LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020799.D
Acq On : 07 Jun 2019 12:04
Operator : HP/JU
Sample : K3201-05DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6DL

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	16	rBV	3949216	4362709	29.95%	2.028%
2	6.975	668	678	692	rVB	869744	1458019	10.01%	0.678%
3	7.151	701	708	720	rBV	657133	1089230	7.48%	0.506%
4	7.340	733	740	751	rBV	935958	1495105	10.26%	0.695%
5	7.810	809	820	827	rBV	1627671	2610578	17.92%	1.214%
6	8.510	932	939	946	rVV	1096120	1753552	12.04%	0.815%
7	8.969	1009	1017	1024	rVV	838870	1431194	9.82%	0.665%
8	9.686	1131	1139	1151	rBV	720850	1221038	8.38%	0.568%
9	10.222	1223	1230	1237	rVV	1191644	1990328	13.66%	0.925%
10	10.604	1284	1295	1301	rBV	2151139	3731181	25.61%	1.735%
11	10.739	1310	1318	1329	rBV	710004	1323213	9.08%	0.615%
12	13.768	1827	1833	1838	rVV	143928	253640	1.74%	0.118%
13	13.857	1844	1848	1853	rVV	2014652	2915181	20.01%	1.355%
14	13.904	1853	1856	1863	rVB	873947	1241066	8.52%	0.577%
15	14.145	1890	1897	1910	rBV2	2274638	3970499	27.26%	1.846%
16	14.451	1938	1949	1955	rBV2	3164988	4925387	33.81%	2.290%
17	14.515	1955	1960	1967	rVB	310440	518940	3.56%	0.241%
18	14.645	1976	1982	1992	rBV	670111	1047989	7.19%	0.487%
19	14.845	2012	2016	2023	rVB	269858	423977	2.91%	0.197%
20	15.068	2045	2054	2058	rBV2	100687	193431	1.33%	0.090%
21	15.239	2075	2083	2090	rBV2	195837	373803	2.57%	0.174%
22	15.445	2109	2118	2123	rVV	2876195	4213468	28.92%	1.959%
23	15.498	2123	2127	2133	rVV2	297487	476594	3.27%	0.222%
24	15.562	2133	2138	2144	rVV	430751	620902	4.26%	0.289%
25	15.792	2172	2177	2184	rVB	203916	339752	2.33%	0.158%
26	15.939	2193	2202	2209	rVB2	180402	396310	2.72%	0.184%
27	16.027	2209	2217	2223	rVB3	72627	195120	1.34%	0.091%
28	16.174	2234	2242	2247	rVB5	178832	435557	2.99%	0.202%
29	16.504	2295	2298	2302	rVV3	152373	253220	1.74%	0.118%
30	16.727	2333	2336	2339	rVV2	177809	260858	1.79%	0.121%
31	16.768	2339	2343	2346	rVV2	177693	280026	1.92%	0.130%
32	16.851	2352	2357	2364	rVB	391565	597744	4.10%	0.278%
33	16.921	2364	2369	2371	rBV2	165075	254112	1.74%	0.118%
34	16.945	2371	2373	2380	rVV4	236676	388625	2.67%	0.181%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020799.D
Acq On : 07 Jun 2019 12:04
Operator : HP/JU
Sample : K3201-05DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6DL

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

35	17.015	2380	2385	2393	rVB	264349	461692	3.17%	0.215%
36	17.198	2410	2416	2419	rVV	3589569	5360126	36.80%	2.492%
37	17.239	2419	2423	2428	rVV	5470253	7448468	51.13%	3.463%
38	17.292	2428	2432	2436	rVV	3063030	4423117	30.36%	2.056%
39	17.327	2436	2438	2443	rVV	918612	1090284	7.48%	0.507%
40	17.386	2443	2448	2452	rVB3	140497	275109	1.89%	0.128%
41	17.598	2476	2484	2488	rBV2	423056	775461	5.32%	0.360%
42	17.774	2510	2514	2522	rVB4	192663	298343	2.05%	0.139%
43	18.074	2559	2565	2569	rVV2	1117789	2311033	15.86%	1.074%
44	18.115	2569	2572	2578	rVV	1463198	1965271	13.49%	0.914%
45	18.198	2581	2586	2591	rVV	383536	558336	3.83%	0.260%
46	18.262	2591	2597	2601	rVV2	1195032	2322311	15.94%	1.080%
47	18.298	2601	2603	2609	rVB	732811	910178	6.25%	0.423%
48	18.380	2612	2617	2620	rBV4	253700	351238	2.41%	0.163%
49	18.568	2645	2649	2653	rVV	774044	1102125	7.57%	0.512%
50	18.615	2653	2657	2663	rVV	881986	1210041	8.31%	0.563%
51	18.815	2687	2691	2695	rVV	382934	528198	3.63%	0.246%
52	18.862	2696	2699	2703	rVV	315538	419880	2.88%	0.195%
53	18.903	2703	2706	2710	rVB	282657	339177	2.33%	0.158%
54	18.986	2715	2720	2726	rBV2	778197	1517714	10.42%	0.706%
55	19.080	2734	2736	2740	rVB	297746	307136	2.11%	0.143%
56	19.127	2740	2744	2752	rBV2	736528	1199806	8.24%	0.558%
57	19.256	2760	2766	2772	rVB	10670120	14395623	98.82%	6.692%
58	19.315	2772	2776	2779	rBV	252068	358440	2.46%	0.167%
59	19.356	2779	2783	2787	rVV3	439591	689508	4.73%	0.321%
60	19.403	2788	2791	2794	rVB	170555	199129	1.37%	0.093%
61	19.450	2795	2799	2802	rBV3	248974	349220	2.40%	0.162%
62	19.498	2803	2807	2810	rVB	258715	312152	2.14%	0.145%
63	19.586	2817	2822	2824	rBV3	4823854	6686806	45.90%	3.109%
64	19.621	2824	2828	2834	rVV	8932736	13069508	89.72%	6.076%
65	19.686	2835	2839	2846	rVB3	678247	1032179	7.09%	0.480%
66	19.792	2852	2857	2862	rBV	535718	862346	5.92%	0.401%
67	19.856	2864	2868	2873	rVB2	389573	578708	3.97%	0.269%
68	19.939	2876	2882	2889	rBV4	928349	2347296	16.11%	1.091%
69	20.074	2900	2905	2906	rBV3	624460	889744	6.11%	0.414%
70	20.109	2908	2911	2916	rVB	1111234	1630566	11.19%	0.758%
71	20.209	2924	2928	2932	rBV2	521197	700330	4.81%	0.326%

LSC Area Percent Report

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Acq On : 07 Jun 2019 12:04
Operator : HP/JU
Sample : K3201-05DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6DL

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

72	20.268	2932	2938	2942	rVB3	1025898	1737631	11.93%	0.808%
73	20.309	2942	2945	2948	rVB	328631	353156	2.42%	0.164%
74	20.350	2948	2952	2956	rBV2	243072	347659	2.39%	0.162%
75	20.409	2958	2962	2965	rBV	703735	956174	6.56%	0.445%
76	20.456	2965	2970	2973	rBV2	669209	962640	6.61%	0.448%
77	20.668	3002	3006	3007	rBV3	200509	287938	1.98%	0.134%
78	20.856	3034	3038	3045	rVB	1513782	1988850	13.65%	0.925%
79	21.021	3060	3066	3070	rBV2	1000940	1937896	13.30%	0.901%
80	21.062	3070	3073	3075	rBV	873376	1056014	7.25%	0.491%
81	21.156	3085	3089	3095	rVB	1327310	1828524	12.55%	0.850%
82	21.368	3119	3125	3130	rBV3	7428086	14567419	100.00%	6.772%
83	21.415	3130	3133	3143	rVB	5671500	7527862	51.68%	3.500%
84	21.527	3149	3152	3159	rBV3	746759	1214113	8.33%	0.564%
85	21.592	3160	3163	3167	rBV5	291668	512894	3.52%	0.238%
86	21.697	3176	3181	3185	rBV2	608363	1039437	7.14%	0.483%
87	21.933	3218	3221	3224	rVB	1049851	1139753	7.82%	0.530%
88	21.986	3224	3230	3236	rVB3	876288	1733984	11.90%	0.806%
89	22.133	3252	3255	3258	rBV	517114	636075	4.37%	0.296%
90	22.239	3269	3273	3282	rVB5	499224	946061	6.49%	0.440%
91	22.980	3391	3399	3404	rBV2	4789360	12279456	84.29%	5.708%
92	23.150	3424	3428	3434	rVB	815278	1285271	8.82%	0.597%
93	23.468	3476	3482	3487	rBV	2464769	4712915	32.35%	2.191%
94	23.521	3487	3491	3495	rVV	2235442	4636560	31.83%	2.155%
95	23.568	3495	3499	3506	rVB	4025422	6859879	47.09%	3.189%
96	23.668	3510	3516	3520	rVV	2842326	5578773	38.30%	2.593%
97	23.715	3521	3524	3532	rVB2	1077947	2070201	14.21%	0.962%
98	24.203	3604	3607	3617	rVB4	631782	1290405	8.86%	0.600%
99	25.979	3901	3909	3922	rVB2	2092270	6212625	42.65%	2.888%
100	26.691	4023	4030	4039	rVB	1063334	3091873	21.22%	1.437%

Sum of corrected areas: 215110985

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
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Acq On : 07 Jun 2019 12:04
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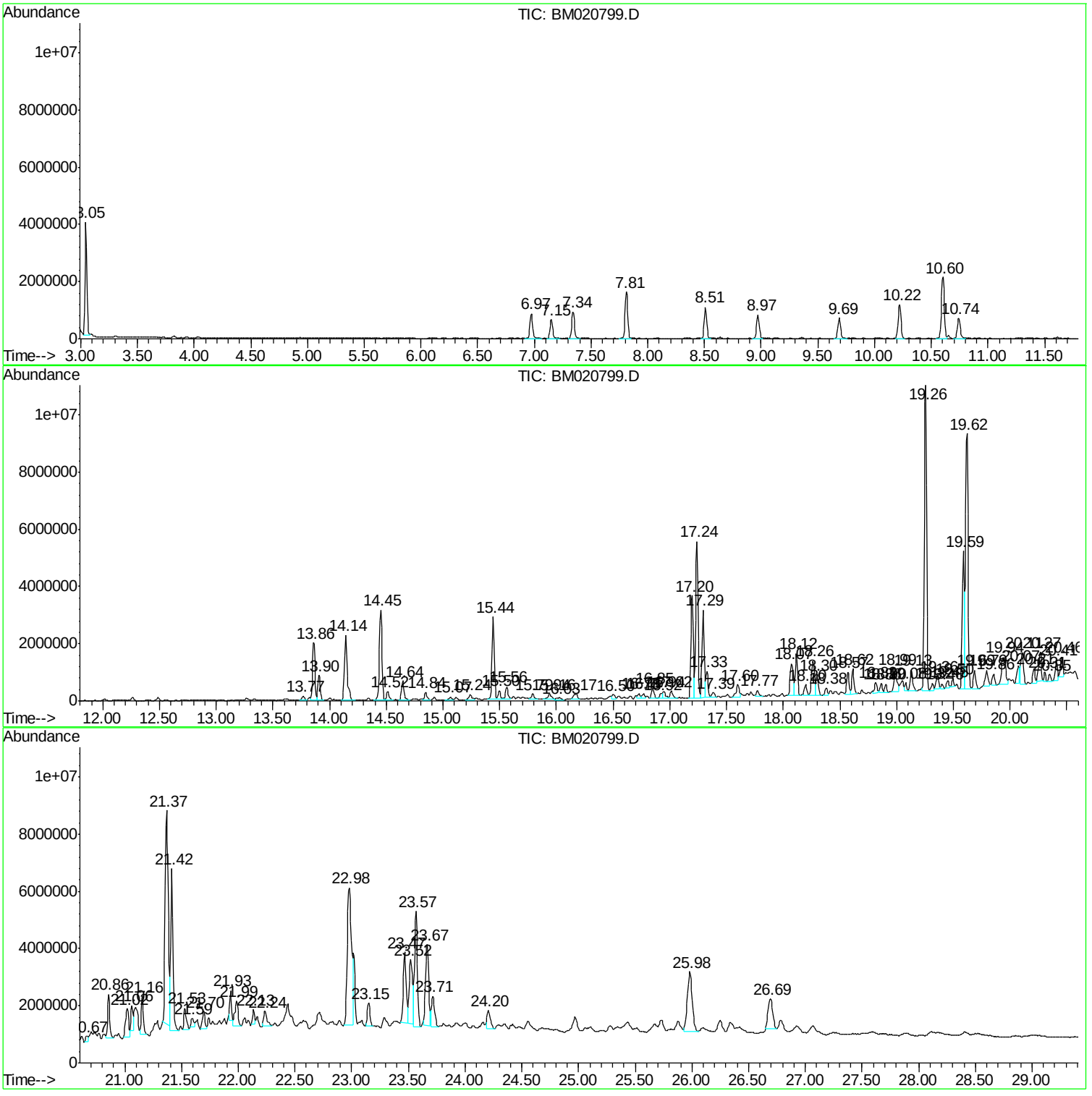
Sample : K3201-05DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6DL

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\BM060719\
Data File : BM020799.D
Acq On : 07 Jun 2019 12:04
Operator : HP/JU
Sample : K3201-05DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6DL

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

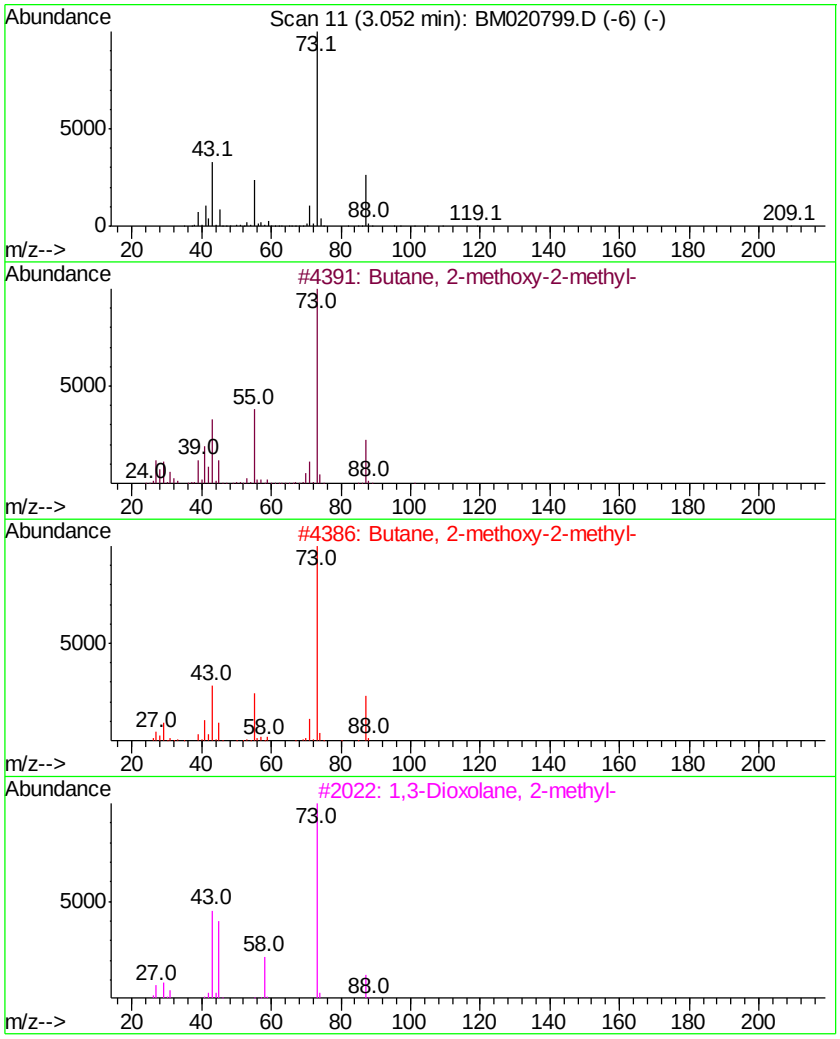
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

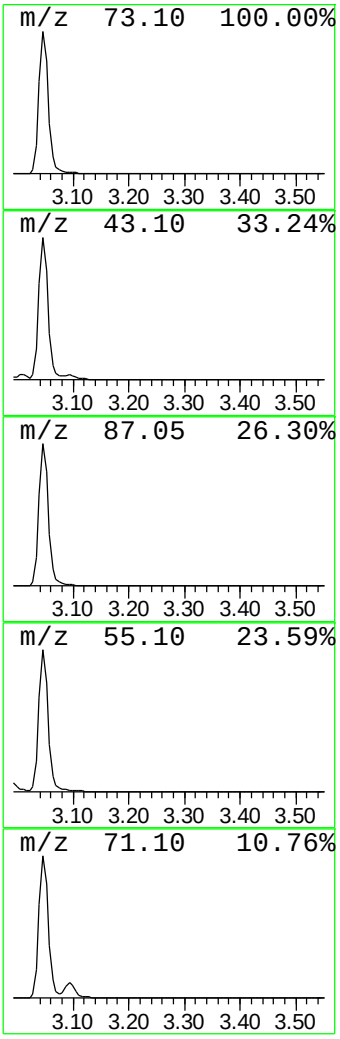
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	33.42 ng/ul	4362710	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





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020799.D
Acq On : 07 Jun 2019 12:04
Operator : HP/JU
Sample : K3201-05DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6DL

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

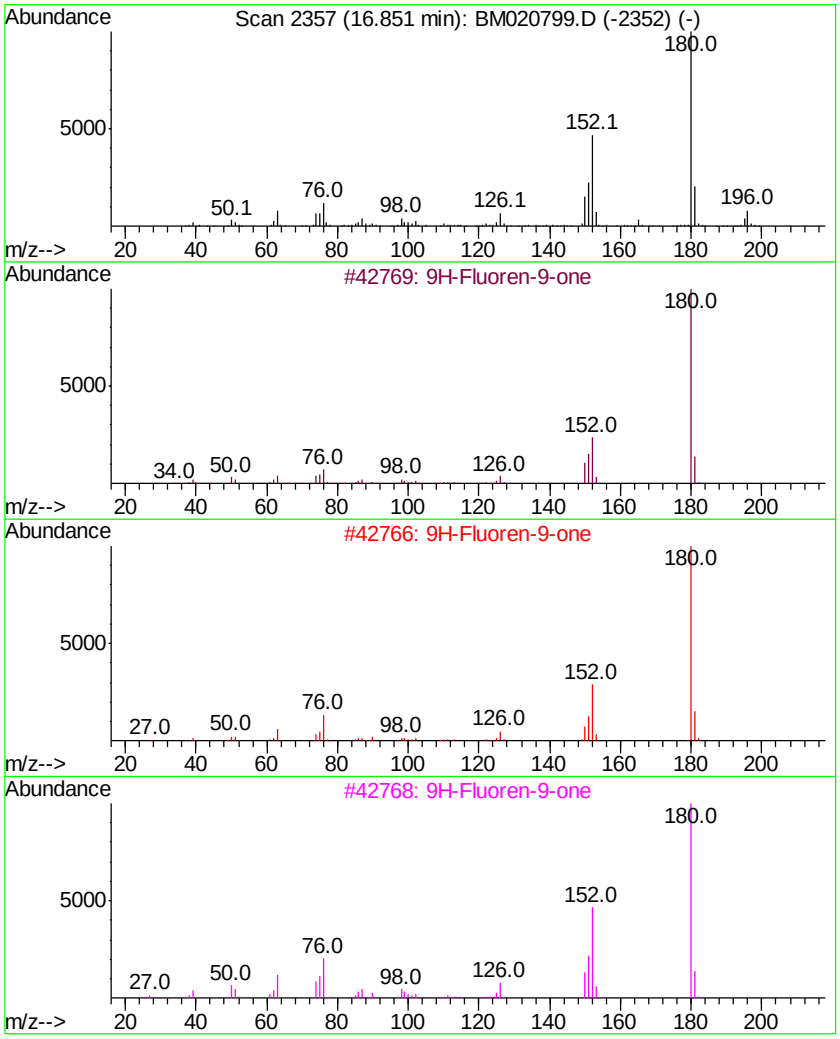
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

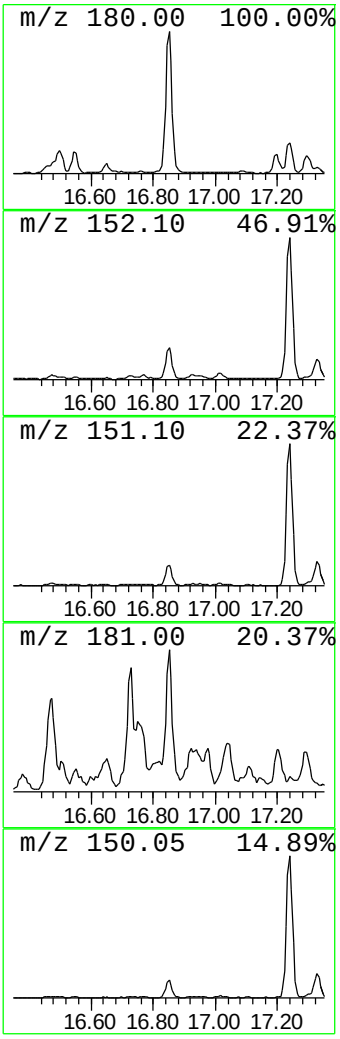
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	2.23 ng/ul	597744	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
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Acq On : 07 Jun 2019 12:04
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Sample : K3201-05DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6DL

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

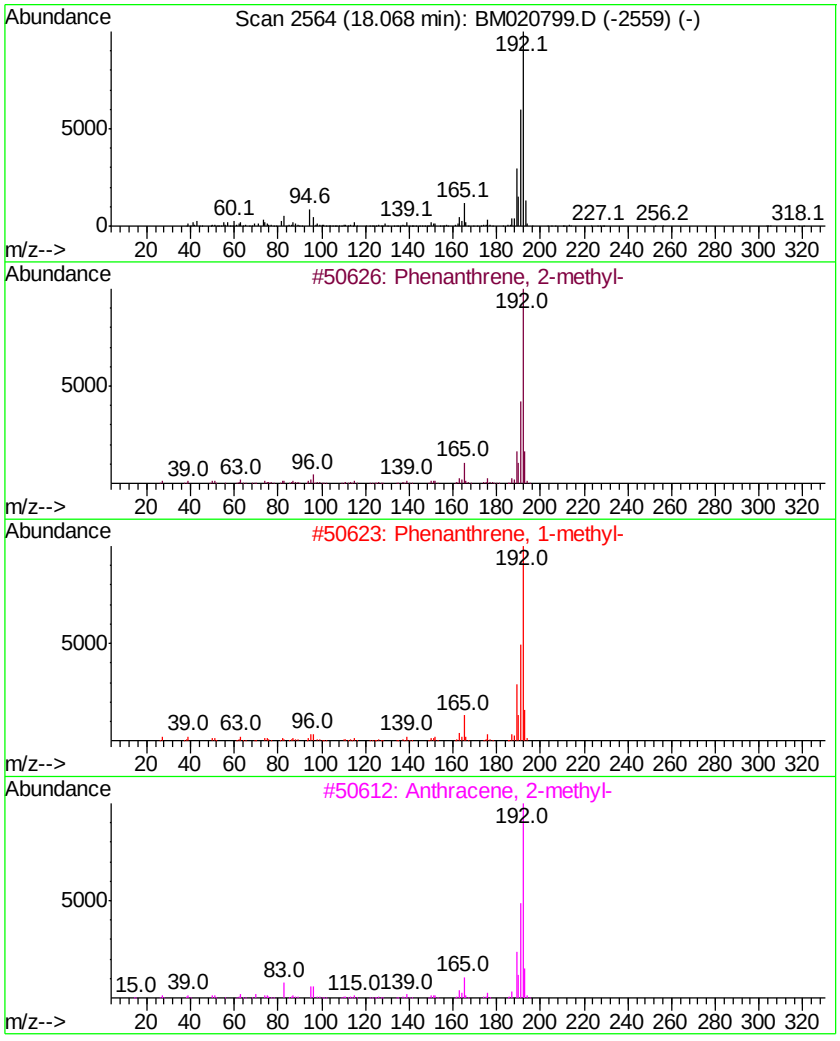
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

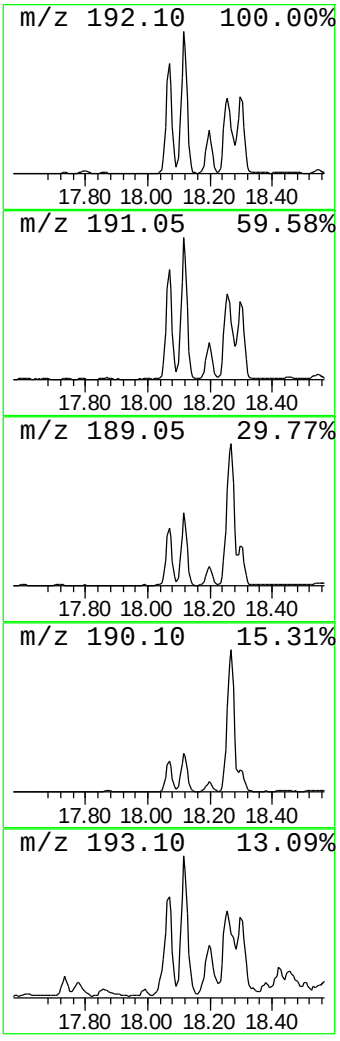
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	8.62 ng/ul	2311030	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, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020799.D
Acq On : 07 Jun 2019 12:04
Operator : HP/JU
Sample : K3201-05DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6DL

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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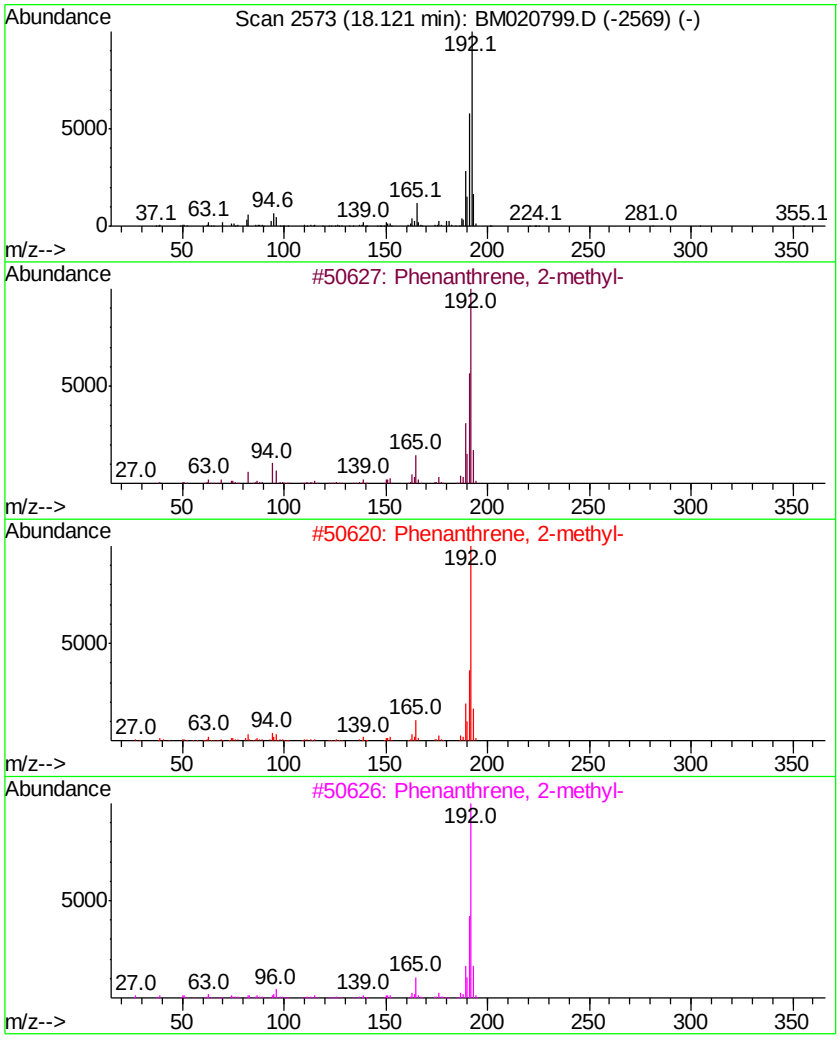
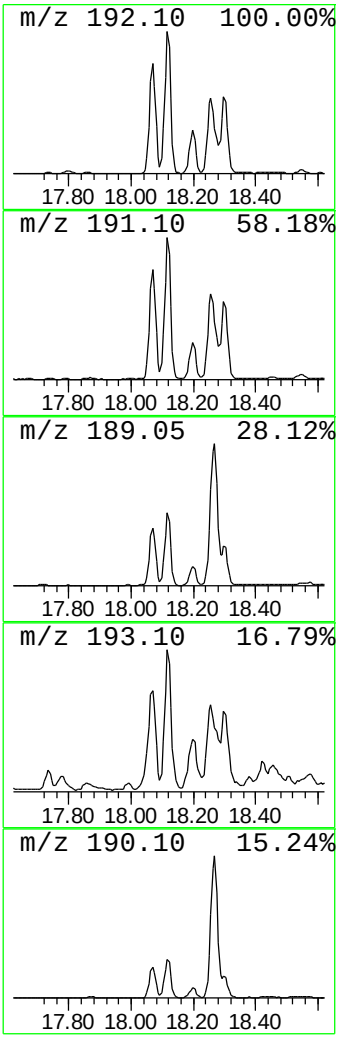
Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	7.33 ng/ul	1965270	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	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020799.D
Acq On : 07 Jun 2019 12:04
Operator : HP/JU
Sample : K3201-05DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6DL

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

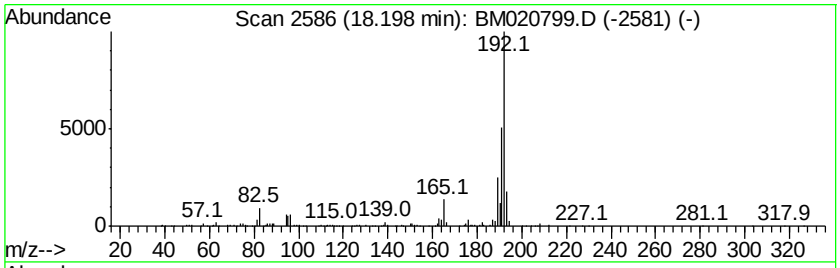
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

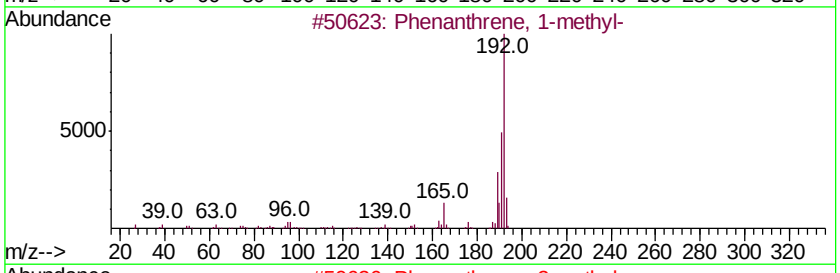
****

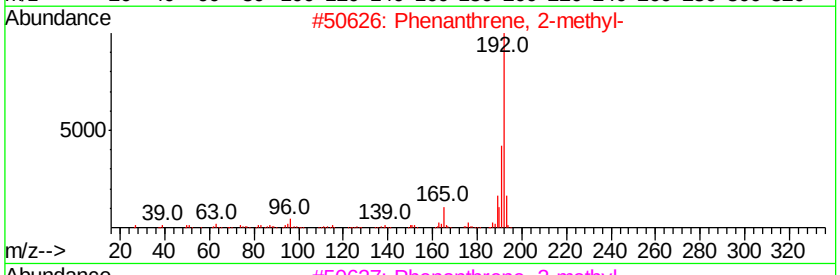
Peak Number 5 Anthracene, 1-methyl- Concentration Rank 21

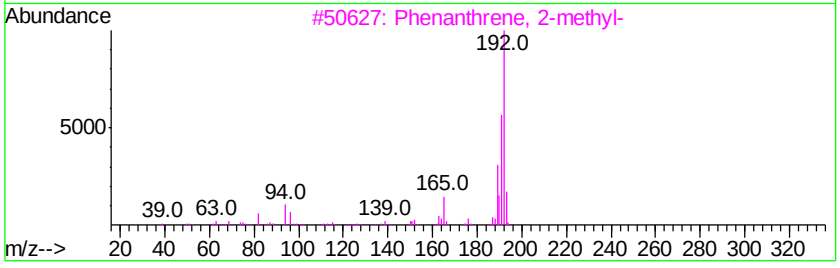
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	2.08 ng/ul	558336	Phenanthrene-d10	17.20

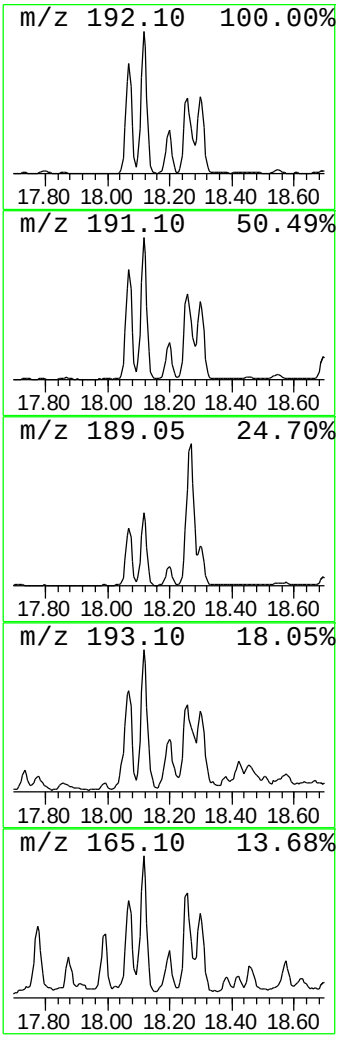
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93











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Acq On : 07 Jun 2019 12:04
Operator : HP/JU
Sample : K3201-05DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6DL

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Quant Title : SVOA CALIBRATION

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

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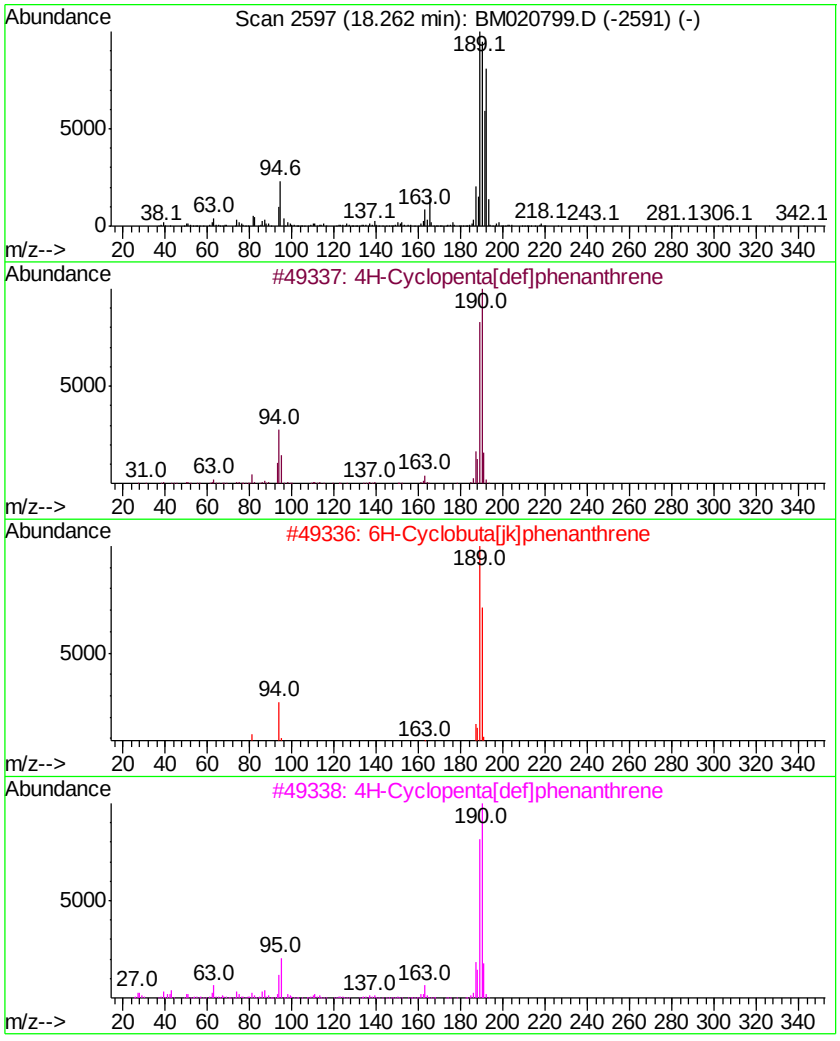
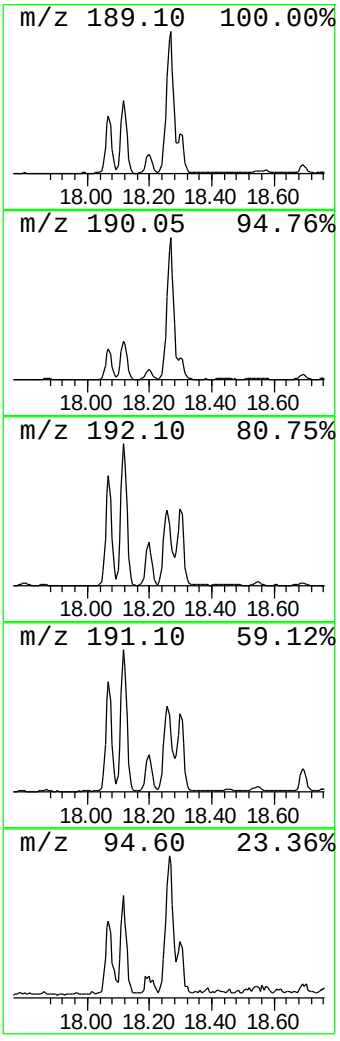
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	8.67 ng/ul	2322310	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	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	45
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





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Instrument : BNA_M
ClientSampleId : C0AB6DL

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Quant Title : SVOA CALIBRATION

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

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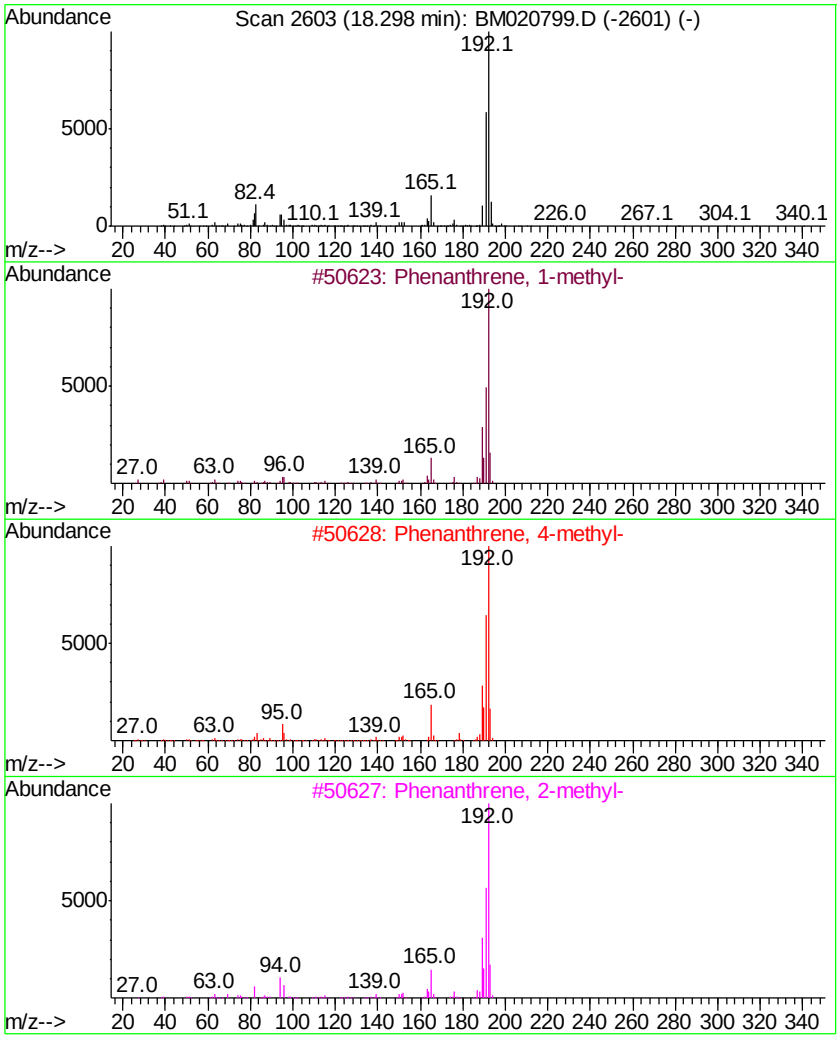
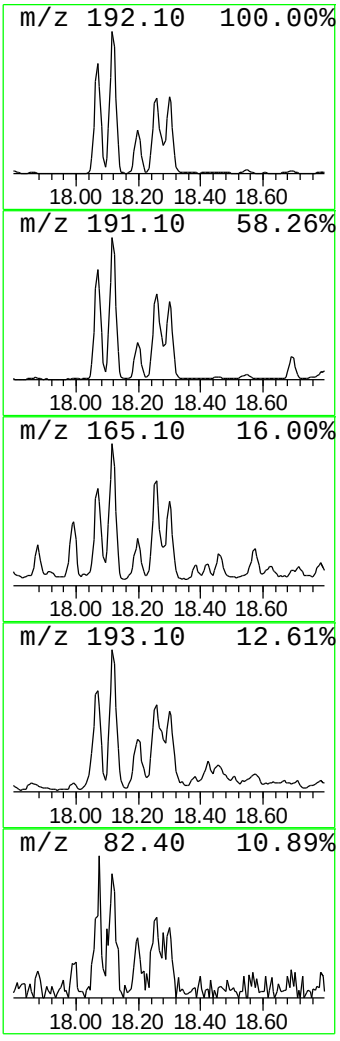
Peak Number 7 Anthracene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	3.40 ng/ul	910178	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89





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ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6DL

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Quant Title : SVOA CALIBRATION

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

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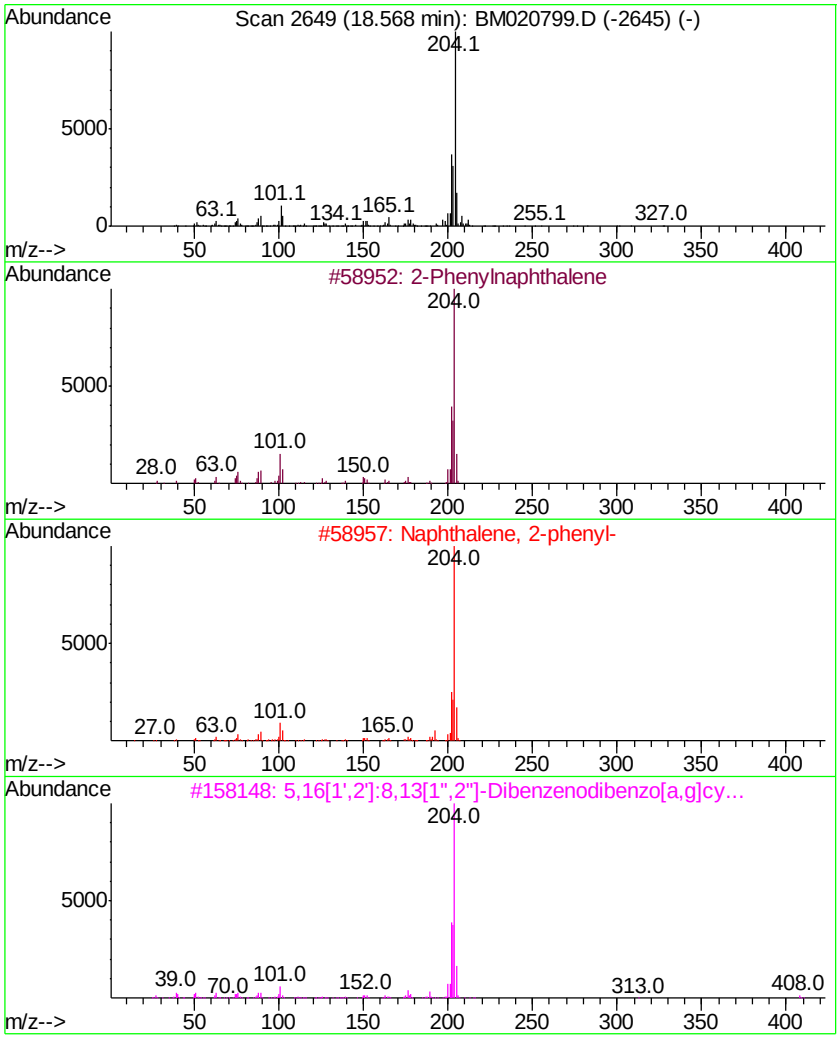
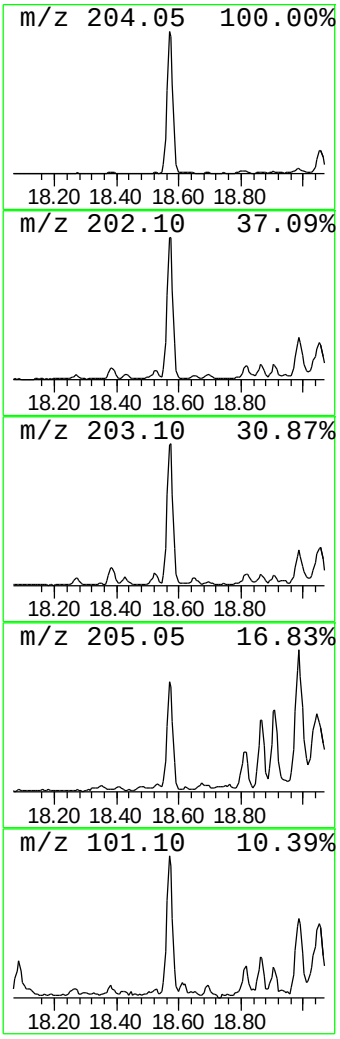
Peak Number 8 2-Phenylnaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	4.11 ng/ul	1102130	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





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Quant Title : SVOA CALIBRATION

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

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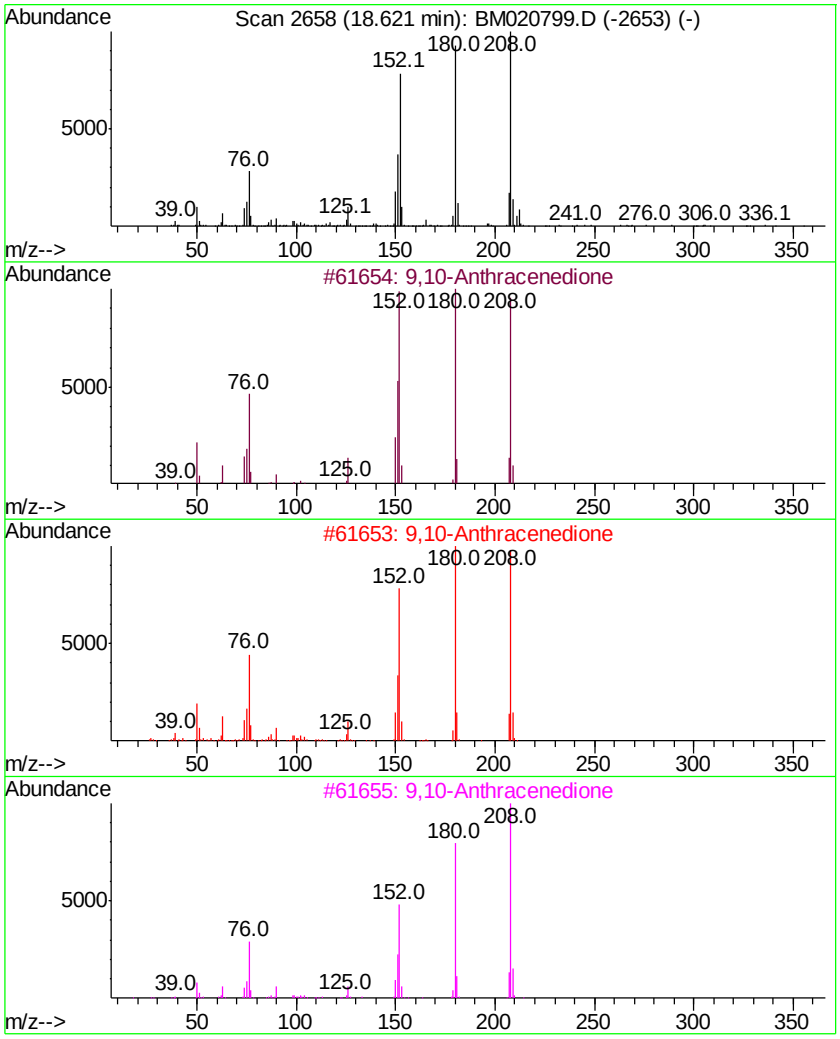
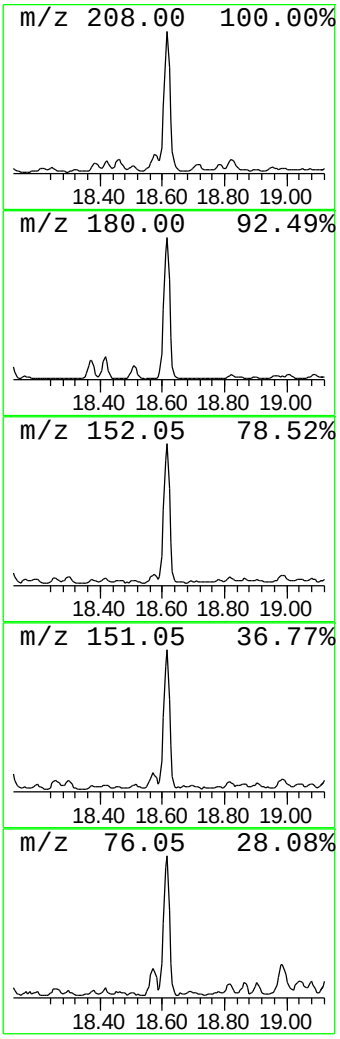
Peak Number 9 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	4.51 ng/ul	1210040	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	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Quant Title : SVOA CALIBRATION

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

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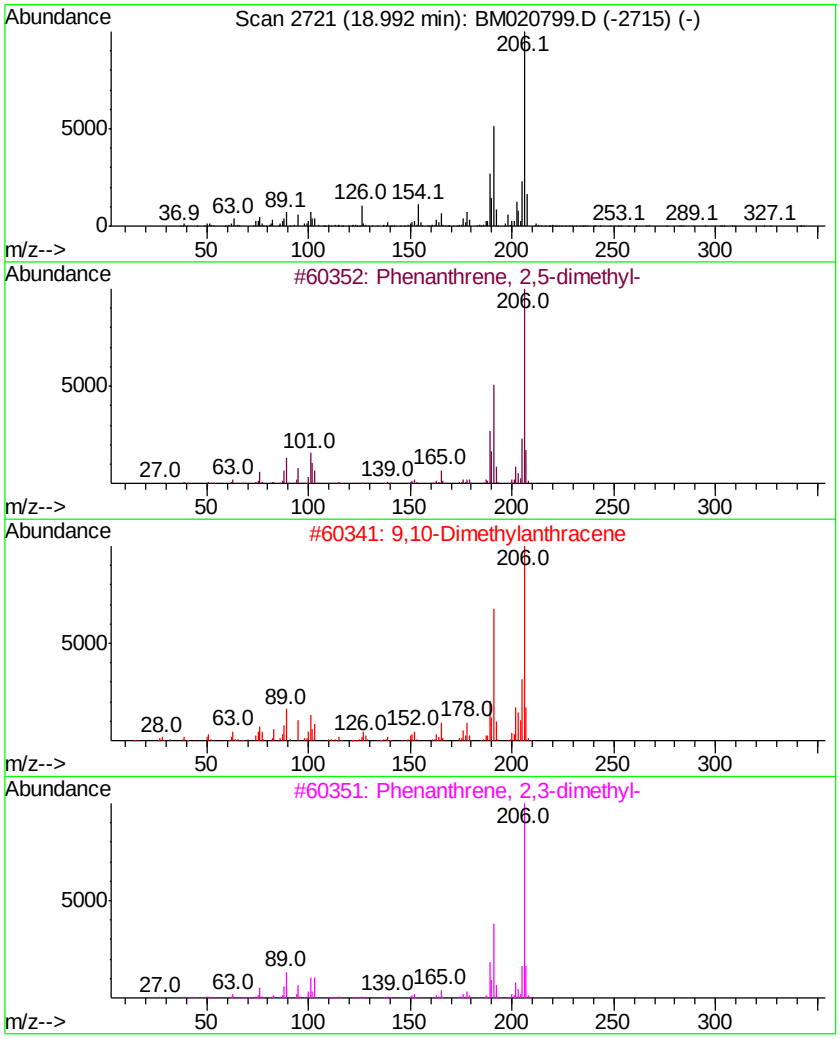
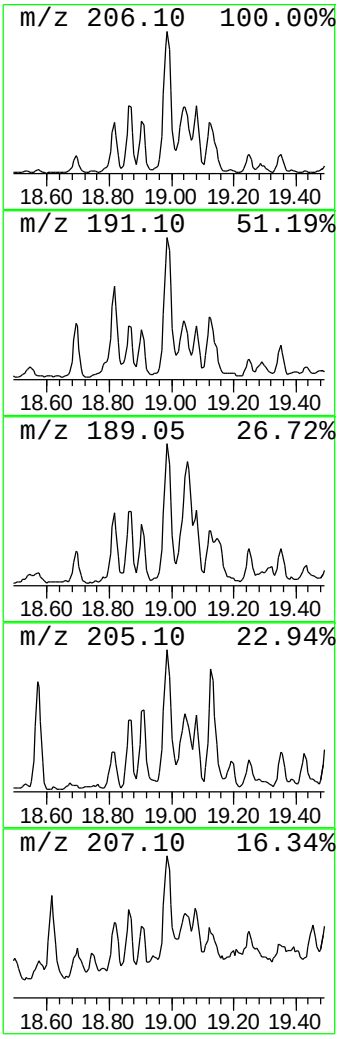
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	5.66 ng/ul	1517710	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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Misc :
ALS Vial : 7 Sample Multiplier: 1

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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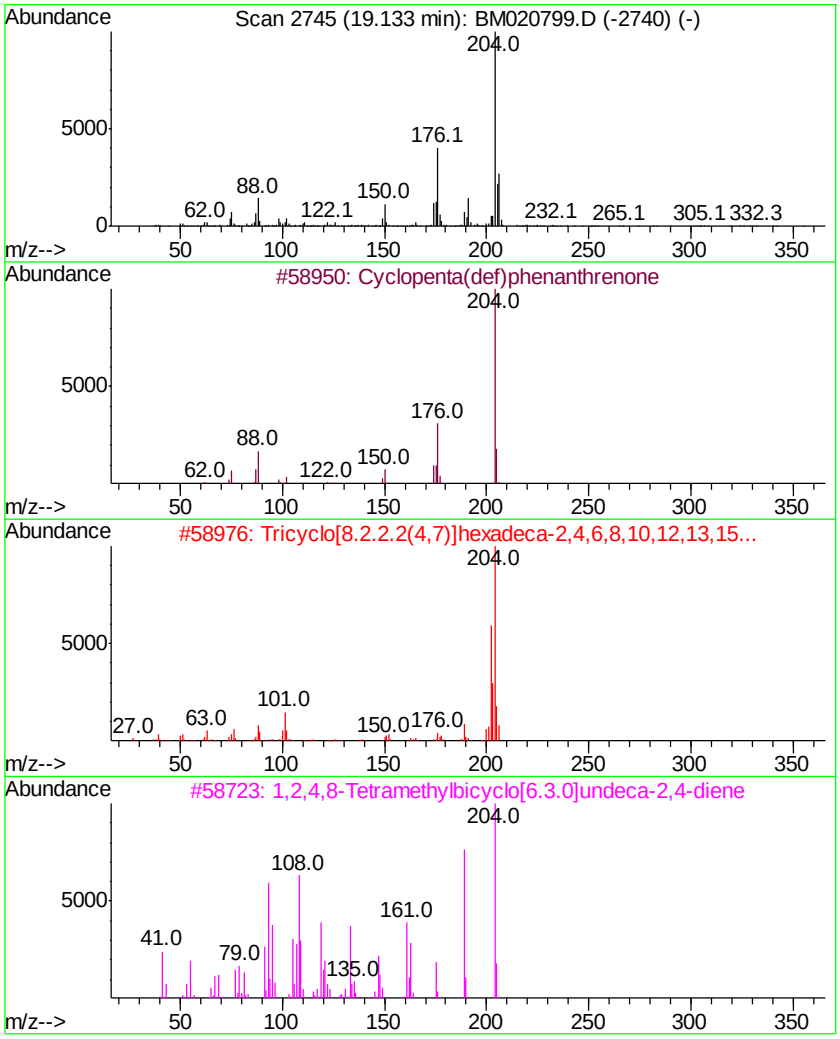
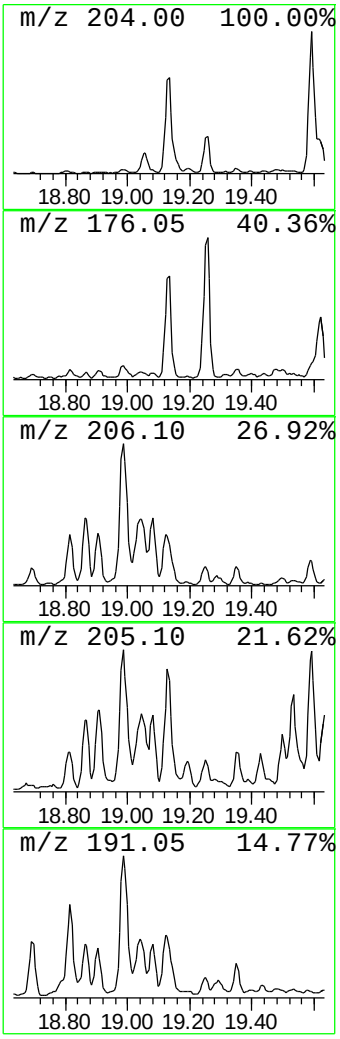
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	4.48 ng/ul	1199810	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	38
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	37





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Operator : HP/JU
Sample : K3201-05DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6DL

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Quant Title : SVOA CALIBRATION

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

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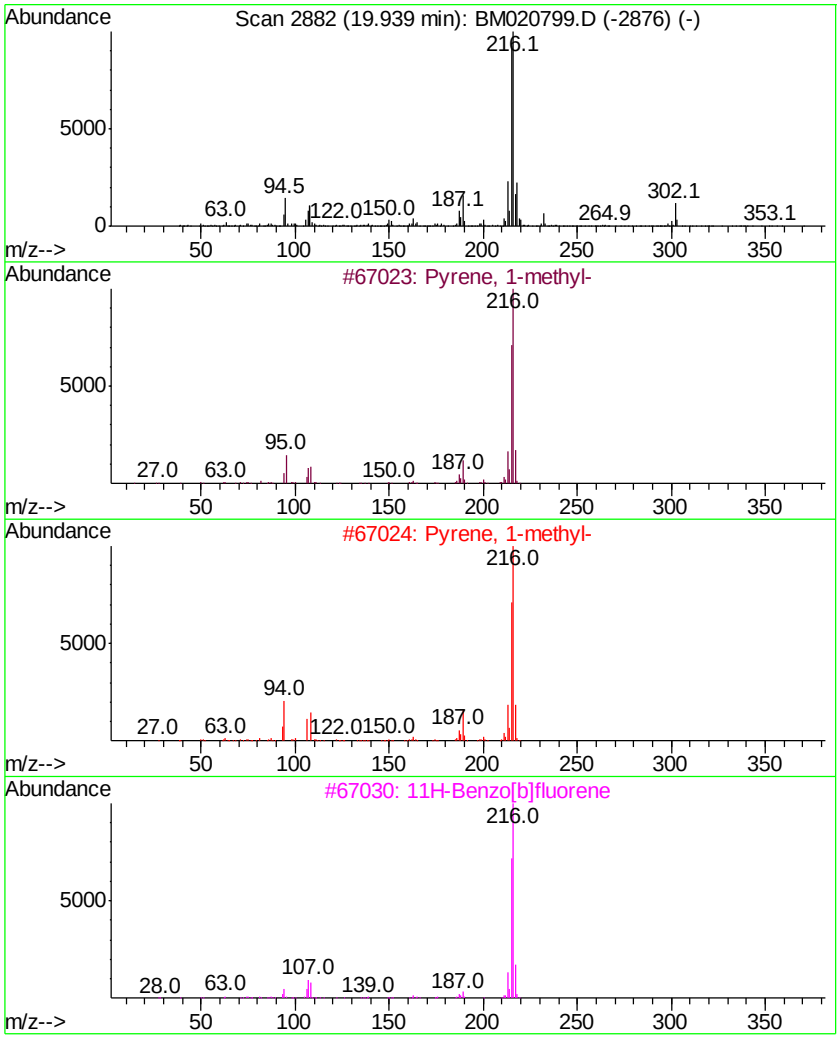
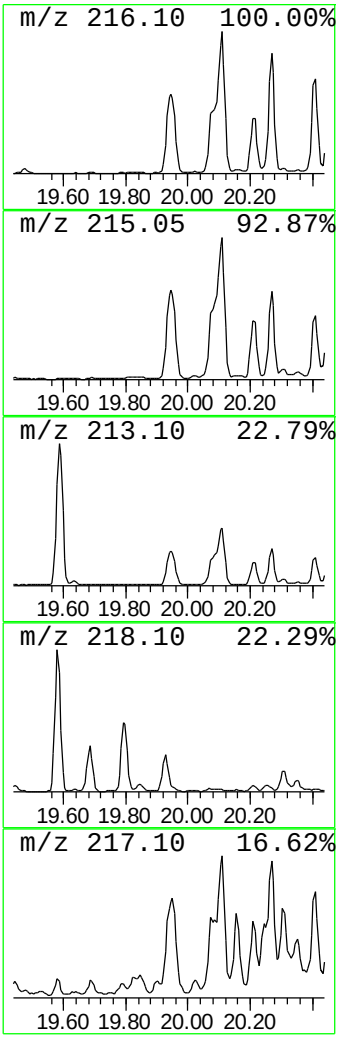
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	3.22 ng/ul	2347300	Chrysene-d12	21.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





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Misc :
ALS Vial : 7 Sample Multiplier: 1

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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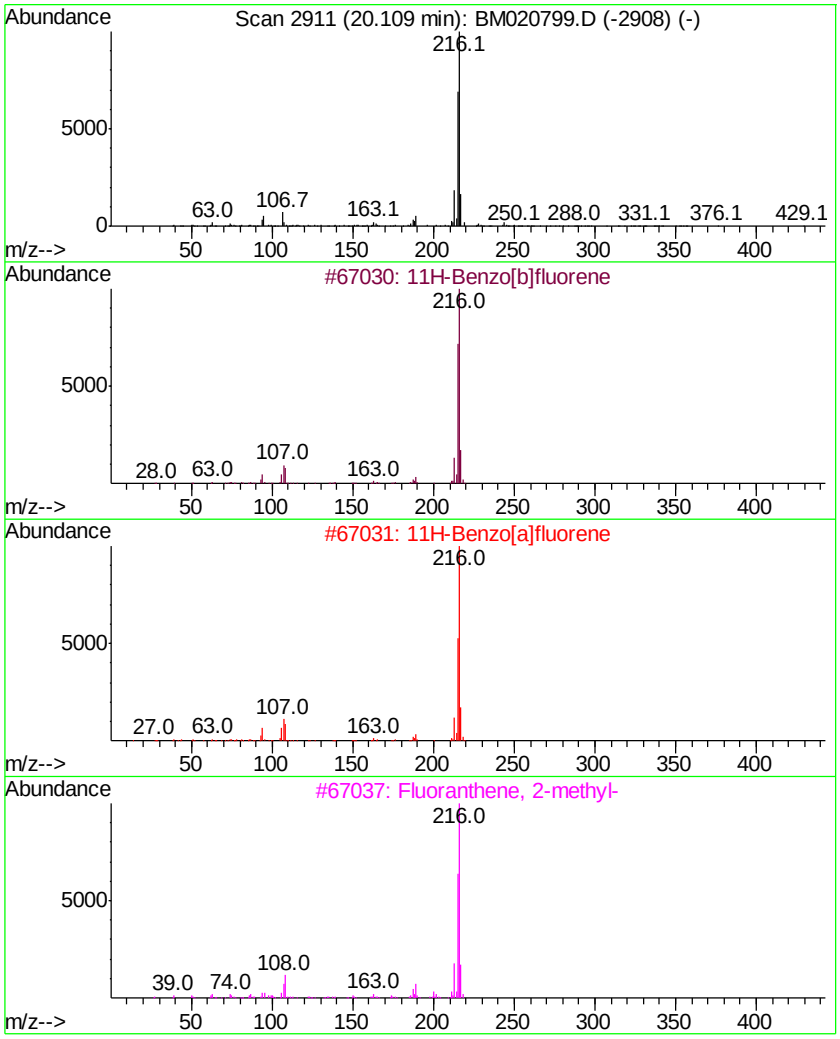
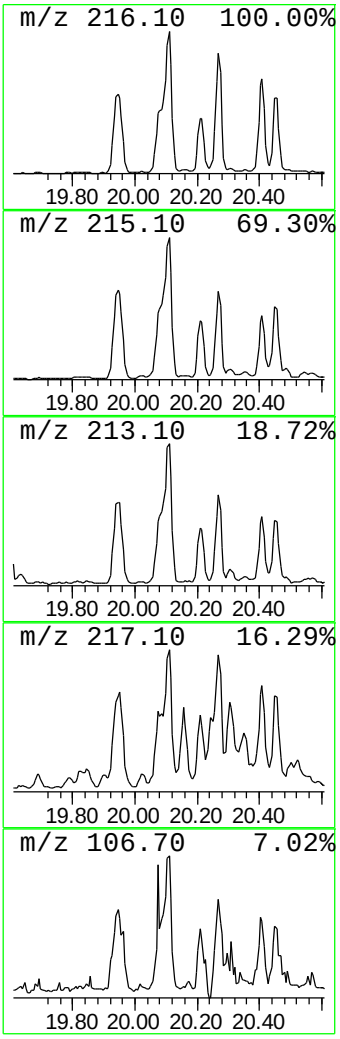
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	2.24 ng/ul	1630570	Chrysene-d12	21.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Instrument : BNA_M
ClientSampleId : C0AB6DL

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Quant Title : SVOA CALIBRATION

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

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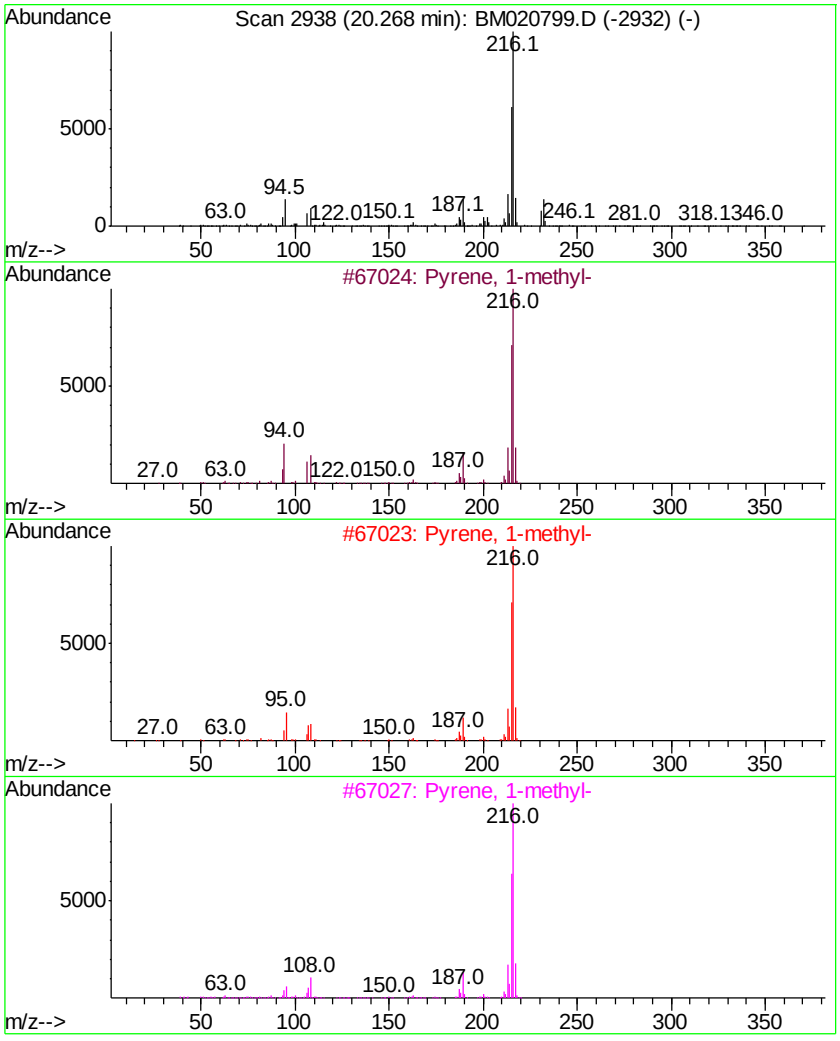
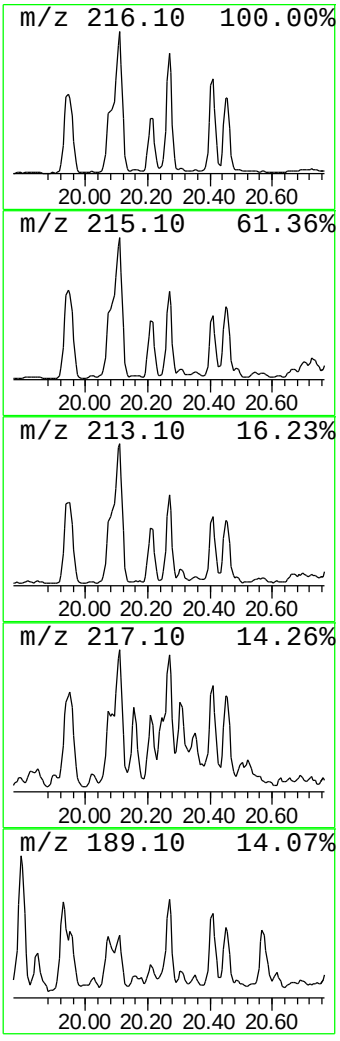
Peak Number 14 Pyrene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	2.39 ng/ul	1737630	Chrysene-d12	21.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94





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Quant Title : SVOA CALIBRATION

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

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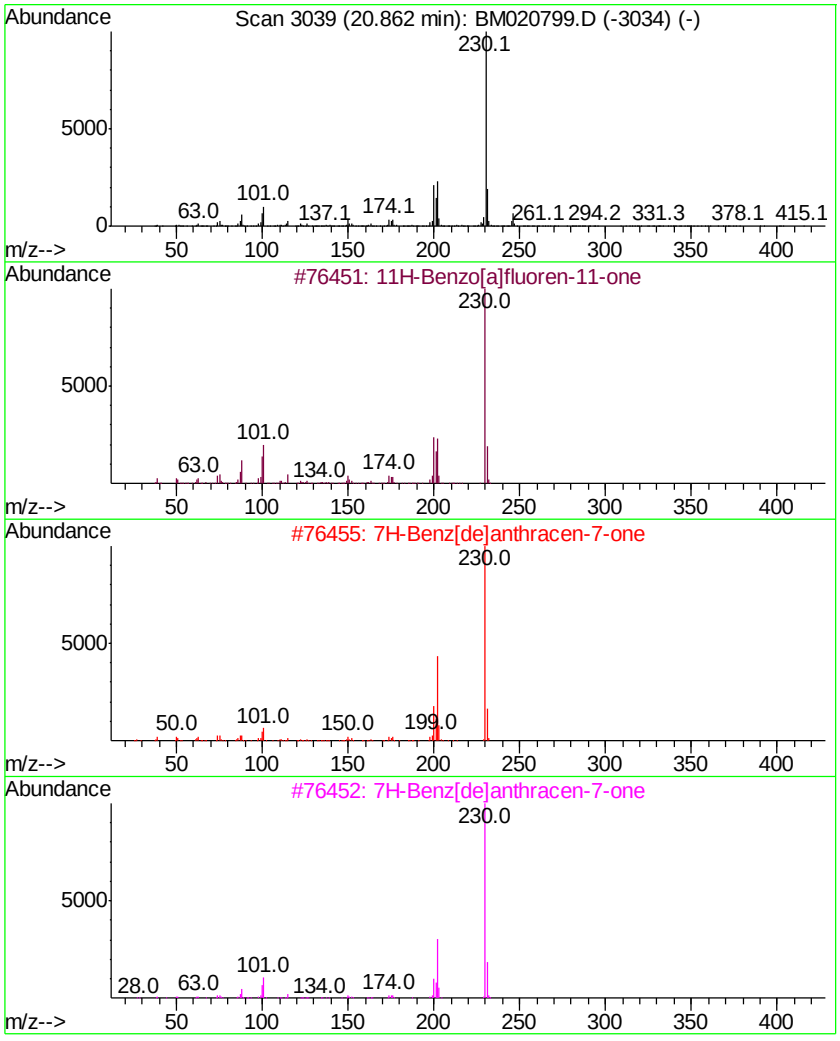
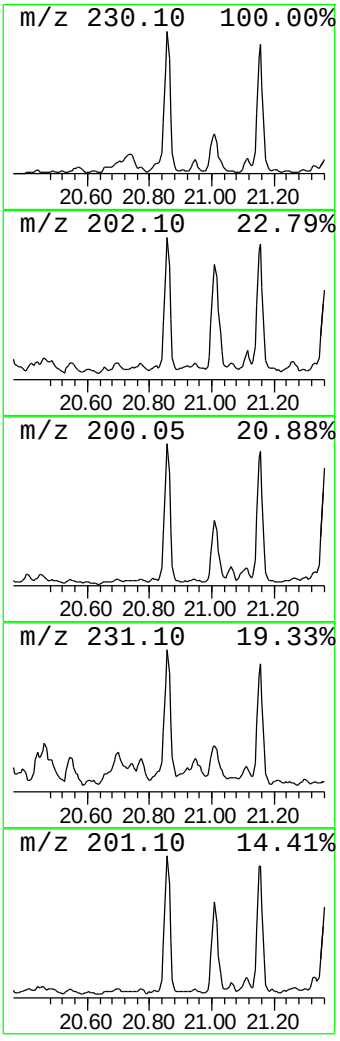
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	2.73 ng/ul	1988850	Chrysene-d12	21.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
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	89
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81





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Quant Title : SVOA CALIBRATION

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

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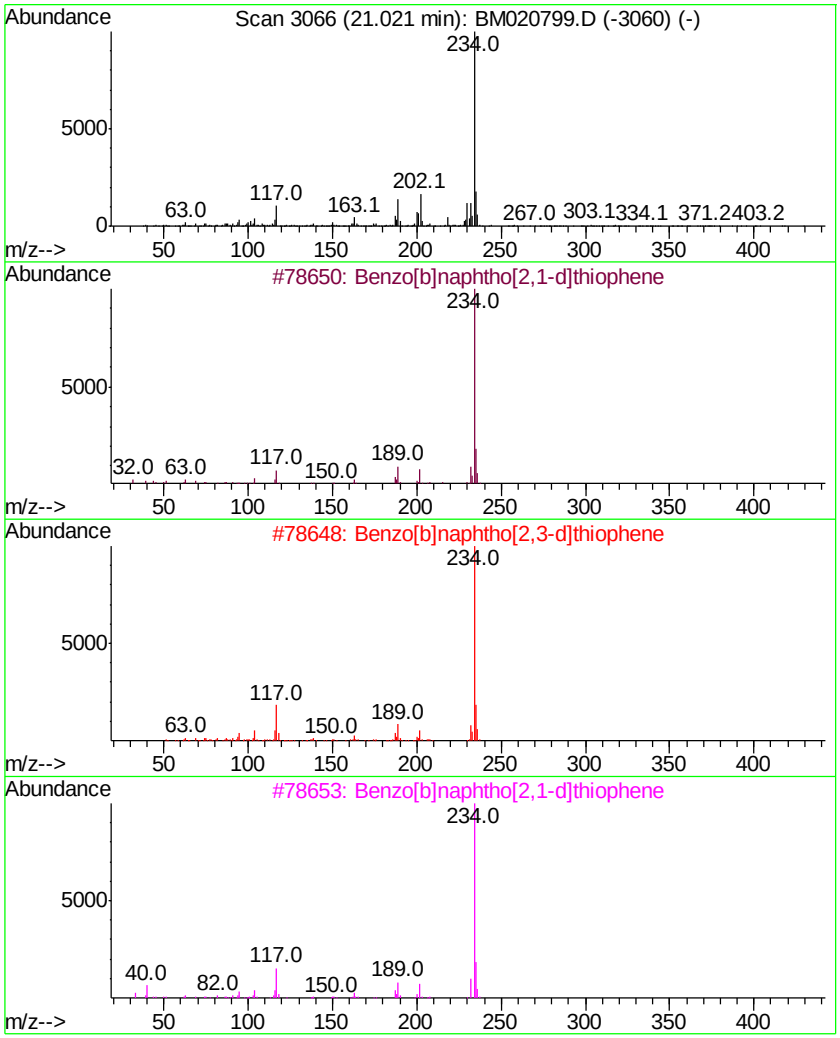
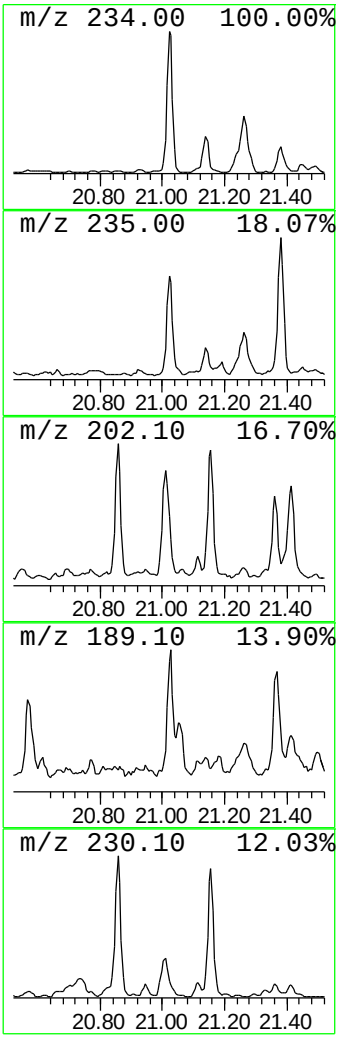
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	2.66 ng/ul	1937900	Chrysene-d12	21.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81





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Acq On : 07 Jun 2019 12:04
Operator : HP/JU
Sample : K3201-05DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6DL

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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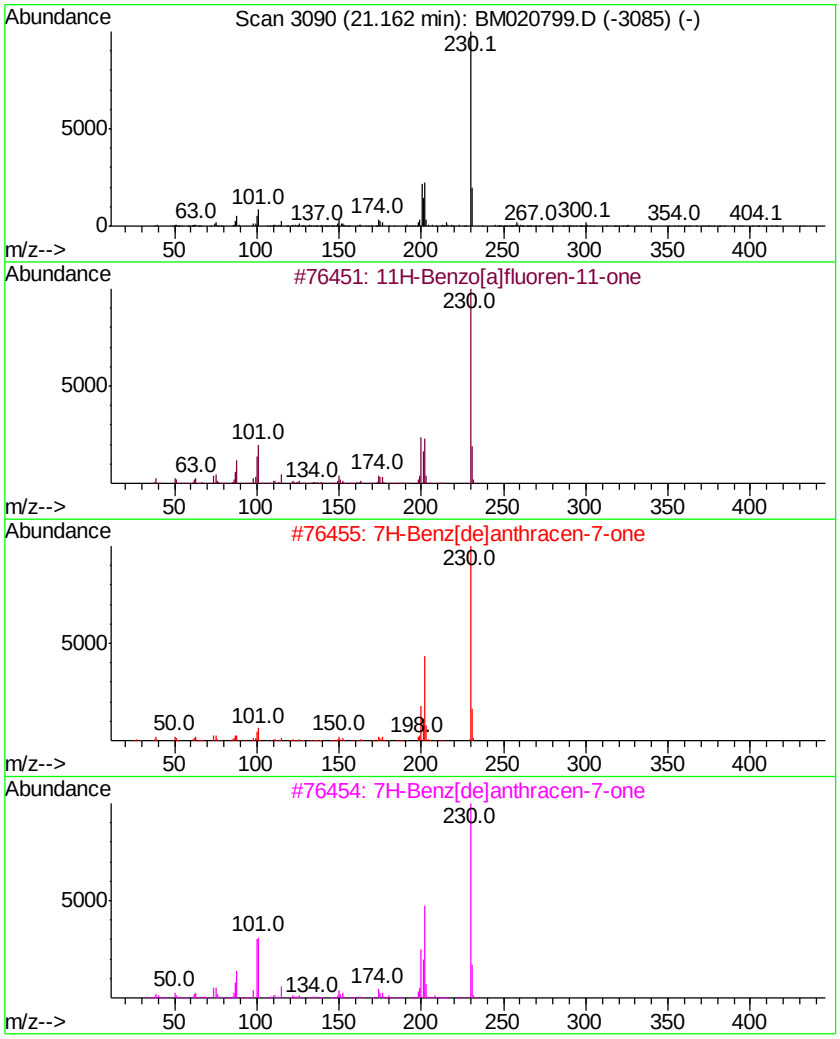
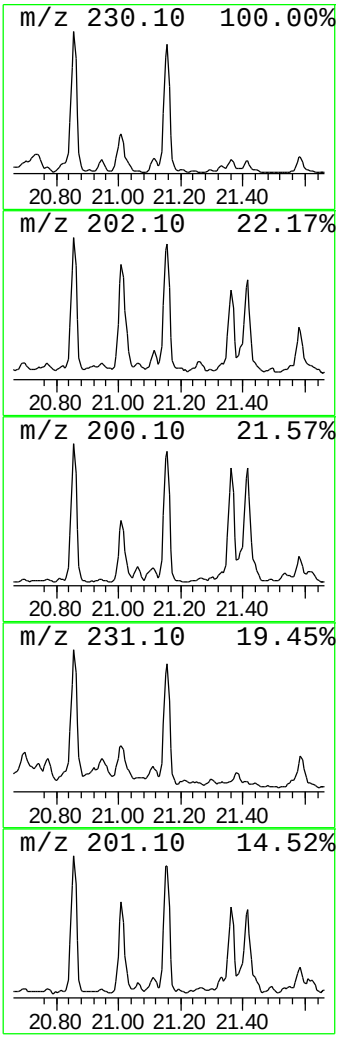
Peak Number 17 7H-Benz[de]anthracen-7-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.16	2.51 ng/ul	1828520	Chrysene-d12	21.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
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	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020799.D
Acq On : 07 Jun 2019 12:04
Operator : HP/JU
Sample : K3201-05DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6DL

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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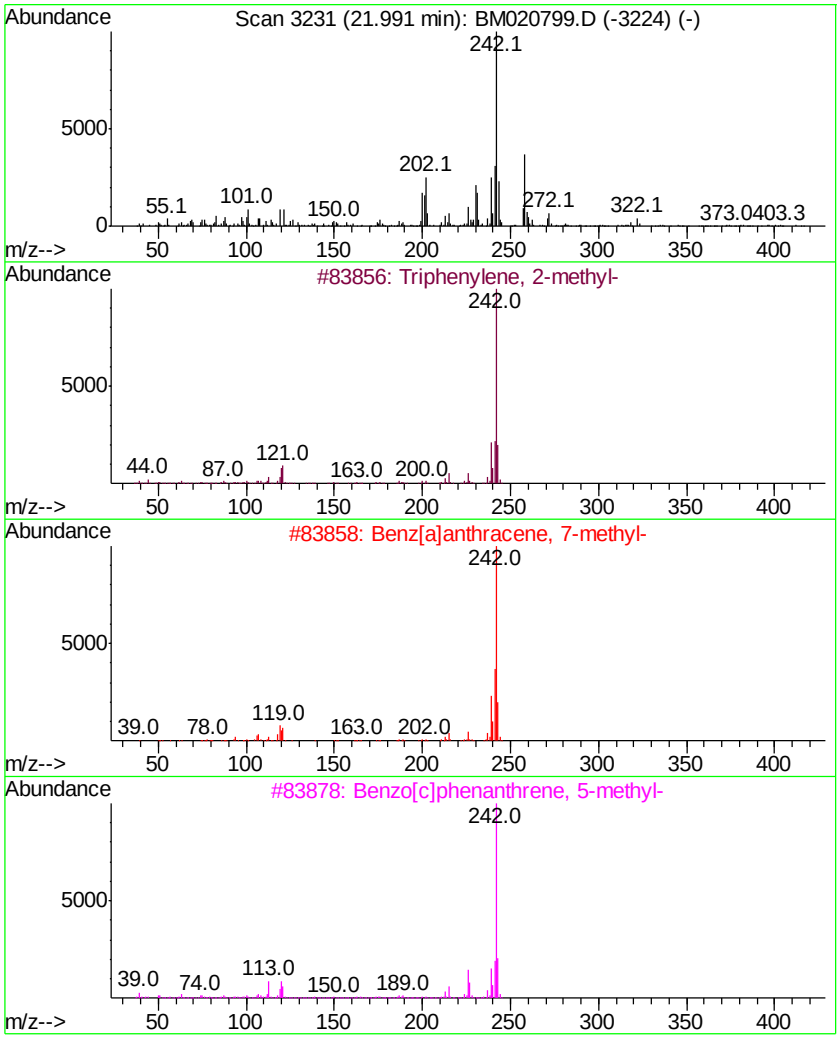
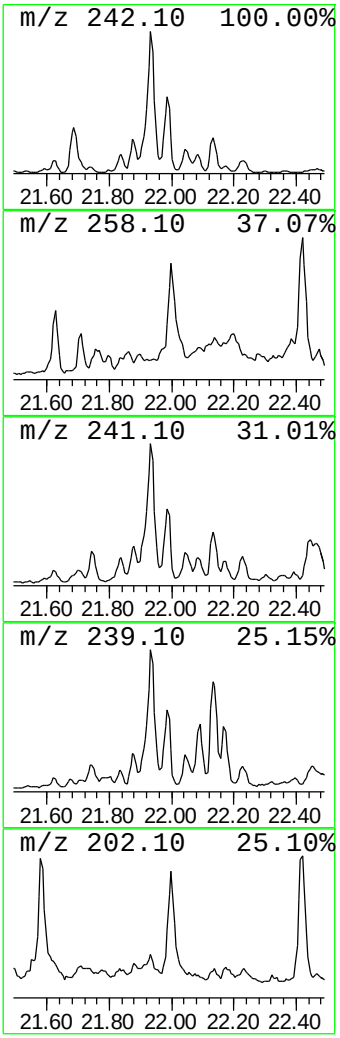
Peak Number 18 Triphenylene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.99	2.38 ng/ul	1733980	Chrysene-d12	21.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	92
3	Benzo[c]phenanthrene, 5-methyl-	242	C19H14	000652-04-0	92
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	86
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020799.D
Acq On : 07 Jun 2019 12:04
Operator : HP/JU
Sample : K3201-05DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6DL

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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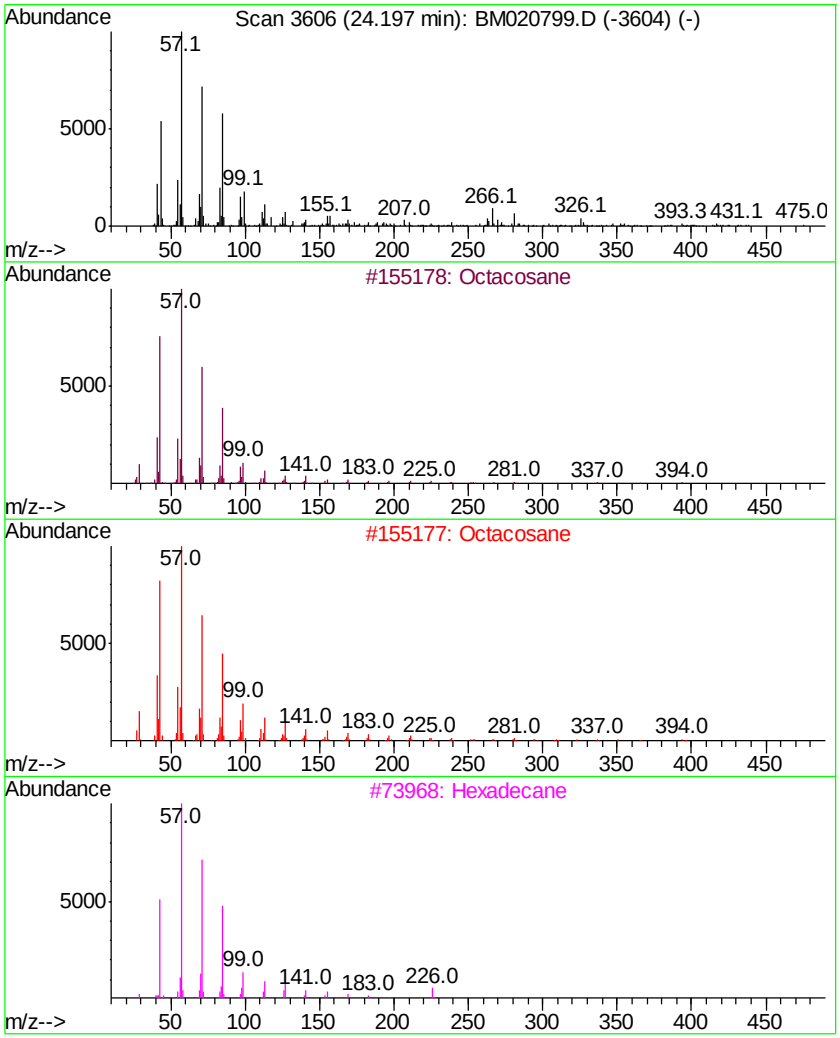
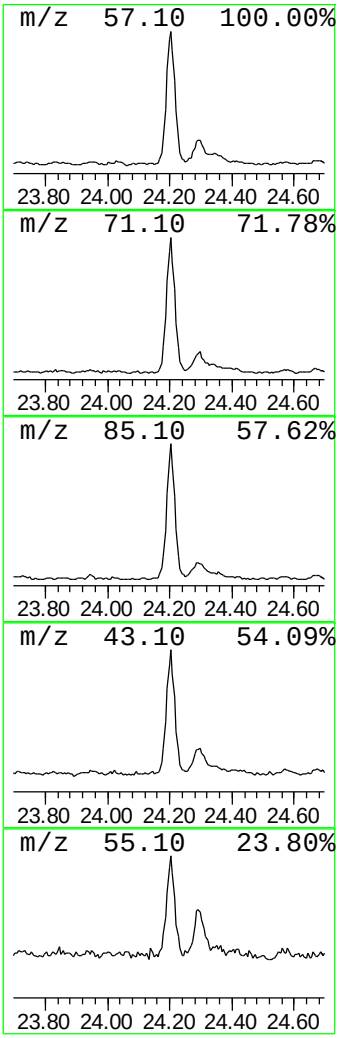
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.20	4.63 ng/ul	1290410	Perylene-d12	23.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	92
2	Octacosane	394	C28H58	000630-02-4	89
3	Hexadecane	226	C16H34	000544-76-3	76
4	Docosane, 11-butyl-	366	C26H54	013475-76-8	76
5	Tetracosane	338	C24H50	000646-31-1	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060719\
Data File : BM020799.D
Acq On : 07 Jun 2019 12:04
Operator : HP/JU
Sample : K3201-05DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB6DL

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	33.4	ng/ul	4362710	1	7.81	2610580	20.0
9H-Fluoren-9-one	16.85	2.2	ng/ul	597744	4	17.20	5360130	20.0
Phenanthrene, 2-m...	18.07	8.6	ng/ul	2311030	4	17.20	5360130	20.0
Phenanthrene, 1-m...	18.12	7.3	ng/ul	1965270	4	17.20	5360130	20.0
Anthracene, 1-met...	18.20	2.1	ng/ul	558336	4	17.20	5360130	20.0
4H-Cyclopenta[def...	18.26	8.7	ng/ul	2322310	4	17.20	5360130	20.0
Anthracene, 9-met...	18.30	3.4	ng/ul	910178	4	17.20	5360130	20.0
2-Phenylnaphthalene	18.57	4.1	ng/ul	1102130	4	17.20	5360130	20.0
9,10-Anthracenedione	18.62	4.5	ng/ul	1210040	4	17.20	5360130	20.0
Phenanthrene, 2,5...	18.99	5.7	ng/ul	1517710	4	17.20	5360130	20.0
Cyclopenta(def)ph...	19.13	4.5	ng/ul	1199810	4	17.20	5360130	20.0
Pyrene, 1-methyl-	19.94	3.2	ng/ul	2347300	5	21.38	14567400	20.0
11H-Benzo[b]fluorene	20.11	2.2	ng/ul	1630570	5	21.38	14567400	20.0
Pyrene, 4-methyl-	20.27	2.4	ng/ul	1737630	5	21.38	14567400	20.0
11H-Benzo[a]fluor...	20.86	2.7	ng/ul	1988850	5	21.38	14567400	20.0
Benzo[b]naphtho[2...	21.02	2.7	ng/ul	1937900	5	21.38	14567400	20.0
7H-Benz[de]anthra...	21.16	2.5	ng/ul	1828520	5	21.38	14567400	20.0
Triphenylene, 2-m...	21.99	2.4	ng/ul	1733980	5	21.38	14567400	20.0
(DEL) Alkane: Str...	24.20	4.6	ng/ul	1290410	6	23.67	5578770	20.0