LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020787.D
Acq On : 07 Jun 2019 05:26
Operator : HP/JU
Sample : K3201-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB7

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-BM060619MA.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	3.046	6	10	33	rVB	9467427	11234516	54.41%	3.810%
2	6.975	668	678	693	rVB	1090241	1842457	8.92%	0.625%
3	7.151	701	708	723	rBV	913696	1489110	7.21%	0.505%
4	7.340	733	740	751	rVB	1206267	1943406	9.41%	0.659%
5	7.810	810	820	827	rBV	1287184	2044409	9.90%	0.693%
6	8.510	932	939	947	rBV	1235177	1934173	9.37%	0.656%
7	8.969	1010	1017	1024	rBV	1109058	1908179	9.24%	0.647%
8	9.686	1132	1139	1150	rBV	973495	1585529	7.68%	0.538%
9	10.222	1223	1230	1241	rVB	1488195	2452545	11.88%	0.832%
10	10.604	1283	1295	1300	rBV	1705386	2916418	14.12%	0.989%
11	10.739	1309	1318	1335	rBV	985983	1827455	8.85%	0.620%
12	13.863	1844	1849	1853	rVV	2514180	3546004	17.17%	1.203%
13	13.910	1853	1857	1864	rVB	1172765	1624016	7.87%	0.551%
14	14.145	1890	1897	1912	rVB2	2882802	5028567	24.35%	1.705%
15	14.451	1938	1949	1955	rBV2	2390461	3799084	18.40%	1.288%
16	14.510	1955	1959	1968	rVB	457032	730015	3.54%	0.248%
17	14.645	1976	1982	1992	rBV	877599	1372716	6.65%	0.466%
18	14.845	2011	2016	2024	rVV	350322	582244	2.82%	0.197%
19	15.239	2075	2083	2091	rBV3	250462	508844	2.46%	0.173%
20	15.445	2110	2118	2123	rVV	3721438	5312265	25.73%	1.802%
21	15.498	2123	2127	2133	rVV2	473770	776868	3.76%	0.263%
22	15.563	2133	2138	2145	rVV	618162	1009836	4.89%	0.342%
23	15.792	2172	2177	2184	rVB	280194	479118	2.32%	0.162%
24	15.939	2197	2202	2210	rVB	265924	513075	2.48%	0.174%
25	16.174	2235	2242	2247	rVB5	196318	422564	2.05%	0.143%
26	16.480	2286	2294	2295	rBV3	160177	312336	1.51%	0.106%
27	16.504	2295	2298	2302	rVV2	207929	298888	1.45%	0.101%
28	16.727	2328	2336	2339	rBV3	265300	508616	2.46%	0.172%
29	16.768	2339	2343	2346	rVV3	245124	368202	1.78%	0.125%
30	16.851	2352	2357	2364	rVB2	480467	722553	3.50%	0.245%
31	16.927	2364	2370	2371	rBV2	252477	359388	1.74%	0.122%
32	16.945	2371	2373	2380	rVV2	287750	456509	2.21%	0.155%
33	17.015	2380	2385	2393	rVB	374844	614213	2.97%	0.208%
34	17.198	2410	2416	2419	rVV	2932525	4297453	20.81%	1.457%

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Misc :
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Instrument : BNA_M
ClientSampleId : C0AB7

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 >
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Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Title : SVOA CALIBRATION

35	17.239	2419	2423	2428	rVV	7917788	10694401	51.79%	3.627%
36	17.292	2428	2432	2436	rVV	3707765	5649895	27.36%	1.916%
37	17.327	2436	2438	2443	rVV	1441984	1738702	8.42%	0.590%
38	17.380	2443	2447	2452	rVB2	151282	302262	1.46%	0.103%
39	17.598	2476	2484	2496	rBV3	597164	1312933	6.36%	0.445%
40	17.715	2501	2504	2508	rVV2	224685	309763	1.50%	0.105%
41	17.774	2510	2514	2522	rVB5	260790	442389	2.14%	0.150%
42	18.068	2559	2564	2566	rVV	1590177	2365691	11.46%	0.802%
43	18.115	2569	2572	2578	rVV	2117675	2975550	14.41%	1.009%
44	18.198	2581	2586	2591	rVV	675450	970140	4.70%	0.329%
45	18.262	2591	2597	2601	rVV2	1838974	3534363	17.12%	1.199%
46	18.298	2601	2603	2609	rVB	1103845	1377110	6.67%	0.467%
47	18.380	2613	2617	2620	rVV3	253339	365838	1.77%	0.124%
48	18.568	2645	2649	2653	rVV	1071038	1557765	7.54%	0.528%
49	18.615	2653	2657	2666	rVV	1168323	1726219	8.36%	0.585%
50	18.815	2687	2691	2695	rVV2	539197	736869	3.57%	0.250%
51	18.868	2696	2700	2703	rVV	415250	564904	2.74%	0.192%
52	18.903	2703	2706	2710	rVB	400937	474276	2.30%	0.161%
53	18.986	2715	2720	2726	rVV	1165896	2246949	10.88%	0.762%
54	19.045	2727	2730	2734	rVV2	568388	1096235	5.31%	0.372%
55	19.080	2734	2736	2740	rVV	462182	507399	2.46%	0.172%
56	19.127	2740	2744	2752	rVB2	1010271	1780555	8.62%	0.604%
57	19.256	2760	2766	2772	rVB	15517024	20648544	100.00%	7.002%
58	19.315	2772	2776	2779	rBV	335025	436531	2.11%	0.148%
59	19.362	2779	2784	2788	rBV3	767680	1230629	5.96%	0.417%
60	19.451	2794	2799	2802	rBV3	466428	721577	3.49%	0.245%
61	19.498	2804	2807	2810	rVB	374829	459399	2.22%	0.156%
62	19.586	2817	2822	2824	rBV3	6585608	9282721	44.96%	3.148%
63	19.621	2824	2828	2835	rVV	12879374	18231337	88.29%	6.183%
64	19.686	2835	2839	2845	rVB3	1026160	1548622	7.50%	0.525%
65	19.792	2853	2857	2862	rVB	838191	1137218	5.51%	0.386%
66	19.850	2863	2867	2872	rBV3	473347	704467	3.41%	0.239%
67	19.939	2876	2882	2883	rBV2	1297266	2121089	10.27%	0.719%
68	20.068	2900	2904	2907	rBV4	867271	1642064	7.95%	0.557%
69	20.109	2907	2911	2916	rVB	1824440	2945571	14.27%	0.999%
70	20.209	2924	2928	2931	rBV	897594	1159797	5.62%	0.393%
71	20.262	2931	2937	2942	rVV2	1496381	2534882	12.28%	0.860%

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Instrument : BNA_M
ClientSampleId : C0AB7

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Title : SVOA CALIBRATION

72	20.303	2942	2944	2948	rVB	539328	579994	2.81%	0.197%
73	20.345	2948	2951	2956	rBV2	354293	495817	2.40%	0.168%
74	20.403	2957	2961	2965	rBV	973625	1426423	6.91%	0.484%
75	20.450	2965	2969	2973	rBV2	1015858	1405185	6.81%	0.477%
76	20.856	3034	3038	3044	rVB	1975417	2717727	13.16%	0.922%
77	21.021	3059	3066	3069	rBV2	1496088	2869034	13.89%	0.973%
78	21.062	3069	3073	3074	rVV	1619096	2142386	10.38%	0.727%
79	21.080	3074	3076	3084	rVV3	1824054	4153506	20.12%	1.409%
80	21.150	3084	3088	3094	rVB2	1926580	2774030	13.43%	0.941%
81	21.362	3119	3124	3129	rBV3	9964105	17695166	85.70%	6.001%
82	21.415	3129	3133	3142	rVB	8326463	11668639	56.51%	3.957%
83	21.527	3148	3152	3158	rVB2	1186901	1849163	8.96%	0.627%
84	21.592	3159	3163	3166	rBV4	478454	869256	4.21%	0.295%
85	21.692	3175	3180	3184	rBV3	917331	1573029	7.62%	0.533%
86	21.733	3185	3187	3191	rVV2	361275	410334	1.99%	0.139%
87	21.927	3217	3220	3224	rVV	1356744	1567588	7.59%	0.532%
88	21.980	3224	3229	3236	rVB3	1262671	2560008	12.40%	0.868%
89	22.133	3251	3255	3257	rBV	729210	947464	4.59%	0.321%
90	22.233	3268	3272	3280	rBV4	613996	1304342	6.32%	0.442%
91	22.974	3390	3398	3403	rBV	6685050	17226606	83.43%	5.842%
92	23.144	3423	3427	3433	rVB	1132502	1801454	8.72%	0.611%
93	23.462	3476	3481	3486	rBV	3192983	6146365	29.77%	2.084%
94	23.521	3486	3491	3494	rVV2	3059450	6271827	30.37%	2.127%
95	23.562	3494	3498	3505	rVB	5643326	10295539	49.86%	3.491%
96	23.662	3509	3515	3519	rVV	2291750	4345346	21.04%	1.474%
97	23.709	3519	3523	3532	rVB2	1557344	3153123	15.27%	1.069%
98	24.197	3602	3606	3616	rVB2	978225	2093745	10.14%	0.710%
99	25.979	3901	3909	3922	rVB2	2914503	8488459	41.11%	2.879%
100	26.691	4023	4030	4038	rVB2	1393356	3690660	17.87%	1.252%

Sum of corrected areas: 294878442

LSC Report - Integrated Chromatogram

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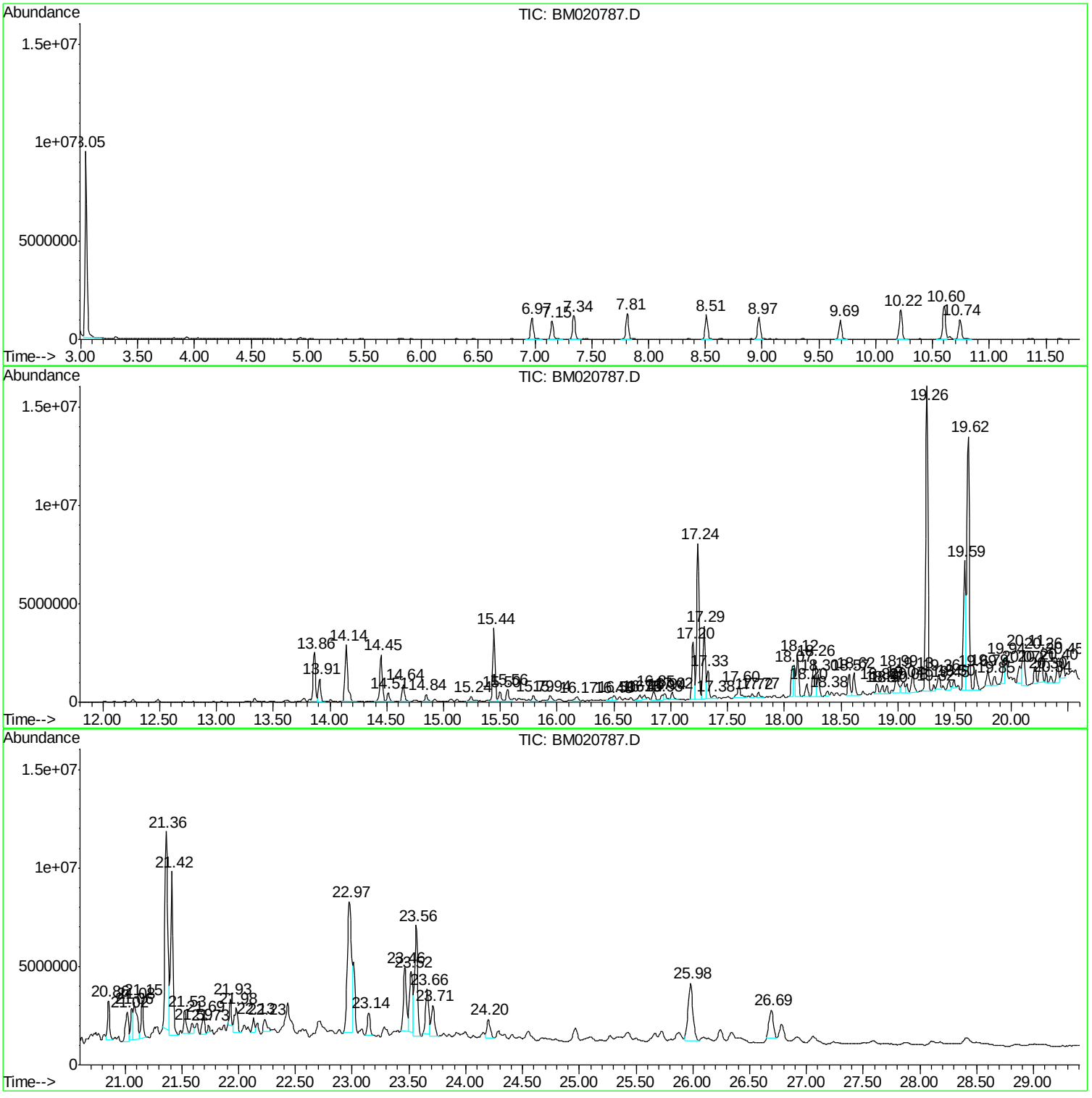
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.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\BM060619\
Data File : BM020787.D
Acq On : 07 Jun 2019 05:26
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Instrument : BNA_M
ClientSampleId : C0AB7

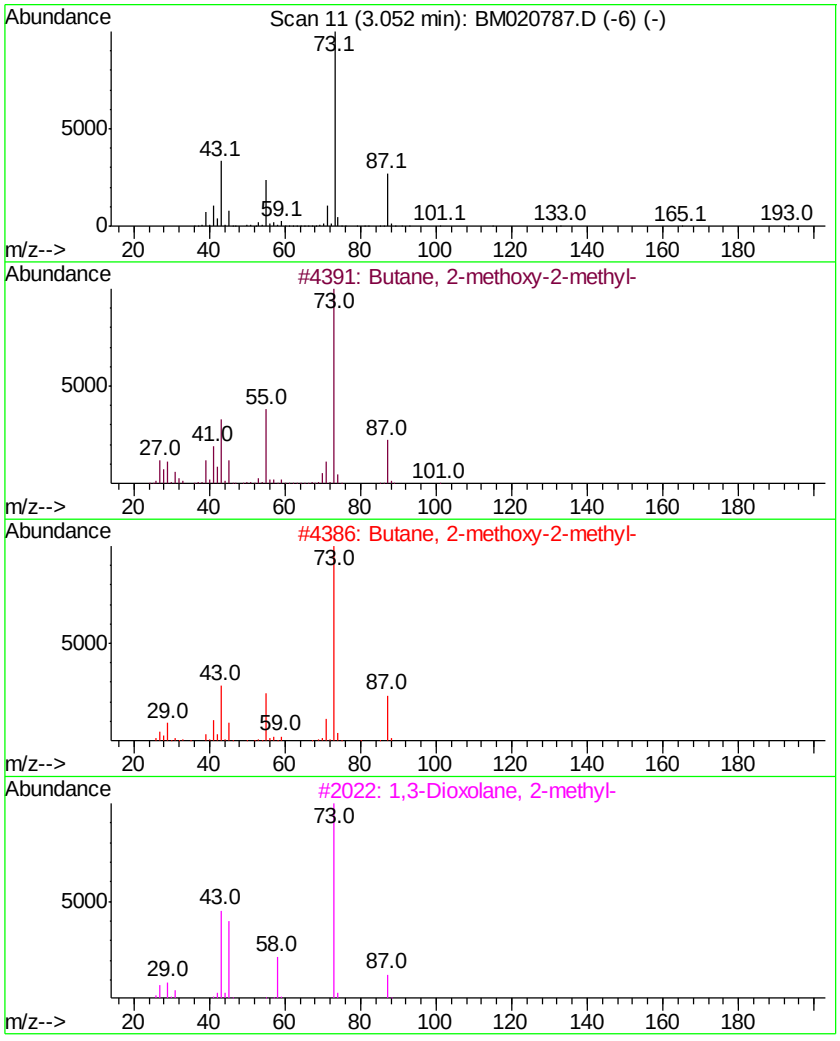
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

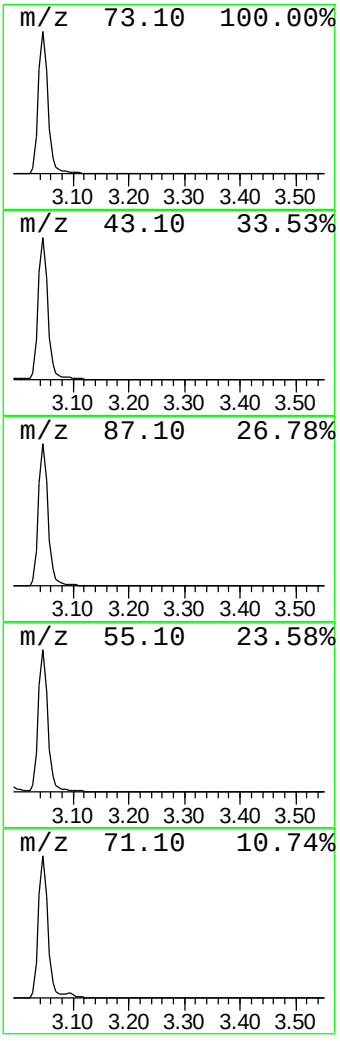
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	109.91 ng/ul	11234500	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





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Instrument : BNA_M
ClientSampleId : C0AB7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

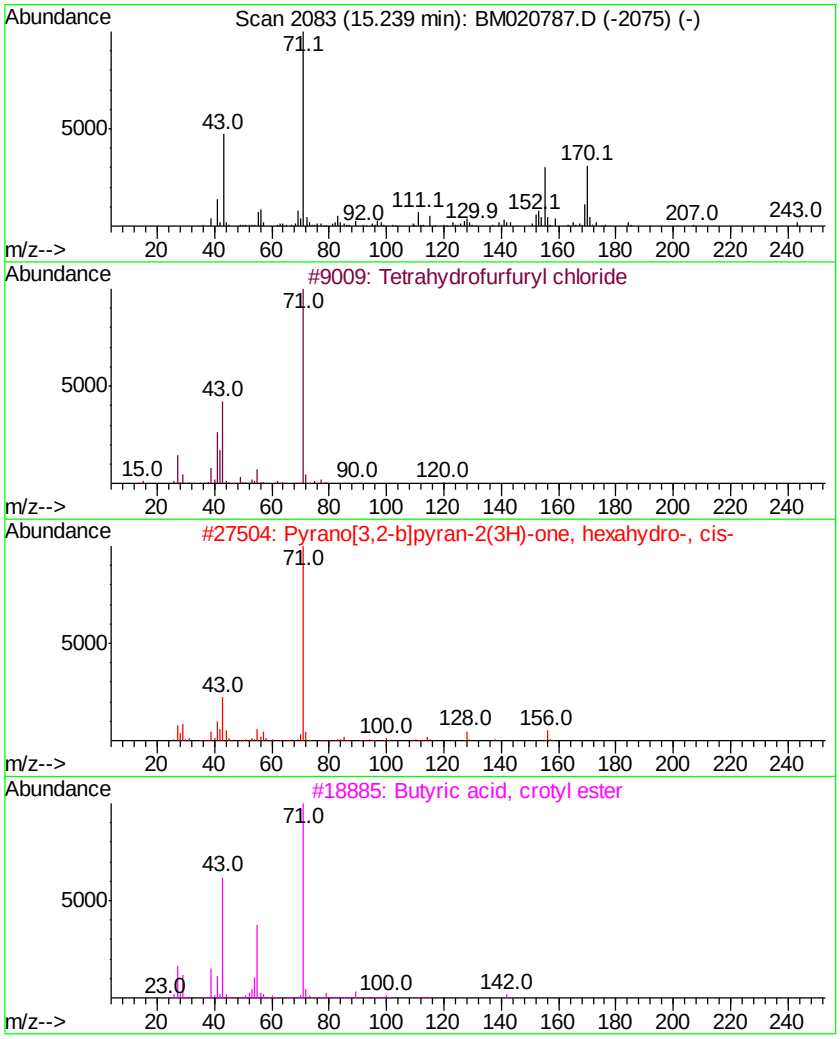
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

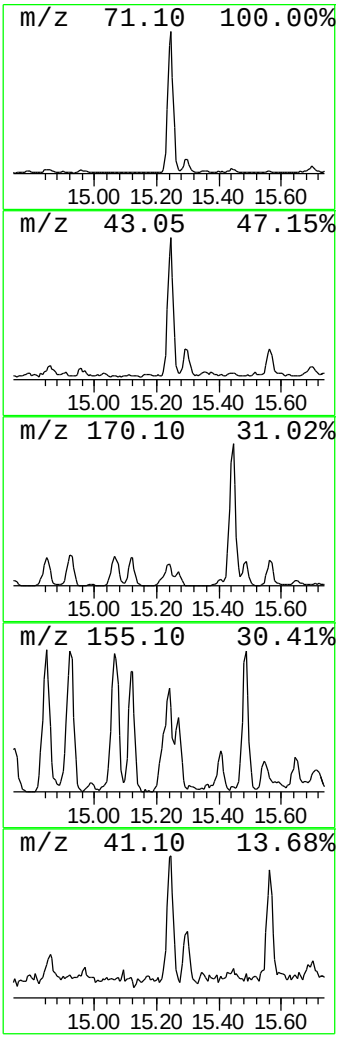
****

Peak Number 2 unknown-01 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	2.68 ng/ul	508844	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrahydrofurfuryl chloride	120	C5H9ClO	003003-84-7	38
2	Pyrano[3,2-b]pyran-2(3H)-one, he...	156	C8H12O3	060378-32-7	38
3	Butyric acid, crotyl ester	142	C8H14O2	020279-26-9	38
4	2,2,4-Trimethyl-1,3-pentanediol ...	286	C16H30O4	006846-50-0	32
5	Butanoic acid, 2-butoxy-1-methyl...	216	C11H20O4	007492-70-8	32





Library Search Compound Report

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

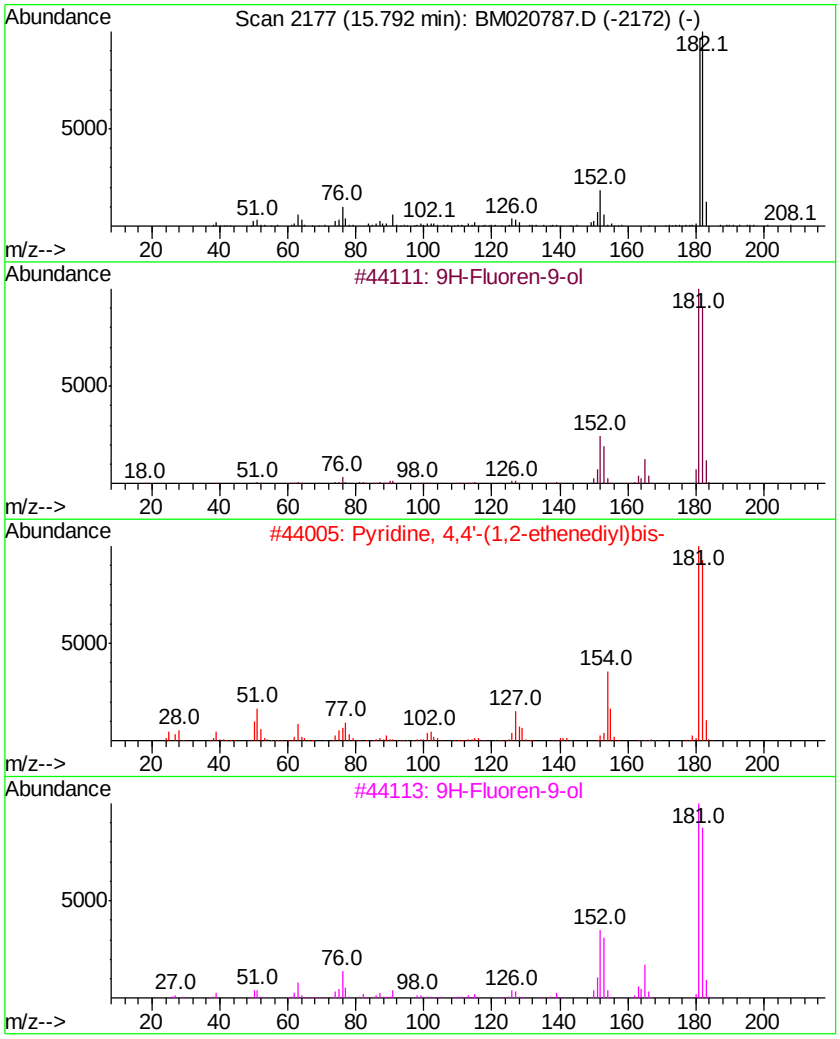
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

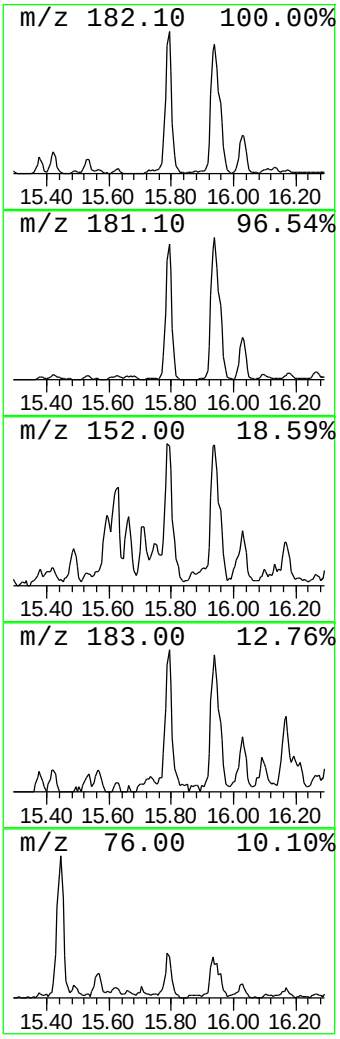
****

Peak Number 3 9H-Fluoren-9-ol Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	2.52 ng/ul	479118	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
2	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64





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Instrument : BNA_M
ClientSampleId : C0AB7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

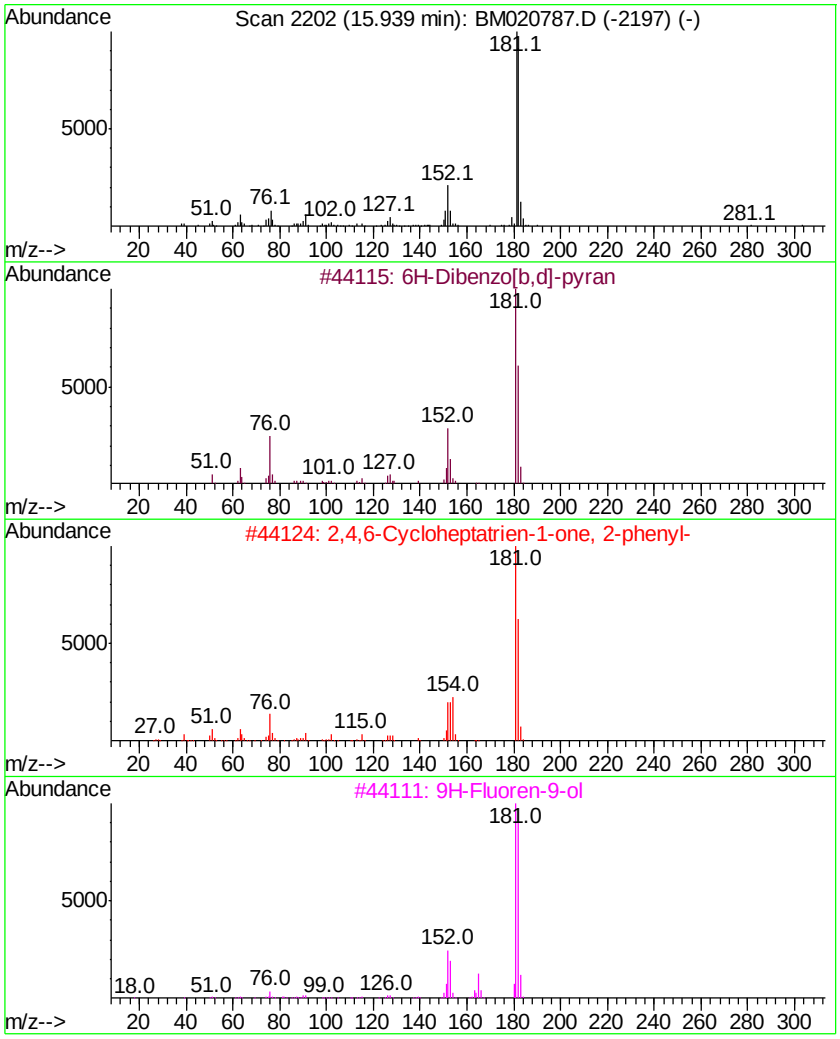
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

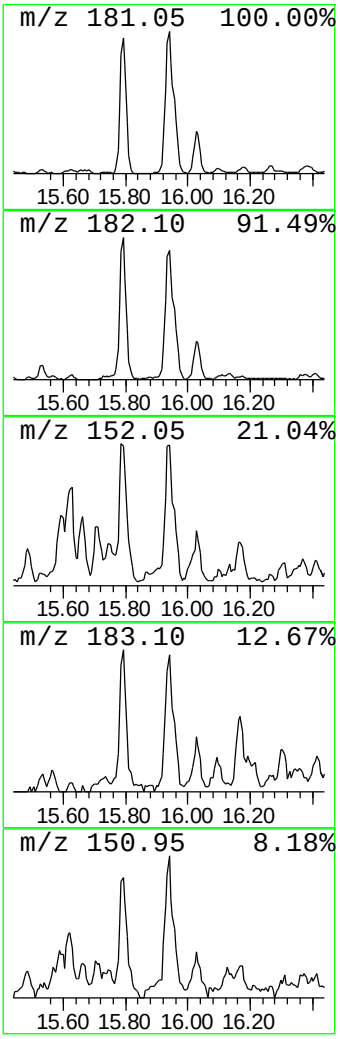
****

Peak Number 4 6H-Dibenzo[b,d]-pyran Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	2.39 ng/ul	513075	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





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Sample : K3201-06
Misc :
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Instrument : BNA_M
ClientSampleId : C0AB7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

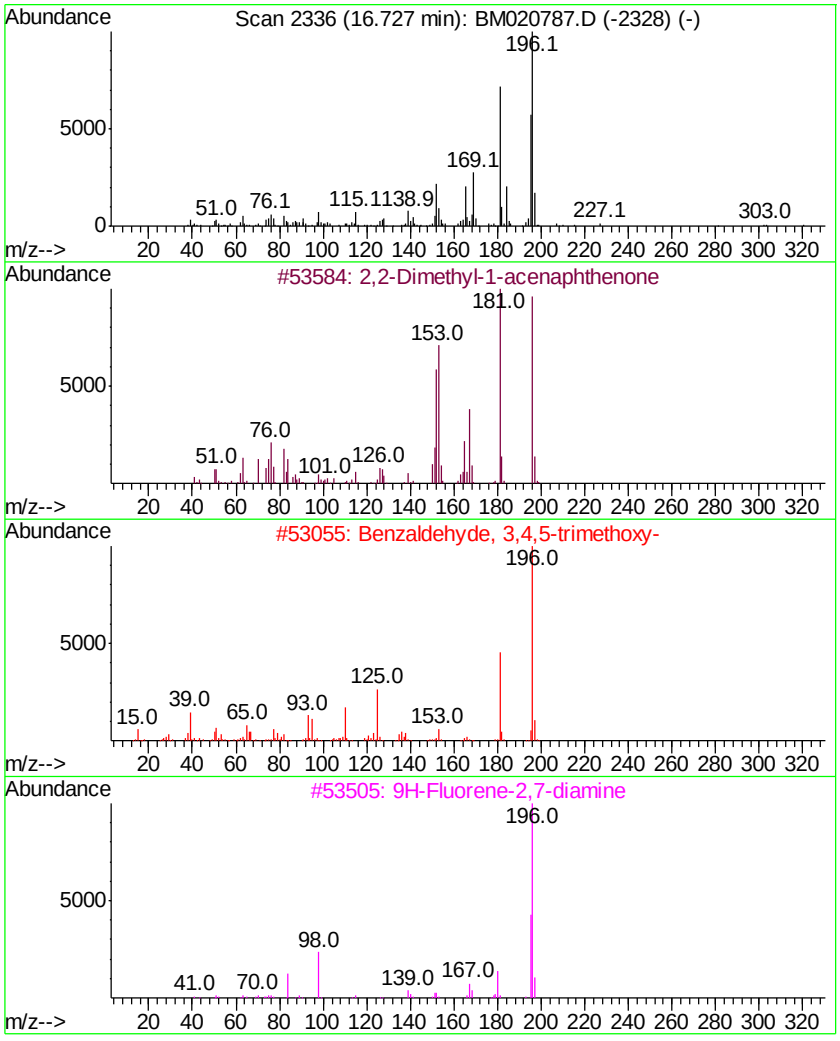
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

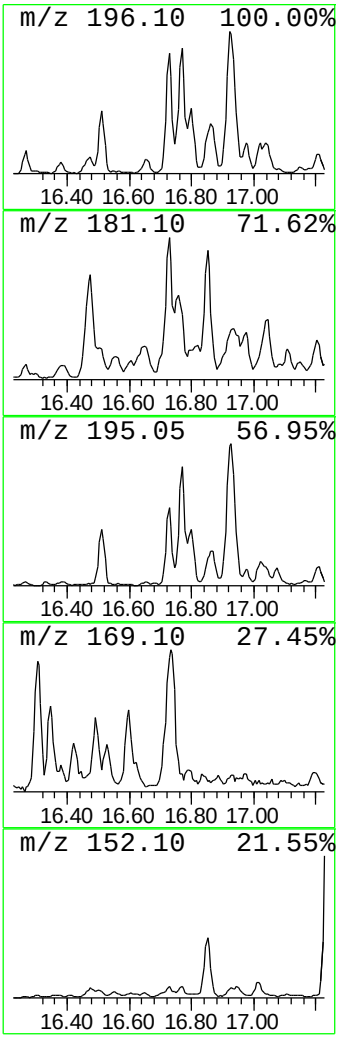
****

Peak Number 5 2,2-Dimethyl-1-acenaphthenone Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	2.37 ng/ul	508616	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	55
2	Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	46
3	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	43
4	p-Toluenesulfonamide, N-(xanthen...	351	C20H17NO3S	006326-06-3	43
5	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	43





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Quant Title : SVOA CALIBRATION

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

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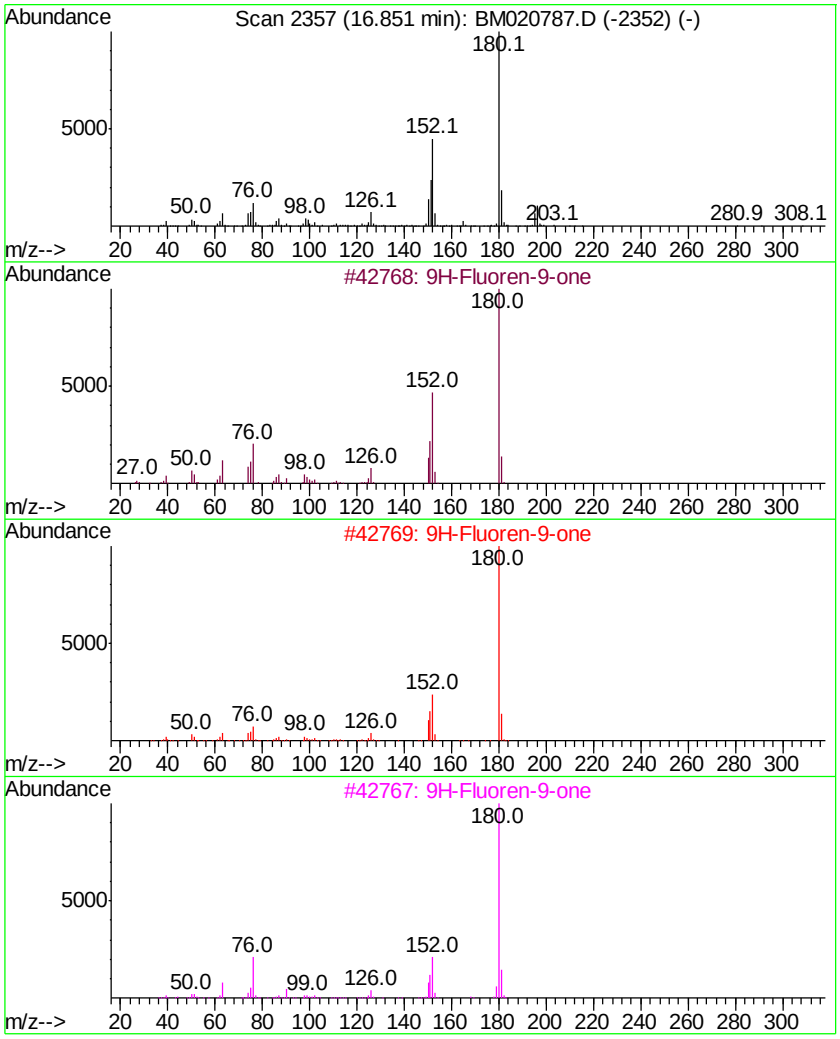
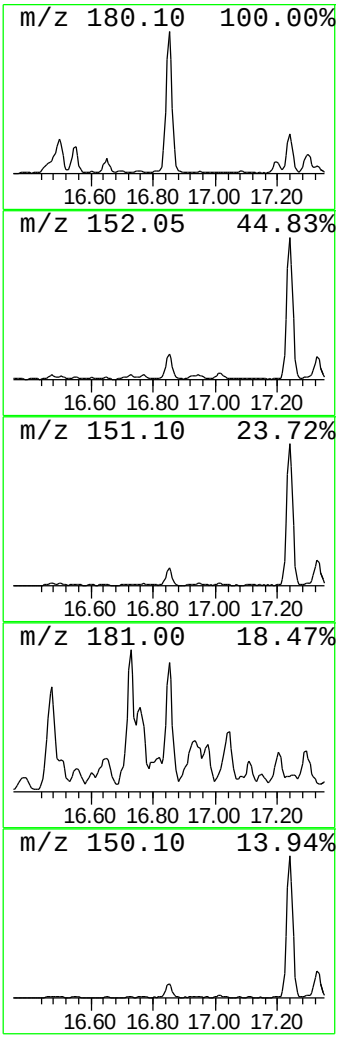
Peak Number 6 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	3.36 ng/ul	722553	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83





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Instrument : BNA_M
ClientSampleId : C0AB7

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Quant Title : SVOA CALIBRATION

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

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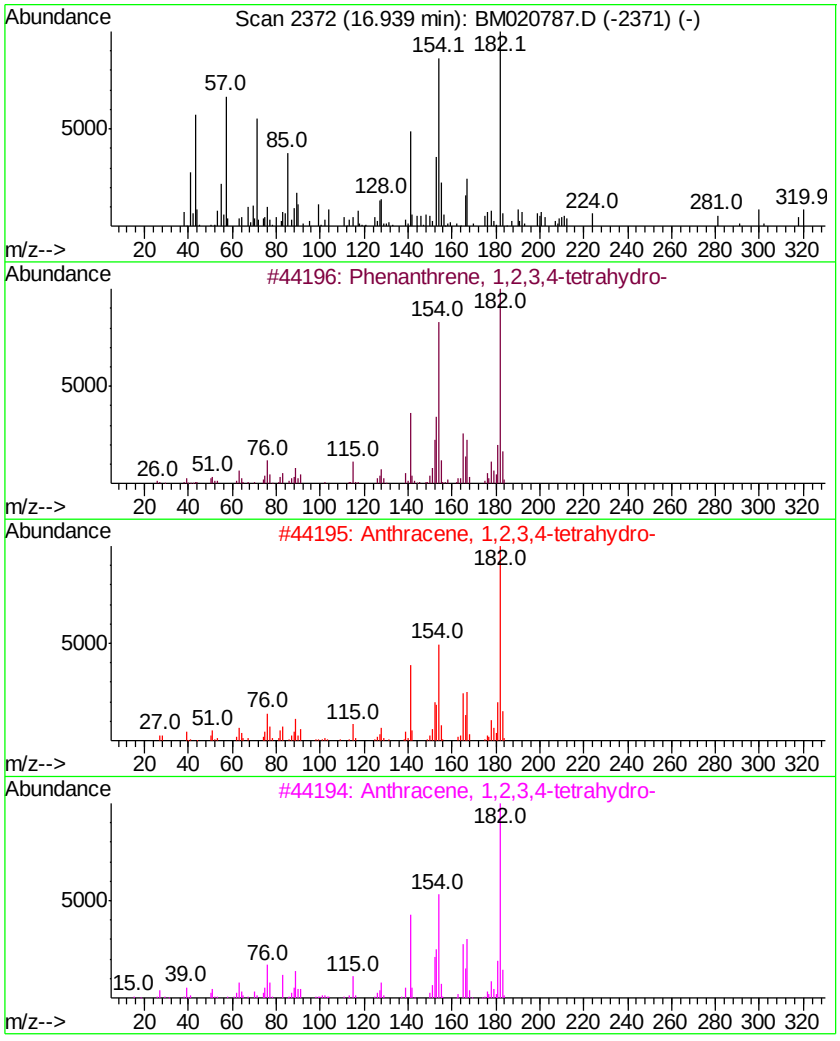
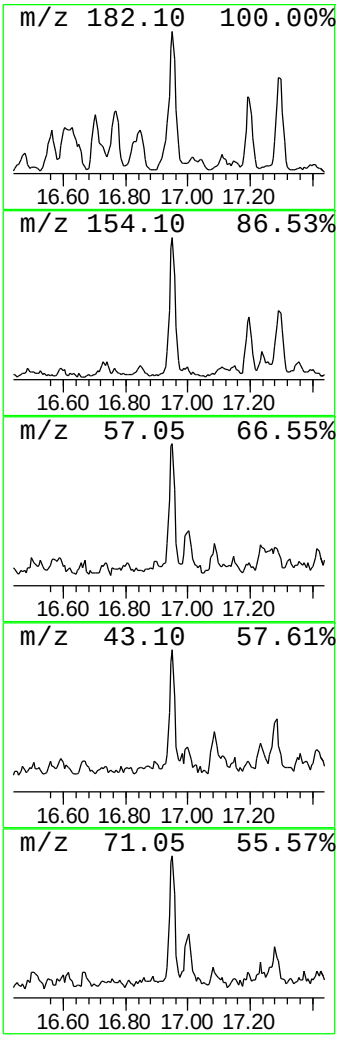
Peak Number 7 Phenanthrene, 1,2,3,4-tetra... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.94	2.12 ng/ul	456509	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	64
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	59
3	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	46
4	Benzenamine, 4-ethoxy-2-nitro-	182	C8H10N2O3	000616-86-4	46
5	1,2-Acenaphthylenedione	182	C12H6O2	000082-86-0	38





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ClientSampleId : C0AB7

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Quant Title : SVOA CALIBRATION

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

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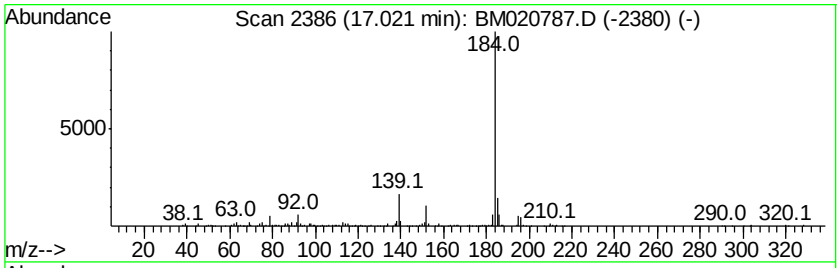
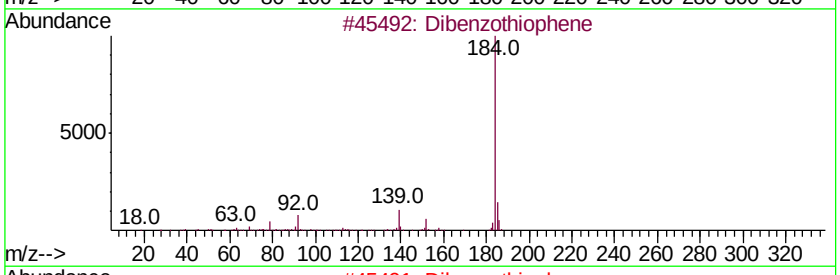
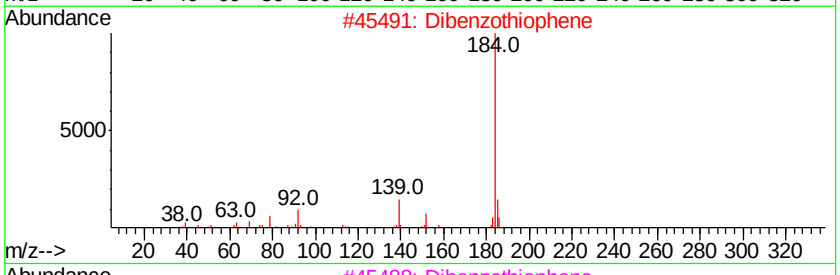
Peak Number 8 Dibenzothiophene Concentration Rank 24

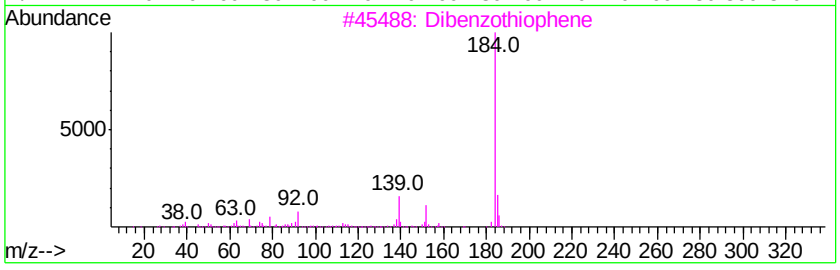
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	2.86 ng/ul	614213	Phenanthrene-d10	17.20

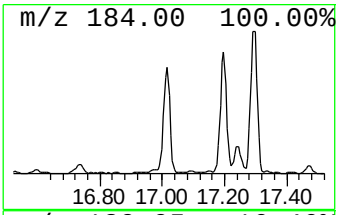
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91

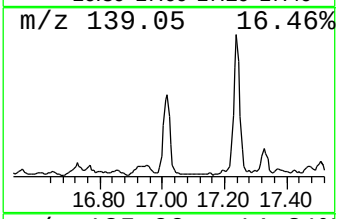


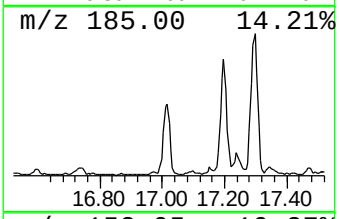


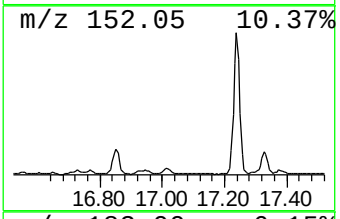


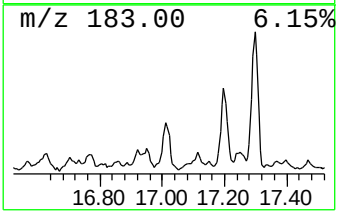












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Sample : K3201-06
Misc :
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Instrument : BNA_M
ClientSampleId : C0AB7

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Quant Title : SVOA CALIBRATION

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

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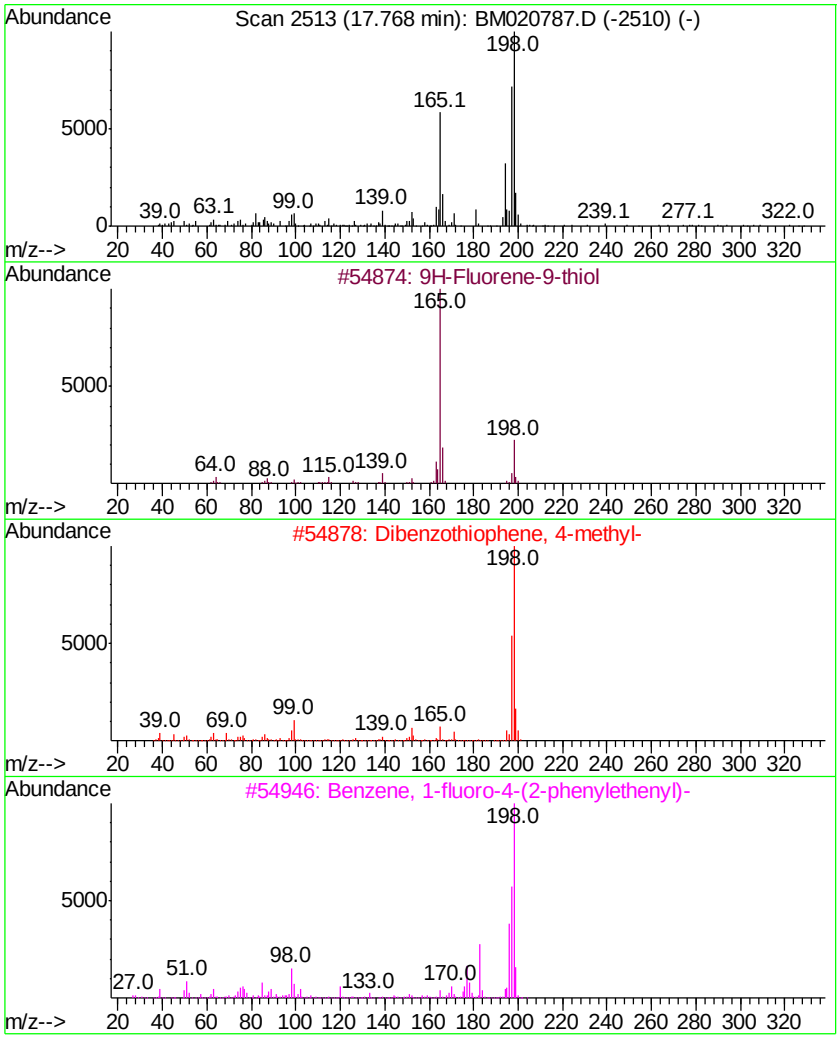
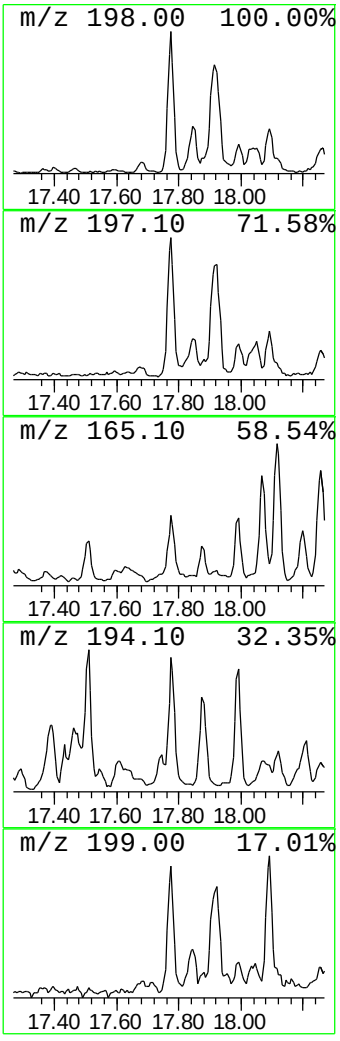
Peak Number 9 9H-Fluorene-9-thiol Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	2.06 ng/ul	442389	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene-9-thiol	198	C13H10S	019552-08-0	52
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	46
3	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	46
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	46
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	43





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ClientSampleId : C0AB7

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Quant Title : SVOA CALIBRATION

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

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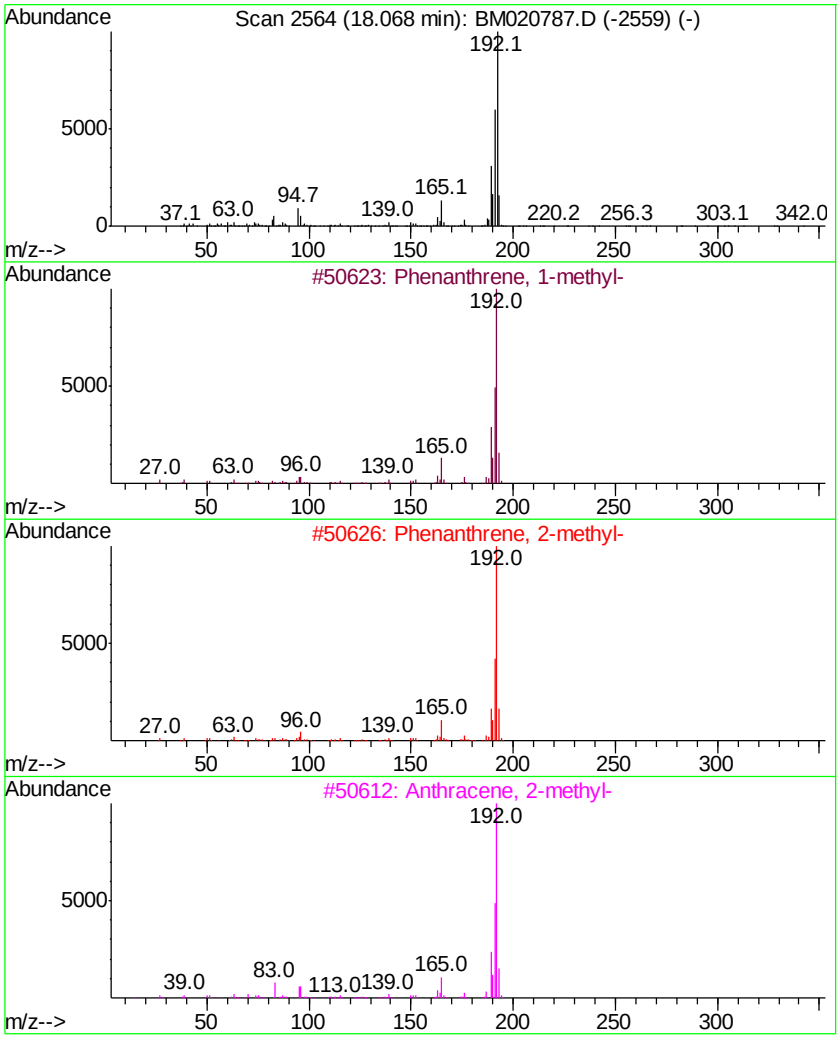
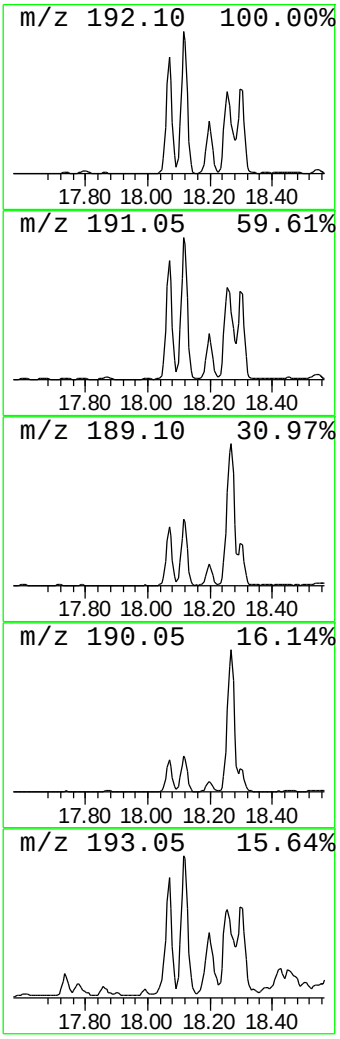
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	11.01 ng/ul	2365690	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Quant Title : SVOA CALIBRATION

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

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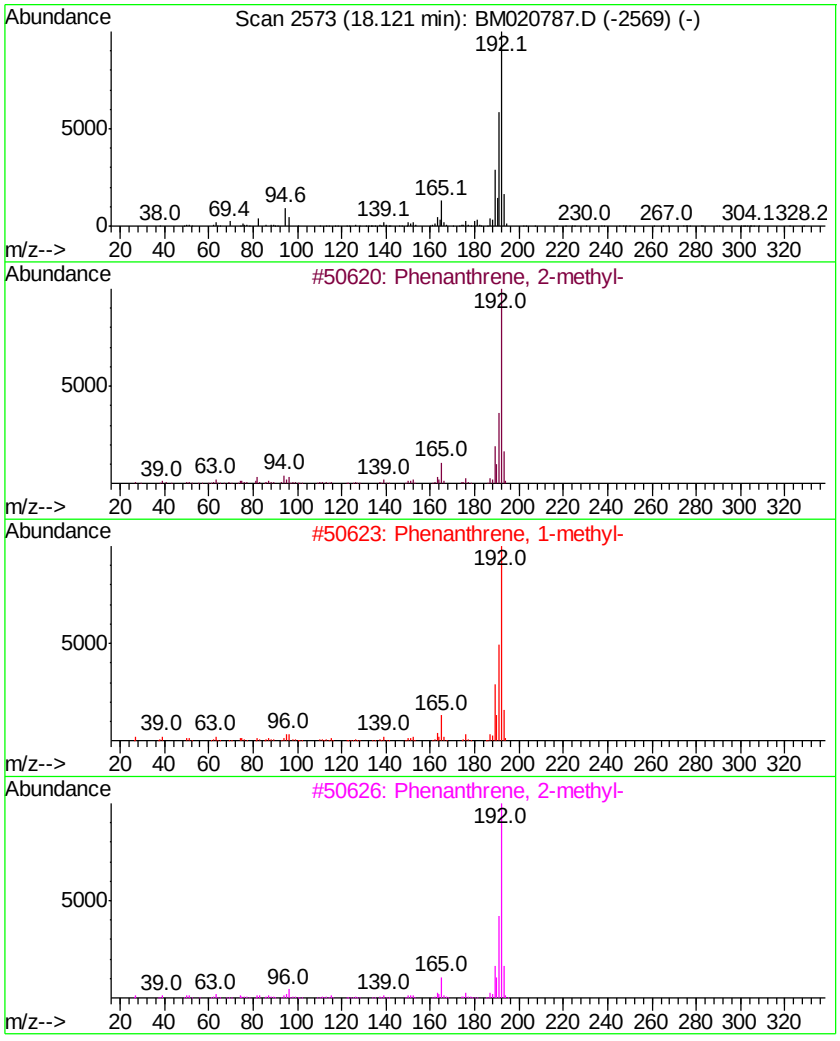
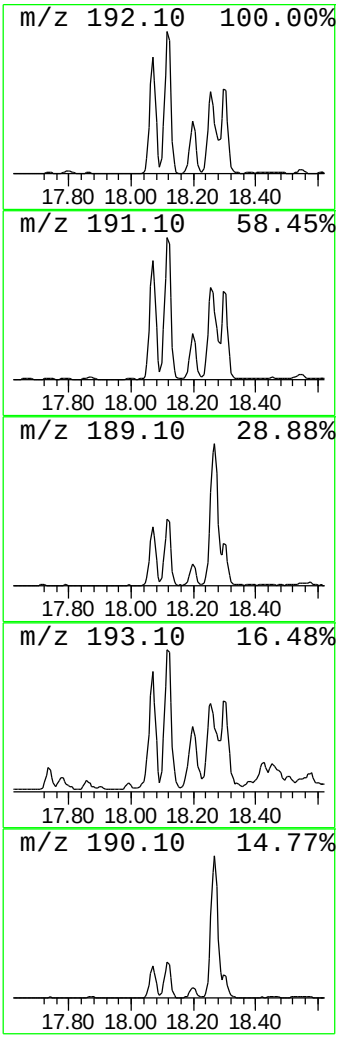
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	13.85 ng/ul	2975550	Phenanthrene-d10	17.20

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	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Quant Title : SVOA CALIBRATION

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

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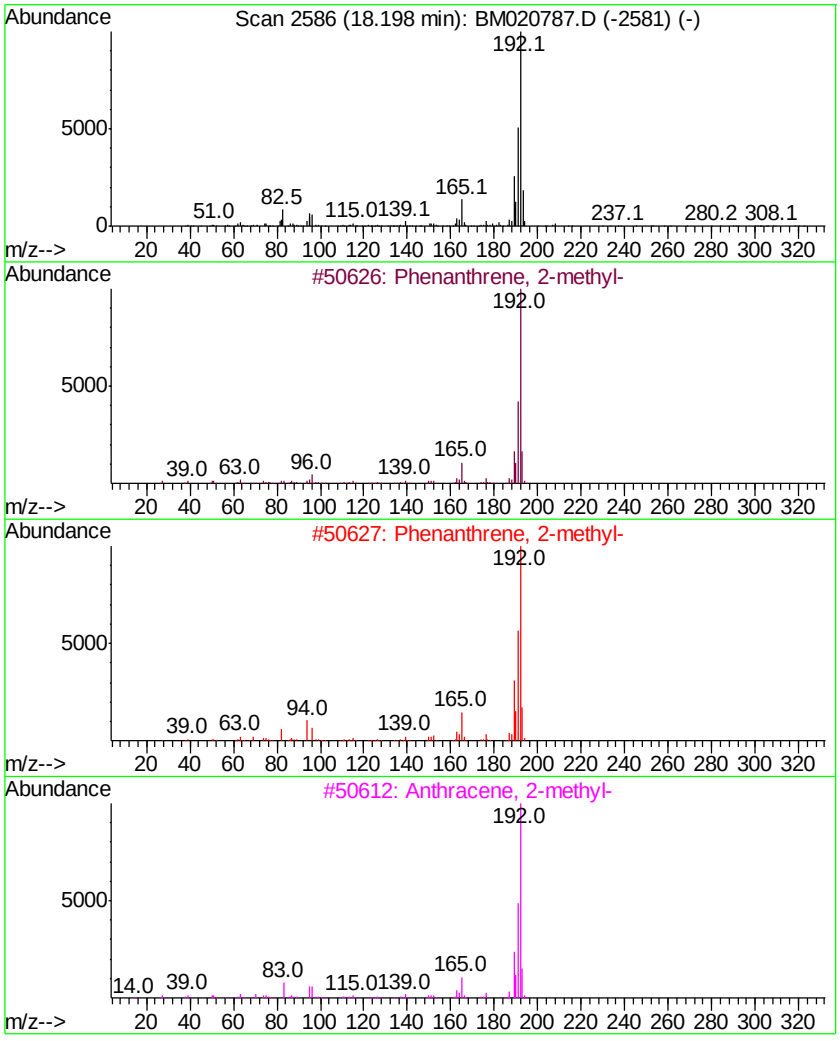
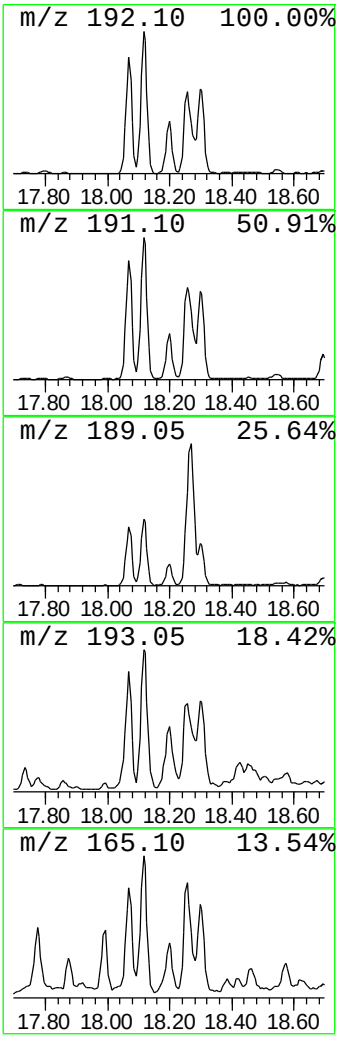
Peak Number 12 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	4.51 ng/ul	970140	Phenanthrene-d10	17.20

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





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Quant Title : SVOA CALIBRATION

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

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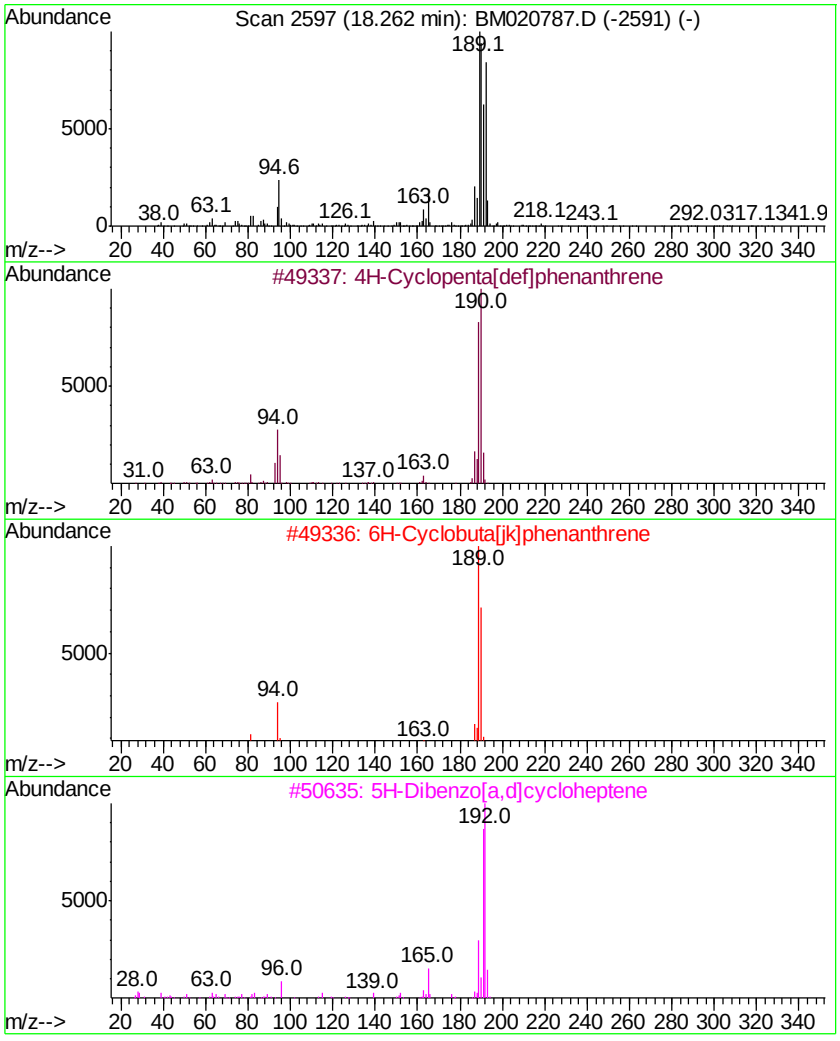
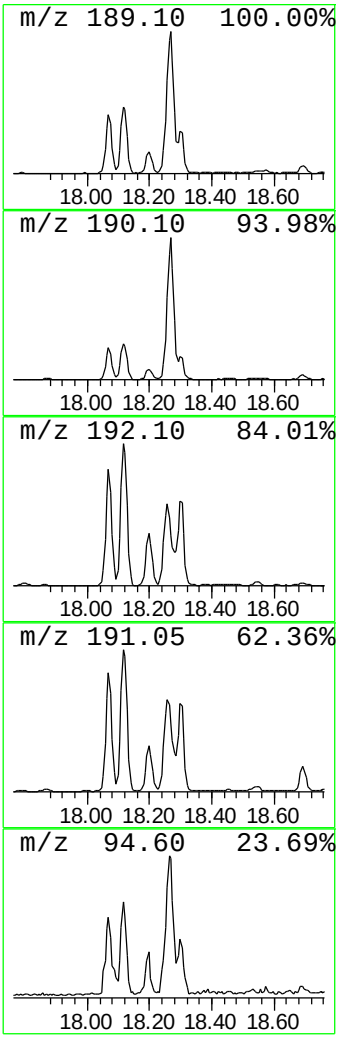
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	16.45 ng/ul	3534360	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38





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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, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	6.41 ng/ul	1377110	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
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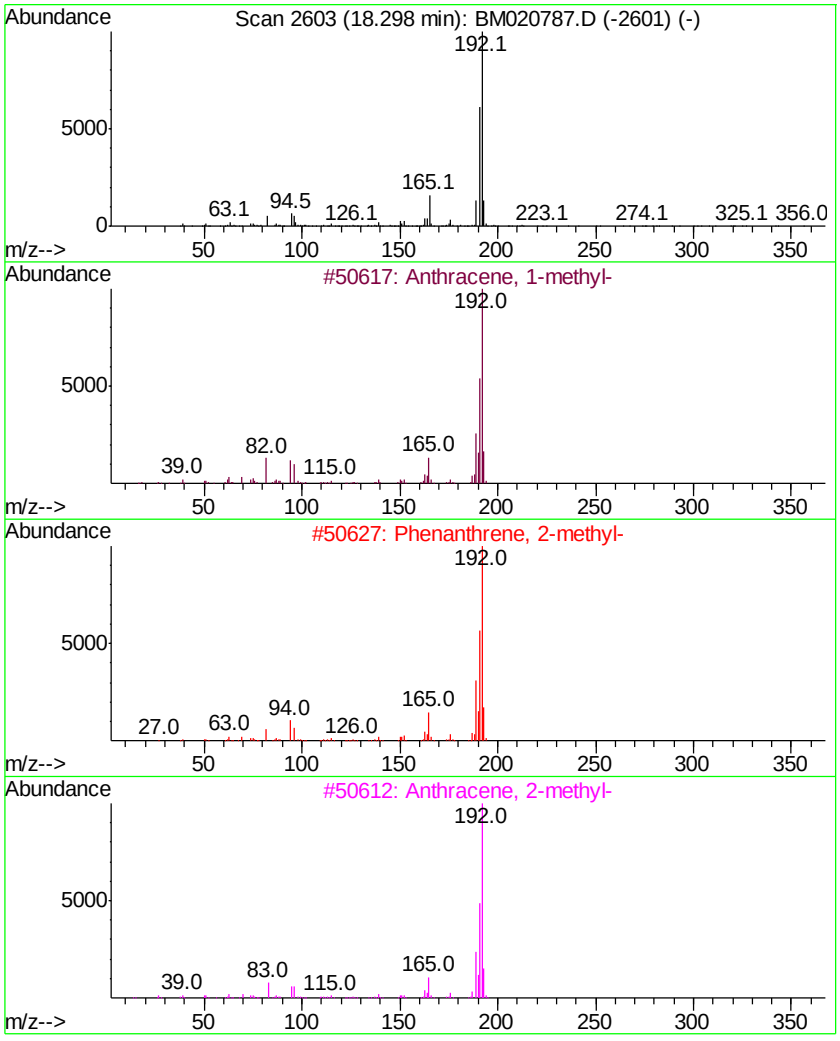

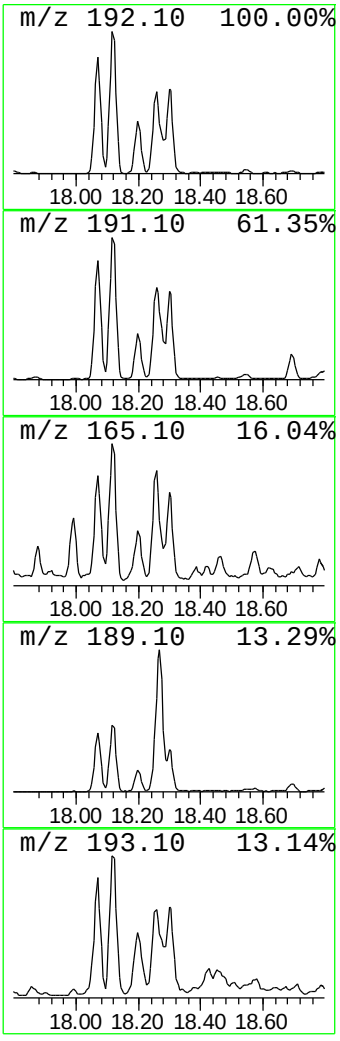

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Quant Title : SVOA CALIBRATION

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

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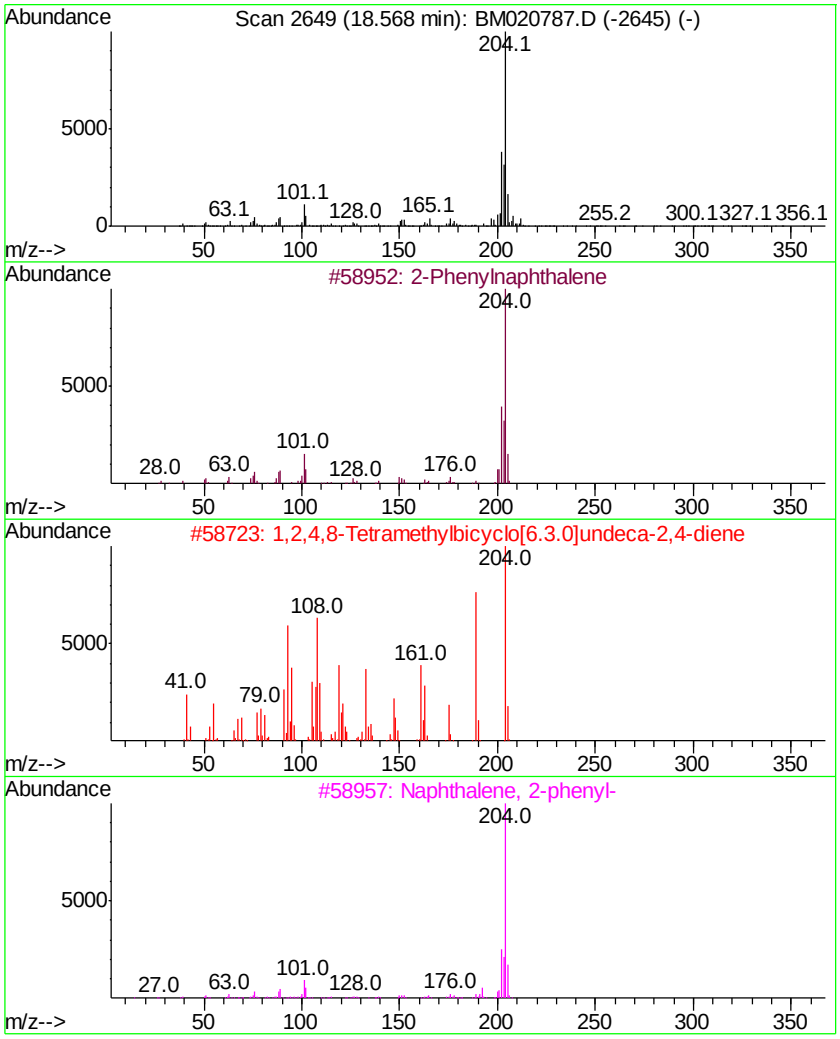
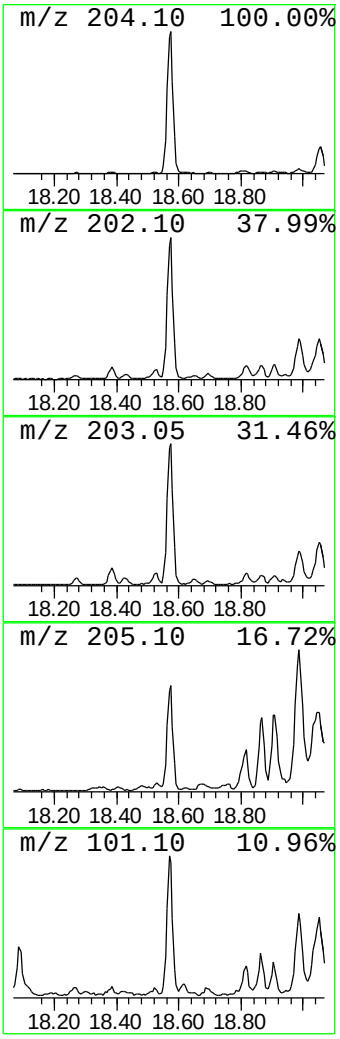
Peak Number 15 2-Phenylnaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	7.25 ng/ul	1557770	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	91
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	89
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87





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Acq On : 07 Jun 2019 05:26
Operator : HP/JU
Sample : K3201-06
Misc :
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Instrument : BNA_M
ClientSampleId : C0AB7

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Quant Title : SVOA CALIBRATION

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

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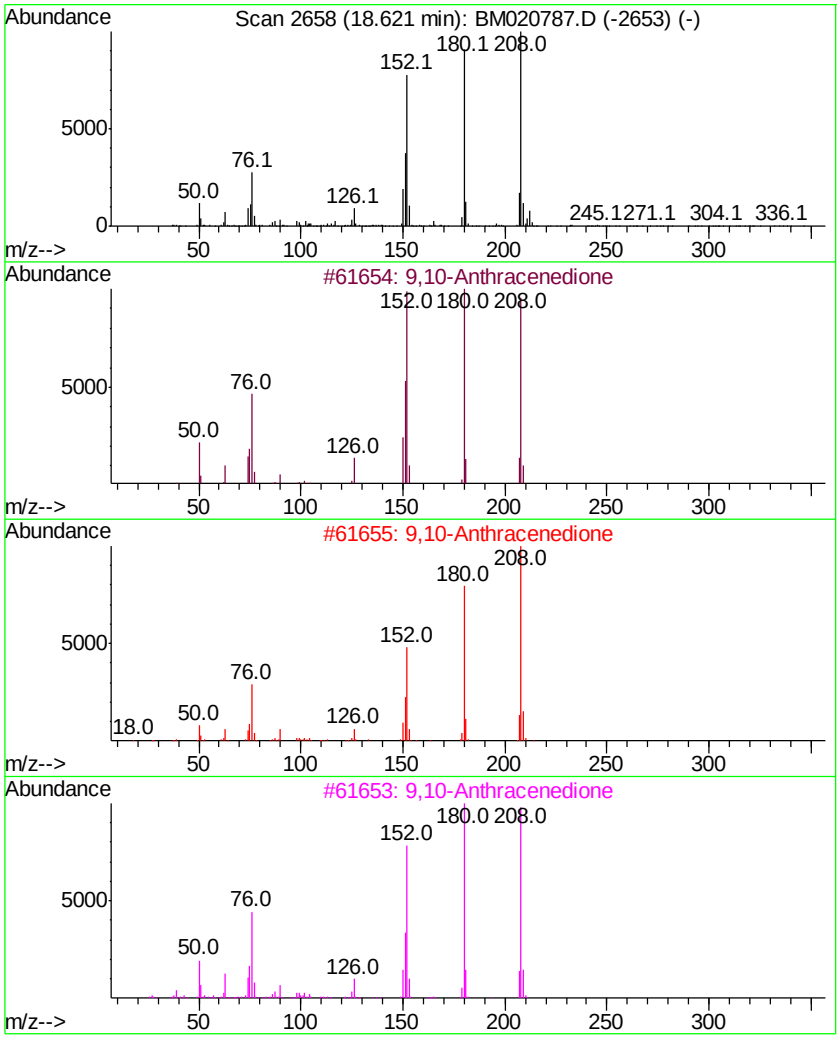
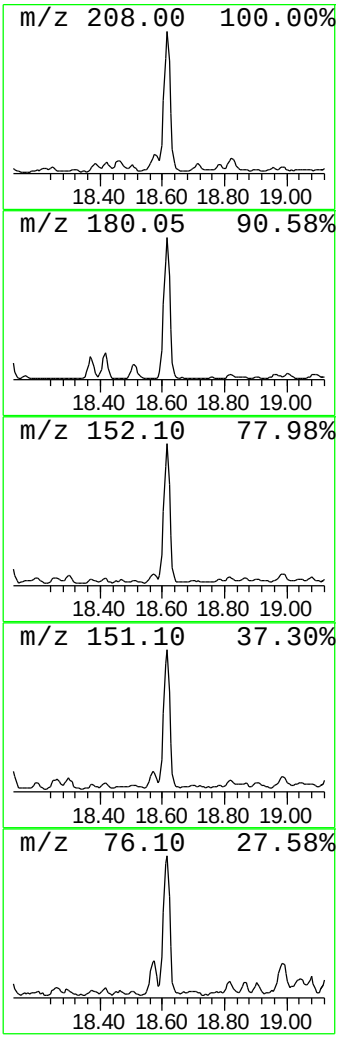
Peak Number 16 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	8.03 ng/ul	1726220	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83





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Instrument : BNA_M
ClientSampleId : C0AB7

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Quant Title : SVOA CALIBRATION

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

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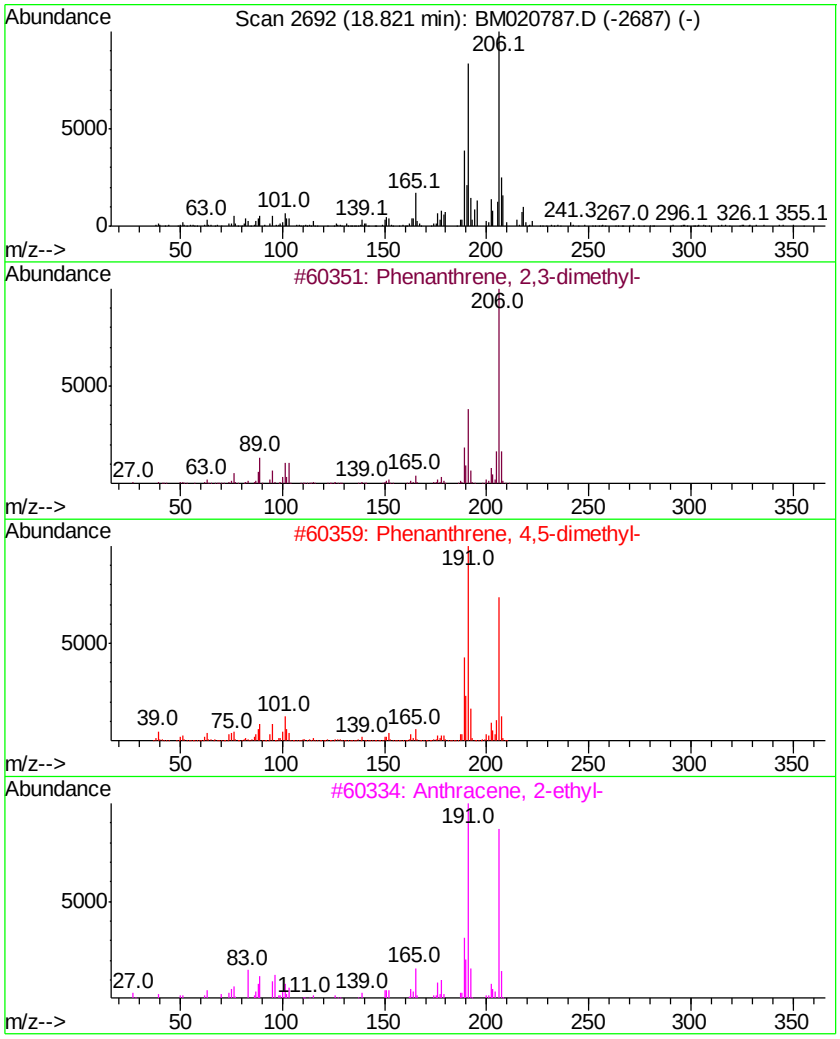
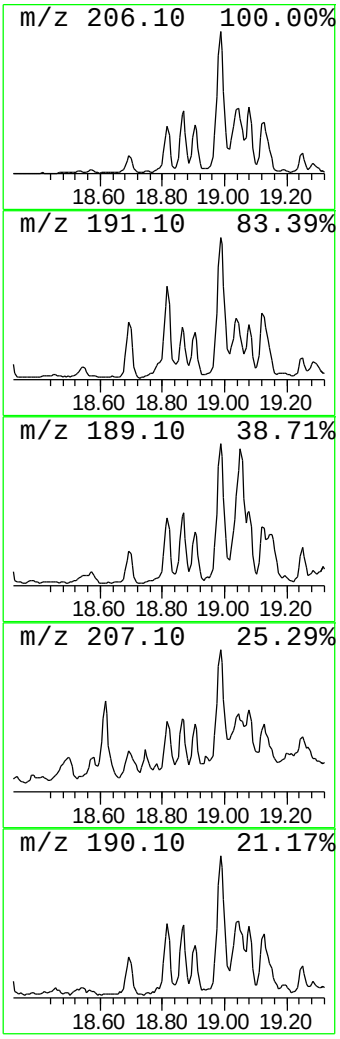
Peak Number 17 Phenanthrene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	3.43 ng/ul	736869	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90





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Instrument : BNA_M
ClientSampleId : C0AB7

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Quant Title : SVOA CALIBRATION

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

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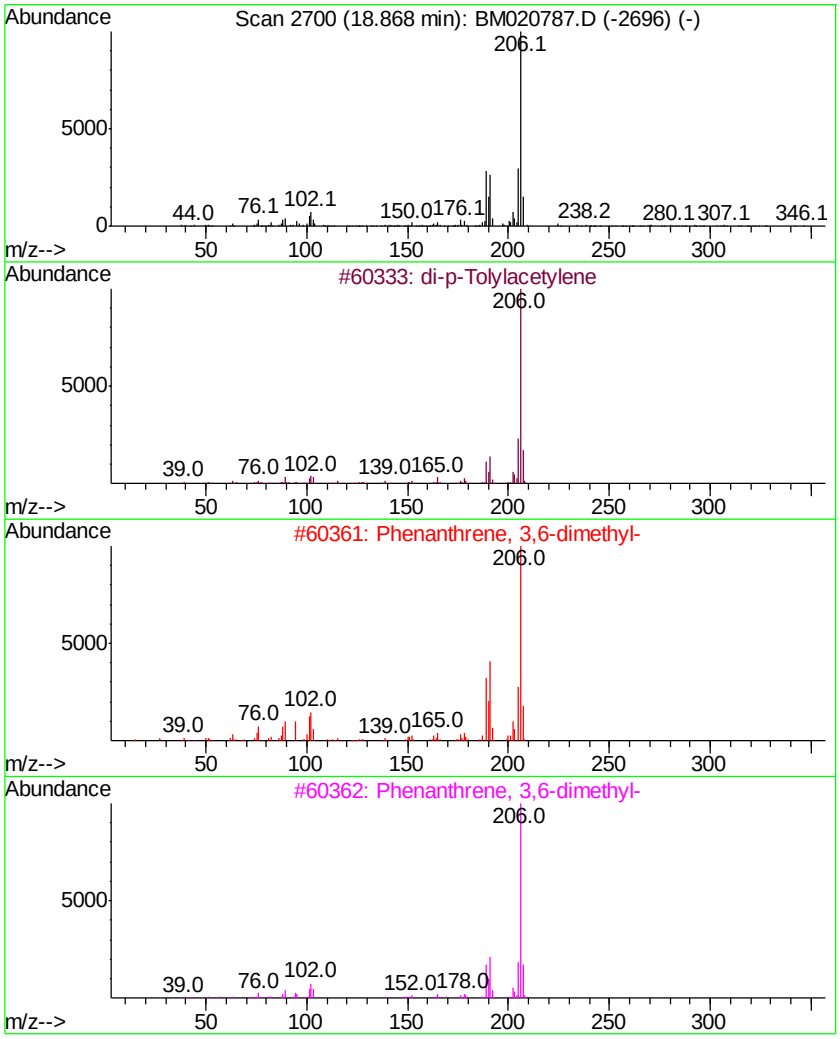
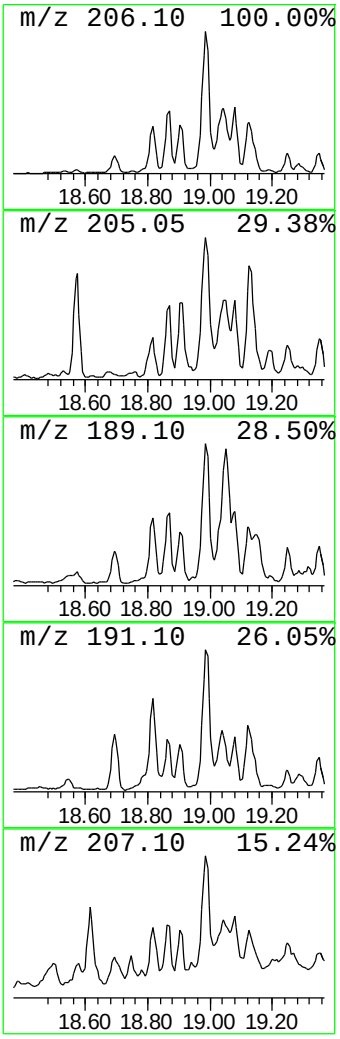
Peak Number 18 di-p-Tolylacetylene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.63 ng/ul	564904	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81





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Instrument : BNA_M
ClientSampleId : C0AB7

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Quant Title : SVOA CALIBRATION

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

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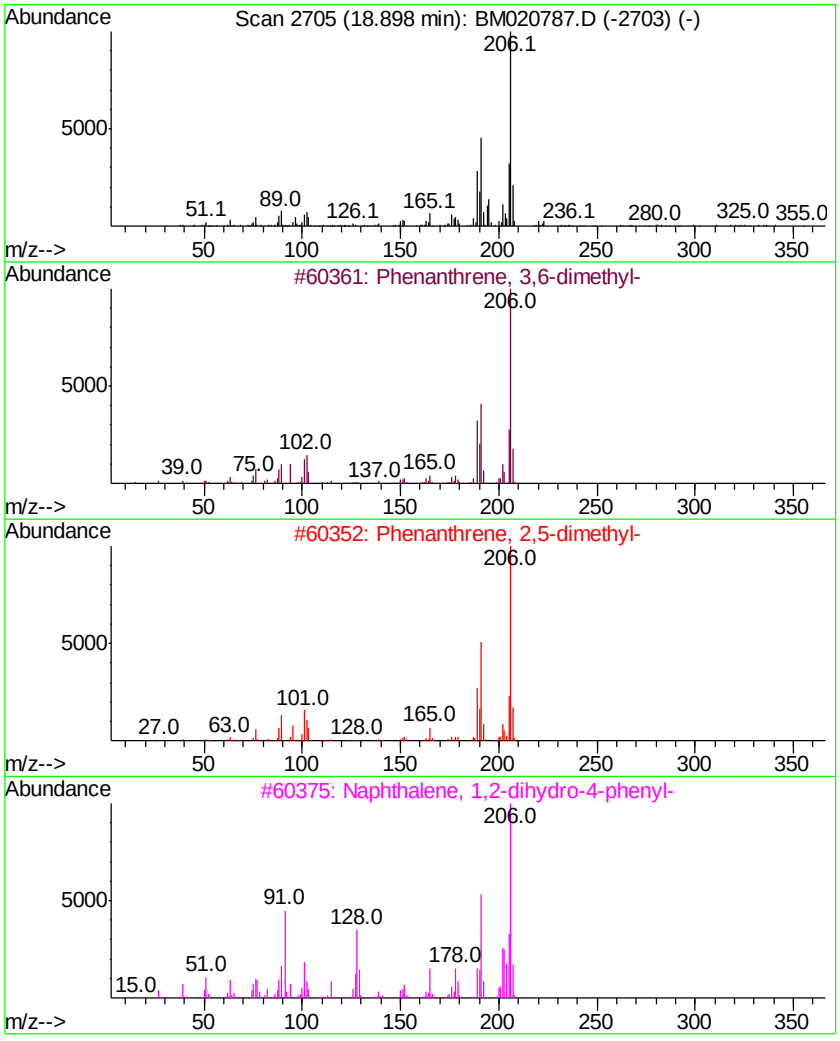
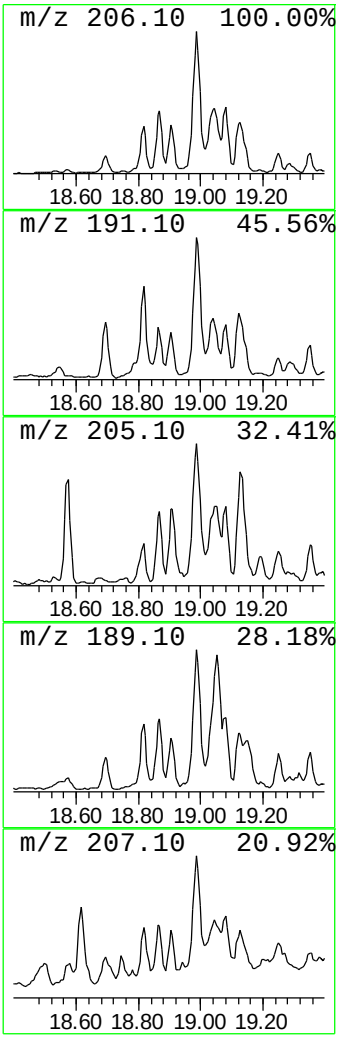
Peak Number 19 Phenanthrene, 3,6-dimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	2.21 ng/ul	474276	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	81
4	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	81
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	80





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Operator : HP/JU
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Misc :
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ClientSampleId : C0AB7

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Quant Title : SVOA CALIBRATION

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

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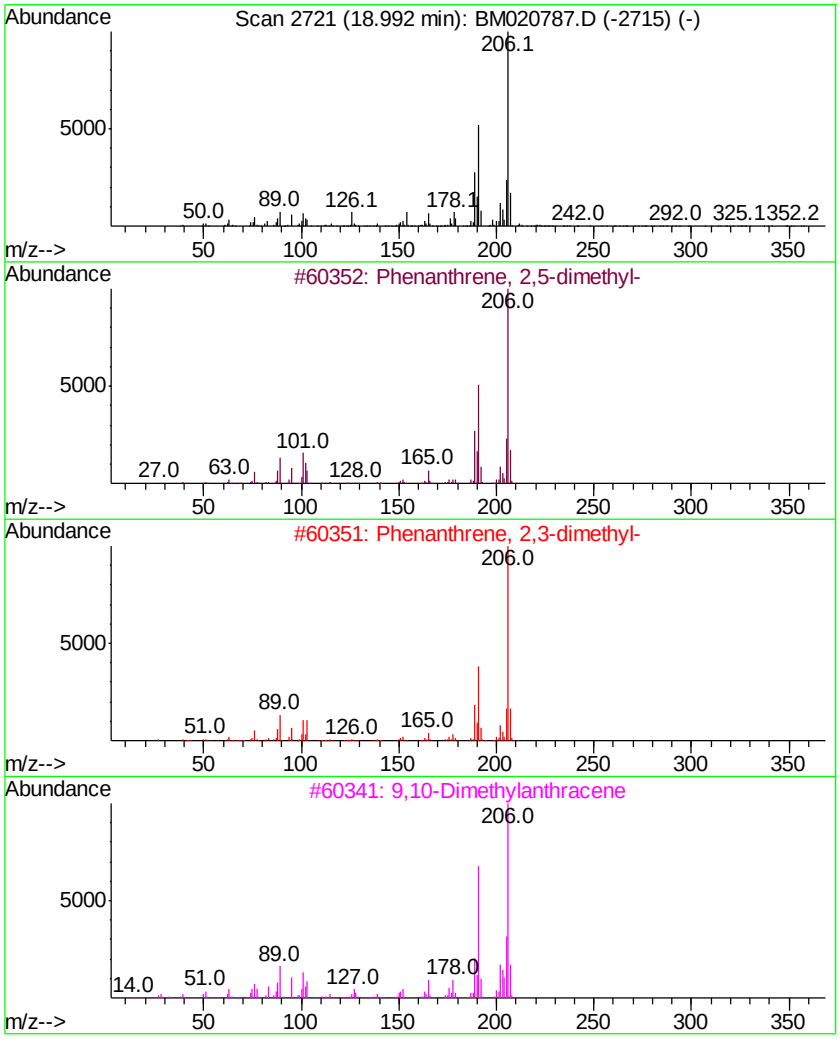
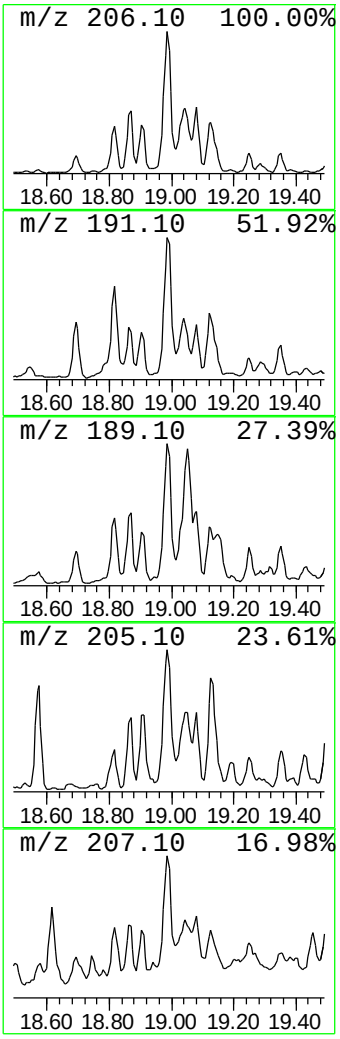
Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	10.46 ng/ul	2246950	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Instrument : BNA_M
ClientSampleId : C0AB7

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Quant Title : SVOA CALIBRATION

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

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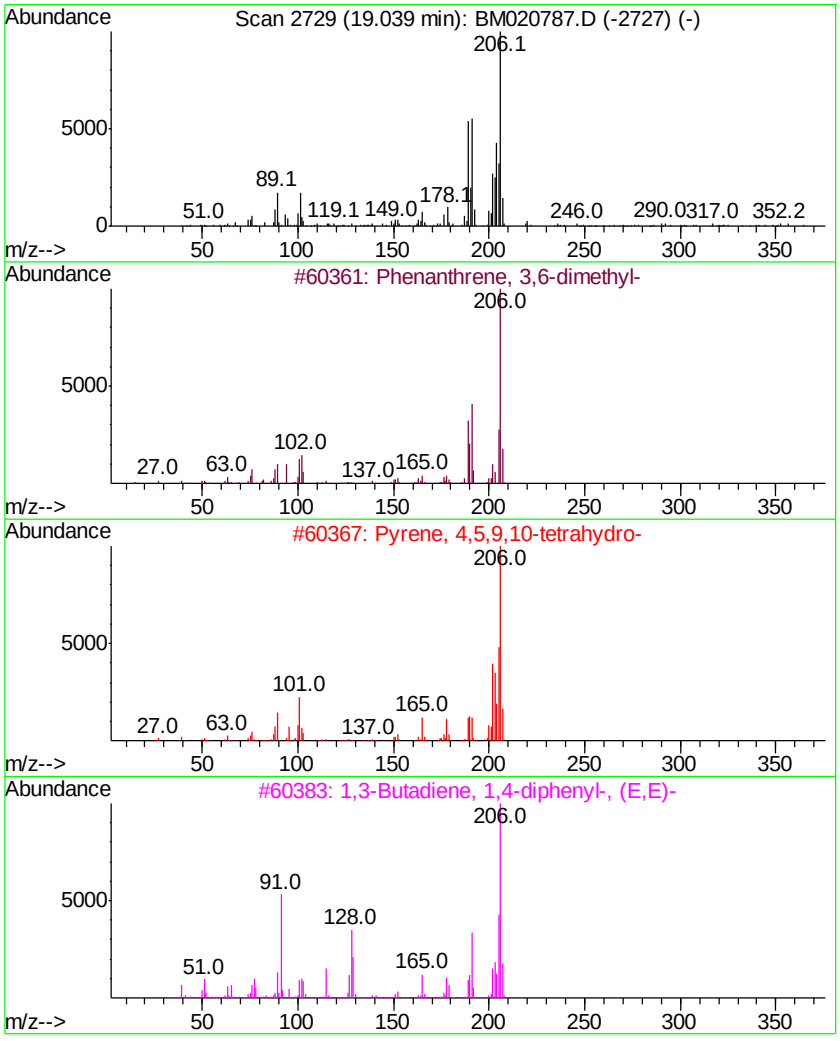
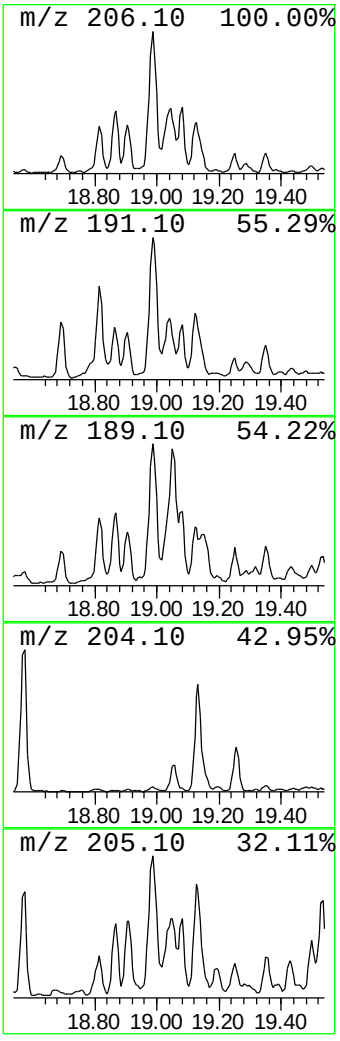
Peak Number 21 unknown-02 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	5.10 ng/ul	1096240	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	35
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	30





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Misc :
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Instrument : BNA_M
ClientSampleId : C0AB7

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Quant Title : SVOA CALIBRATION

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

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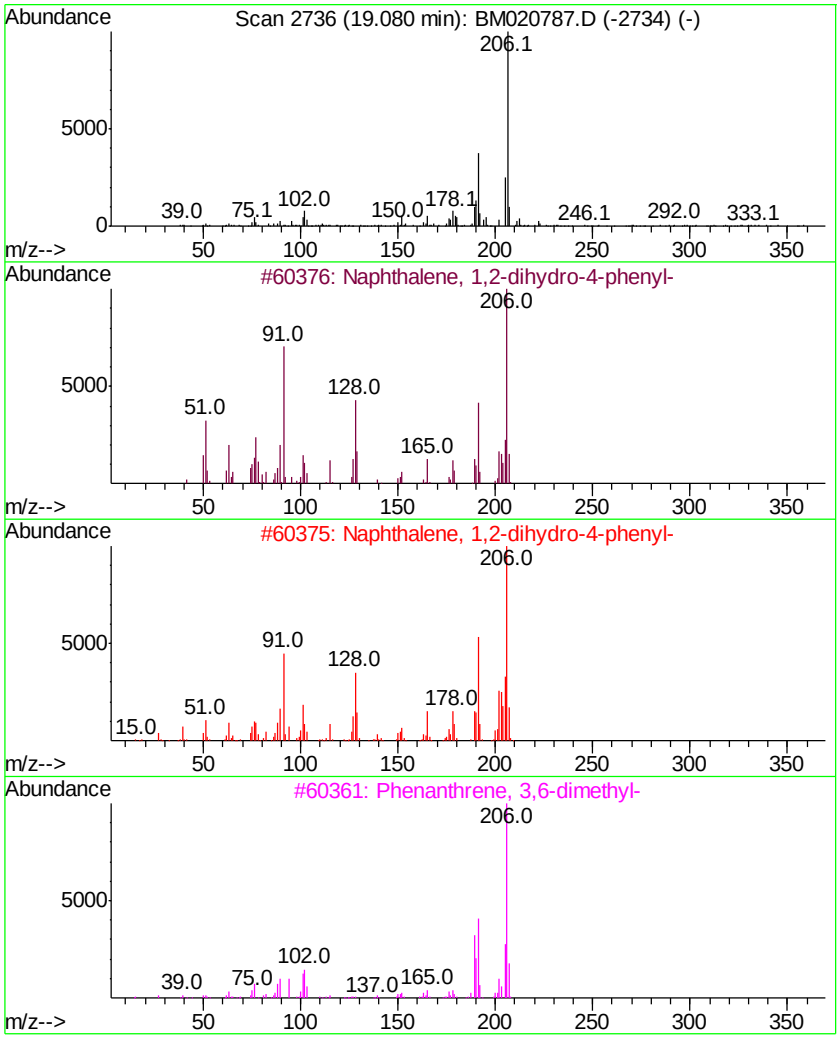
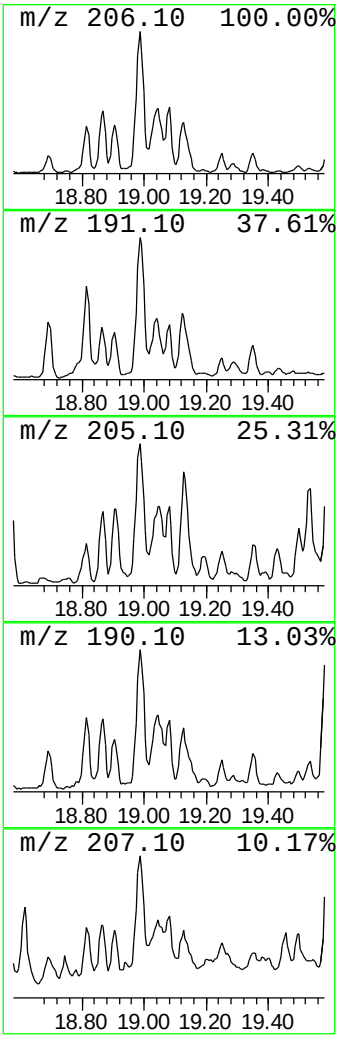
Peak Number 22 Naphthalene, 1,2-dihydro-4-... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	2.36 ng/ul	507399	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	80
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	68
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	64





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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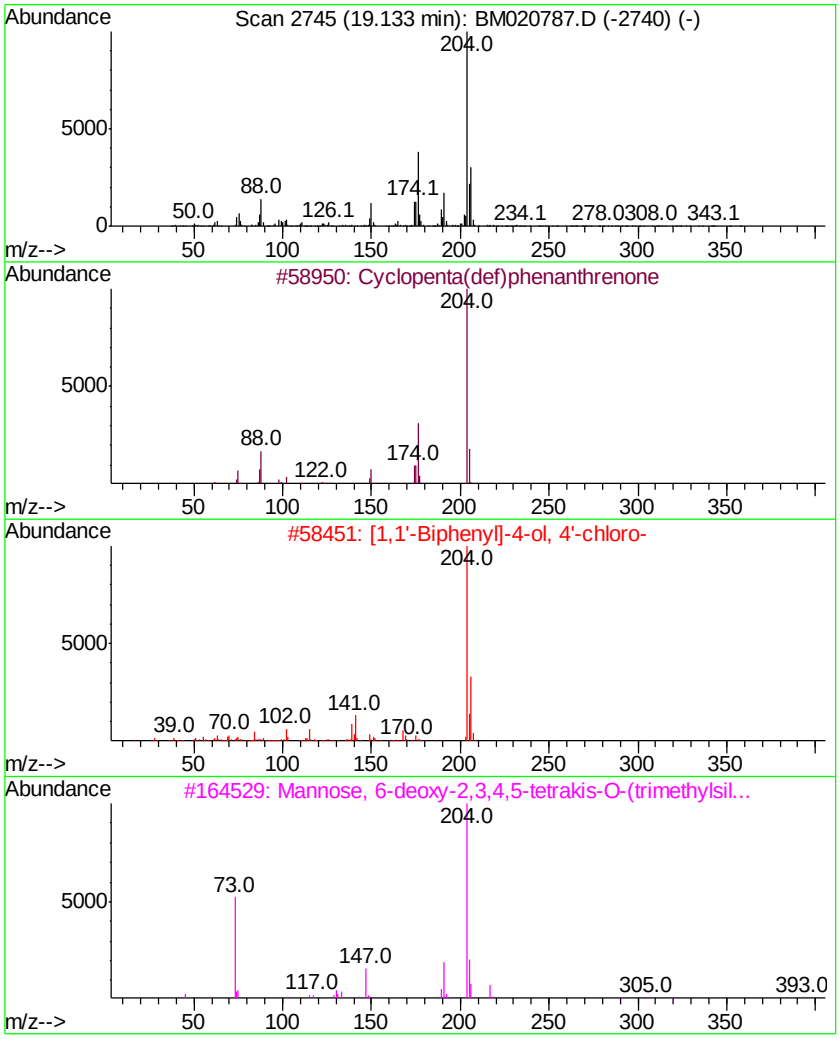
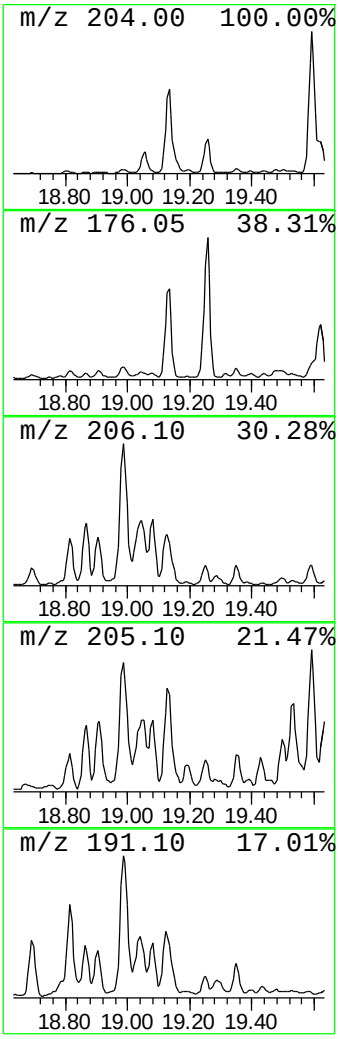
Peak Number 23 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	8.29 ng/ul	1780560	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
3	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	43
4	.alpha.-D-Xylopyranose, 1,2,3,4-...	438	C17H42O5Si4	014251-20-8	43
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43





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Quant Title : SVOA CALIBRATION

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

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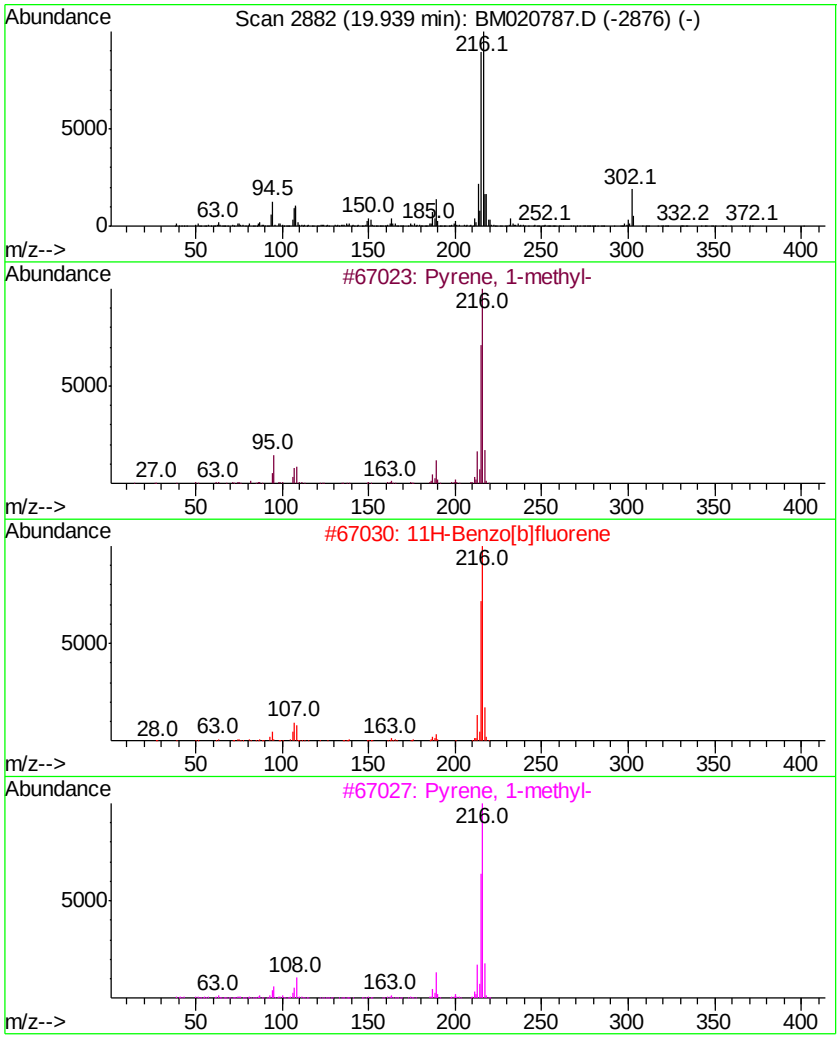
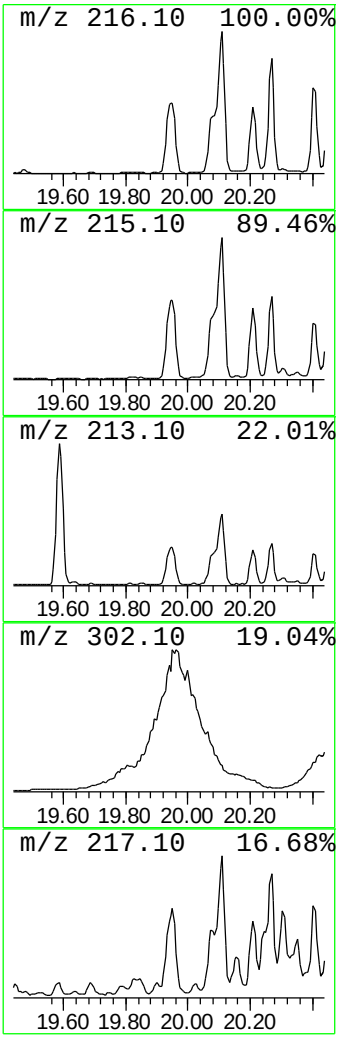
Peak Number 24 Pyrene, 1-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.40 ng/ul	2121090	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78





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Quant Title : SVOA CALIBRATION

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

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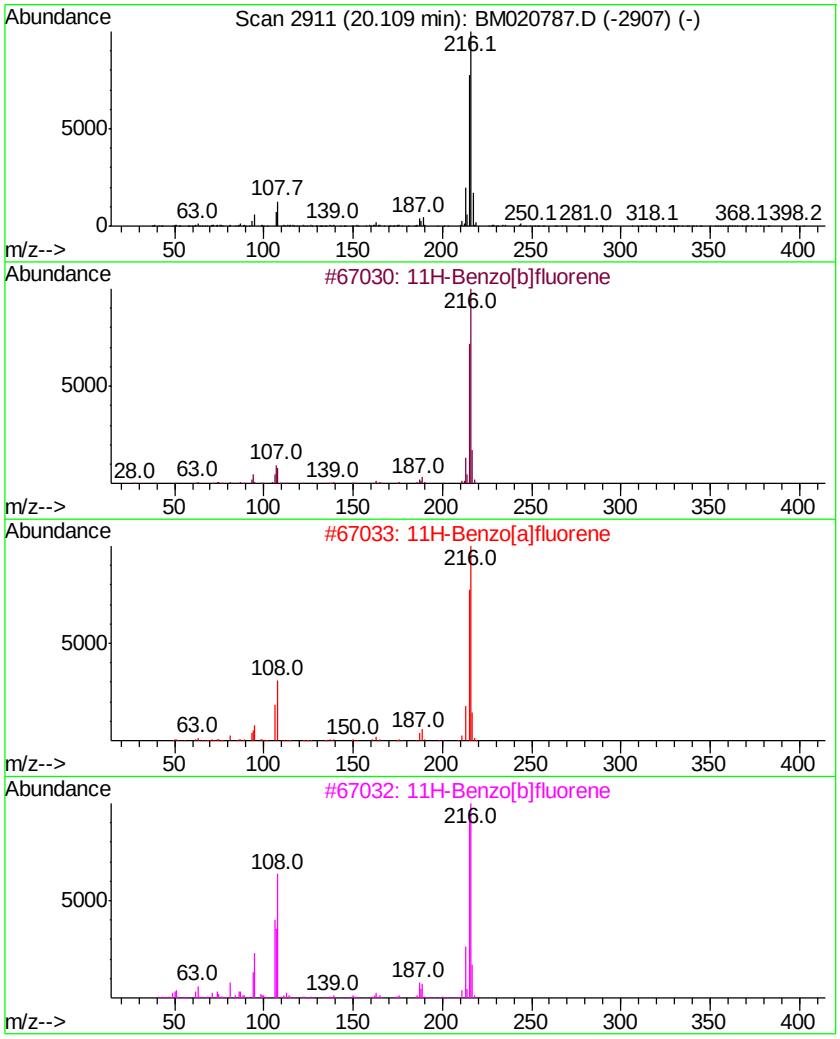
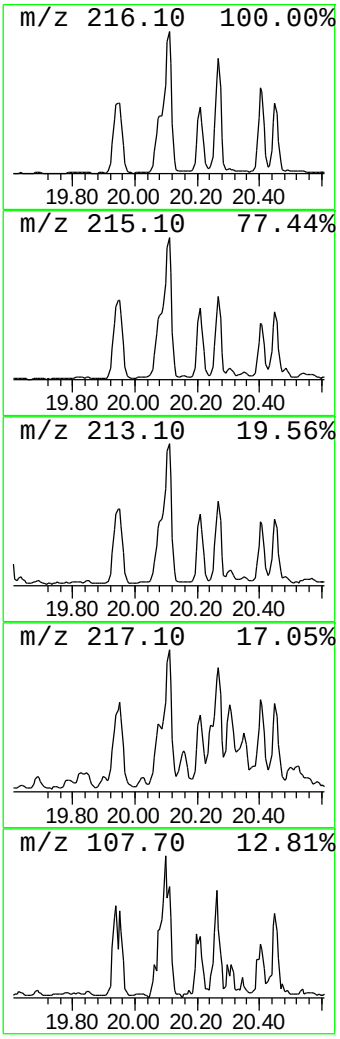
Peak Number 25 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	3.33 ng/ul	2945570	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80





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Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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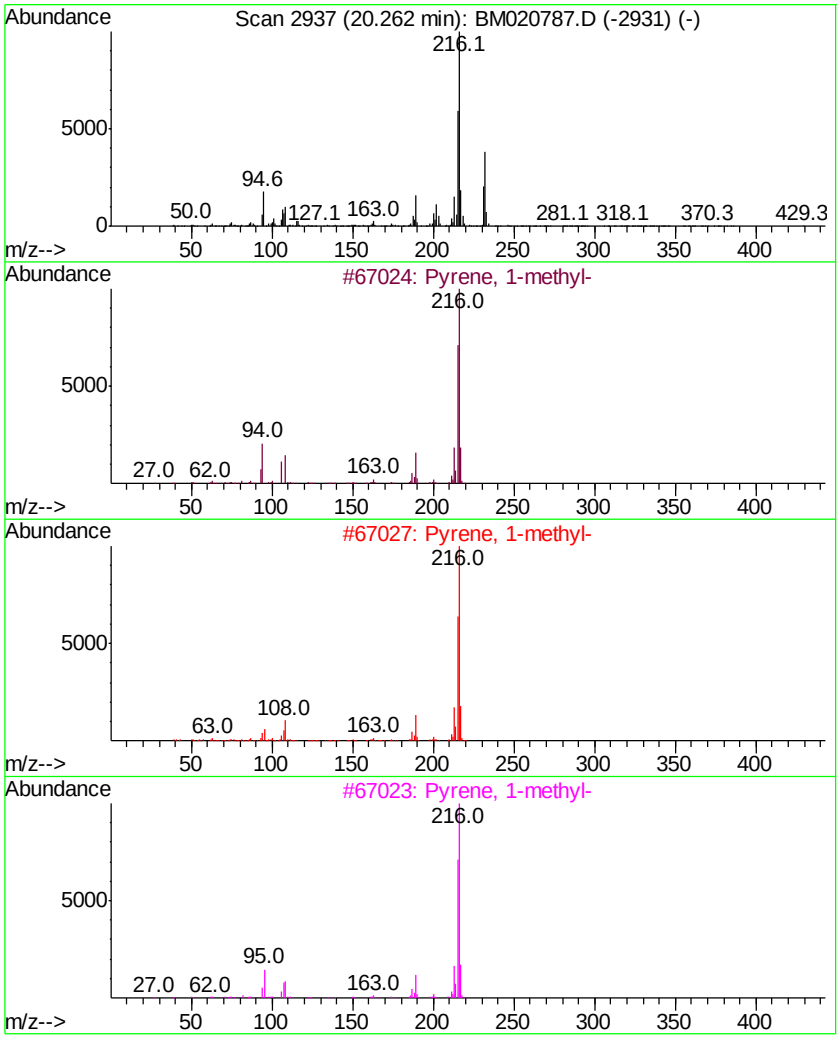
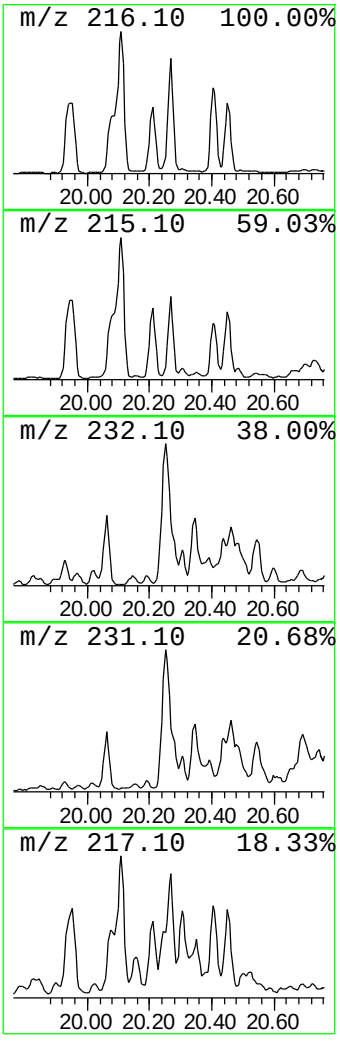
Peak Number 26 Fluoranthene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	2.87 ng/ul	2534880	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	87





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Instrument : BNA_M
ClientSampleId : C0AB7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

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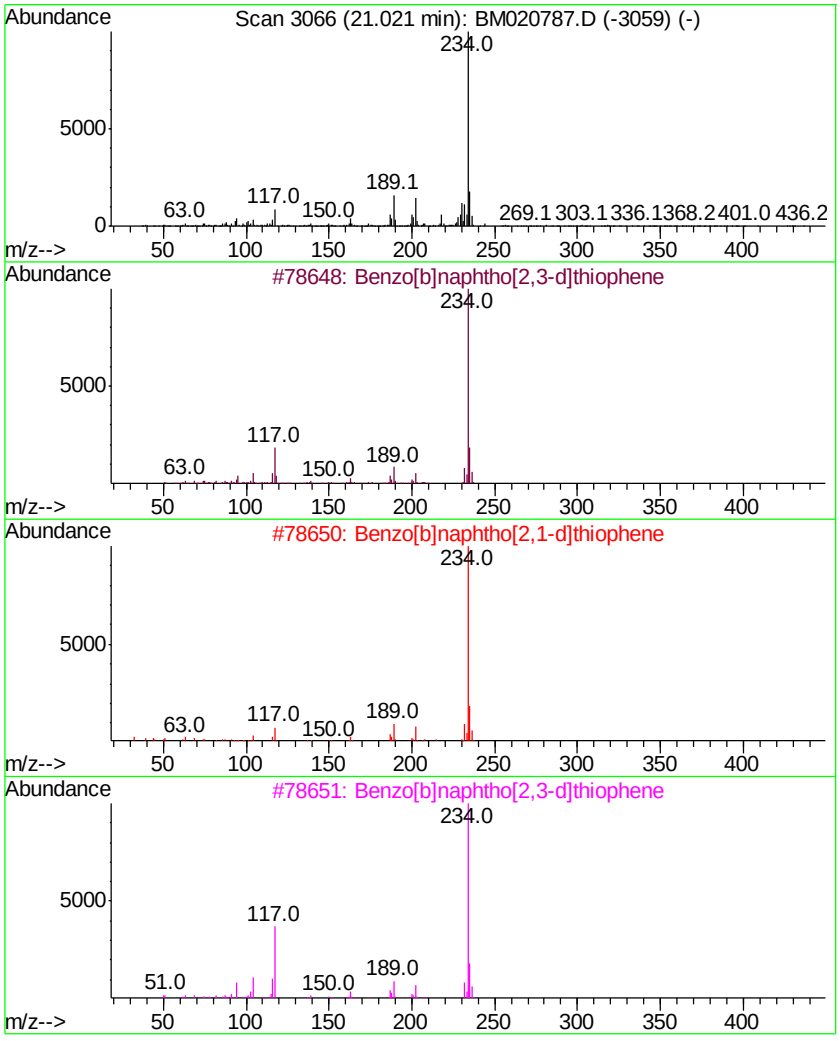
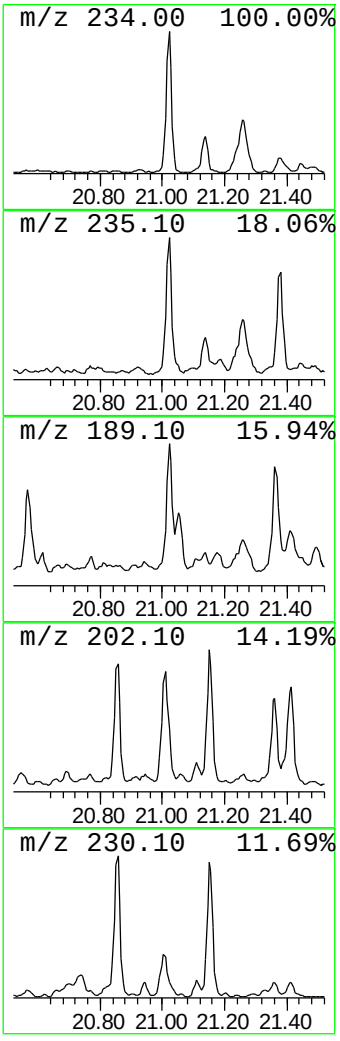
Peak Number 28 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	3.24 ng/ul	2869030	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87





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Data File : BM020787.D
Acq On : 07 Jun 2019 05:26
Operator : HP/JU
Sample : K3201-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

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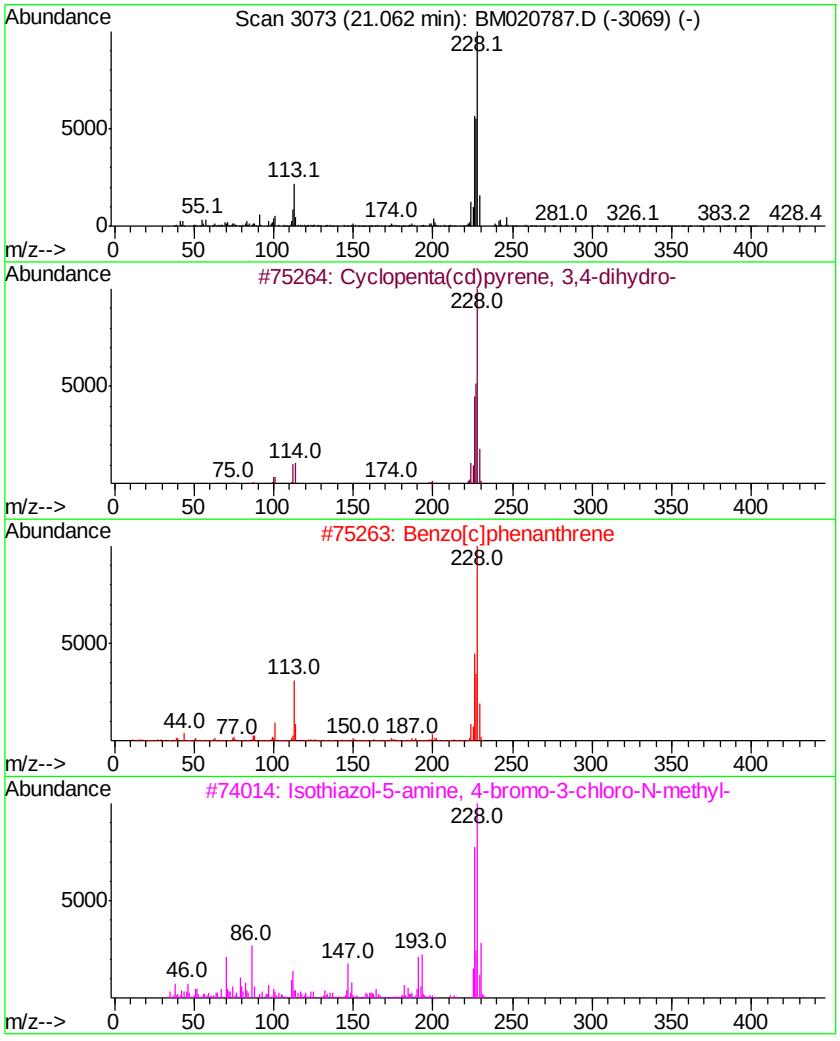
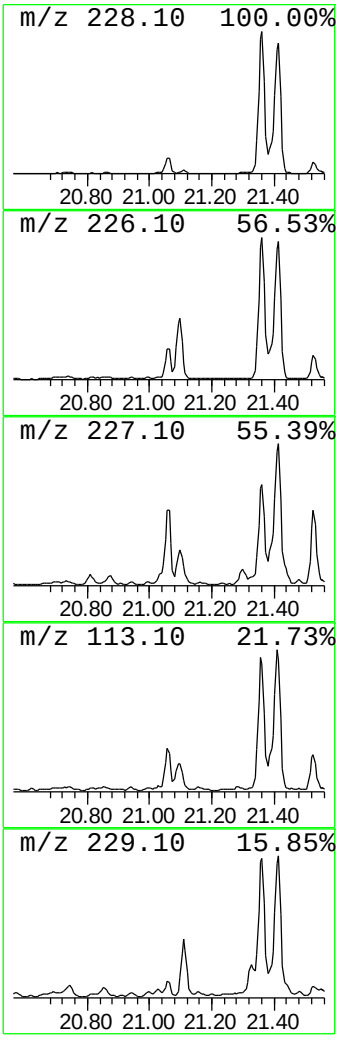
Peak Number 29 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	2.42 ng/ul	2142390	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	83
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
4	Triphenylene	228	C18H12	000217-59-4	50
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020787.D
Acq On : 07 Jun 2019 05:26
Operator : HP/JU
Sample : K3201-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

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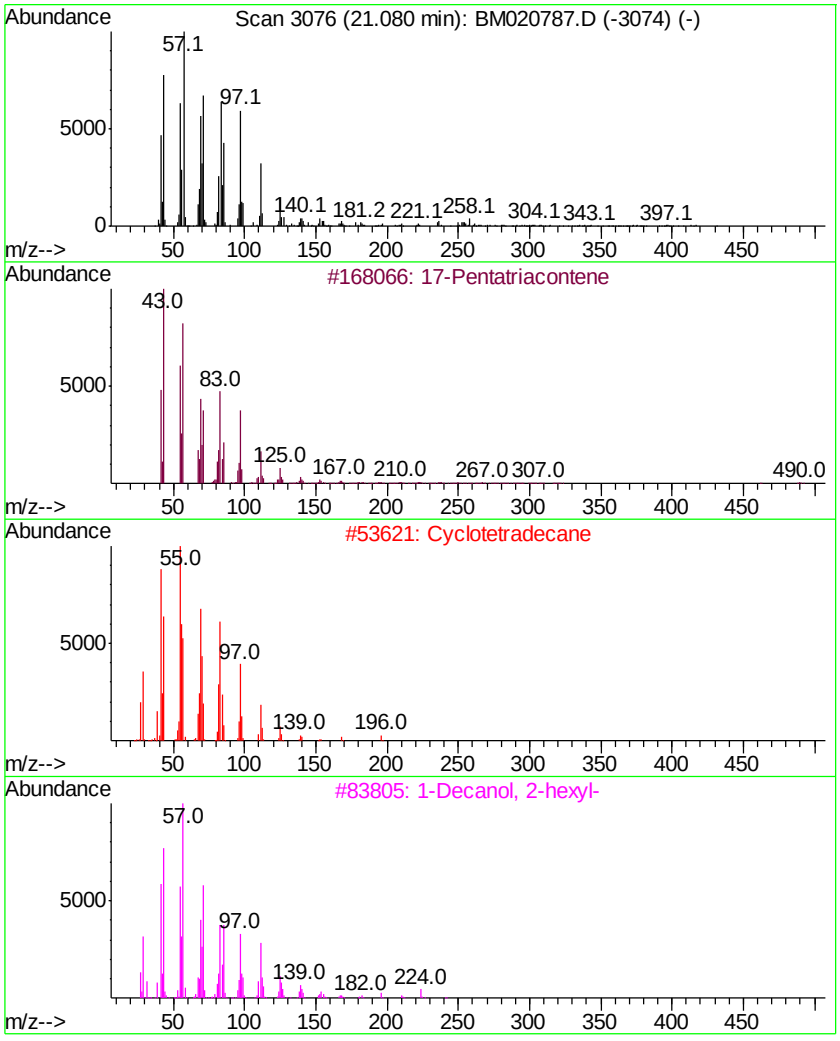
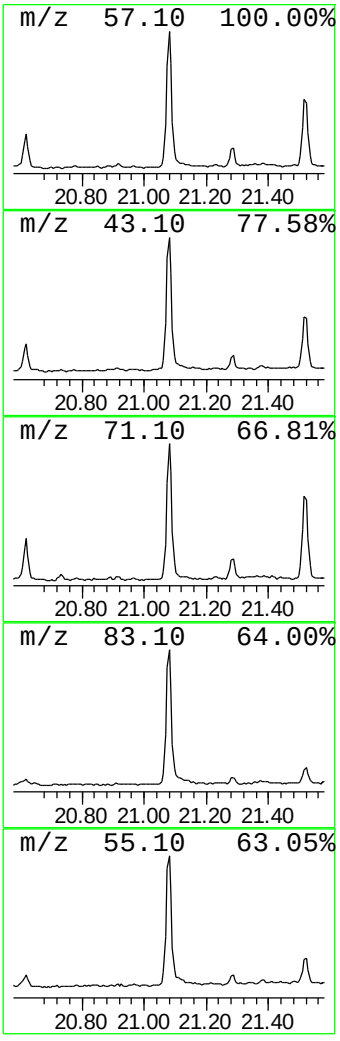
Peak Number 30 (DEL) Alkane: Cyclic21.08 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.08	4.69 ng/ul	4153510	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Pentatriacontene	491	C35H70	006971-40-0	86
2	Cyclotetradecane	196	C14H28	000295-17-0	83
3	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	74
4	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	70
5	1-Docosene	308	C22H44	001599-67-3	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020787.D
Acq On : 07 Jun 2019 05:26
Operator : HP/JU
Sample : K3201-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

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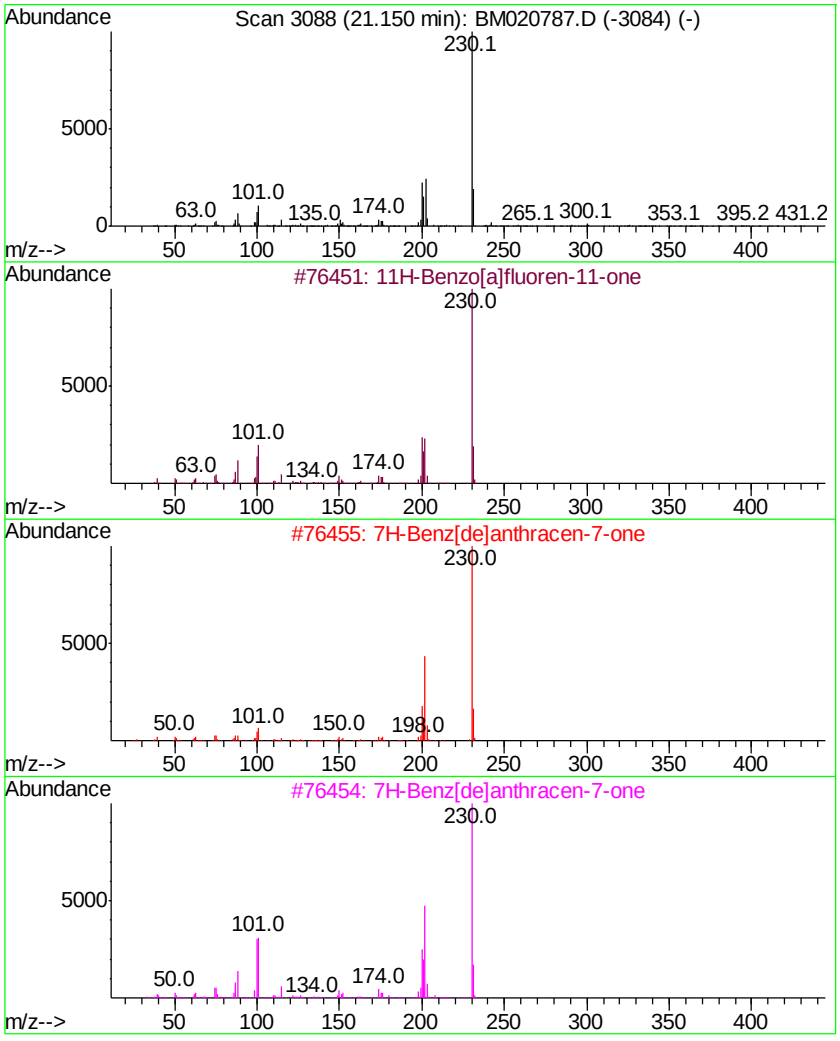
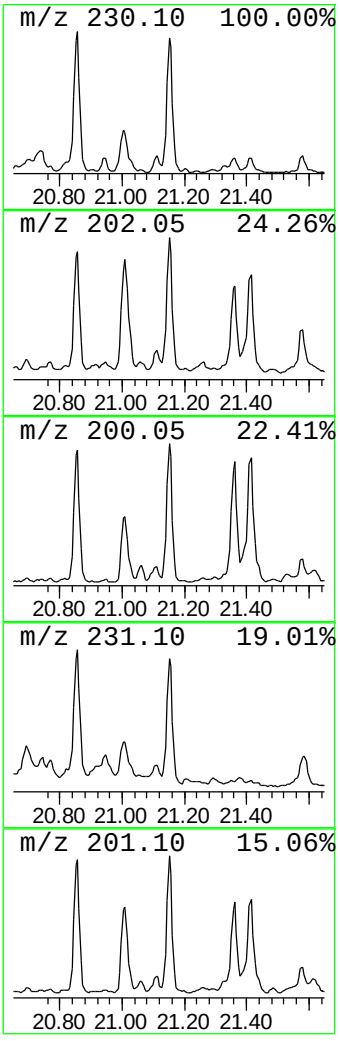
Peak Number 31 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.15	3.14 ng/ul	2774030	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
Data File : BM020787.D
Acq On : 07 Jun 2019 05:26
Operator : HP/JU
Sample : K3201-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

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

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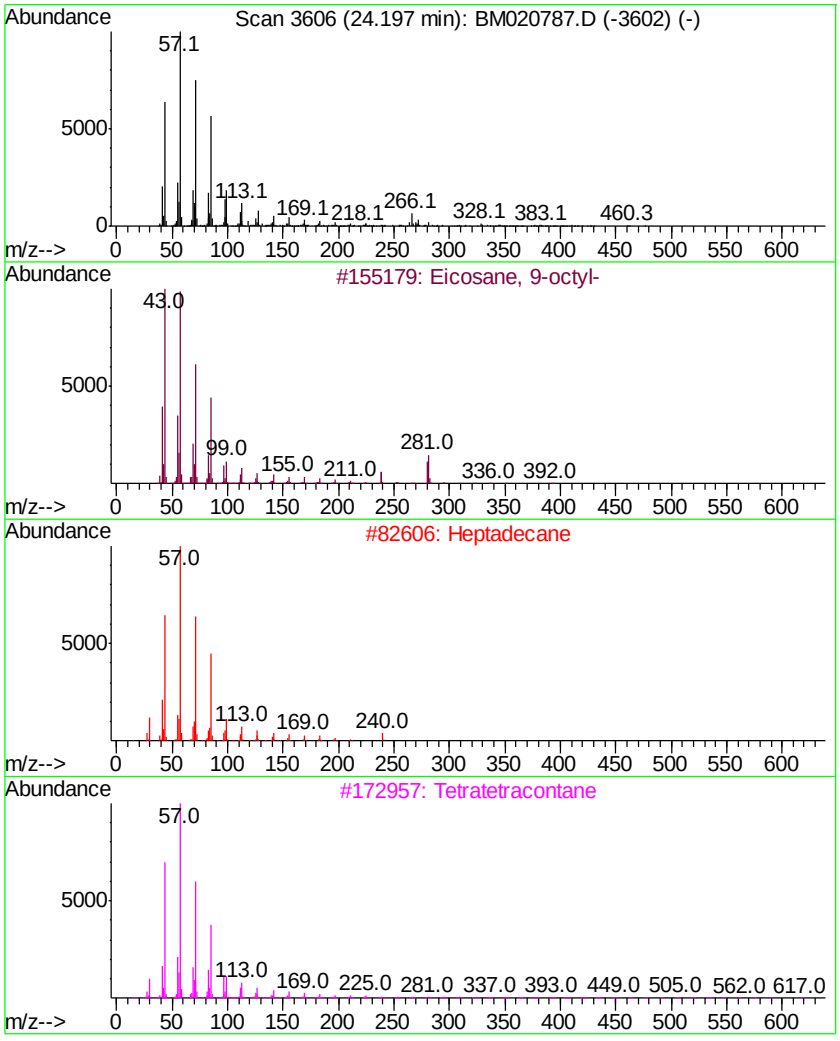
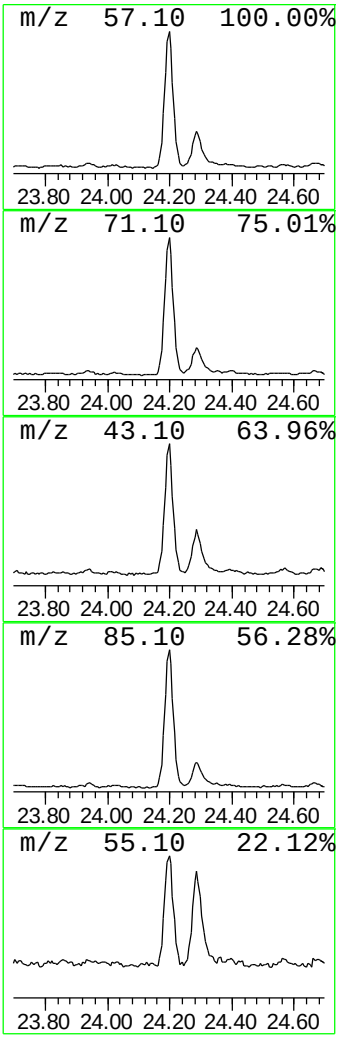
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.20	9.64 ng/ul	2093750	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 9-octyl-	394	C28H58	013475-77-9	93
2	Heptadecane	240	C17H36	000629-78-7	93
3	Tetratetracontane	619	C44H90	007098-22-8	90
4	Tetratriacontane	479	C34H70	014167-59-0	90
5	Octacosane	394	C28H58	000630-02-4	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060619\
Data File : BM020787.D
Acq On : 07 Jun 2019 05:26
Operator : HP/JU
Sample : K3201-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.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
Butane, 2-methoxy...	3.05	109.9	ng/ul	11234500	1	7.81	2044410	20.0
unknown-01	15.24	2.7	ng/ul	508844	3	14.45	3799080	20.0
9H-Fluoren-9-ol	15.79	2.5	ng/ul	479118	3	14.45	3799080	20.0
6H-Dibenzo[b,d]-p...	15.94	2.4	ng/ul	513075	4	17.20	4297450	20.0
2,2-Dimethyl-1-ac...	16.73	2.4	ng/ul	508616	4	17.20	4297450	20.0
9H-Fluoren-9-one	16.85	3.4	ng/ul	722553	4	17.20	4297450	20.0
Phenanthrene, 1,2...	16.94	2.1	ng/ul	456509	4	17.20	4297450	20.0
Dibenzothiophene	17.02	2.9	ng/ul	614213	4	17.20	4297450	20.0
9H-Fluorene-9-thiol	17.77	2.1	ng/ul	442389	4	17.20	4297450	20.0
Phenanthrene, 1-m...	18.07	11.0	ng/ul	2365690	4	17.20	4297450	20.0
Phenanthrene, 2-m...	18.12	13.9	ng/ul	2975550	4	17.20	4297450	20.0
Anthracene, 2-met...	18.20	4.5	ng/ul	970140	4	17.20	4297450	20.0
4H-Cyclopenta[def...	18.26	16.4	ng/ul	3534360	4	17.20	4297450	20.0
Anthracene, 1-met...	18.30	6.4	ng/ul	1377110	4	17.20	4297450	20.0
2-Phenylnaphthalene	18.57	7.3	ng/ul	1557770	4	17.20	4297450	20.0
9,10-Anthracenedione	18.62	8.0	ng/ul	1726220	4	17.20	4297450	20.0
Phenanthrene, 2,3...	18.82	3.4	ng/ul	736869	4	17.20	4297450	20.0
di-p-Tolylacetylene	18.87	2.6	ng/ul	564904	4	17.20	4297450	20.0
Phenanthrene, 3,6...	18.90	2.2	ng/ul	474276	4	17.20	4297450	20.0
Phenanthrene, 2,5...	18.99	10.5	ng/ul	2246950	4	17.20	4297450	20.0
unknown-02	19.04	5.1	ng/ul	1096240	4	17.20	4297450	20.0
Naphthalene, 1,2-...	19.08	2.4	ng/ul	507399	4	17.20	4297450	20.0
Cyclopenta(def)ph...	19.13	8.3	ng/ul	1780560	4	17.20	4297450	20.0
Pyrene, 1-methyl-	19.94	2.4	ng/ul	2121090	5	21.37	17695200	20.0
11H-Benzo[b]fluorene	20.11	3.3	ng/ul	2945570	5	21.37	17695200	20.0
Fluoranthene, 2-m...	20.26	2.9	ng/ul	2534880	5	21.37	17695200	20.0
Benzo[b]naphtho[2...	21.02	3.2	ng/ul	2869030	5	21.37	17695200	20.0
Cyclopenta(cd)pyr...	21.06	2.4	ng/ul	2142390	5	21.37	17695200	20.0
(DEL) Alkane: Cyc...	21.08	4.7	ng/ul	4153510	5	21.37	17695200	20.0
11H-Benzo[a]fluor...	21.15	3.1	ng/ul	2774030	5	21.37	17695200	20.0
(DEL) Alkane: Str...	24.20	9.6	ng/ul	2093750	6	23.66	4345350	20.0