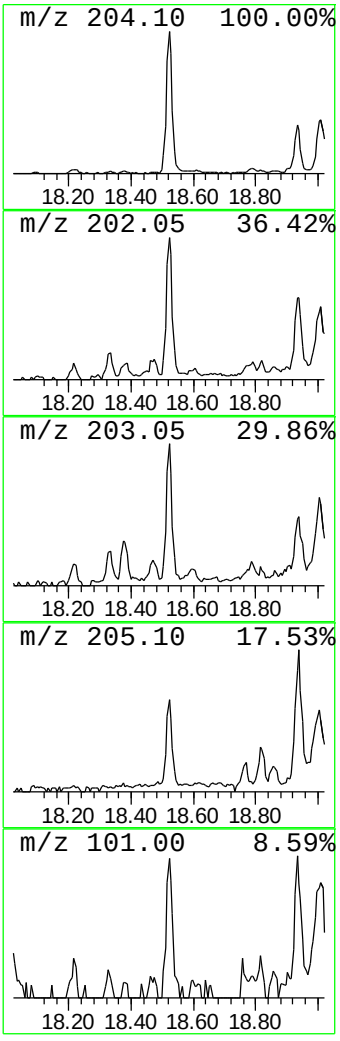
Peak Number 8 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	2.63 ng/ul	176233	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68





Library Search Compound Report

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Acq On : 19 May 2019 03:30
Operator : JU/SJ
Sample : K2633-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA2

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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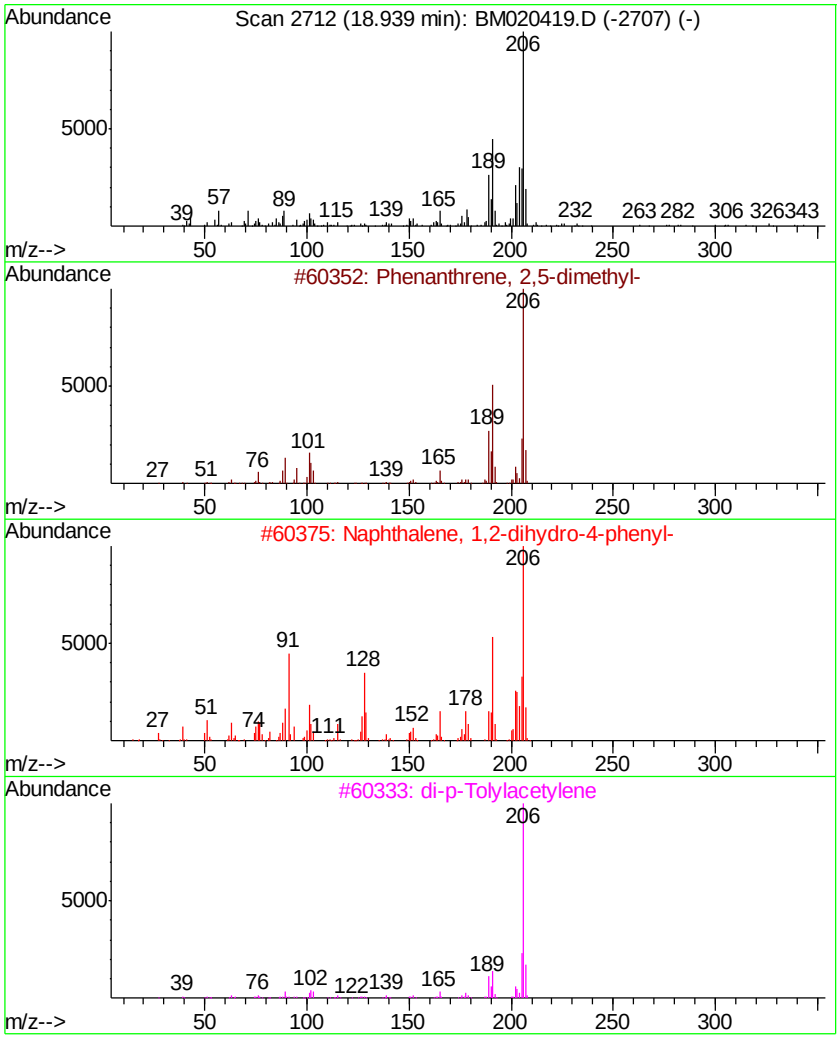
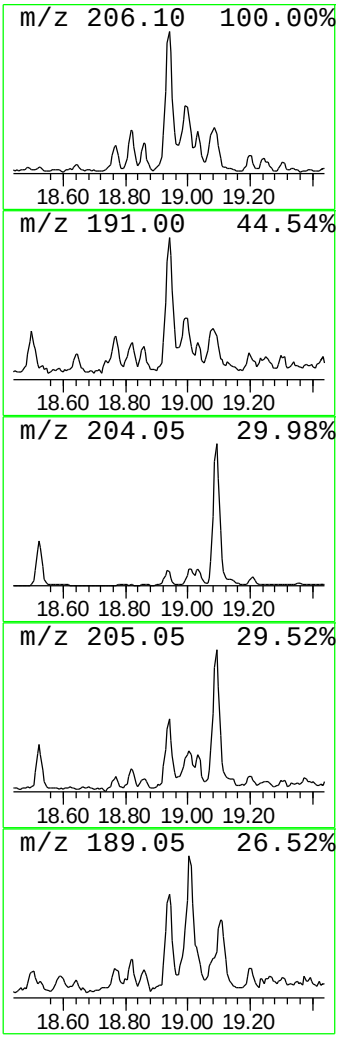
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	4.77 ng/ul	319373	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89





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Acq On : 19 May 2019 03:30
Operator : JU/SJ
Sample : K2633-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA2

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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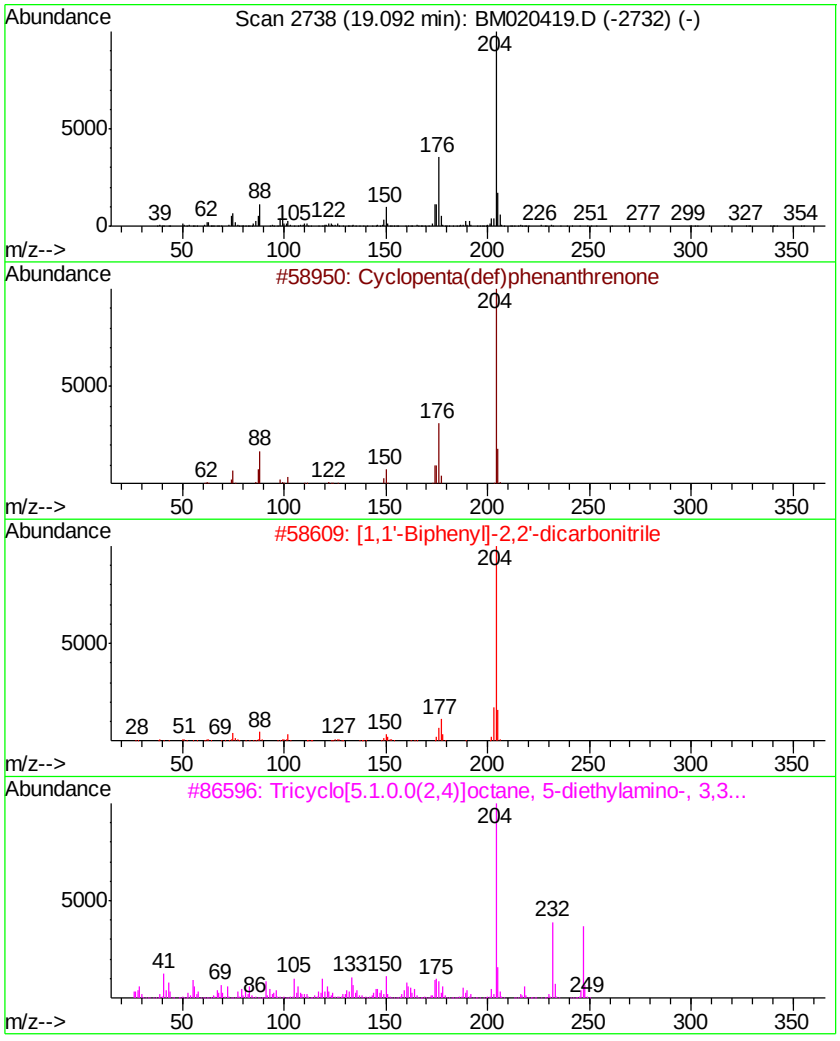
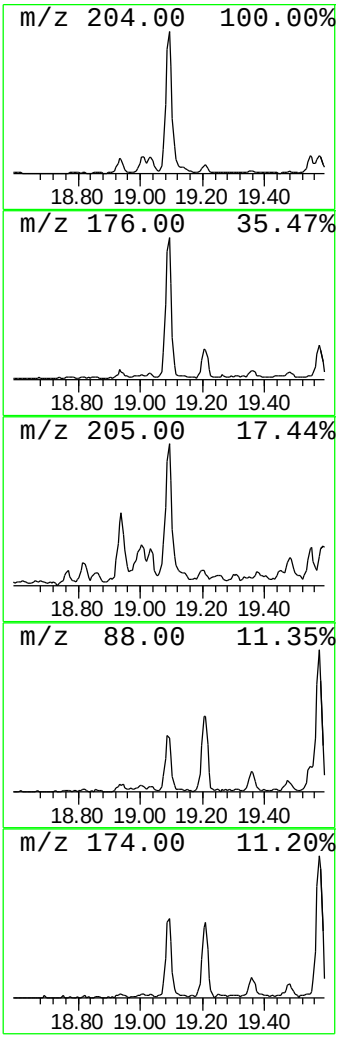
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	10.17 ng/ul	680980	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	59
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
5	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	53





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Data File : BM020419.D
Acq On : 19 May 2019 03:30
Operator : JU/SJ
Sample : K2633-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA2

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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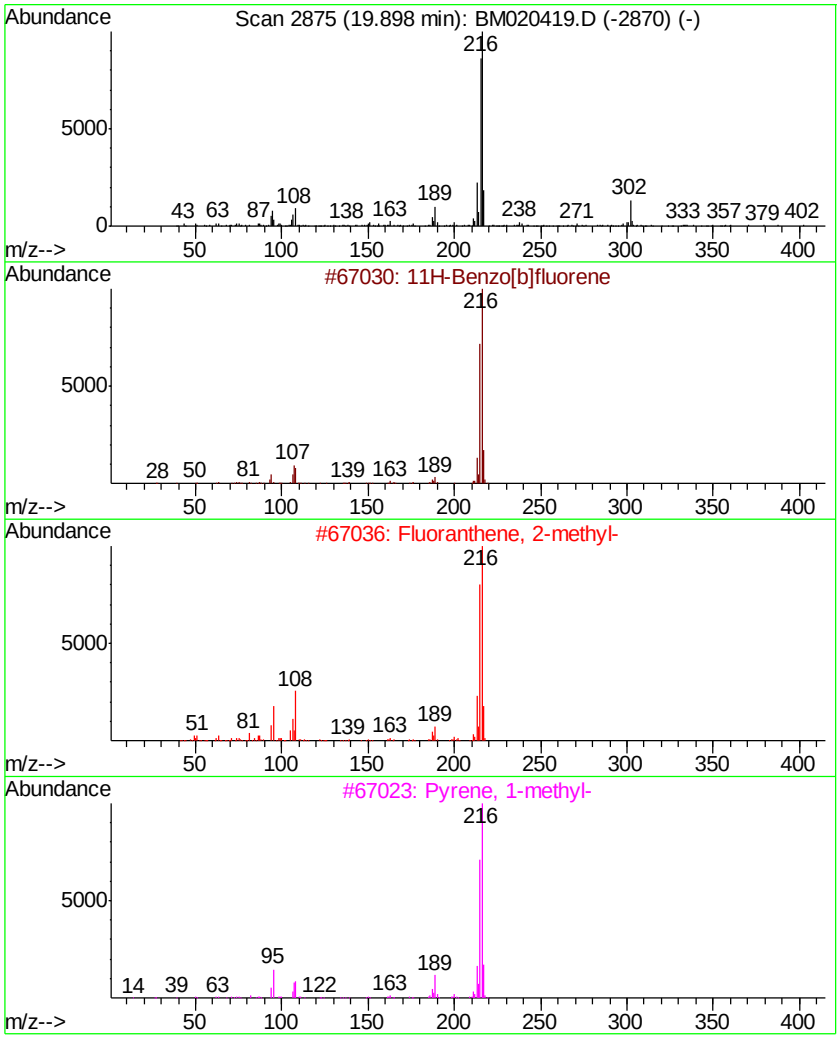
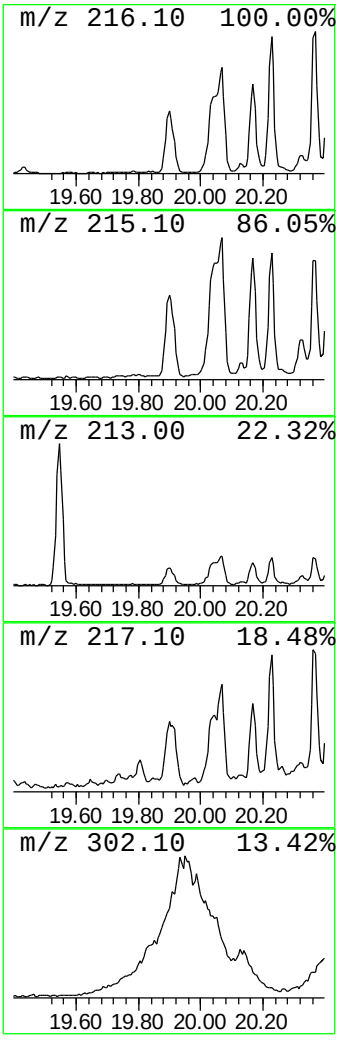
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	3.15 ng/ul	515573	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





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Operator : JU/SJ
Sample : K2633-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA2

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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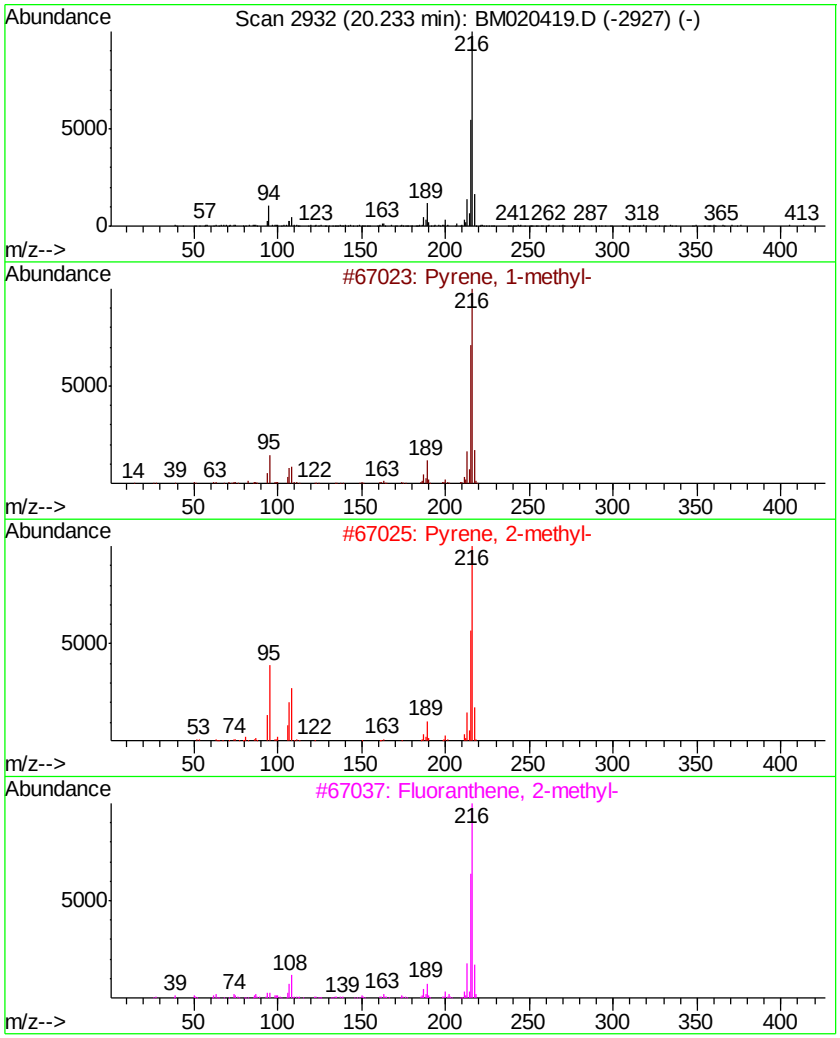
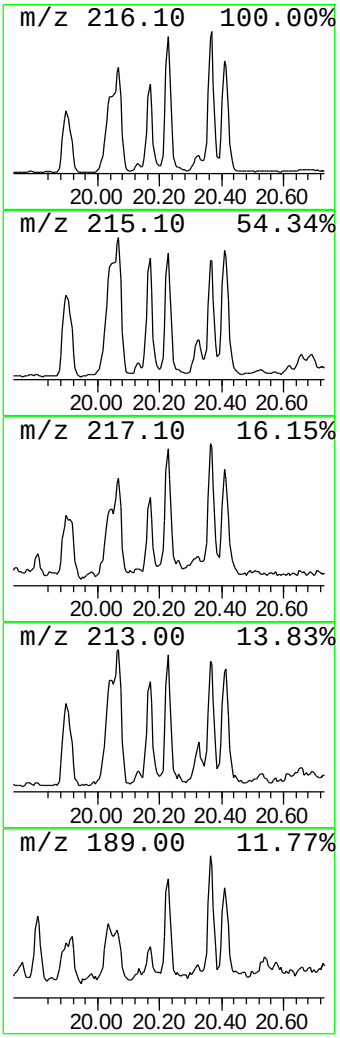
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.23	2.21 ng/ul	361805	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91





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Instrument : BNA_M
ClientSampleId : GAJA2

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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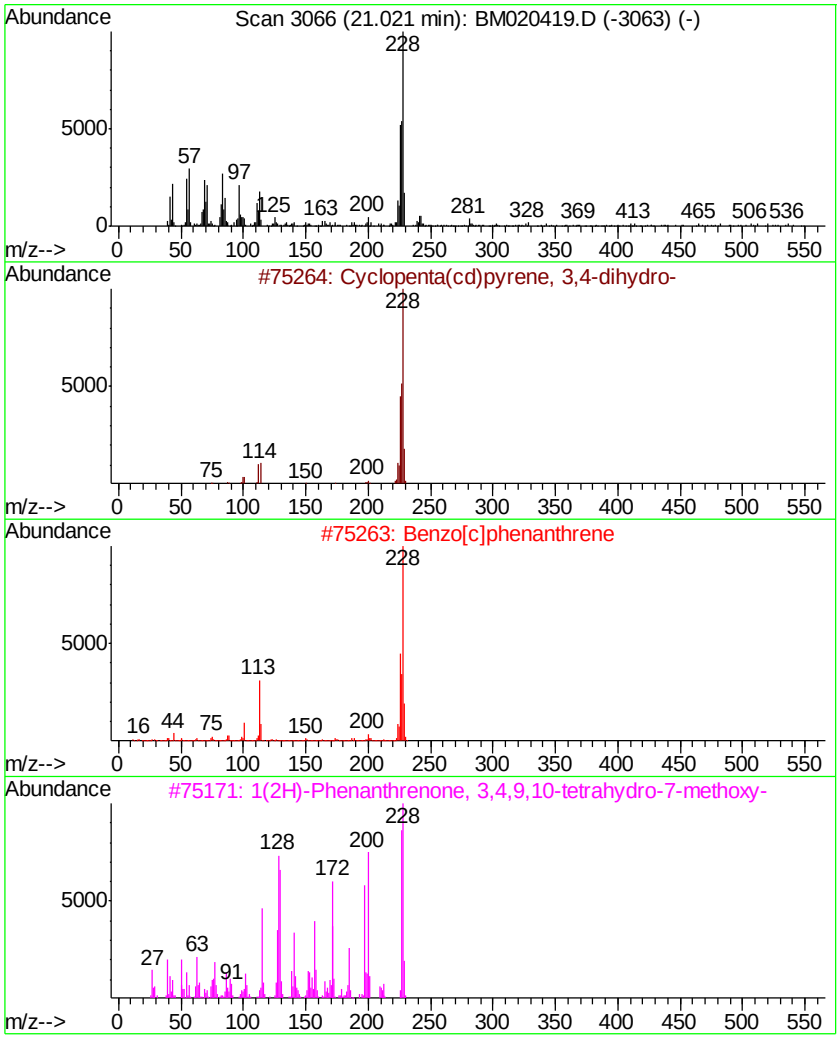
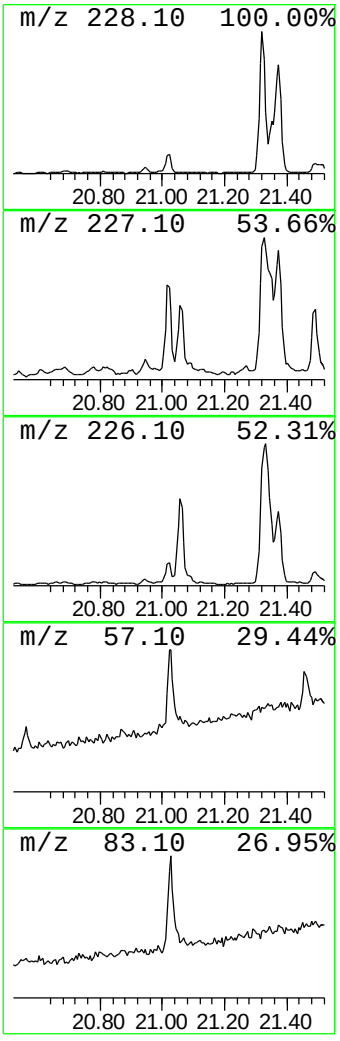
Peak Number 16 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	2.34 ng/ul	383447	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	60
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	50
3	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	47
4	Chrysene	228	C18H12	000218-01-9	46
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	45





Tentatively Identified Compound (LSC) summary

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Data File : BM020419.D
Acq On : 19 May 2019 03:30
Operator : JU/SJ
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Misc :
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Instrument : BNA_M
ClientSampleId : GAJA2

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1-me...	12.42	5.2	ng/ul	262615	2	10.53	1008940	20.0
Naphthalene, 2,3-...	13.71	2.6	ng/ul	175660	3	14.39	1325890	20.0
1(2H)-Acenaphthyl...	16.13	2.7	ng/ul	182268	4	17.14	1339680	20.0
9H-Fluorene, 2-me...	16.44	2.1	ng/ul	144126	4	17.14	1339680	20.0
Phenanthrene, 2-m...	18.02	5.8	ng/ul	390197	4	17.14	1339680	20.0
Anthracene, 9-met...	18.07	3.4	ng/ul	227208	4	17.14	1339680	20.0
4H-Cyclopenta[def...	18.22	8.1	ng/ul	544664	4	17.14	1339680	20.0
1,2,4,8-Tetrameth...	18.52	2.6	ng/ul	176233	4	17.14	1339680	20.0
Phenanthrene, 2,5...	18.94	4.8	ng/ul	319373	4	17.14	1339680	20.0
Cyclopenta(def)ph...	19.09	10.2	ng/ul	680980	4	17.14	1339680	20.0
11H-Benzo[b]fluorene	19.90	3.1	ng/ul	515573	5	21.34	3270890	20.0
Pyrene, 1-methyl-	20.23	2.2	ng/ul	361805	5	21.34	3270890	20.0
Cyclopenta(cd)pyr...	21.02	2.3	ng/ul	383447	5	21.34	3270890	20.0