LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061019\
Data File : BM020853.D
Acq On : 11 Jun 2019 02:01
Operator : HP/JU
Sample : K3017-16
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A51E9

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	8850188	10466700	27.73%	2.720%
2	3.816	136	141	148	rVB	242573	303349	0.80%	0.079%
3	6.969	670	677	688	rVB	814978	1330997	3.53%	0.346%
4	7.145	701	707	718	rBV	631485	1018372	2.70%	0.265%
5	7.339	733	740	751	rVB	846431	1363888	3.61%	0.354%
6	7.810	812	820	826	rBV	1305113	2124715	5.63%	0.552%
7	8.504	931	938	949	rBV	978249	1574627	4.17%	0.409%
8	8.969	1009	1017	1025	rBV	773532	1286152	3.41%	0.334%
9	9.686	1129	1139	1146	rBV	621819	1041191	2.76%	0.271%
10	10.216	1221	1229	1237	rBV	1049009	1730509	4.58%	0.450%
11	10.310	1237	1245	1255	rBV	444939	891761	2.36%	0.232%
12	10.598	1286	1294	1300	rBV	1772317	2914739	7.72%	0.758%
13	10.739	1312	1318	1322	rBV	136025	263526	0.70%	0.068%
14	10.786	1322	1326	1335	rVB	217275	381375	1.01%	0.099%
15	13.857	1838	1848	1852	rVV	1842426	2577435	6.83%	0.670%
16	13.904	1852	1856	1864	rVV	702832	950423	2.52%	0.247%
17	14.139	1889	1896	1914	rVB	2022415	3138915	8.31%	0.816%
18	14.445	1942	1948	1954	rVV2	2492777	3710503	9.83%	0.964%
19	14.510	1954	1959	1965	rVB	200321	302377	0.80%	0.079%
20	14.645	1975	1982	1993	rBV	497753	805074	2.13%	0.209%
21	14.845	2012	2016	2024	rVV2	140428	239218	0.63%	0.062%
22	15.439	2107	2117	2122	rBV	2686049	3733265	9.89%	0.970%
23	15.492	2122	2126	2132	rVB	287107	372262	0.99%	0.097%
24	15.557	2132	2137	2145	rBV	488649	701916	1.86%	0.182%
25	16.168	2235	2241	2247	rVB2	151931	267016	0.71%	0.069%
26	16.374	2270	2276	2278	rVV	315721	491441	1.30%	0.128%
27	16.404	2278	2281	2286	rVV	340533	462596	1.23%	0.120%
28	16.845	2351	2356	2362	rVB	544369	765992	2.03%	0.199%
29	16.904	2362	2366	2371	rBV2	218240	375297	0.99%	0.098%
30	17.009	2379	2384	2391	rVB	446319	623687	1.65%	0.162%
31	17.192	2409	2415	2418	rVV	2819142	4203478	11.13%	1.092%
32	17.233	2418	2422	2427	rVV	9608480	13564821	35.93%	3.525%
33	17.292	2427	2432	2435	rVV	2698812	3903029	10.34%	1.014%
34	17.321	2435	2437	2442	rVV	596180	745113	1.97%	0.194%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3017-16
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A51E9

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	17.386	2442	2448	2457	rVB	648170	1029853	2.73%	0.268%
36	17.592	2472	2483	2495	rBV	1595361	2854544	7.56%	0.742%
37	17.709	2495	2503	2508	rVV3	197944	349398	0.93%	0.091%
38	17.768	2509	2513	2520	rVB4	143126	248048	0.66%	0.064%
39	18.068	2558	2564	2568	rVV2	815371	1873565	4.96%	0.487%
40	18.109	2568	2571	2577	rVB	1170059	1642951	4.35%	0.427%
41	18.256	2590	2596	2600	rVV3	1392802	2354662	6.24%	0.612%
42	18.298	2600	2603	2608	rVB	492467	638406	1.69%	0.166%
43	18.374	2612	2616	2619	rVV3	164445	256820	0.68%	0.067%
44	18.415	2619	2623	2626	rVV2	170038	259568	0.69%	0.067%
45	18.568	2644	2649	2652	rVV	832051	1182012	3.13%	0.307%
46	18.609	2652	2656	2662	rVB	3701810	5046642	13.37%	1.312%
47	18.809	2686	2690	2694	rVV2	215758	293076	0.78%	0.076%
48	18.862	2695	2699	2702	rVV	196518	253435	0.67%	0.066%
49	18.992	2715	2721	2726	rBV3	661275	1378291	3.65%	0.358%
50	19.127	2739	2744	2750	rBV	1116021	1596378	4.23%	0.415%
51	19.256	2757	2766	2771	rBV	26153690	36656534	97.10%	9.527%
52	19.309	2771	2775	2778	rBV2	196294	265113	0.70%	0.069%
53	19.356	2778	2783	2787	rBV2	527556	904009	2.39%	0.235%
54	19.445	2793	2798	2801	rBV3	437694	726210	1.92%	0.189%
55	19.492	2802	2806	2810	rVB	690834	928153	2.46%	0.241%
56	19.586	2816	2822	2823	rBV3	5675198	8019112	21.24%	2.084%
57	19.615	2823	2827	2833	rVV	19819643	28047043	74.29%	7.289%
58	19.680	2833	2838	2844	rVB3	810041	1180156	3.13%	0.307%
59	19.786	2852	2856	2861	rVB	860066	1193867	3.16%	0.310%
60	19.850	2862	2867	2873	rVB	917101	1322382	3.50%	0.344%
61	19.927	2875	2880	2882	rBV	892272	1481268	3.92%	0.385%
62	19.992	2887	2891	2898	rBV2	465411	675587	1.79%	0.176%
63	20.062	2898	2903	2906	rBV4	850988	1599825	4.24%	0.416%
64	20.103	2906	2910	2915	rVB	2040832	3019834	8.00%	0.785%
65	20.203	2923	2927	2931	rBV	1258329	1657162	4.39%	0.431%
66	20.262	2931	2937	2941	rVV3	1249477	2199468	5.83%	0.572%
67	20.297	2941	2943	2947	rVB	526785	576630	1.53%	0.150%
68	20.339	2947	2950	2955	rBV2	297595	400834	1.06%	0.104%
69	20.403	2957	2961	2964	rBV	559786	701372	1.86%	0.182%
70	20.450	2964	2969	2972	rBV3	663669	946462	2.51%	0.246%
71	20.809	3027	3030	3032	rBV2	197849	244232	0.65%	0.063%

LSC Area Percent Report

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Acq On : 11 Jun 2019 02:01
Operator : HP/JU
Sample : K3017-16
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A51E9

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	20.850	3032	3037	3043	rVB	2715849	3484603	9.23%	0.906%
73	21.015	3058	3065	3069	rBV2	3215277	5438918	14.41%	1.414%
74	21.056	3069	3072	3074	rVV	1797767	2414634	6.40%	0.628%
75	21.092	3074	3078	3083	rVV3	2109874	4387741	11.62%	1.140%
76	21.150	3083	3088	3098	rVB2	3104723	4770822	12.64%	1.240%
77	21.256	3102	3106	3108	rBV	747235	941508	2.49%	0.245%
78	21.356	3114	3123	3128	rBV3	11017993	21991415	58.25%	5.716%
79	21.409	3128	3132	3141	rVB	13884882	19103188	50.60%	4.965%
80	21.521	3147	3151	3156	rBV2	1654610	2296535	6.08%	0.597%
81	21.574	3157	3160	3166	rVV3	865168	1363052	3.61%	0.354%
82	21.686	3174	3179	3184	rBV2	1704316	2896268	7.67%	0.753%
83	21.733	3184	3187	3191	rVB2	468265	592727	1.57%	0.154%
84	21.862	3206	3209	3212	rBV2	462123	683992	1.81%	0.178%
85	21.986	3222	3230	3236	rVB3	2828464	5876345	15.57%	1.527%
86	22.127	3250	3254	3257	rBV2	981895	1413167	3.74%	0.367%
87	22.227	3267	3271	3280	rVB4	907758	1745409	4.62%	0.454%
88	22.421	3299	3304	3308	rBV3	856538	1614831	4.28%	0.420%
89	22.980	3389	3399	3404	rBV	13988430	37751296	100.00%	9.811%
90	23.144	3422	3427	3432	rBV	1198460	1894593	5.02%	0.492%
91	23.280	3446	3450	3457	rVB	732596	1312488	3.48%	0.341%
92	23.462	3475	3481	3486	rBV	7138948	13680054	36.24%	3.555%
93	23.515	3486	3490	3493	rVV2	2430679	4454197	11.80%	1.158%
94	23.562	3493	3498	3505	rVV	8994766	16236577	43.01%	4.220%
95	23.656	3509	3514	3518	rVV	2314897	4648397	12.31%	1.208%
96	23.709	3518	3523	3530	rVB2	2396446	5084974	13.47%	1.322%
97	24.191	3600	3605	3614	rVB2	1620009	3635862	9.63%	0.945%
98	24.280	3615	3620	3626	rBV2	948642	1900412	5.03%	0.494%
99	25.985	3900	3910	3920	rVB	6402976	18059213	47.84%	4.694%
100	26.703	4022	4032	4040	rBV	4024331	12465508	33.02%	3.240%

Sum of corrected areas: 384767387

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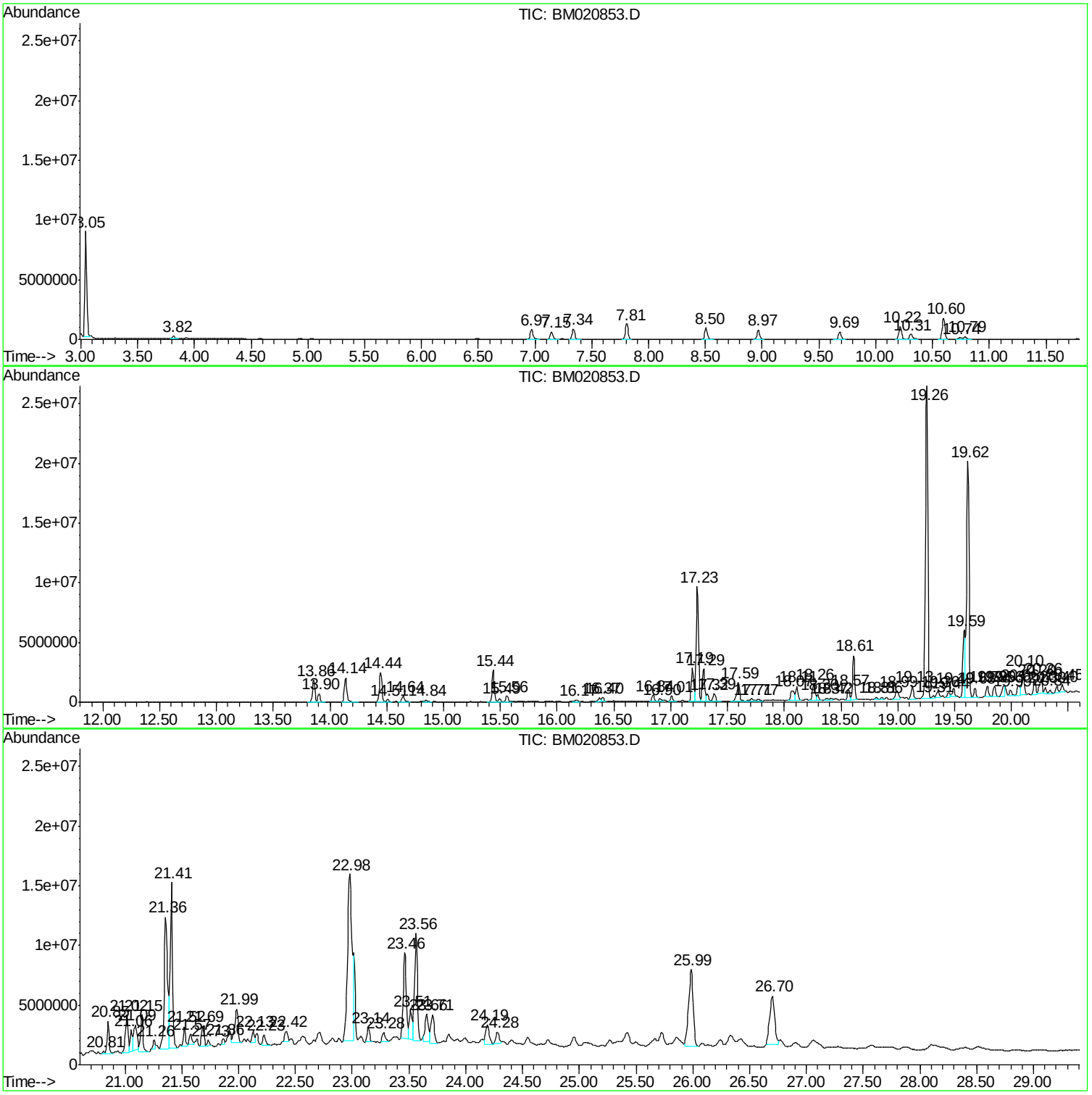
Instrument : BNA_M
ClientSampleId : A51E9

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

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

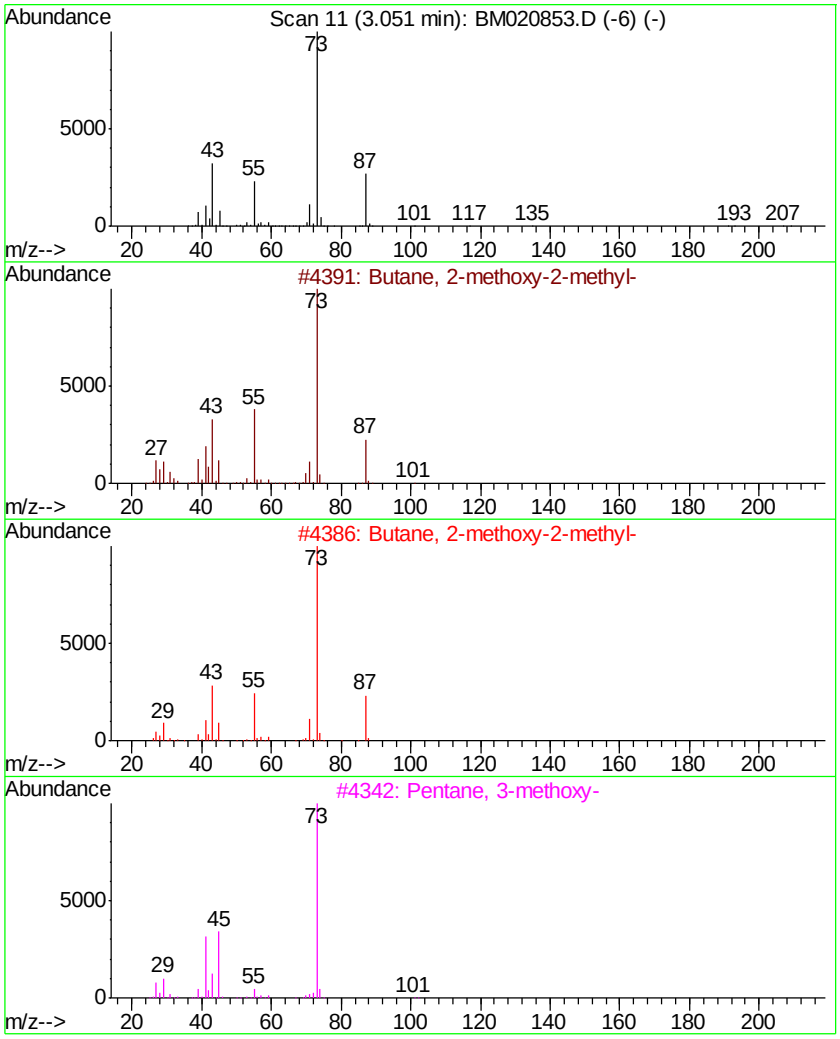
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

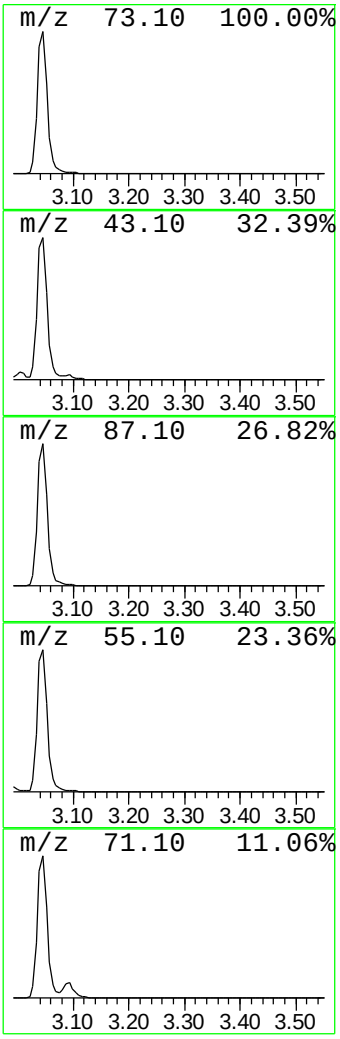
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	98.52 ng/ul	10466700	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	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : A51E9

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

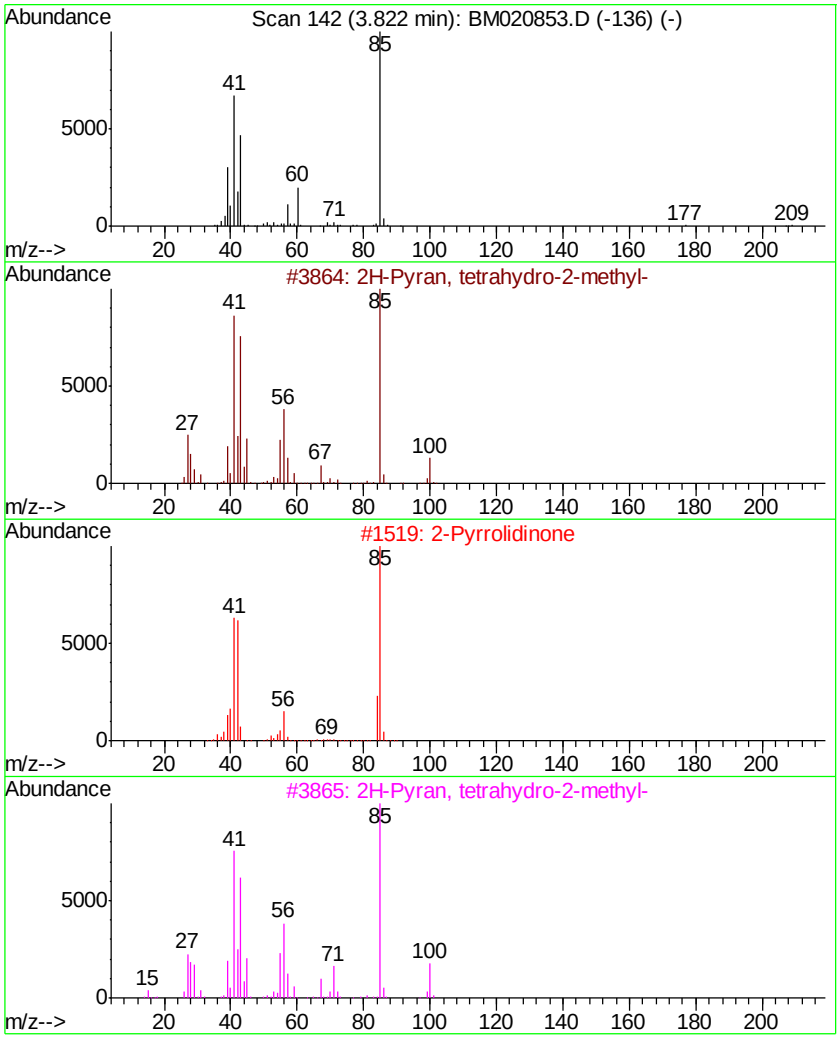
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

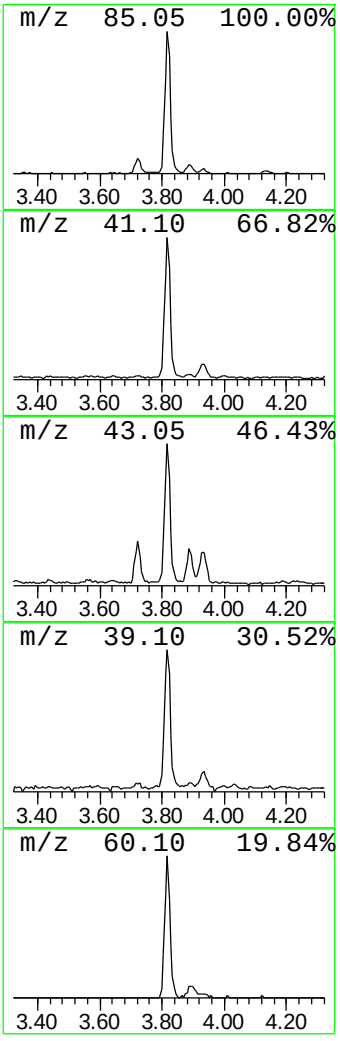
****

Peak Number 2 2H-Pyran, tetrahydro-2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.82	2.86 ng/ul	303349	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	50
2	2-Pyrrolidinone	85	C4H7NO	000616-45-5	40
3	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	38
4	Pentane, 2-bromo-4-methyl-	164	C6H13Br	030310-22-6	38
5	Methacrylamide	85	C4H7NO	000079-39-0	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

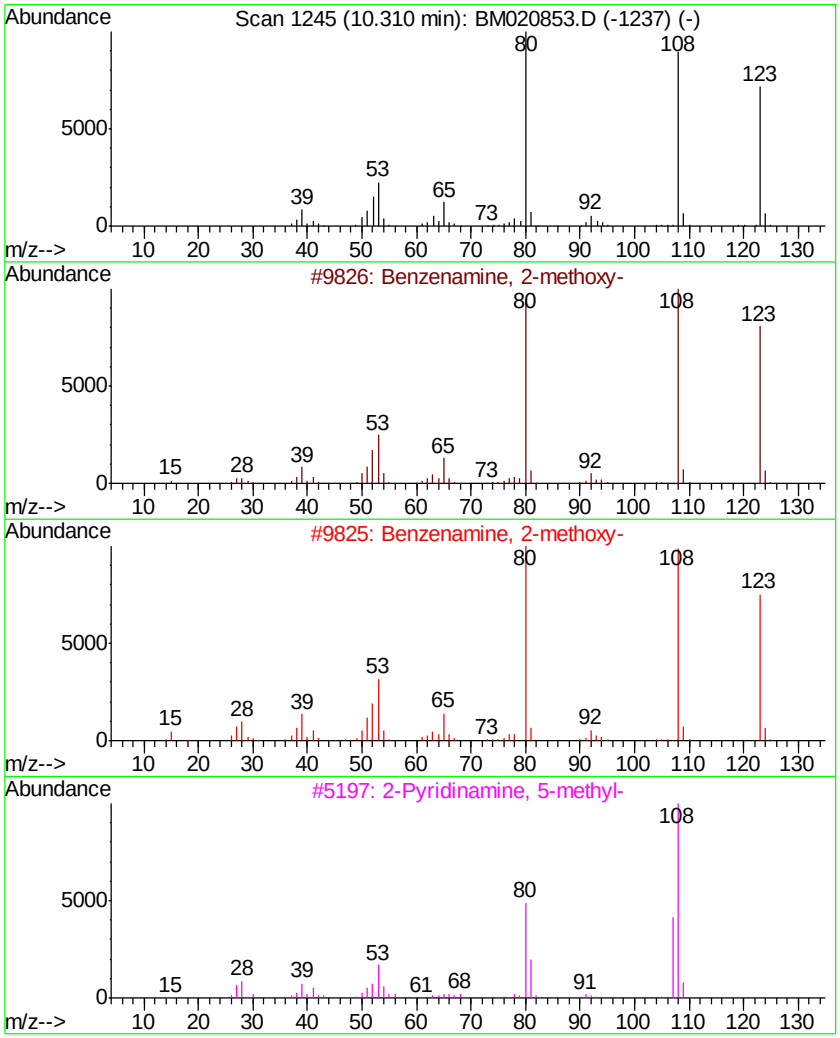
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

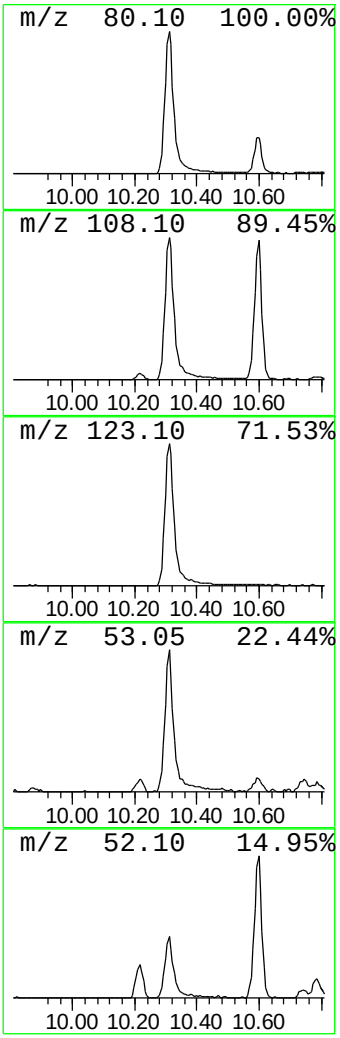
****

Peak Number 3 Benzenamine, 2-methoxy- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.31	6.12 ng/ul	891761	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 2-methoxy-	123	C7H9NO	000090-04-0	96
2	Benzenamine, 2-methoxy-	123	C7H9NO	000090-04-0	95
3	2-Pyridinamine, 5-methyl-	108	C6H8N2	001603-41-4	80
4	3-Pyridinamine, 2-methyl-	108	C6H8N2	003430-10-2	80
5	1,3-Benzenediamine	108	C6H8N2	000108-45-2	78





Library Search Compound Report

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Sample : K3017-16
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A51E9

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

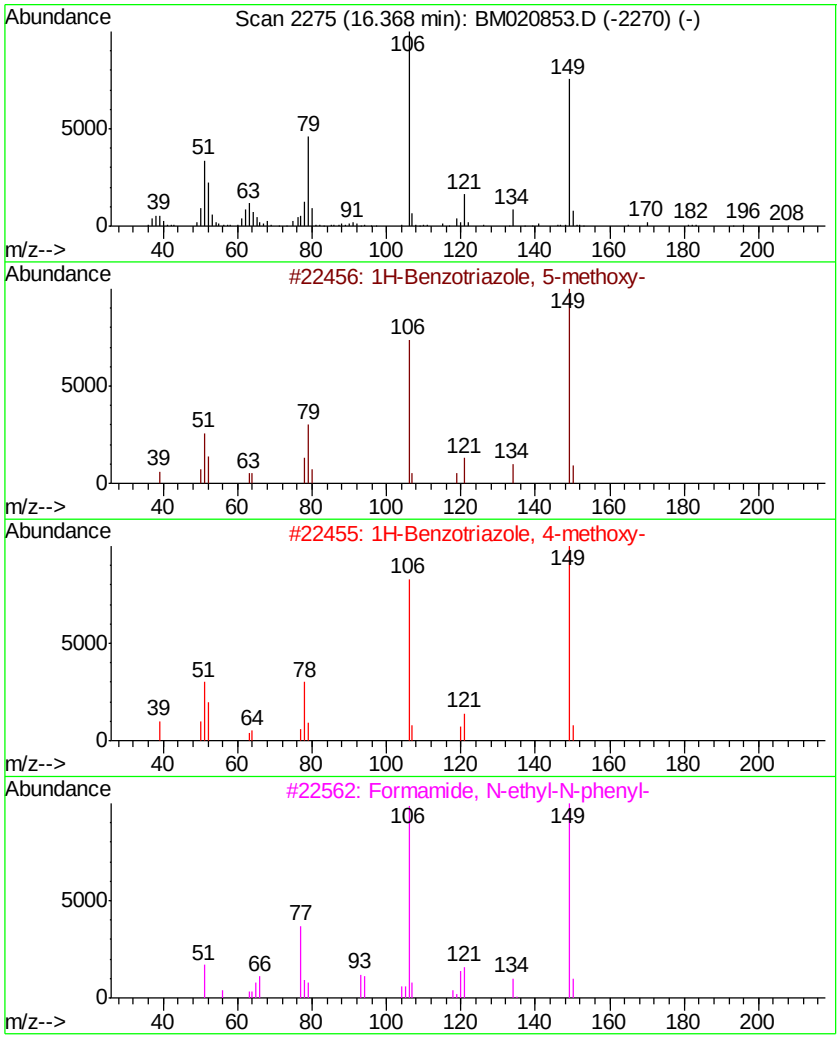
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

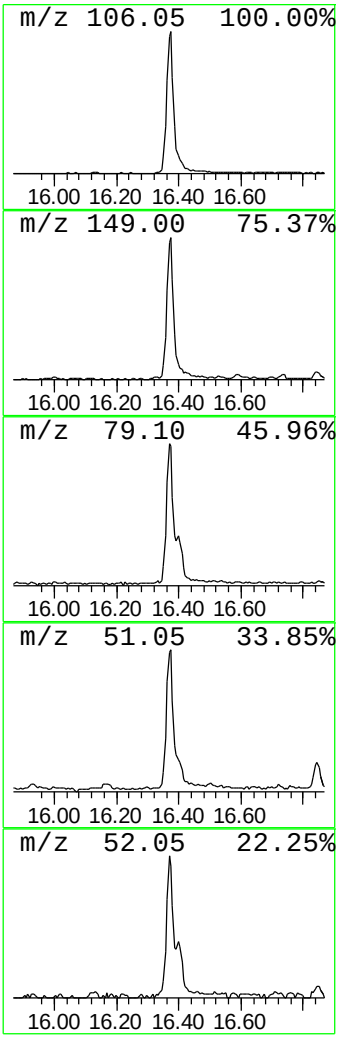
****

Peak Number 4 1H-Benzotriazole, 5-methoxy- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	2.34 ng/ul	491441	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzotriazole, 5-methoxy-	149	C7H7N3O	027799-91-3	91
2	1H-Benzotriazole, 4-methoxy-	149	C7H7N3O	027799-90-2	64
3	Formamide, N-ethyl-N-phenyl-	149	C9H11NO	005461-49-4	49
4	Benzenamine, N-butyl-	149	C10H15N	001126-78-9	43
5	Benzenamine, 4-butyl-	149	C10H15N	000104-13-2	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061019\
Data File : BM020853.D
Acq On : 11 Jun 2019 02:01
Operator : HP/JU
Sample : K3017-16
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A51E9

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

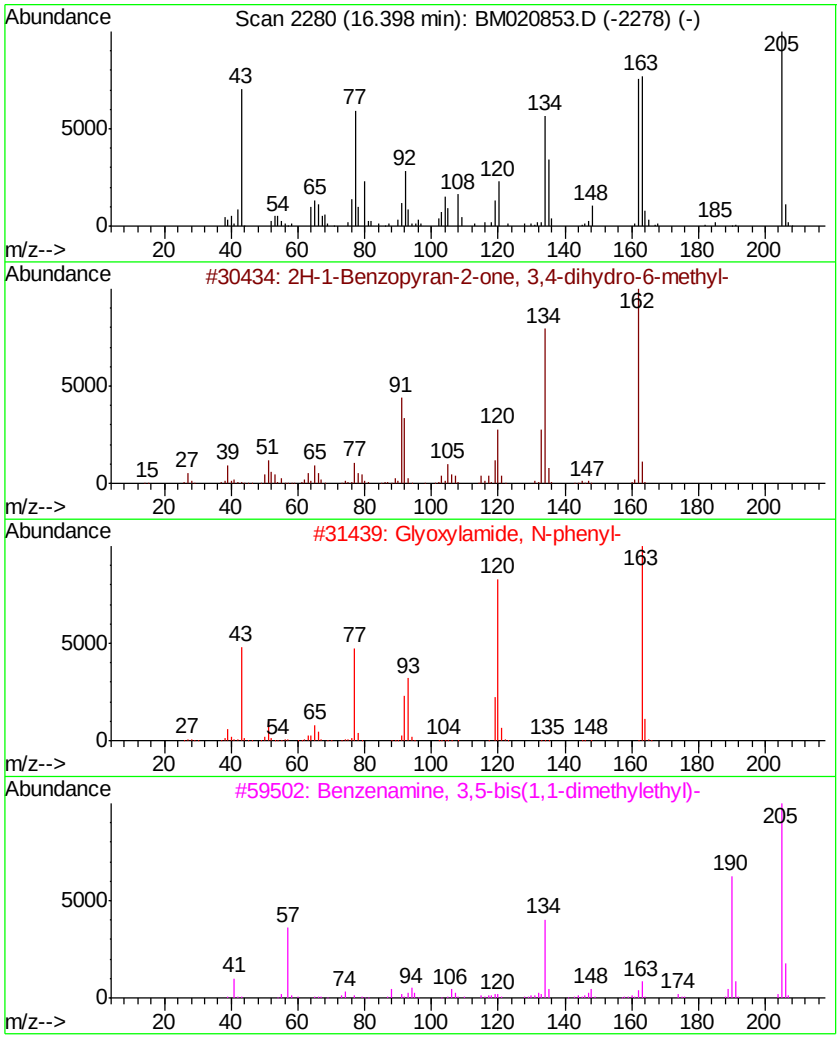
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

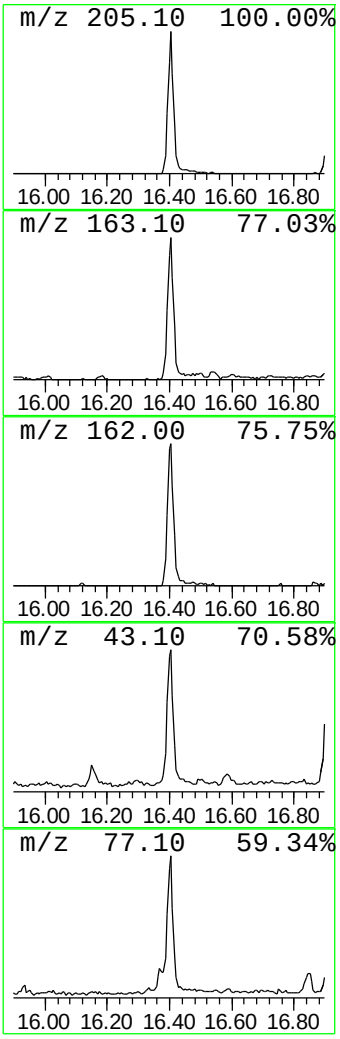
****

Peak Number 5 unknown-01 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	2.20 ng/ul	462596	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-1-Benzopyran-2-one, 3,4-dihyd...	162	C10H10O2	000092-47-7	38
2	Glyoxylamide, N-phenyl-	163	C9H9NO2	032331-52-5	30
3	Benzenamine, 3,5-bis(1,1-dimethy...	205	C14H23N	002380-36-1	27
4	4-Acetamido-2-methallylphenol	205	C12H15NO2	031011-02-6	27
5	1-Amino-4,6-dimethyl-2-oxo-1,2-d...	163	C8H9N3O	001562-12-5	18





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Operator : HP/JU
Sample : K3017-16
Misc :
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Instrument : BNA_M
ClientSampleId : A51E9

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Quant Title : SVOA CALIBRATION

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

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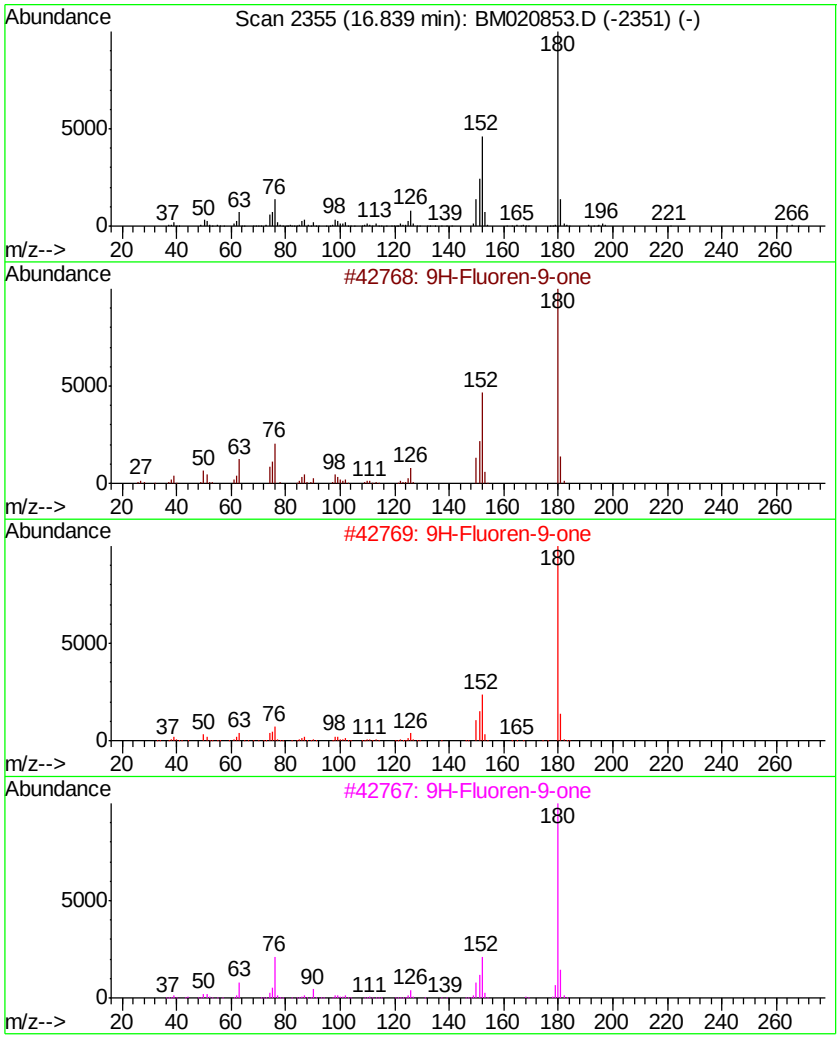
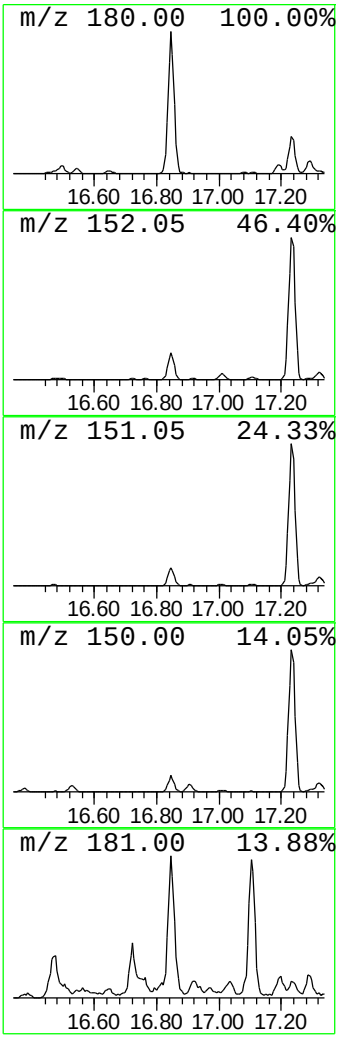
Peak Number 6 9H-Fluoren-9-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.84	3.64 ng/ul	765992	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86





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ClientSampleId : A51E9

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Quant Title : SVOA CALIBRATION

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

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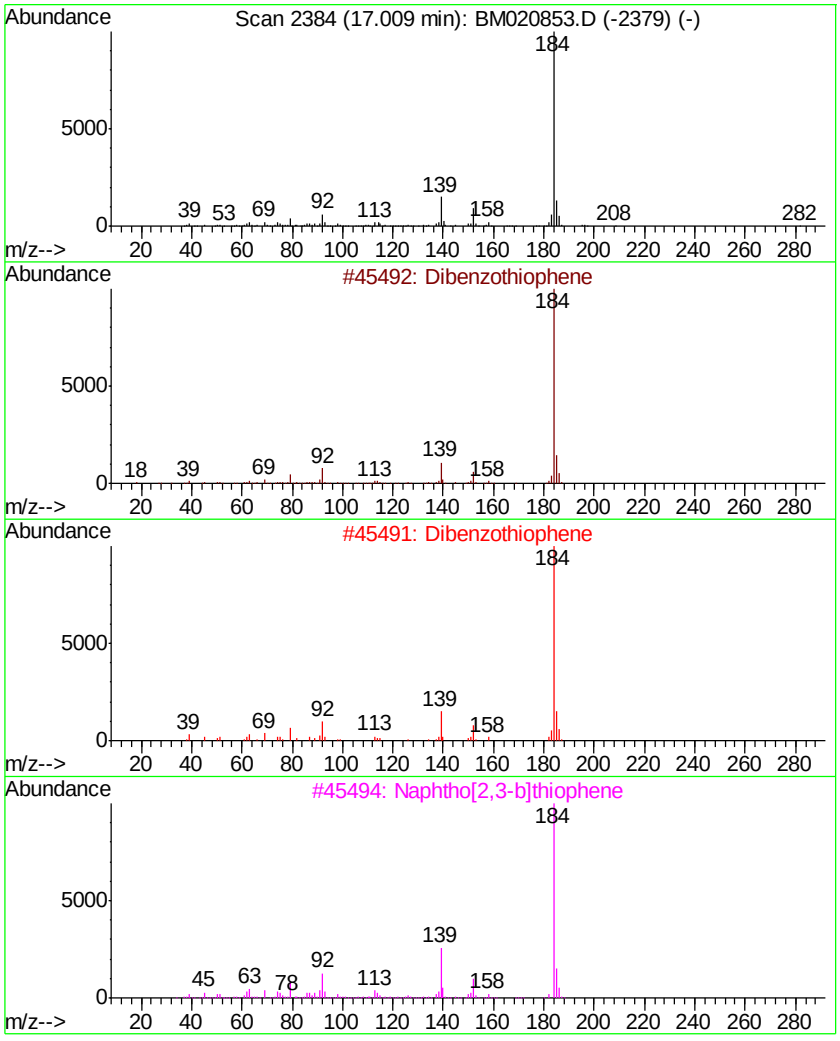
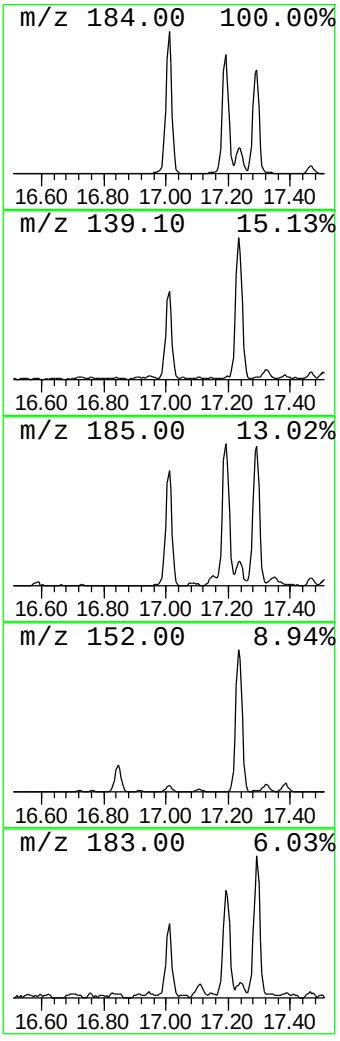
Peak Number 7 Dibenzothiophene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	2.97 ng/ul	623687	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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Quant Title : SVOA CALIBRATION

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

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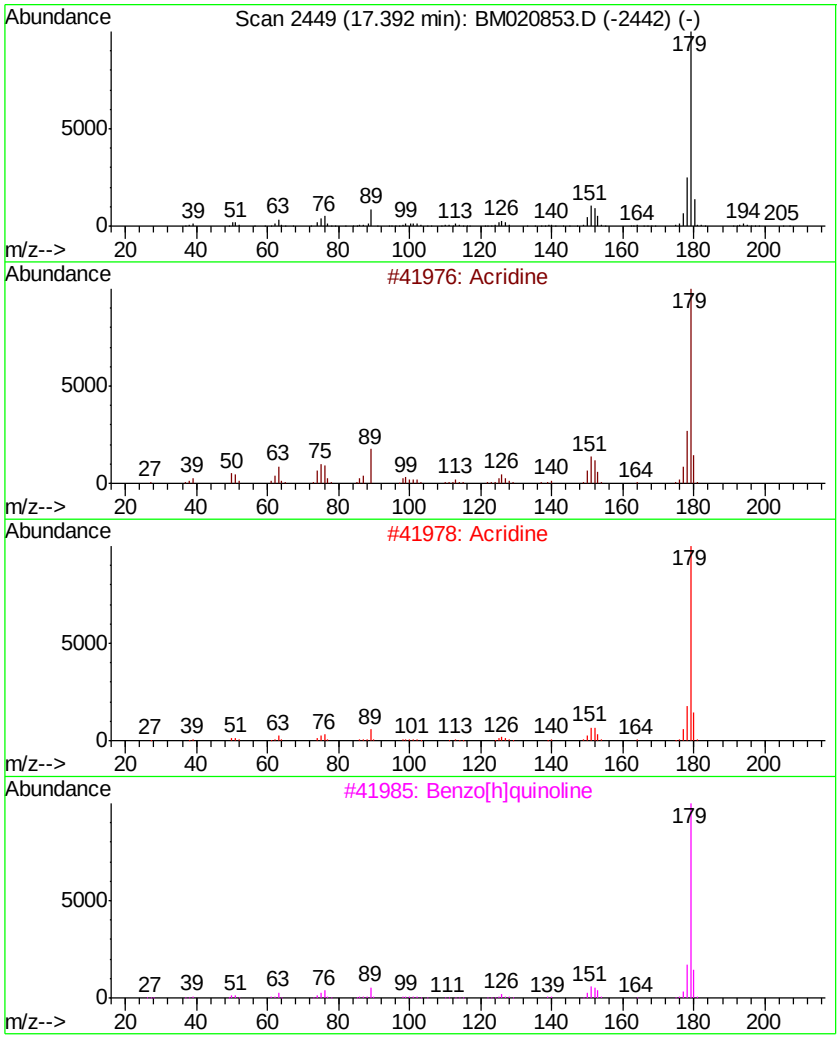
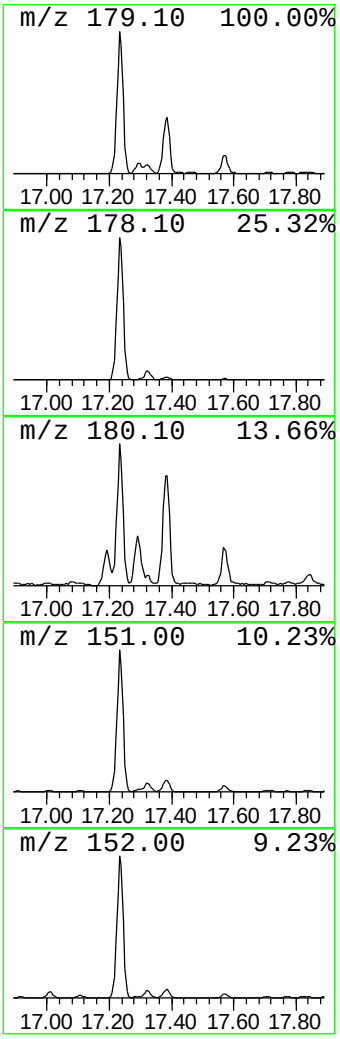
Peak Number 8 Acridine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.39	4.90 ng/ul	1029850	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	97
2	Acridine	179	C13H9N	000260-94-6	97
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	95
4	Acridine	179	C13H9N	000260-94-6	94
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	94





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Misc :
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Instrument : BNA_M
ClientSampleId : A51E9

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Quant Title : SVOA CALIBRATION

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

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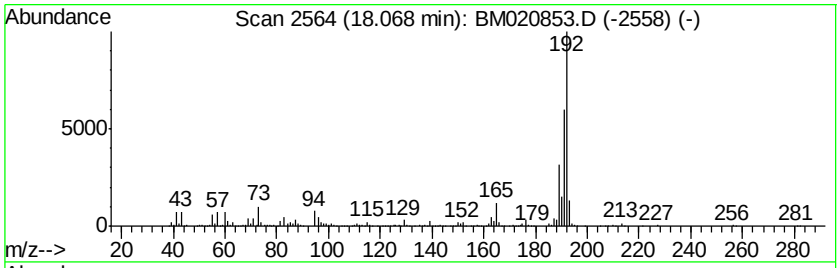
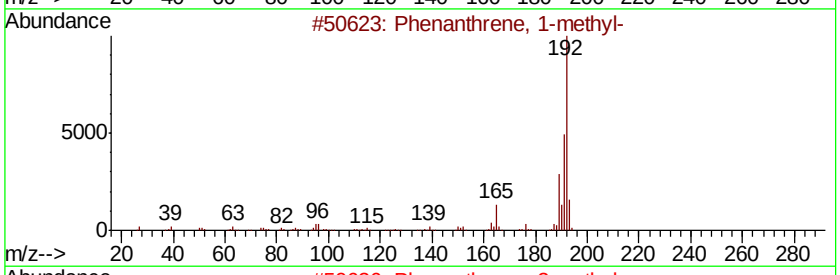
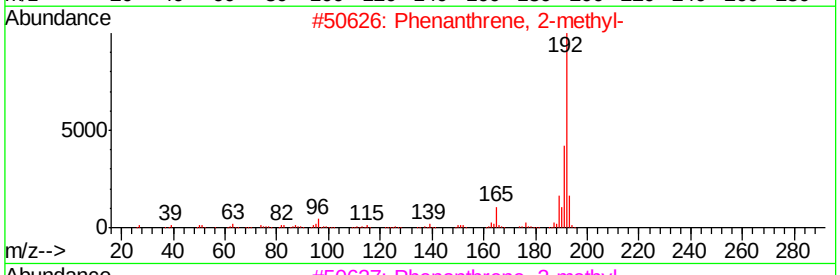
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 7

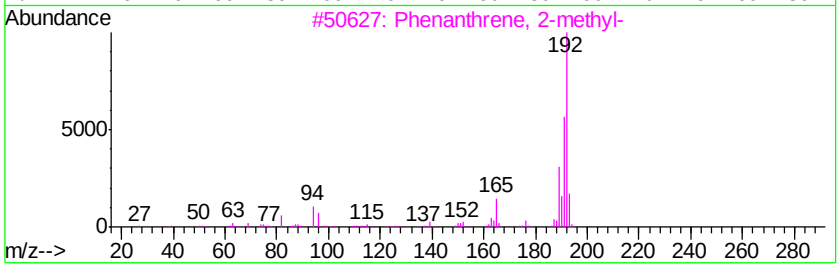
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	8.91 ng/ul	1873570	Phenanthrene-d10	17.19

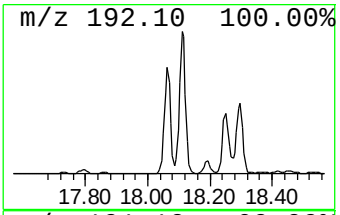
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95

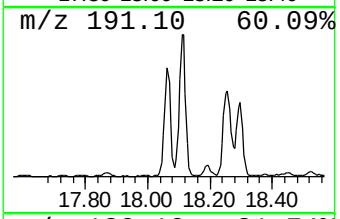


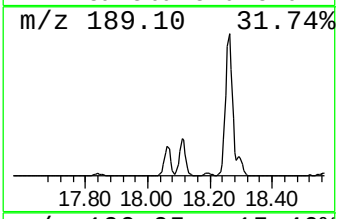


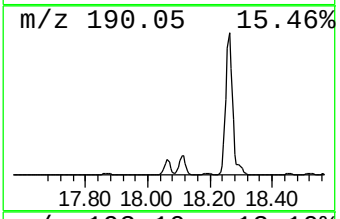


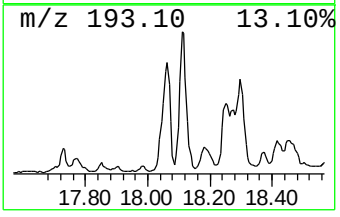












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Acq On : 11 Jun 2019 02:01
Operator : HP/JU
Sample : K3017-16
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A51E9

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Quant Title : SVOA CALIBRATION

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

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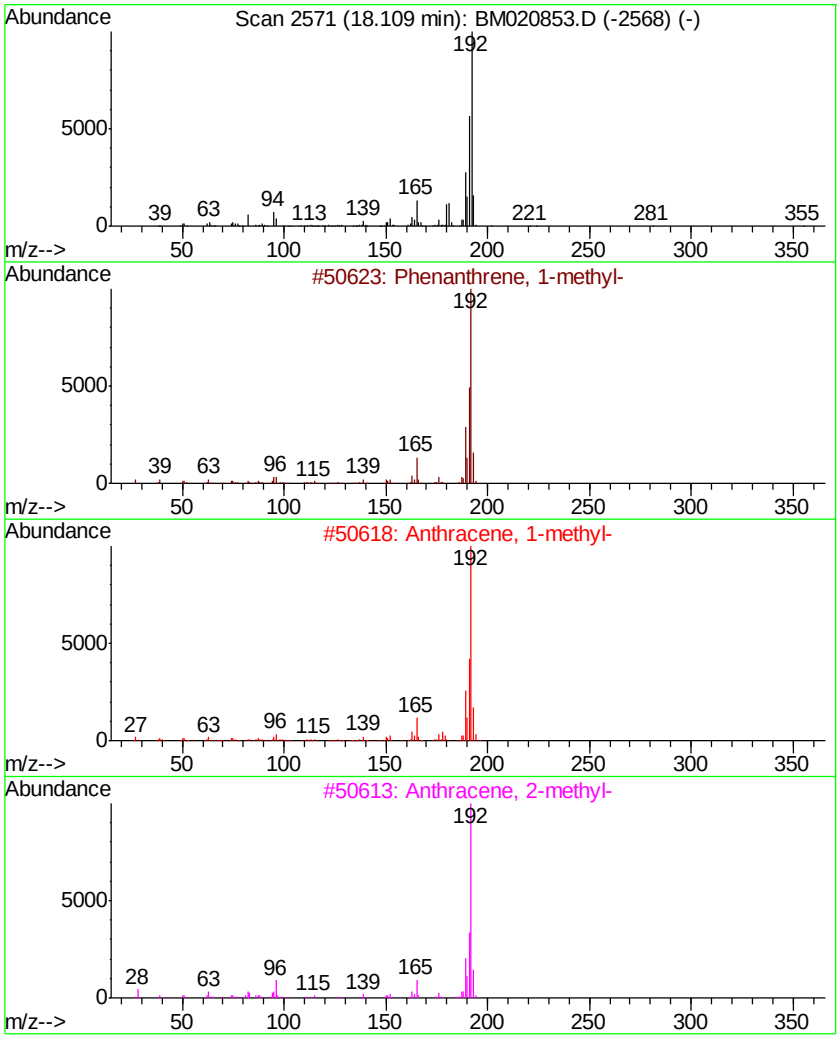
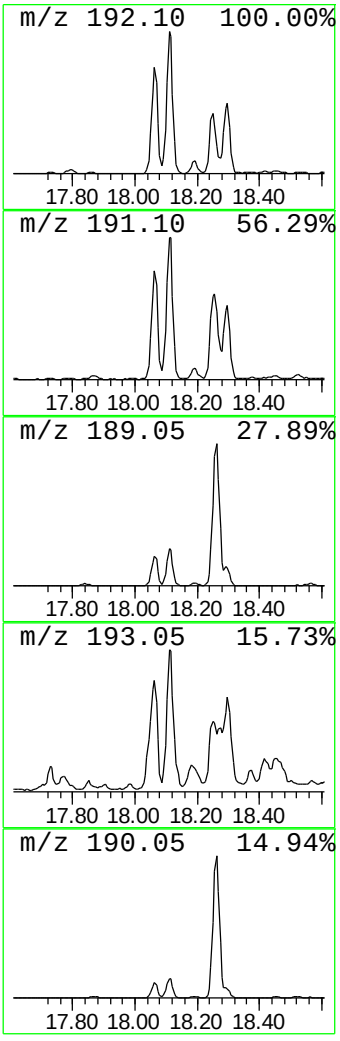
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	7.82 ng/ul	1642950	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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ClientSampleId : A51E9

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Quant Title : SVOA CALIBRATION

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

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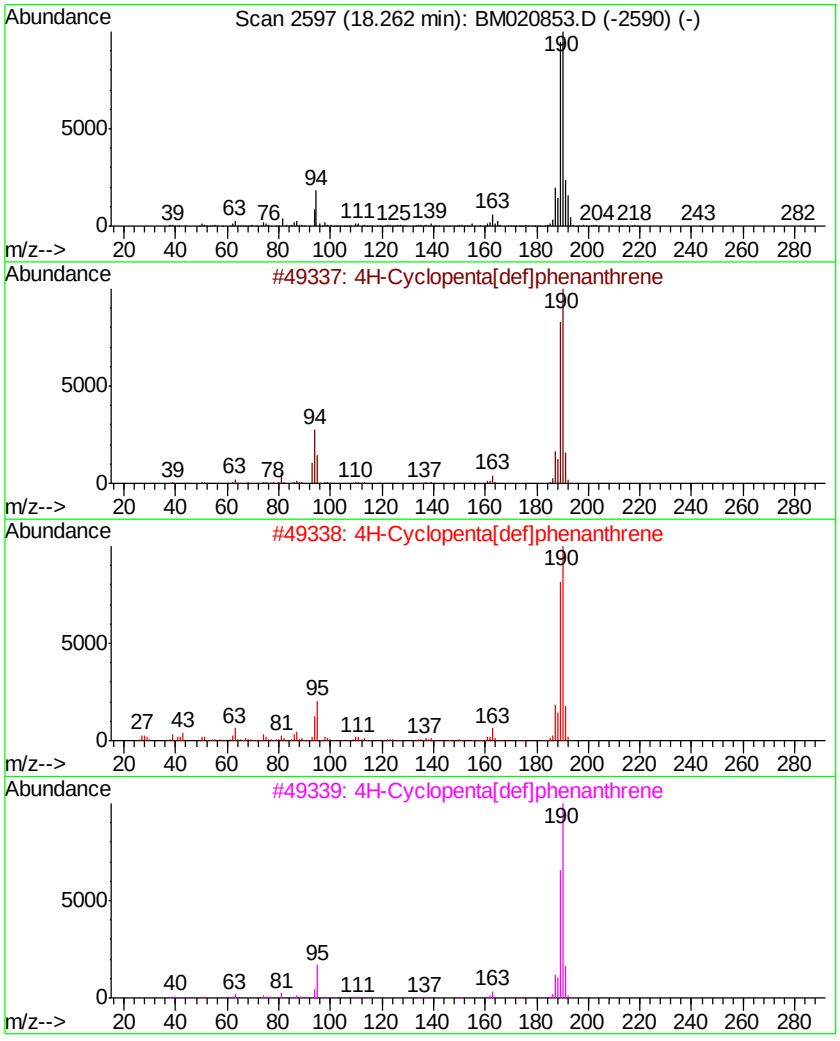
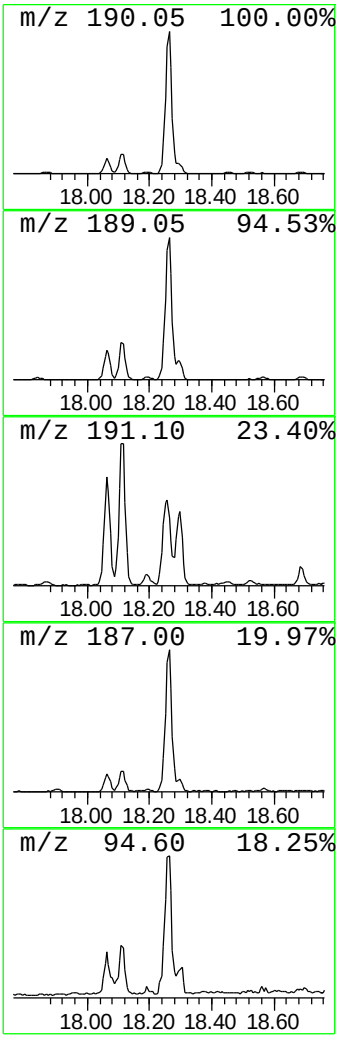
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	11.20 ng/ul	2354660	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56
5	Methyl diselenide	190	C2H6Se2	007101-31-7	55





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Misc :
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Instrument : BNA_M
ClientSampleId : A51E9

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Quant Title : SVOA CALIBRATION

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

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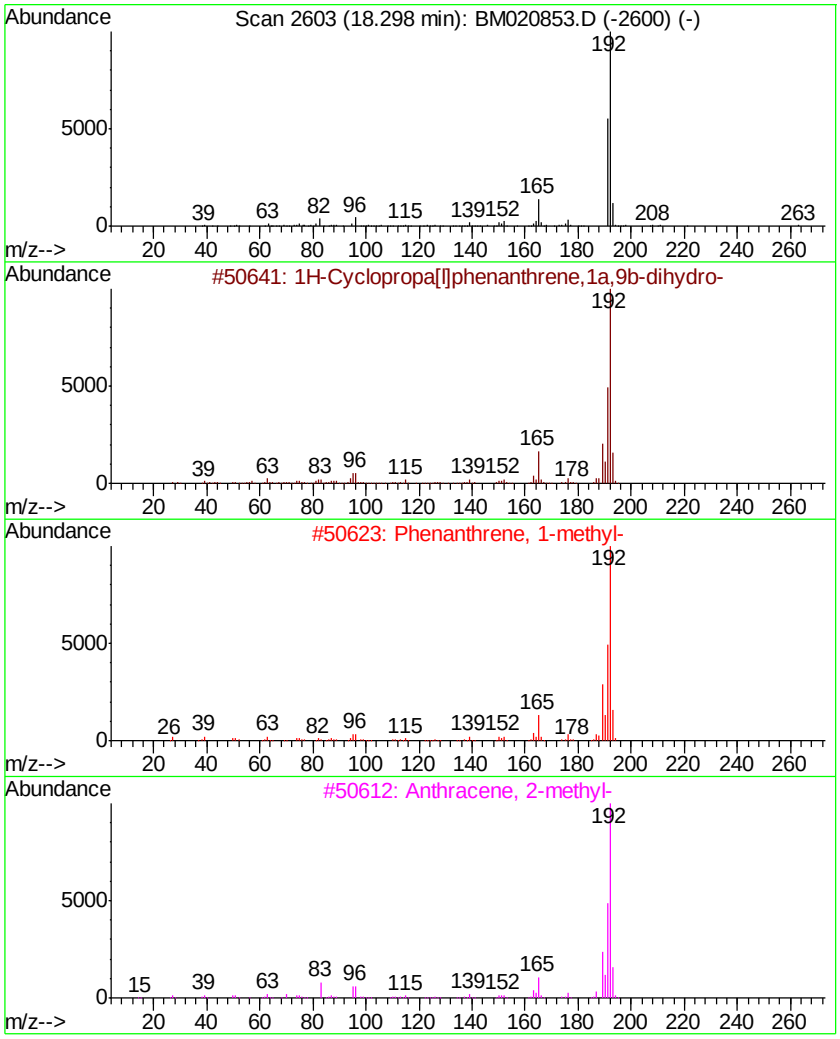
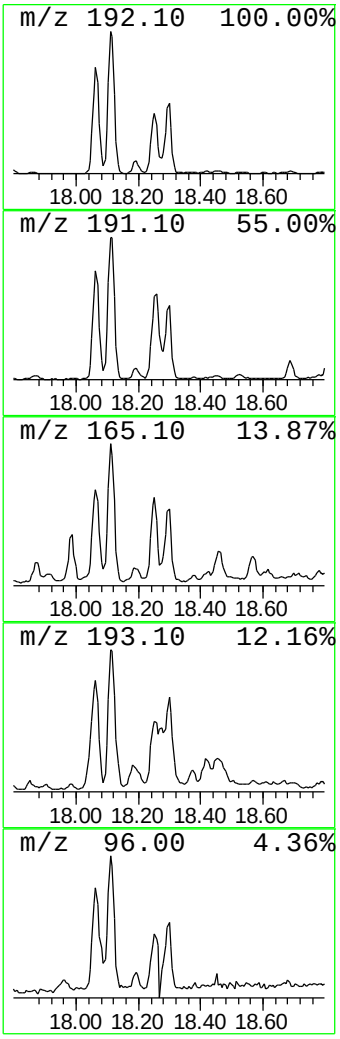
Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	3.04 ng/ul	638406	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





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ClientSampleId : A51E9

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Quant Title : SVOA CALIBRATION

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

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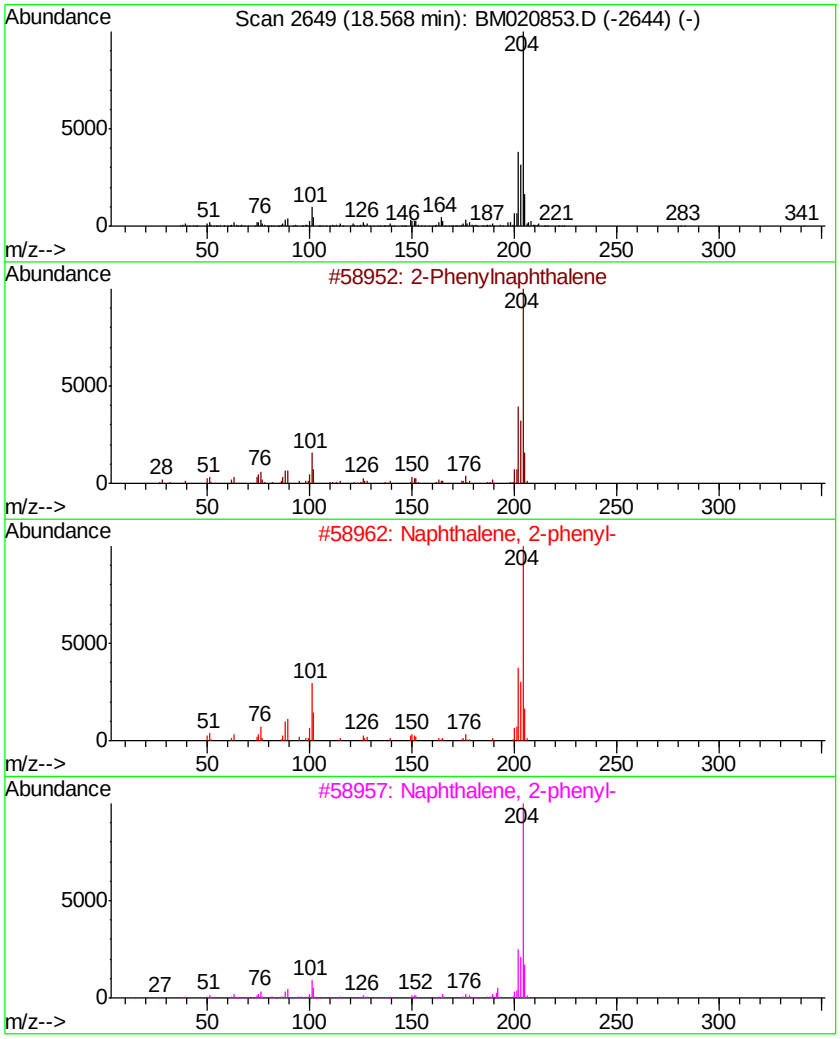
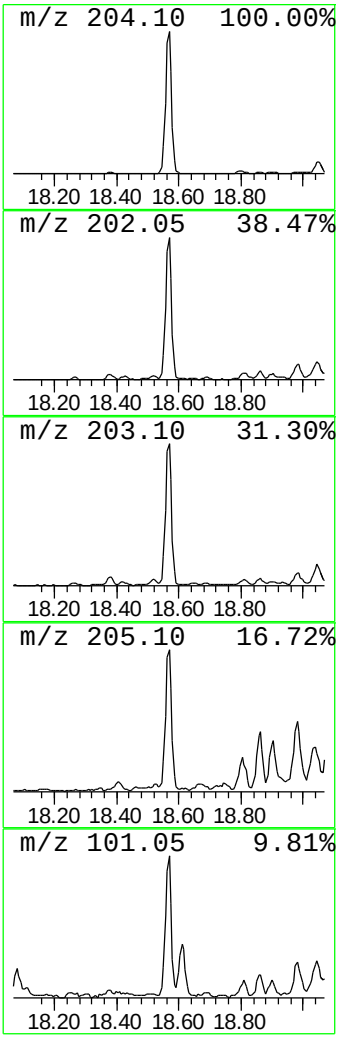
Peak Number 13 2-Phenylnaphthalene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	5.62 ng/ul	1182010	Phenanthrene-d10	17.19

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	94
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	76





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Quant Title : SVOA CALIBRATION

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

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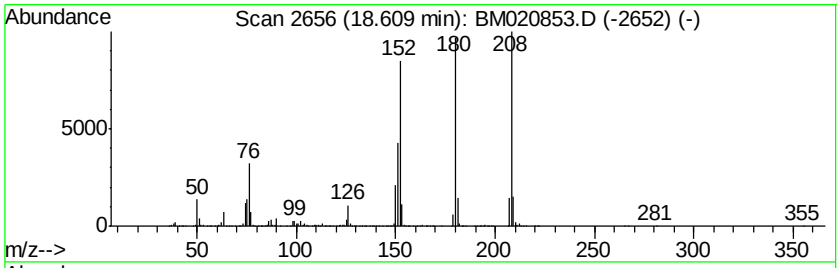
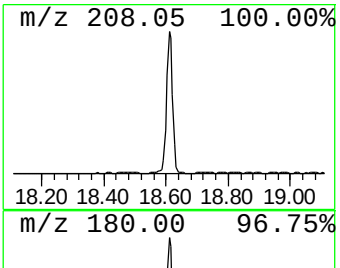
Peak Number 14 9,10-Anthracenedione Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	24.01 ng/ul	5046640	Phenanthrene-d10	17.19

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	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70





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Quant Title : SVOA CALIBRATION

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

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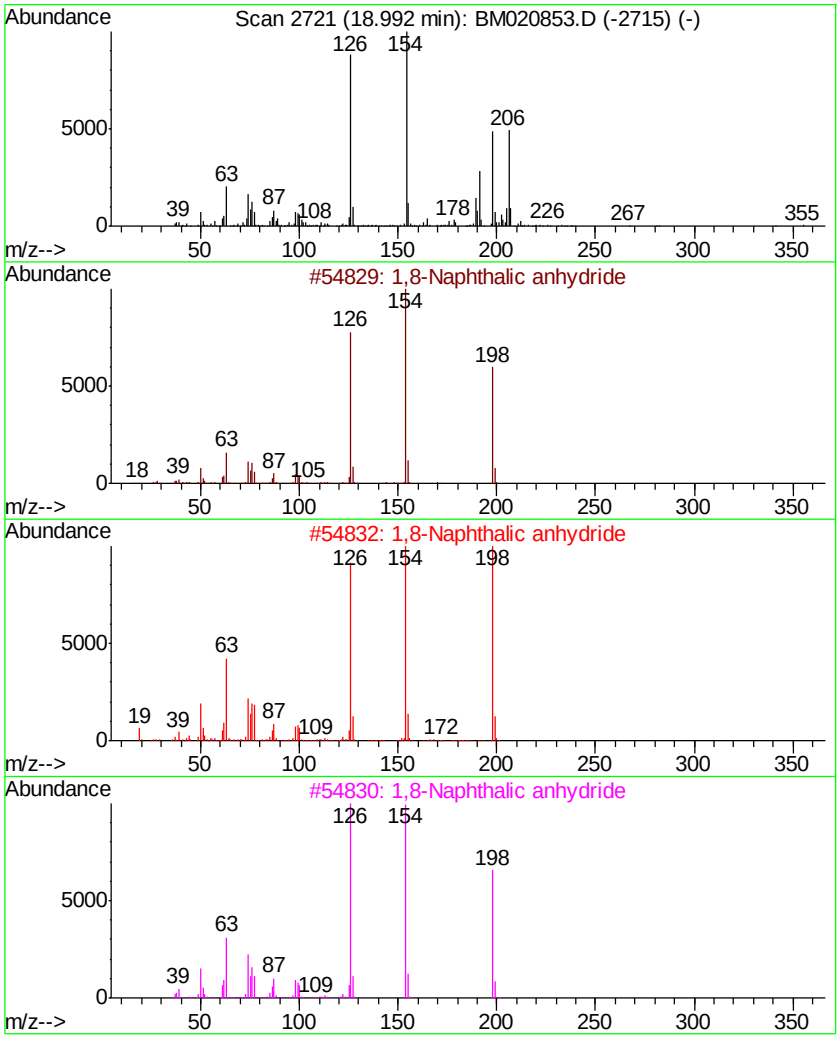
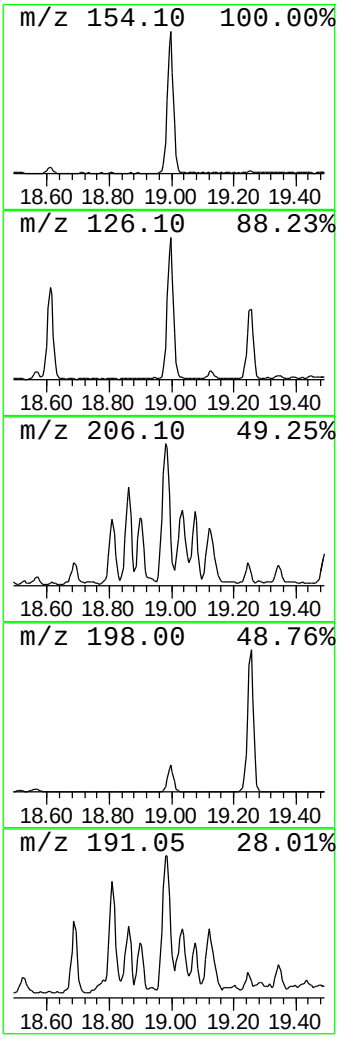
Peak Number 15 1,8-Naphthalic anhydride Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	6.56 ng/ul	1378290	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	98
2	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	97
3	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	96
4	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	95
5	Naphtho[1,2-c]furan-1,3-dione	198	C12H6O3	005343-99-7	62





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Acq On : 11 Jun 2019 02:01
Operator : HP/JU
Sample : K3017-16
Misc :
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Instrument : BNA_M
ClientSampleId : A51E9

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Quant Title : SVOA CALIBRATION

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

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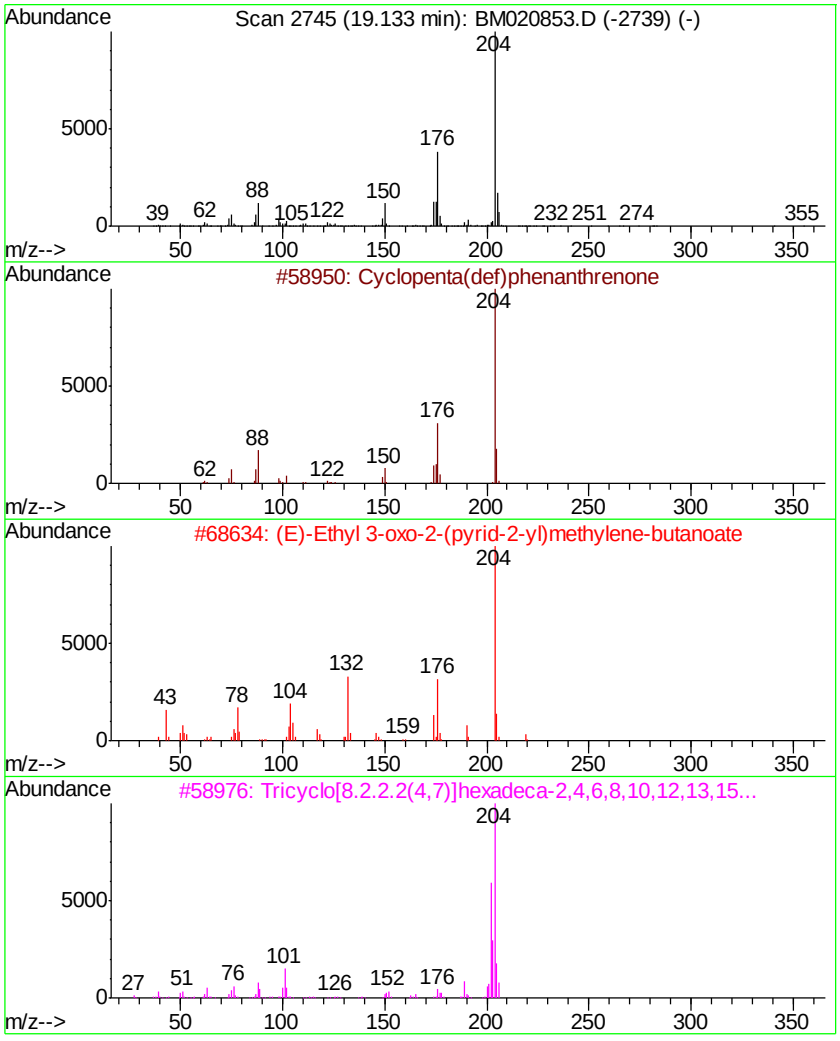
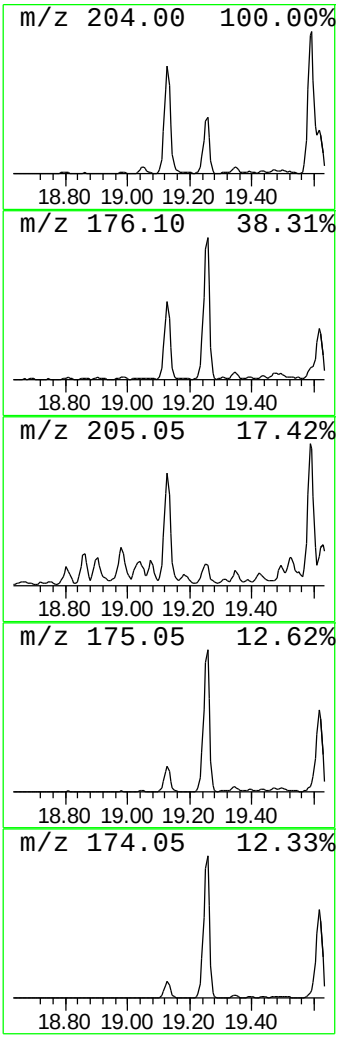
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	7.60 ng/ul	1596380	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	46
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
5	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	42





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Quant Title : SVOA CALIBRATION

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

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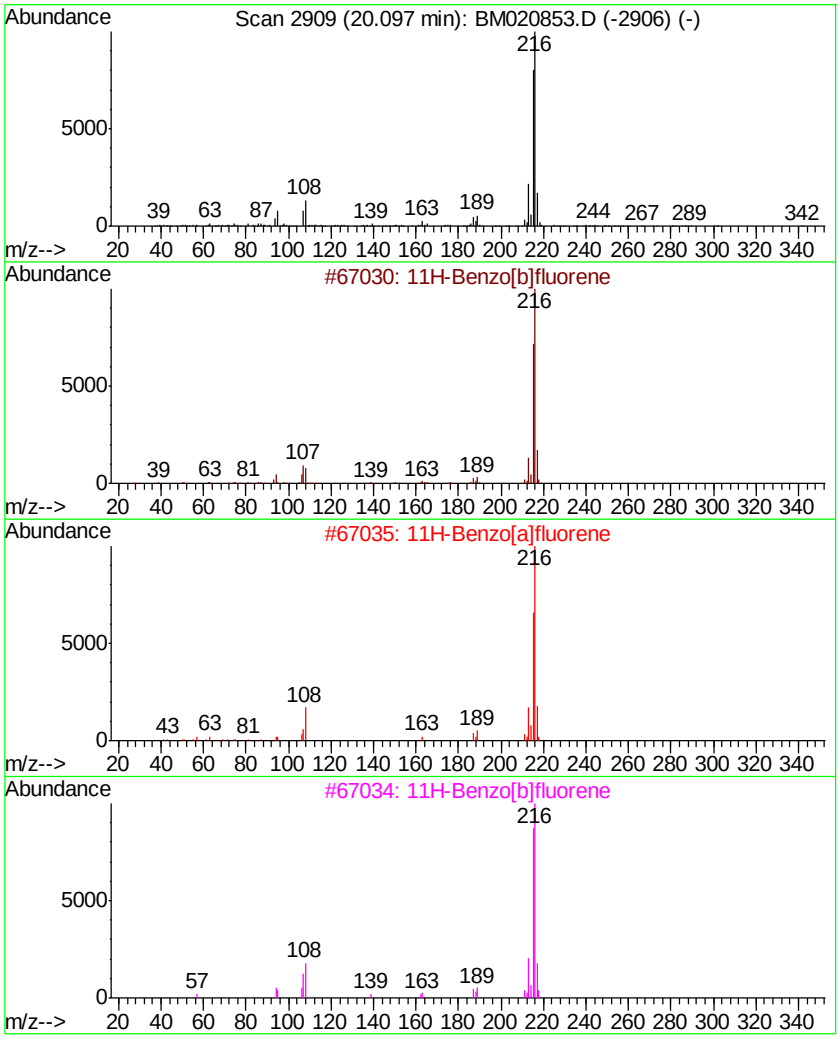
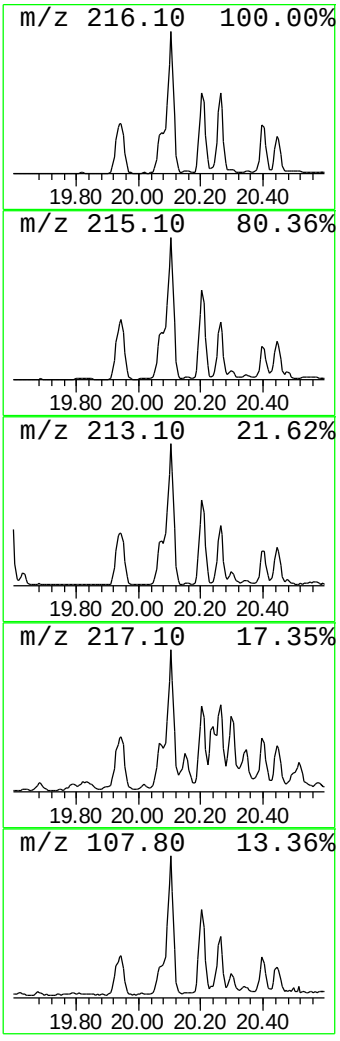
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.75 ng/ul	3019830	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93





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Quant Title : SVOA CALIBRATION

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

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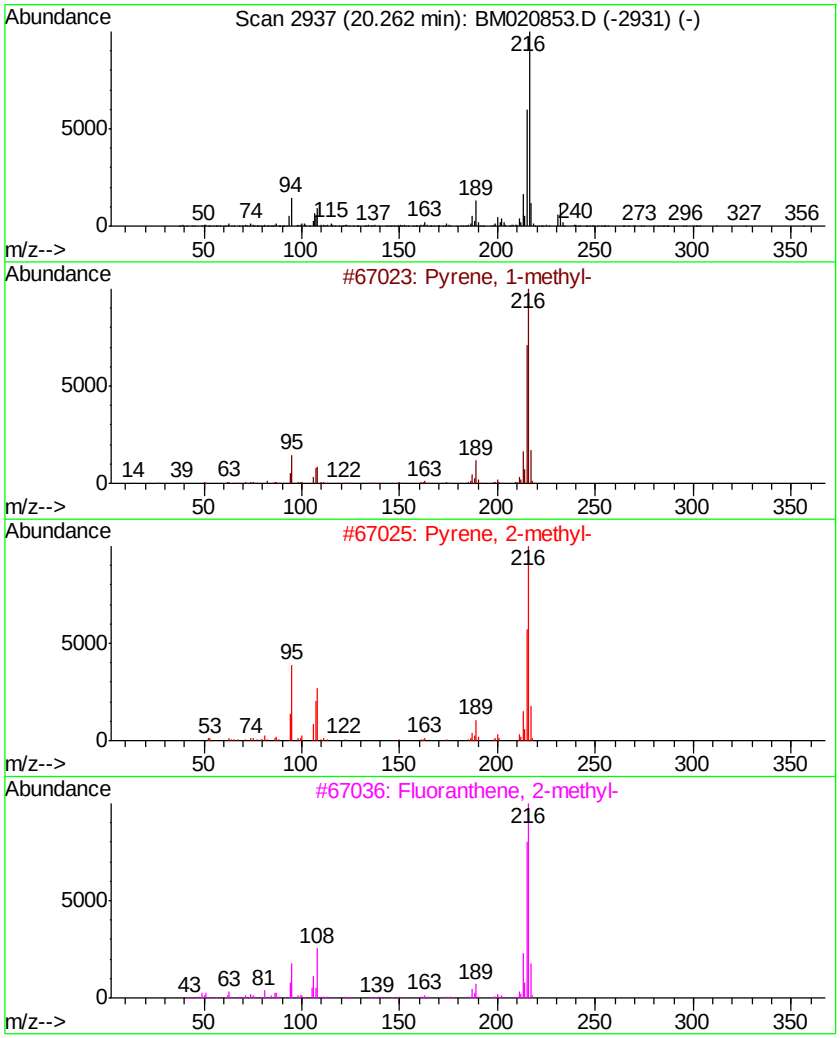
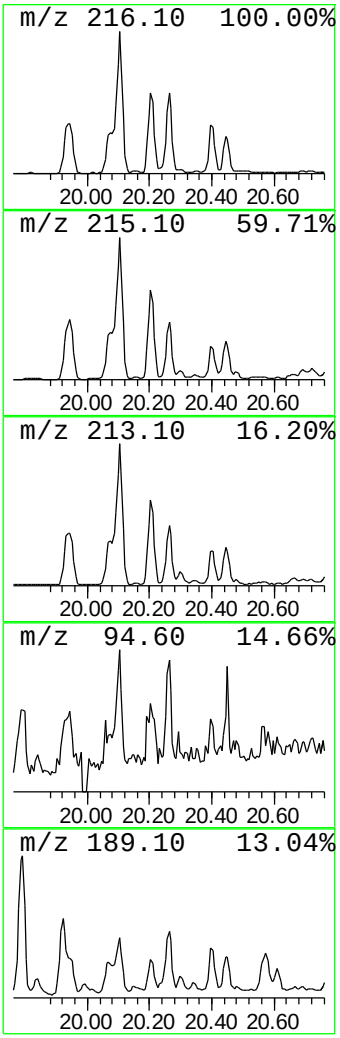
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	2.00 ng/ul	2199470	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, 2-methyl-	216	C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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Quant Title : SVOA CALIBRATION

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

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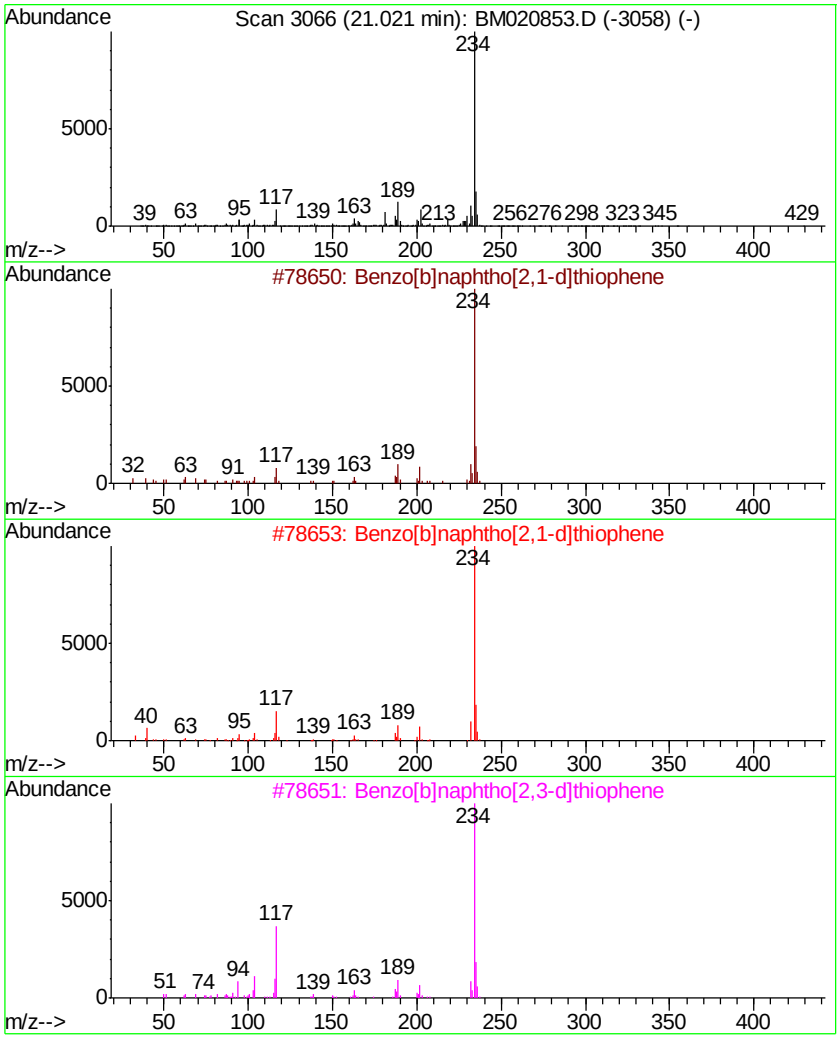
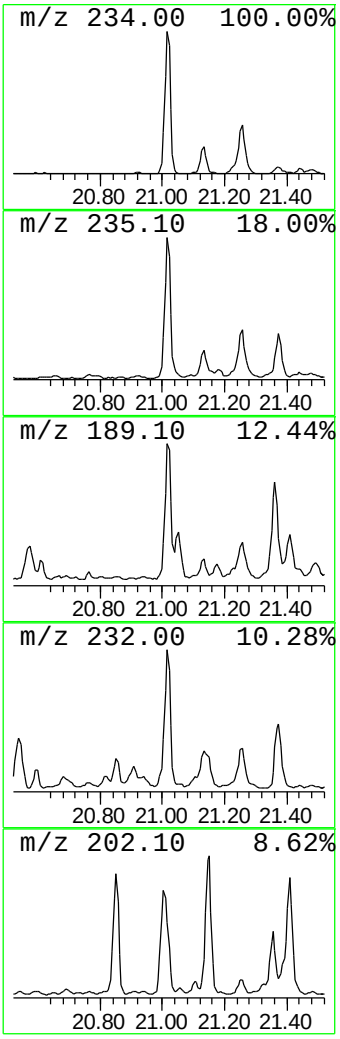
Peak Number 20 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	4.95 ng/ul	5438920	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
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	91
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	87





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Quant Title : SVOA CALIBRATION

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

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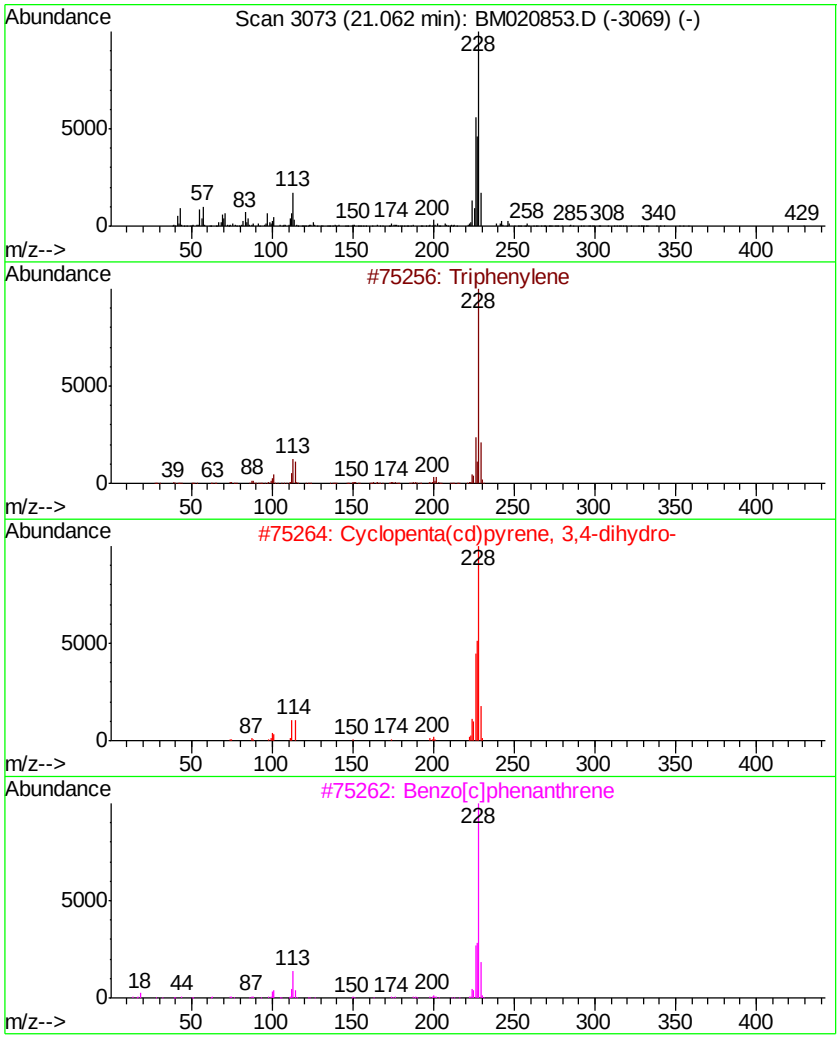
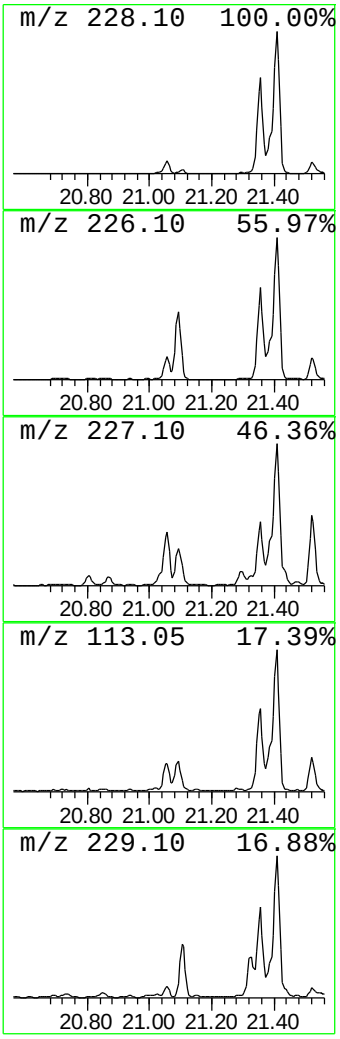
Peak Number 21 Triphenylene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	2.20 ng/ul	2414630	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene	228	C18H12	000217-59-4	55
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	52
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	52
4	Benz[a]anthracene	228	C18H12	000056-55-3	50
5	Triphenylene	228	C18H12	000217-59-4	50





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Quant Title : SVOA CALIBRATION

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

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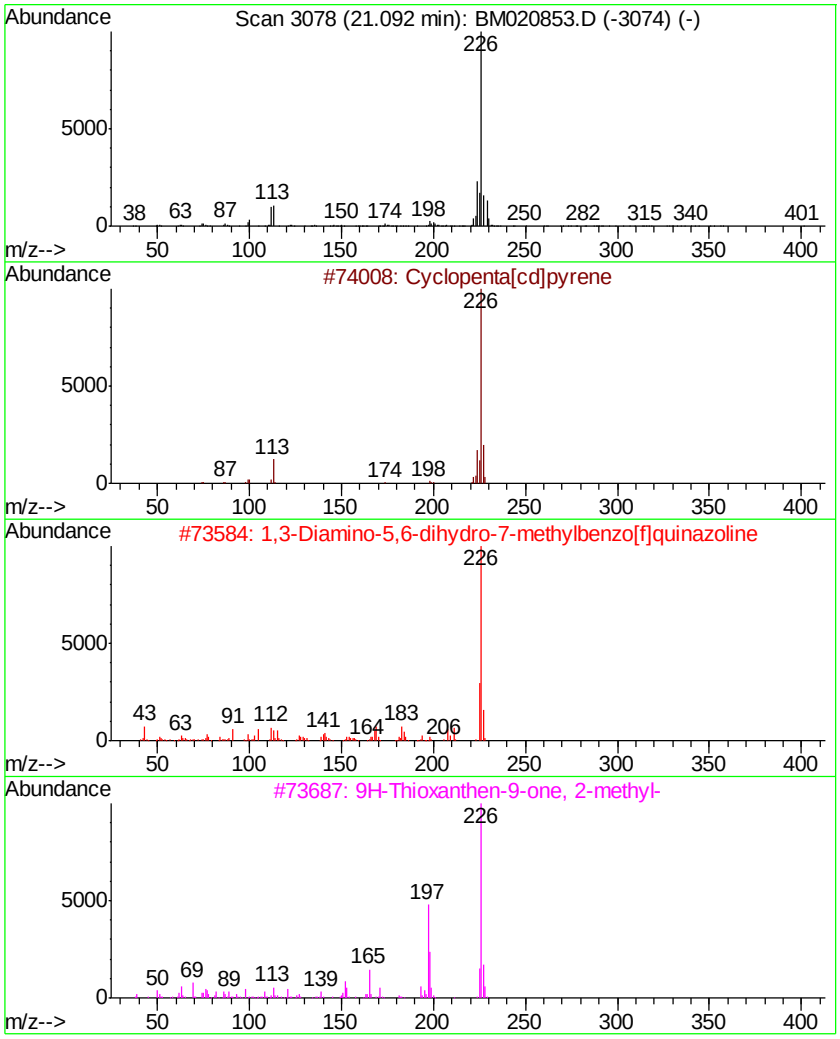
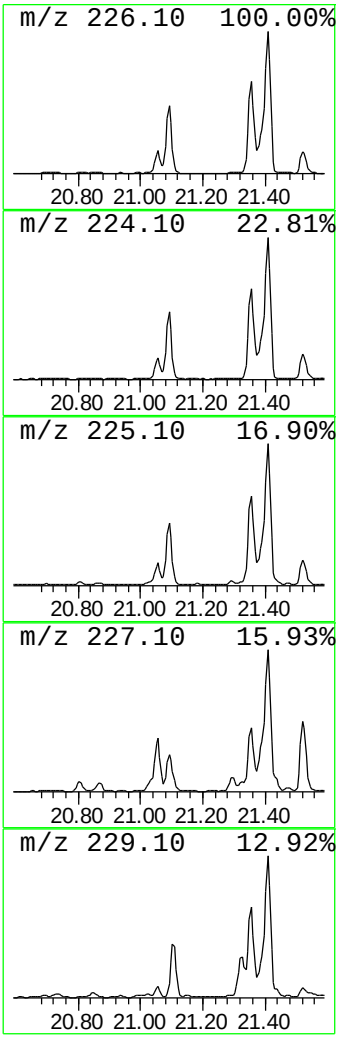
Peak Number 22 Cyclopenta[cd]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	3.99 ng/ul	4387740	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	68
2	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	50
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	47
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	40
5	2-Thiazolamine, 4-(1-naphthalenyl)-	226	C13H10N2S	056503-96-9	38





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Quant Title : SVOA CALIBRATION

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

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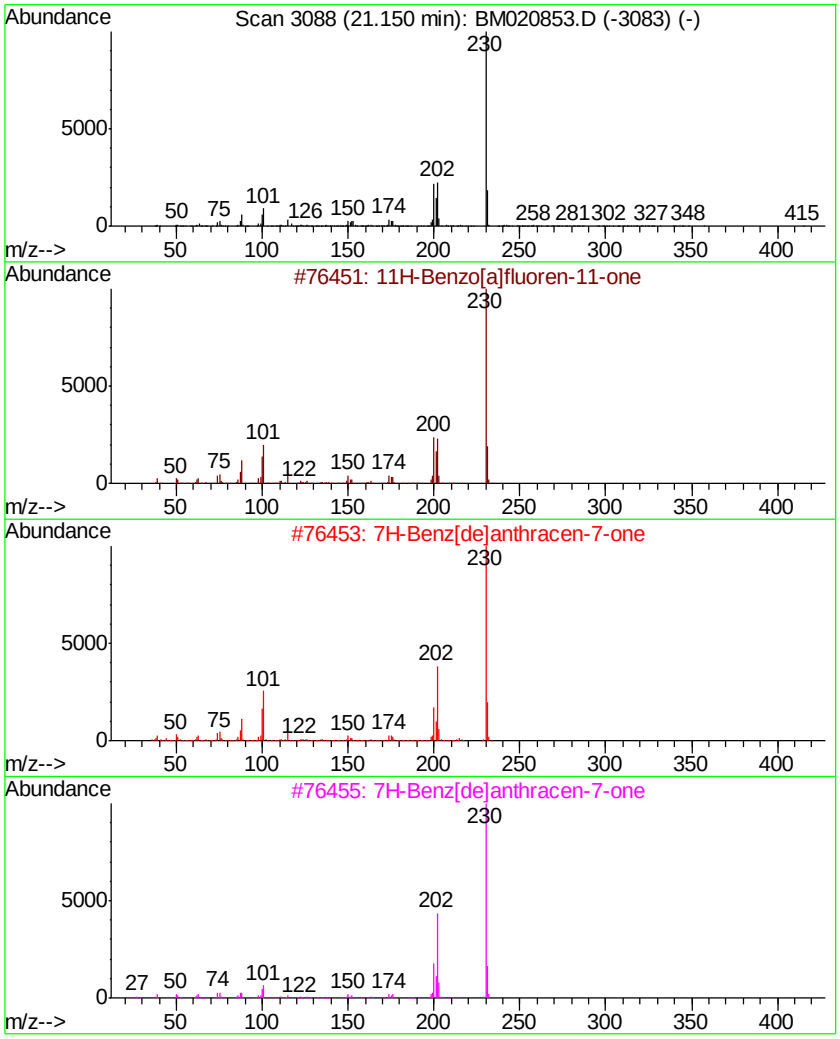
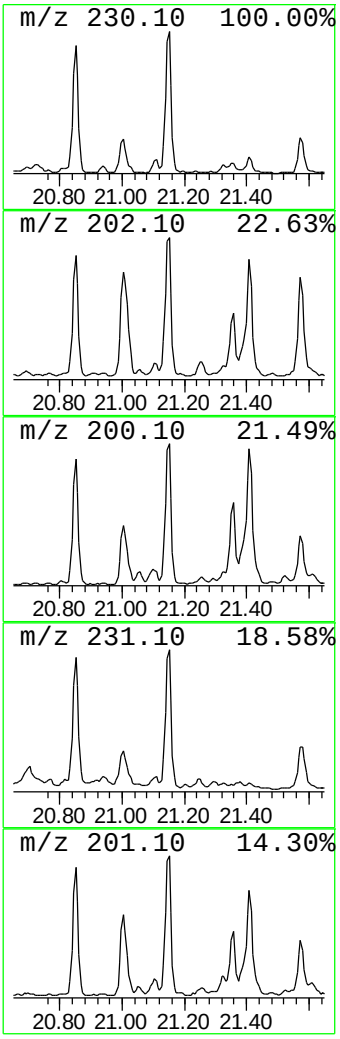
Peak Number 23 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.15	4.34 ng/ul	4770820	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	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	78
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	59





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Quant Title : SVOA CALIBRATION

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

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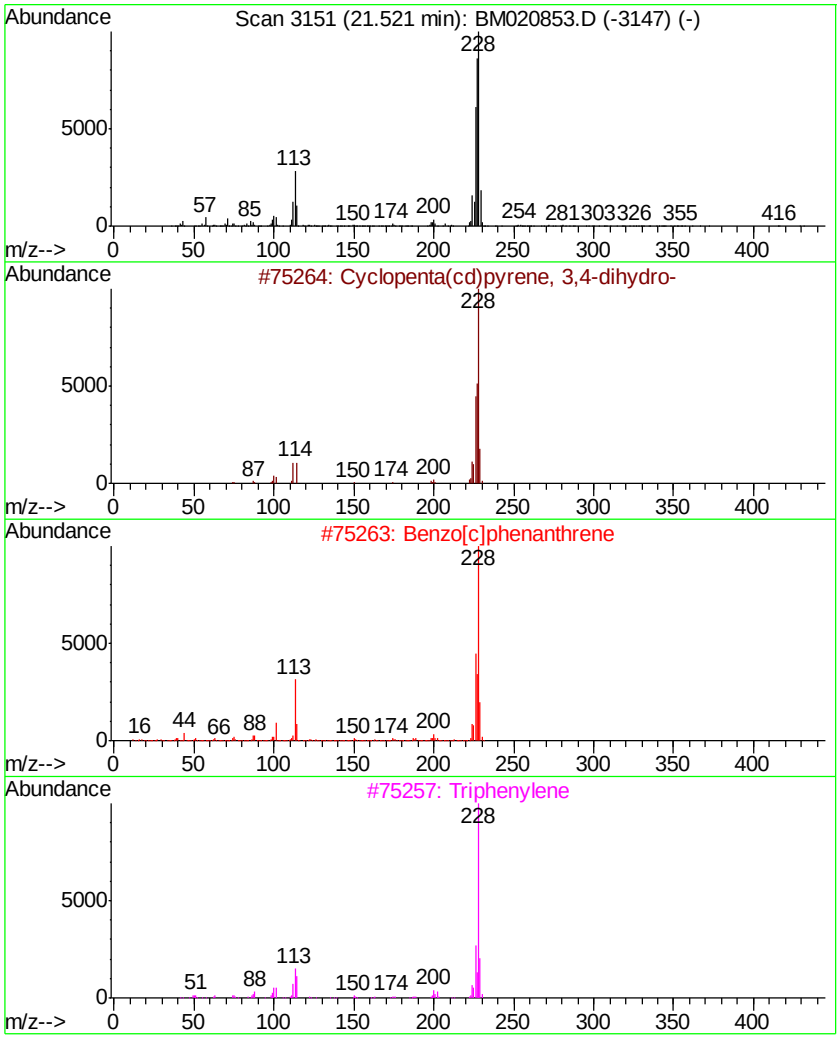
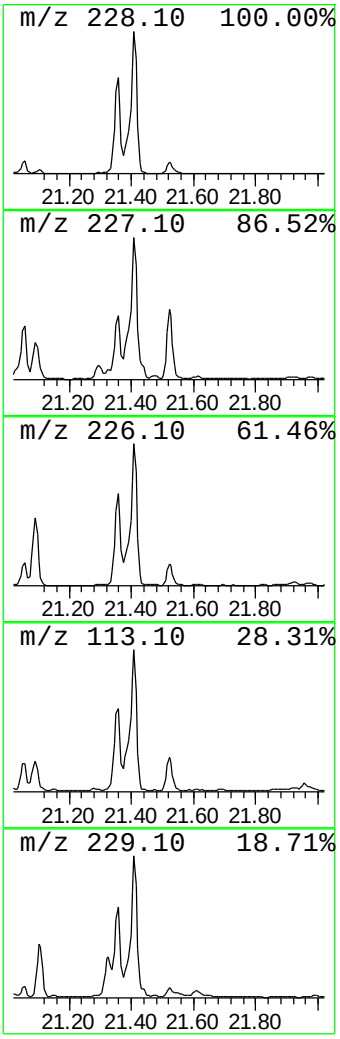
Peak Number 24 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.52	2.09 ng/ul	2296540	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	95
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
3	Triphenylene	228	C18H12	000217-59-4	50
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
5	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	49





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Quant Title : SVOA CALIBRATION

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

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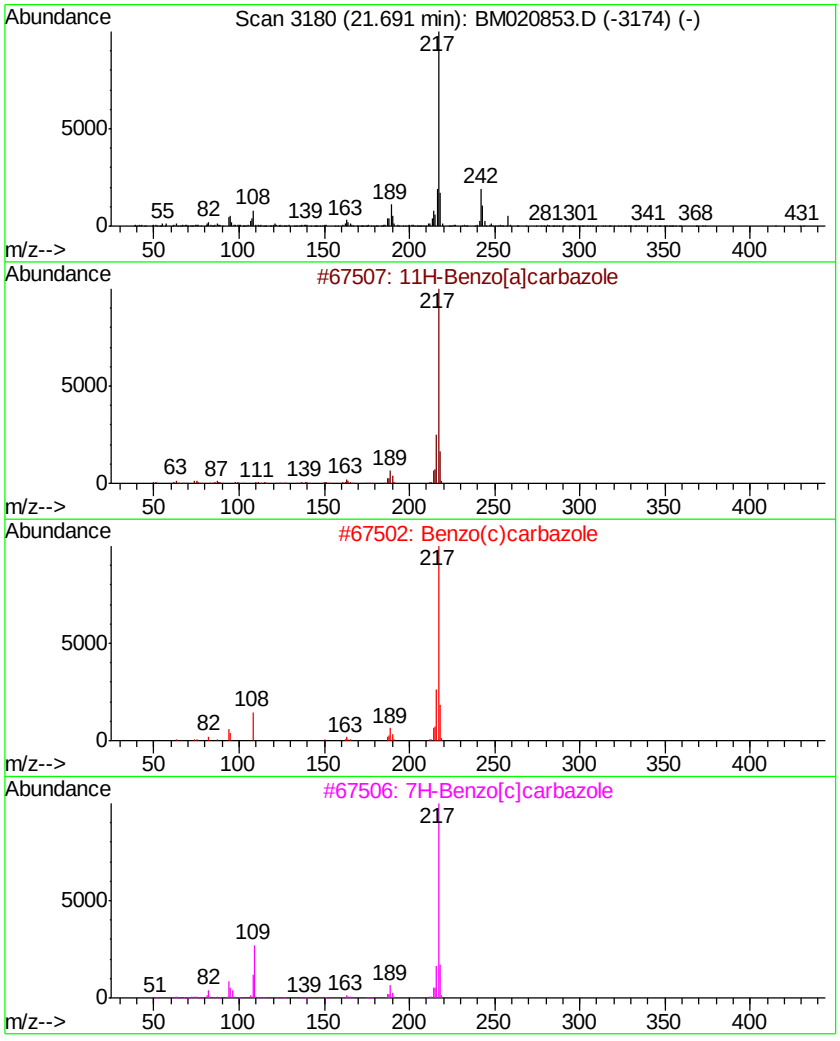
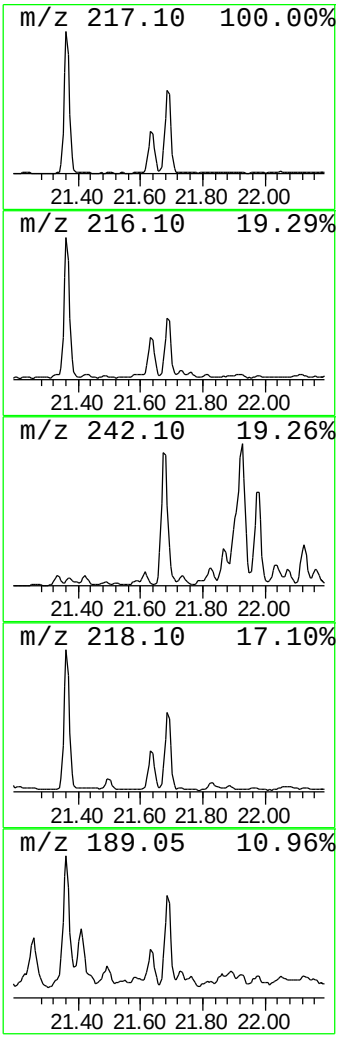
Peak Number 25 11H-Benzo[a]carbazole Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.69	2.63 ng/ul	2896270	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	91
2	Benzo(c)carbazole	217	C16H11N	034777-33-8	83
3	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	64
4	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	64
5	1-Aminopyrene	217	C16H11N	001606-67-3	64





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Quant Title : SVOA CALIBRATION

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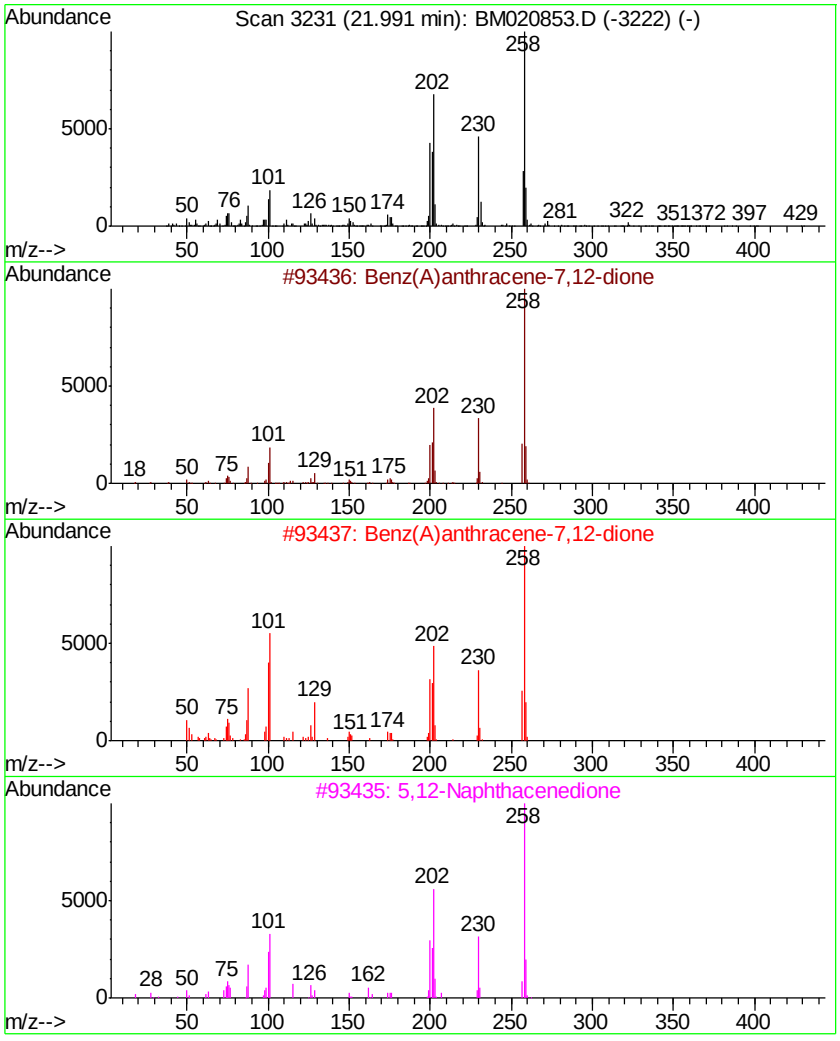
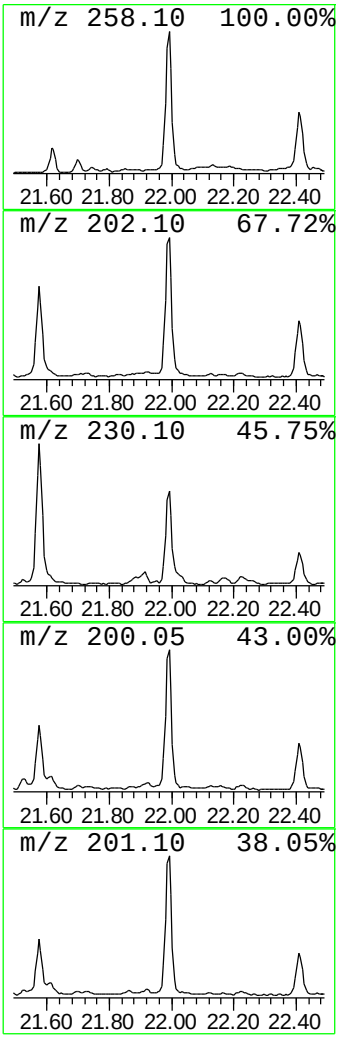
Peak Number 26 Benz(A)anthracene-7,12-dione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.99	5.34 ng/ul	5876350	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	96
2	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	95
3	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	94
4	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	90
5	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	90





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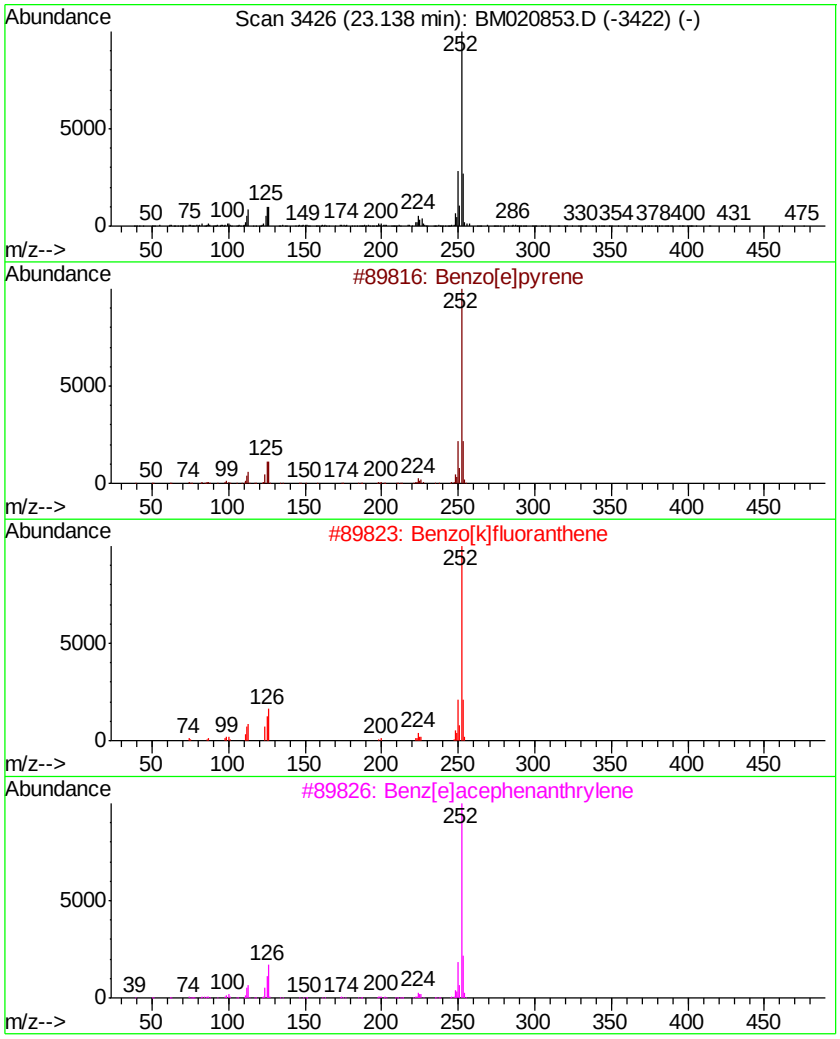
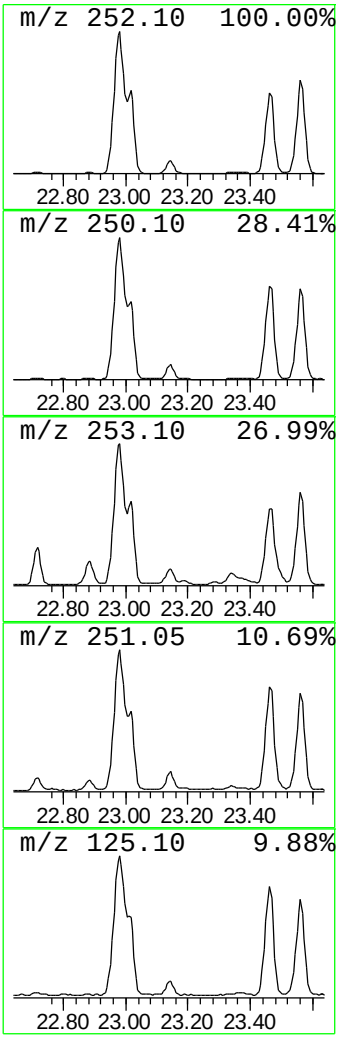
Peak Number 27 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.14	8.15 ng/ul	1894590	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





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Instrument : BNA_M
ClientSampleId : A51E9

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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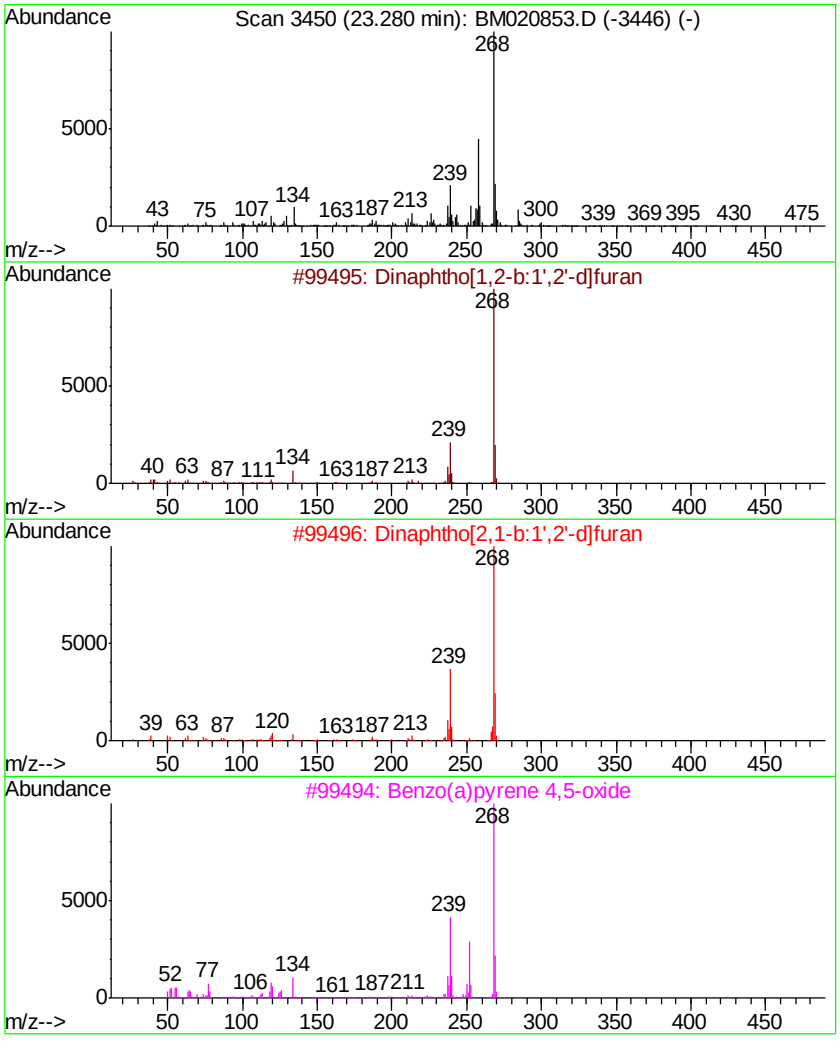
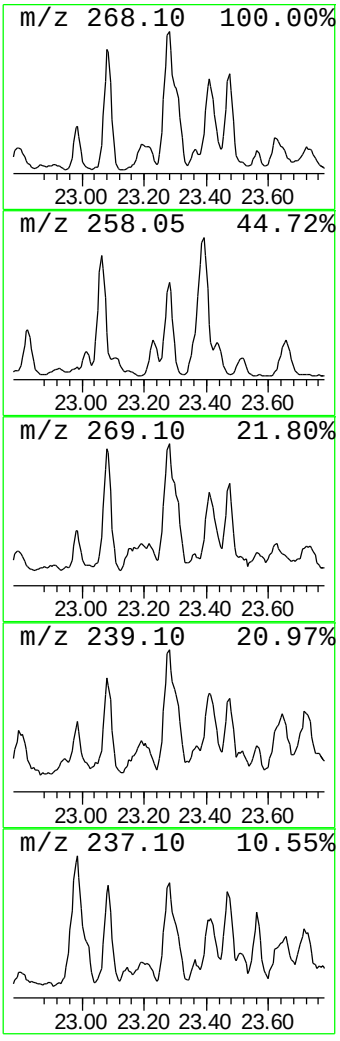
Peak Number 28 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.28	5.65 ng/ul	1312490	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	92
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	52
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	50
4	Phenol, 2,2'-[1,2-ethanediylbis(...	268	C16H16N2O2	000094-93-9	46
5	trans-3'-Methyl-4-(methylthio)ch...	268	C17H16OS	131316-14-8	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061019\
Data File : BM020853.D
Acq On : 11 Jun 2019 02:01
Operator : HP/JU
Sample : K3017-16
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A51E9

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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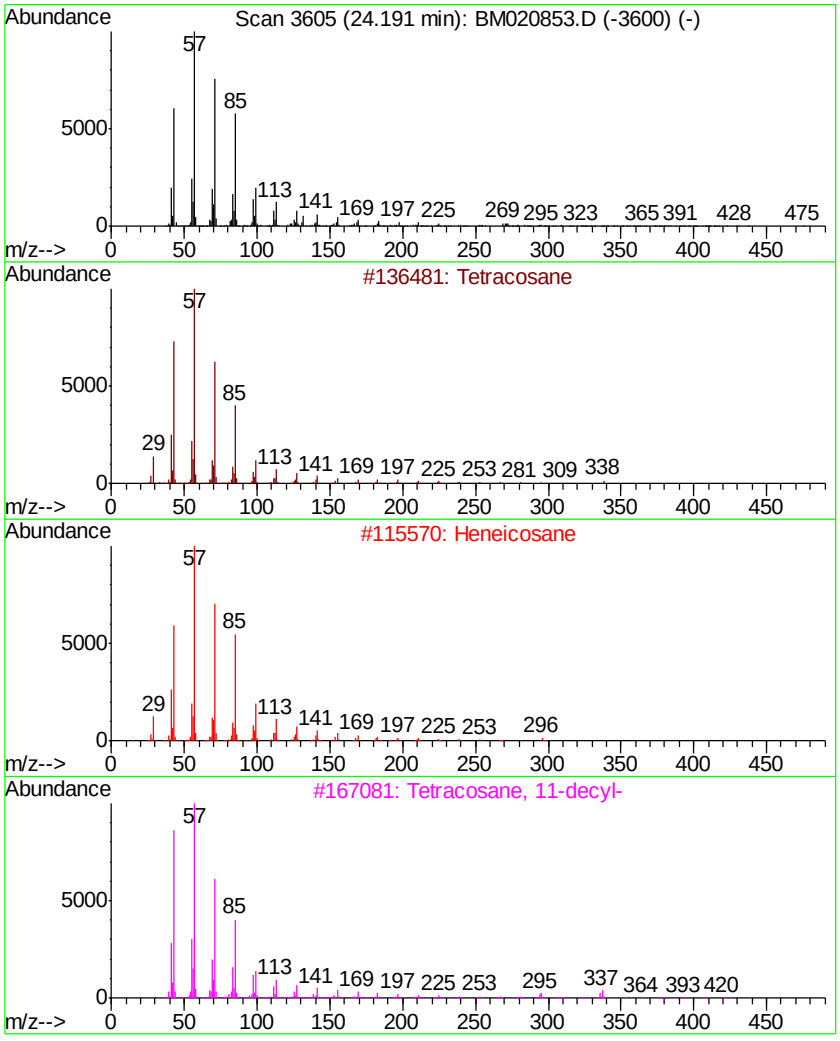
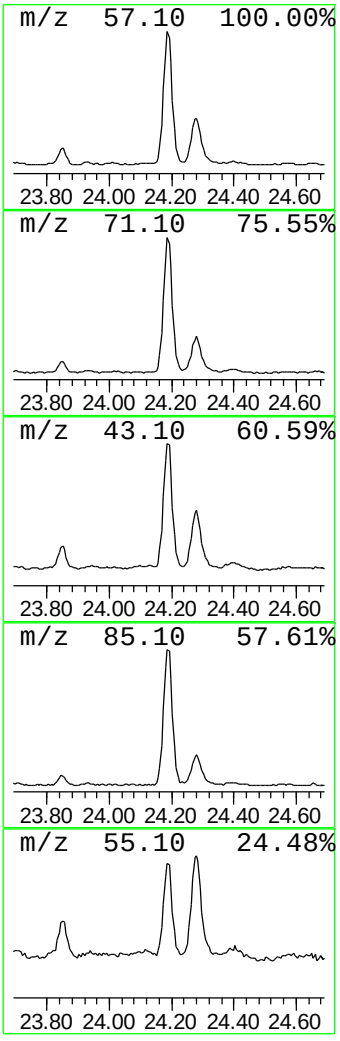
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.19	15.64 ng/ul	3635860	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	94
2	Heneicosane	296	C21H44	000629-94-7	91
3	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061019\
Data File : BM020853.D
Acq On : 11 Jun 2019 02:01
Operator : HP/JU
Sample : K3017-16
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A51E9

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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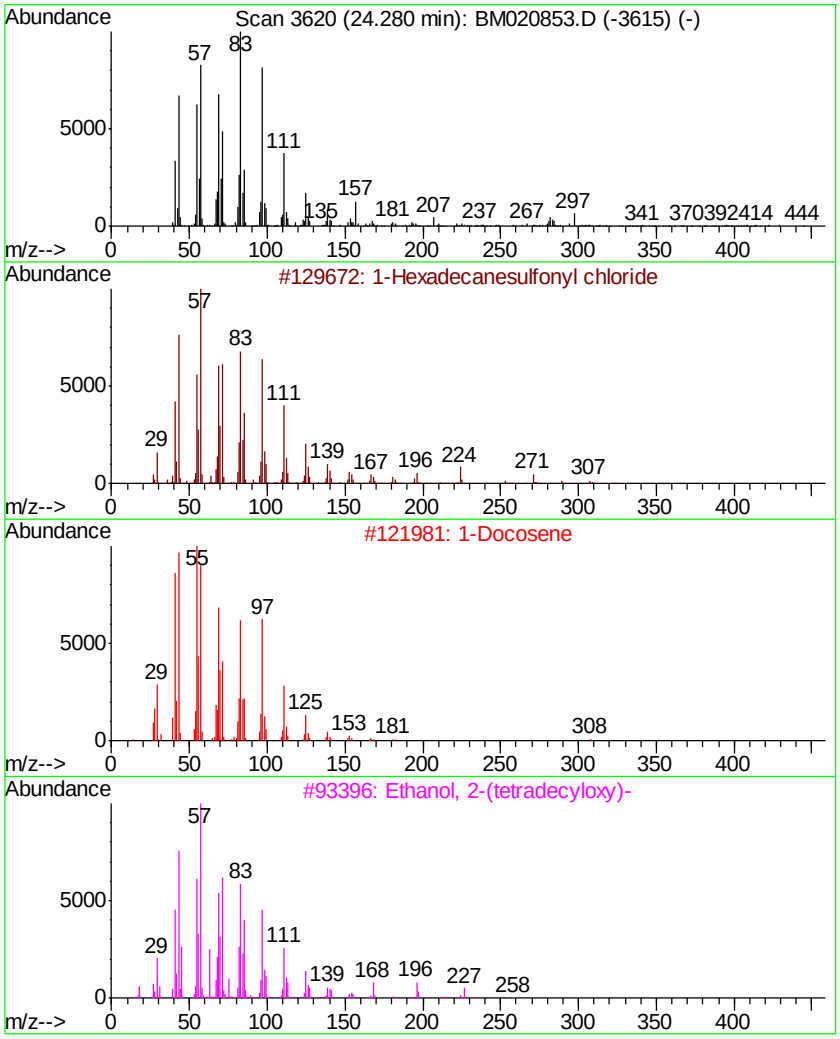
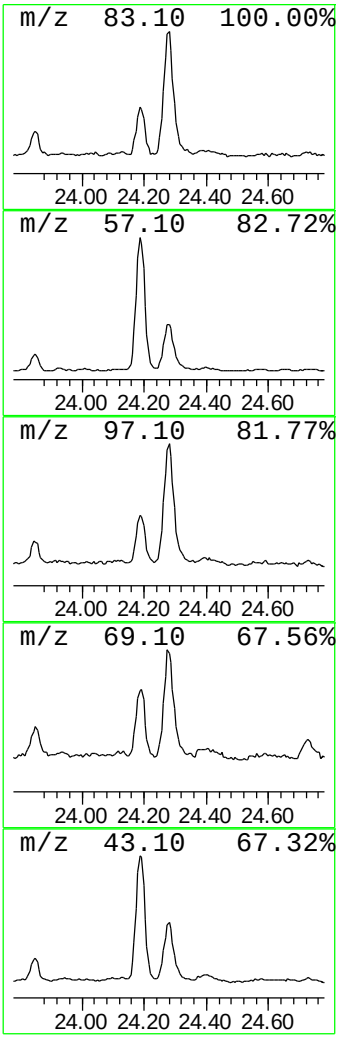
Peak Number 32 1-Hexadecanesulfonyl chloride Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.28	8.18 ng/ul	1900410	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	52
2	1-Docosene	308	C22H44	001599-67-3	52
3	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	45
4	Triallylmethylsilane	166	C10H18Si	001112-91-0	43
5	1-Heneicosanol	312	C21H44O	015594-90-8	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM061019\
Data File : BM020853.D
Acq On : 11 Jun 2019 02:01
Operator : HP/JU
Sample : K3017-16
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A51E9

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	98.5	ng/ul	10466700	1	7.81	2124720	20.0
2H-Pyran, tetrahy...	3.82	2.9	ng/ul	303349	1	7.81	2124720	20.0
Benzenamine, 2-me...	10.31	6.1	ng/ul	891761	2	10.60	2914740	20.0
1H-Benzotriazole,...	16.37	2.3	ng/ul	491441	4	17.19	4203480	20.0
unknown-01	16.40	2.2	ng/ul	462596	4	17.19	4203480	20.0
9H-Fluoren-9-one	16.84	3.6	ng/ul	765992	4	17.19	4203480	20.0
Dibenzothiophene	17.01	3.0	ng/ul	623687	4	17.19	4203480	20.0
Acridine	17.39	4.9	ng/ul	1029850	4	17.19	4203480	20.0
Phenanthrene, 1-m...	18.07	8.9	ng/ul	1873570	4	17.19	4203480	20.0
Anthracene, 1-met...	18.11	7.8	ng/ul	1642950	4	17.19	4203480	20.0
4H-Cyclopenta[def...	18.26	11.2	ng/ul	2354660	4	17.19	4203480	20.0
1H-Cyclopropa[l]p...	18.30	3.0	ng/ul	638406	4	17.19	4203480	20.0
2-Phenylnaphthalene	18.57	5.6	ng/ul	1182010	4	17.19	4203480	20.0
9,10-Anthracenedione	18.61	24.0	ng/ul	5046640	4	17.19	4203480	20.0
1,8-Naphthalic an...	18.99	6.6	ng/ul	1378290	4	17.19	4203480	20.0
Cyclopenta(def)ph...	19.13	7.6	ng/ul	1596380	4	17.19	4203480	20.0
11H-Benzo[b]fluorene	20.10	2.8	ng/ul	3019830	5	21.37	21991400	20.0
Pyrene, 1-methyl-	20.26	2.0	ng/ul	2199470	5	21.37	21991400	20.0
Benzo[b]naphtho[2...	21.02	5.0	ng/ul	5438920	5	21.37	21991400	20.0
Triphenylene	21.06	2.2	ng/ul	2414630	5	21.37	21991400	20.0
Cyclopenta[cd]pyrene	21.09	4.0	ng/ul	4387740	5	21.37	21991400	20.0
11H-Benzo[a]fluor...	21.15	4.3	ng/ul	4770820	5	21.37	21991400	20.0
Cyclopenta(cd)pyr...	21.52	2.1	ng/ul	2296540	5	21.37	21991400	20.0
11H-Benzo[a]carba...	21.69	2.6	ng/ul	2896270	5	21.37	21991400	20.0
Benz(A)anthracene...	21.99	5.3	ng/ul	5876350	5	21.37	21991400	20.0
Benzo[e]pyrene	23.14	8.2	ng/ul	1894590	6	23.66	4648400	20.0
Dinaphtho[1,2-b:1...	23.28	5.7	ng/ul	1312490	6	23.66	4648400	20.0
(DEL) Alkane: Str...	24.19	15.6	ng/ul	3635860	6	23.66	4648400	20.0
1-Hexadecanesulfo...	24.28	8.2	ng/ul	1900410	6	23.66	4648400	20.0