LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014456.D
Acq On : 02 Mar 2018 11:43
Operator : SJ/JU
Sample : J1646-16RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y0RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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	6.722	630	635	647	rVB2	418506	860623	3.03%	0.526%
2	6.863	651	659	669	rBV	439737	755495	2.66%	0.462%
3	7.051	685	691	699	rBV	562527	924676	3.25%	0.565%
4	7.510	763	769	779	rBV	499316	793092	2.79%	0.484%
5	8.245	888	894	906	rBV	513347	1001563	3.52%	0.612%
6	8.410	917	922	928	rBV2	306727	740322	2.60%	0.452%
7	8.675	960	967	978	rVB	584657	1021234	3.59%	0.624%
8	9.386	1081	1088	1102	rBV2	534157	954130	3.35%	0.583%
9	9.939	1174	1182	1199	rBV	604040	1294006	4.55%	0.791%
10	10.280	1229	1240	1246	rBV	728399	1210431	4.26%	0.739%
11	10.445	1261	1268	1284	rBV	559814	1151924	4.05%	0.704%
12	13.598	1798	1804	1808	rBV	1366238	1938515	6.82%	1.184%
13	13.645	1808	1812	1821	rVB	322406	466967	1.64%	0.285%
14	13.863	1838	1849	1858	rBV	1611703	2442592	8.59%	1.492%
15	14.174	1895	1902	1909	rBV2	1053215	1637918	5.76%	1.001%
16	15.180	2066	2073	2078	rBV	1926830	2719283	9.56%	1.661%
17	15.357	2095	2103	2108	rBV2	266433	476392	1.67%	0.291%
18	16.939	2366	2372	2375	rBV	1449686	1993556	7.01%	1.218%
19	16.980	2375	2379	2384	rVV	1557392	2090204	7.35%	1.277%
20	17.039	2384	2389	2393	rVV	2199260	3106321	10.92%	1.898%
21	17.074	2393	2395	2401	rVB	322989	347426	1.22%	0.212%
22	17.815	2516	2521	2524	rBV	247549	372721	1.31%	0.228%
23	17.862	2524	2529	2534	rVB2	370287	743817	2.62%	0.454%
24	18.009	2549	2554	2558	rBV3	339183	634958	2.23%	0.388%
25	18.045	2558	2560	2570	rVB3	202196	325536	1.14%	0.199%
26	18.745	2674	2679	2682	rBV3	183036	289903	1.02%	0.177%
27	18.839	2691	2695	2699	rBV	577495	695728	2.45%	0.425%
28	18.886	2699	2703	2710	rBV6	278039	463286	1.63%	0.283%
29	19.015	2718	2725	2730	rVB	2514878	3631409	12.77%	2.218%
30	19.245	2760	2764	2768	rBV4	237967	359591	1.26%	0.220%
31	19.303	2769	2774	2776	rVV	782851	1059198	3.72%	0.647%
32	19.350	2777	2782	2785	rVV3	2749702	4416663	15.53%	2.698%
33	19.380	2785	2787	2796	rVV	2303363	3227842	11.35%	1.972%
34	19.456	2797	2800	2807	rVB4	262372	428474	1.51%	0.262%

LSC Area Percent Report

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Data File : BM014456.D
Acq On : 02 Mar 2018 11:43
Operator : SJ/JU
Sample : J1646-16RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y0RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

35	19.721	2839	2845	2851	rBV5	887091	1523763	5.36%	0.931%
36	19.803	2856	2859	2862	rVB2	287836	352584	1.24%	0.215%
37	20.797	3025	3028	3032	rBV2	230453	327356	1.15%	0.200%
38	20.862	3036	3039	3049	rVV5	463569	1017592	3.58%	0.622%
39	20.939	3050	3052	3062	rVB2	294242	446460	1.57%	0.273%
40	21.062	3071	3073	3077	rVB2	291658	288980	1.02%	0.177%
41	21.156	3082	3089	3092	rVV3	1783480	3452357	12.14%	2.109%
42	21.191	3092	3095	3099	rVB	991174	1213642	4.27%	0.741%
43	21.309	3112	3115	3119	rBV3	389440	444546	1.56%	0.272%
44	21.503	3144	3148	3161	rVB2	919394	1867087	6.56%	1.141%
45	21.927	3212	3220	3227	rVB2	1778195	4430836	15.58%	2.707%
46	22.174	3259	3262	3267	rBV5	245833	335650	1.18%	0.205%
47	22.338	3285	3290	3297	rVB	1561332	2788880	9.80%	1.704%
48	22.691	3347	3350	3355	rBV	516352	849609	2.99%	0.519%
49	23.162	3424	3430	3434	rBV2	4504508	7799799	27.42%	4.765%
50	23.203	3434	3437	3441	rVV2	1191537	1852540	6.51%	1.132%
51	23.244	3442	3444	3453	rVB	638245	954080	3.35%	0.583%
52	23.338	3455	3460	3465	rBV	752152	1252519	4.40%	0.765%
53	23.444	3472	3478	3483	rVB	2900545	4934291	17.35%	3.014%
54	23.562	3489	3498	3511	rVB	9388278	28443810	100.00%	17.376%
55	23.856	3540	3548	3555	rBV	6905120	13628270	47.91%	8.325%
56	23.956	3555	3565	3570	rBV	9181210	19188340	67.46%	11.722%
57	24.103	3586	3590	3592	rBV3	343579	562159	1.98%	0.343%
58	24.144	3593	3597	3602	rVB	1122232	1800228	6.33%	1.100%
59	24.244	3609	3614	3621	rVB	1196512	2237269	7.87%	1.367%
60	24.327	3622	3628	3639	rVB2	1548321	3681267	12.94%	2.249%
61	24.427	3640	3645	3655	rVB2	772203	1712384	6.02%	1.046%
62	24.844	3712	3716	3722	rVB4	503100	1015349	3.57%	0.620%
63	25.103	3753	3760	3770	rVB	1023766	2591414	9.11%	1.583%
64	25.432	3808	3816	3825	rVB2	1763501	4657148	16.37%	2.845%
65	25.715	3857	3864	3882	rVB3	1148886	3467754	12.19%	2.118%

Sum of corrected areas: 163693759

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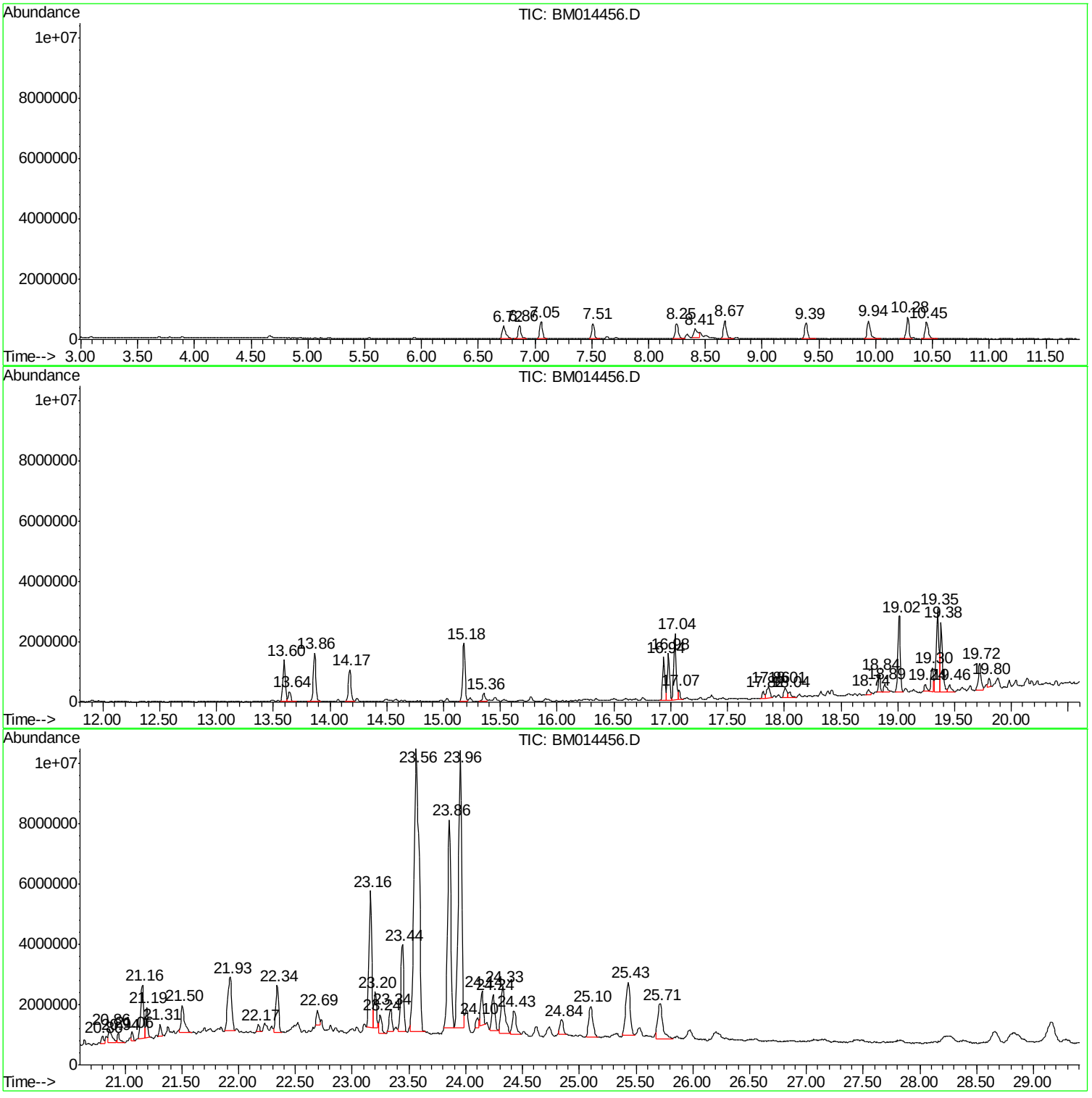
Sample : J1646-16RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE5Y0RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

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Data File : BM014456.D
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Quant Title : SVOA CALIBRATION

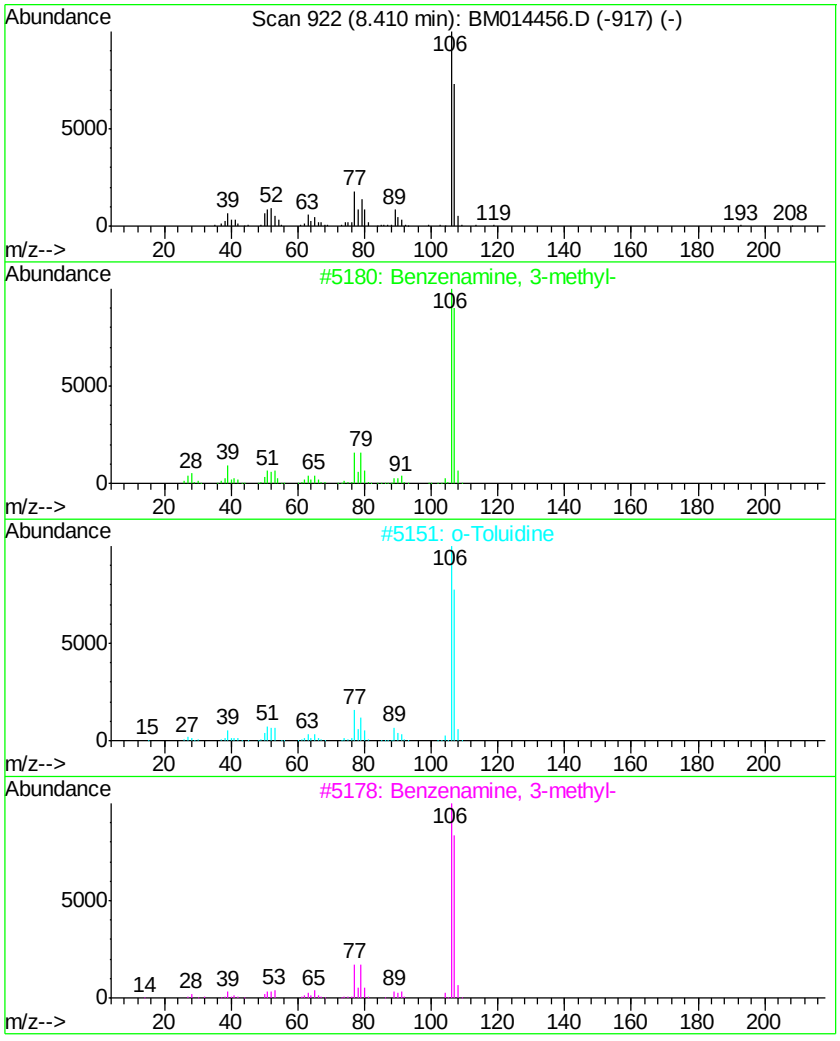
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

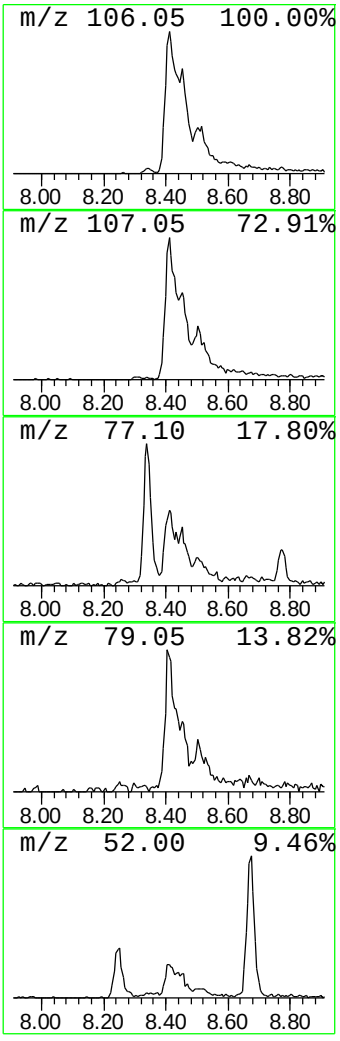
****

Peak Number 1 Benzenamine, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	18.67 ng/ul	740322	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 3-methyl-	107	C7H9N	000108-44-1	93
2	o-Toluidine	107	C7H9N	000095-53-4	93
3	Benzenamine, 3-methyl-	107	C7H9N	000108-44-1	90
4	Benzenamine, 3-methyl-	107	C7H9N	000108-44-1	90
5	Benzenamine, 3-methyl-	107	C7H9N	000108-44-1	90





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Data File : BM014456.D
Acq On : 02 Mar 2018 11:43
Operator : SJ/JU
Sample : J1646-16RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y0RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

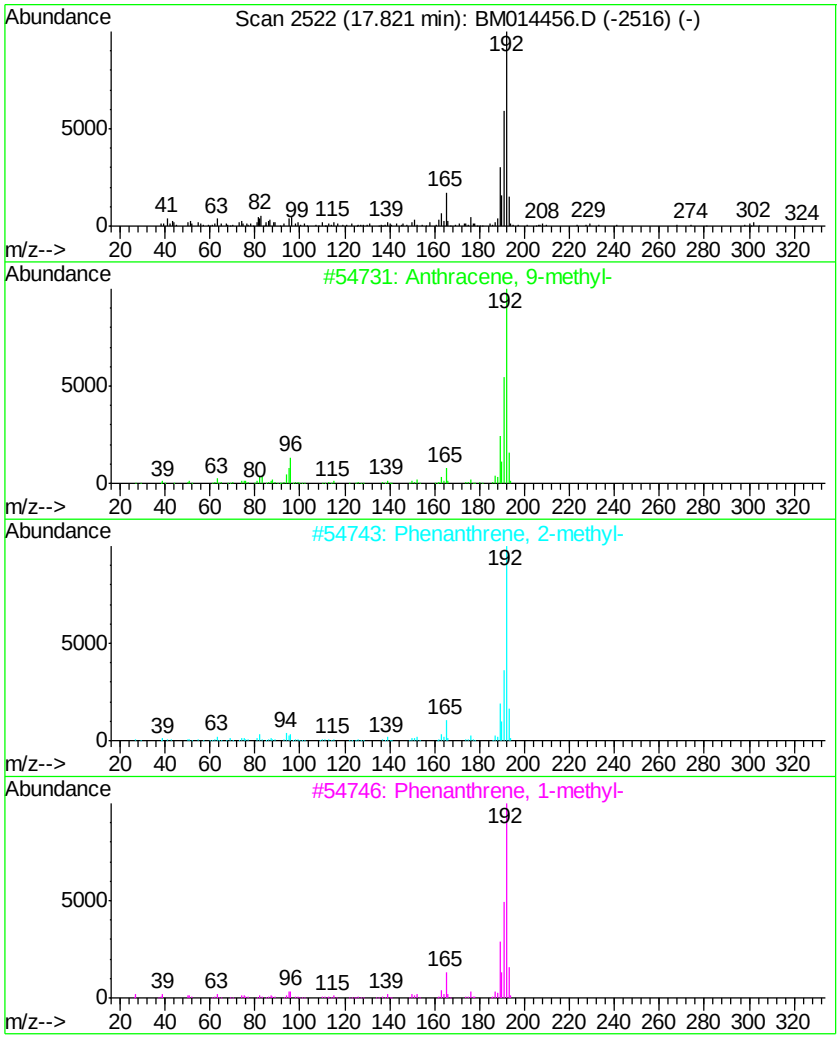
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

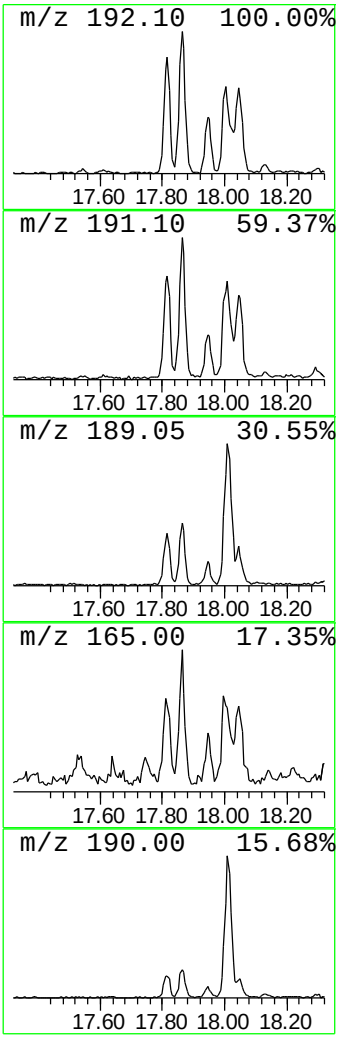
****

Peak Number 2 Anthracene, 9-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	3.74 ng/ul	372721	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Data File : BM014456.D
Acq On : 02 Mar 2018 11:43
Operator : SJ/JU
Sample : J1646-16RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y0RE

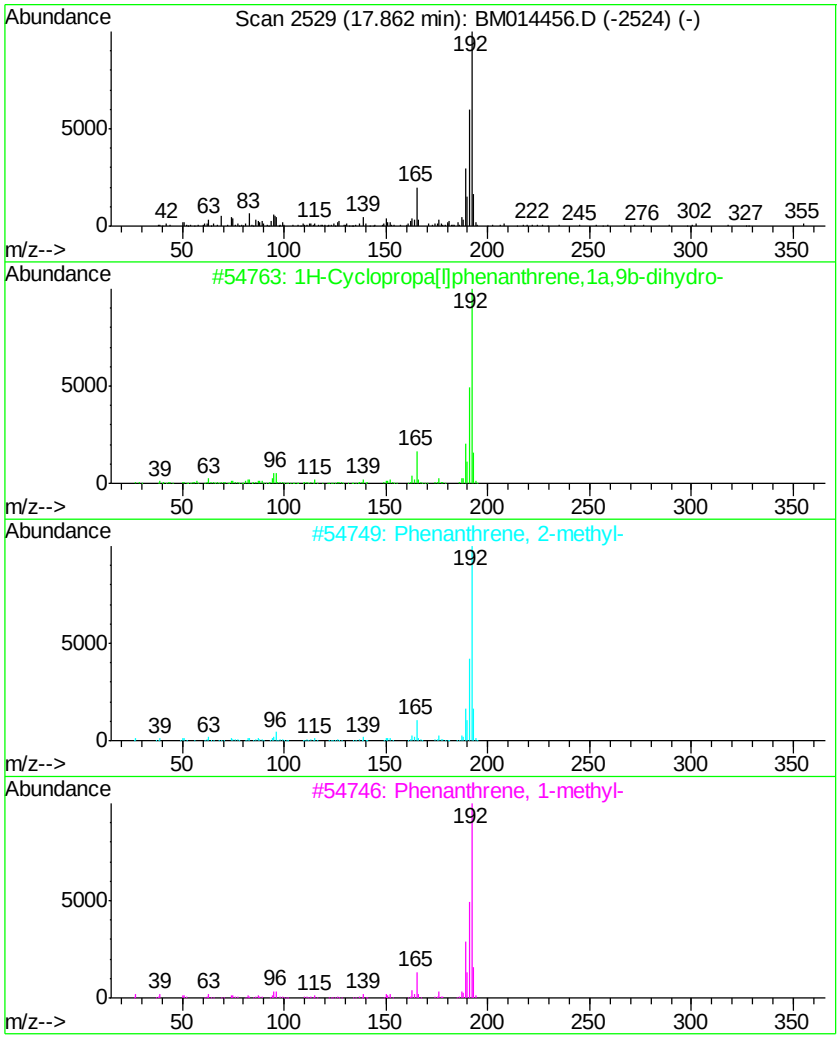
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

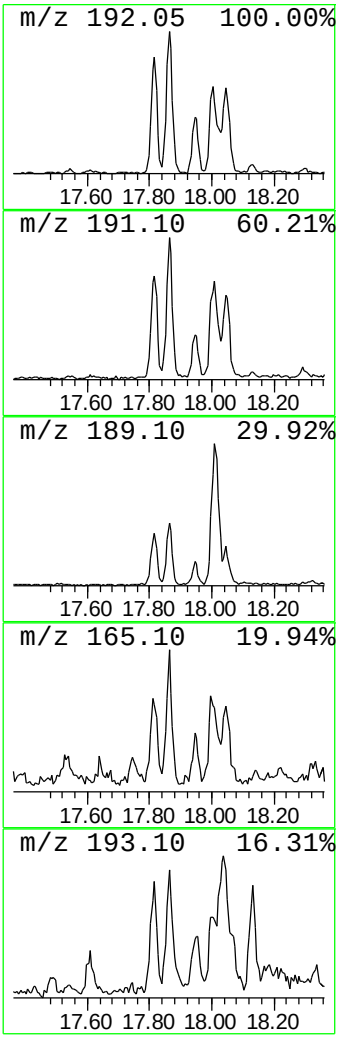
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 1H-Cyclopropa[l]phenanthren... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	7.46 ng/ul	743817	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
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Operator : SJ/JU
Sample : J1646-16RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y0RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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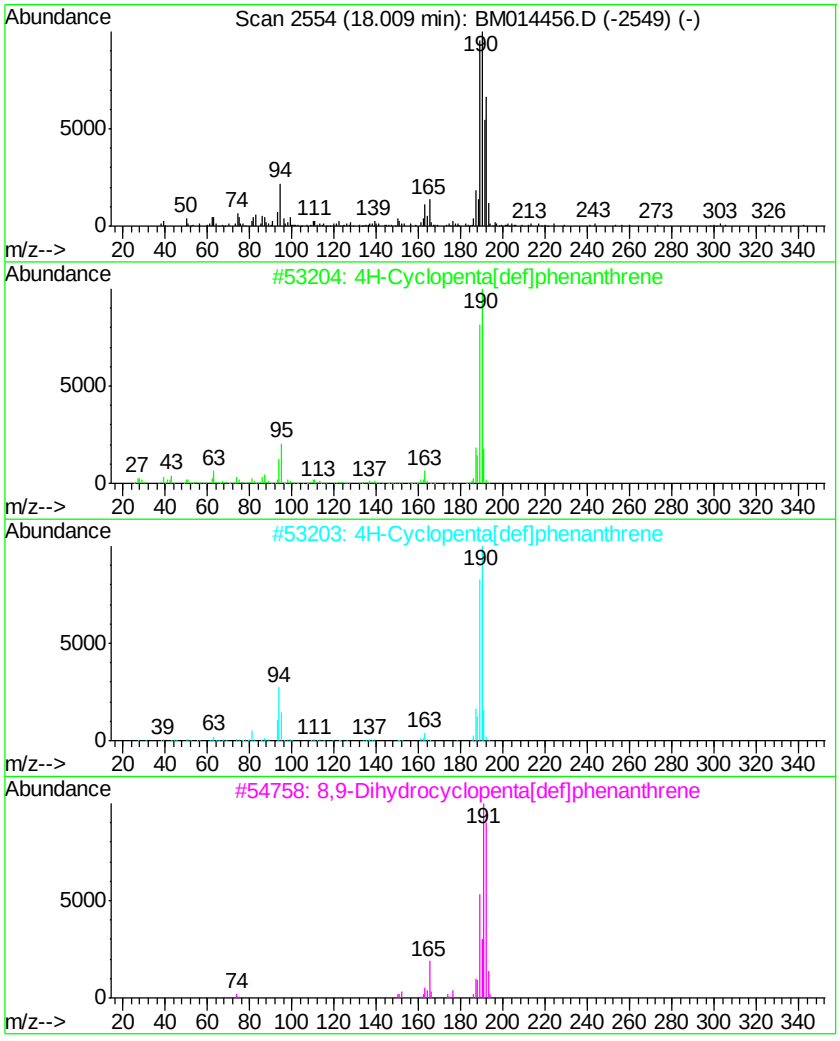
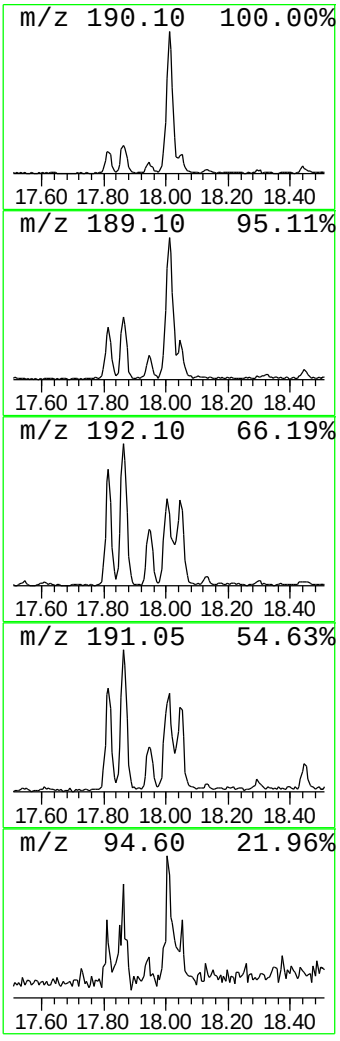
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	6.37 ng/ul	634958	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	38
4	2-Hydroxy-4-methyl-6-(2-thienyl)...	192	C9H8N2OS	026963-45-1	35
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	30





Library Search Compound Report

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Acq On : 02 Mar 2018 11:43
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Sample : J1646-16RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y0RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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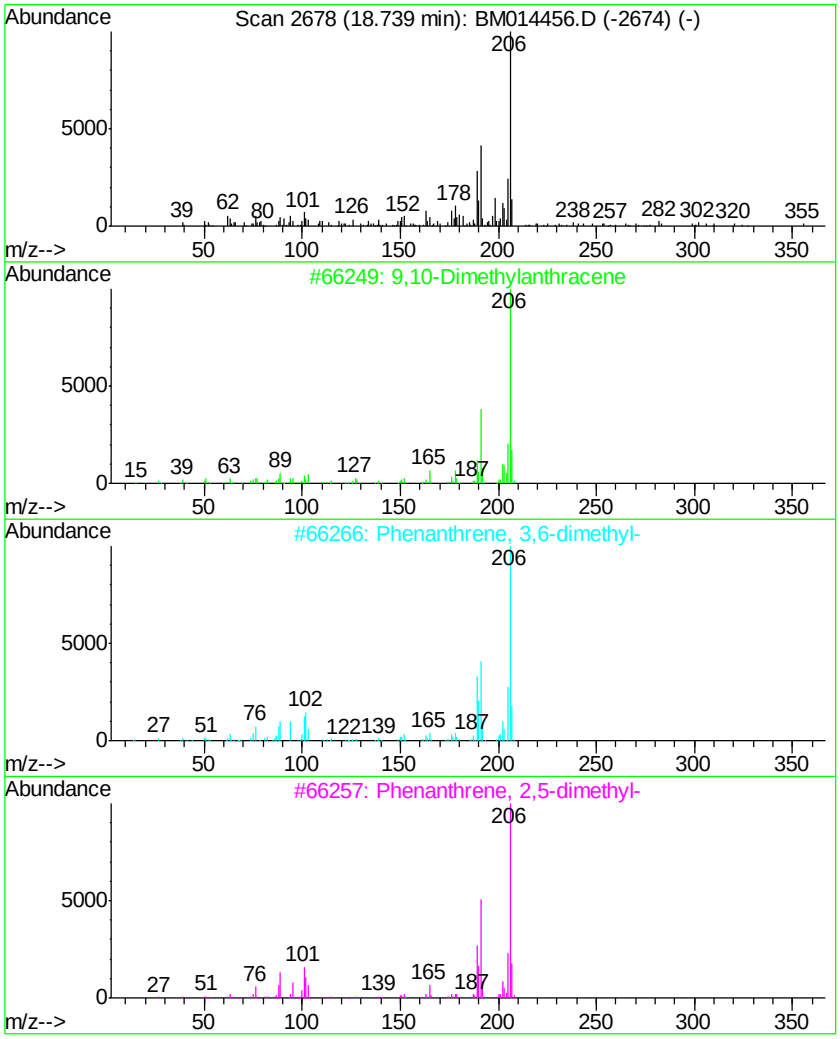
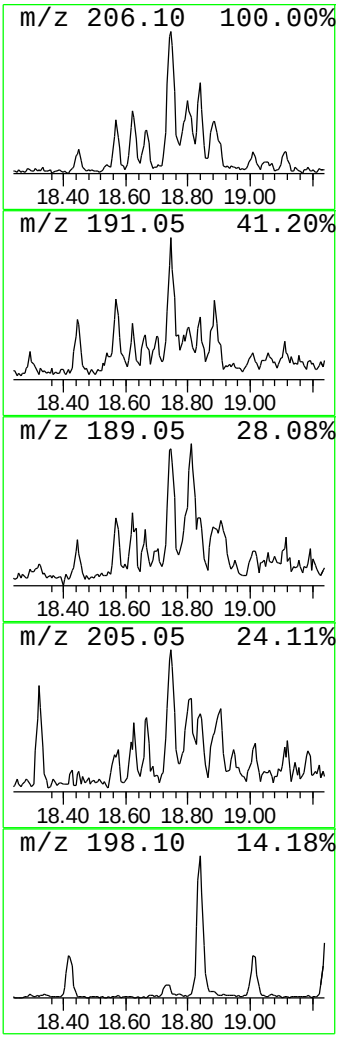
Peak Number 6 9,10-Dimethylanthracene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	2.91 ng/ul	289903	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	76





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Instrument : BNA_M
ClientSampleId : BE5Y0RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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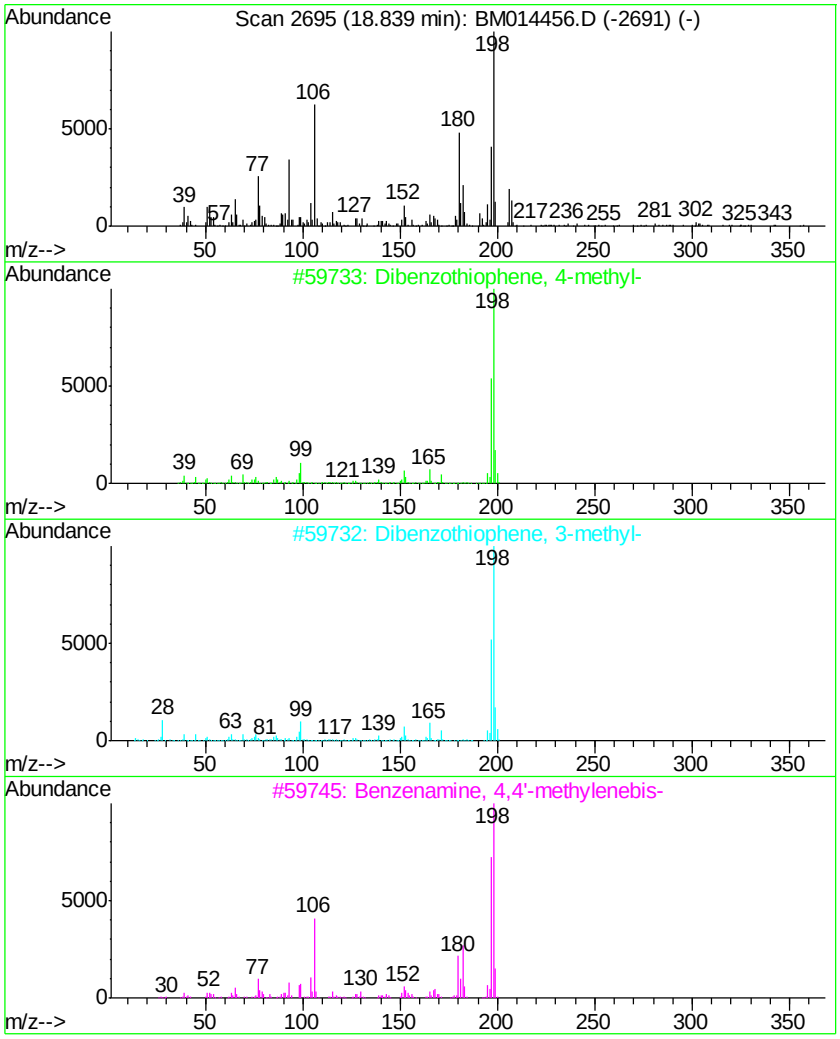
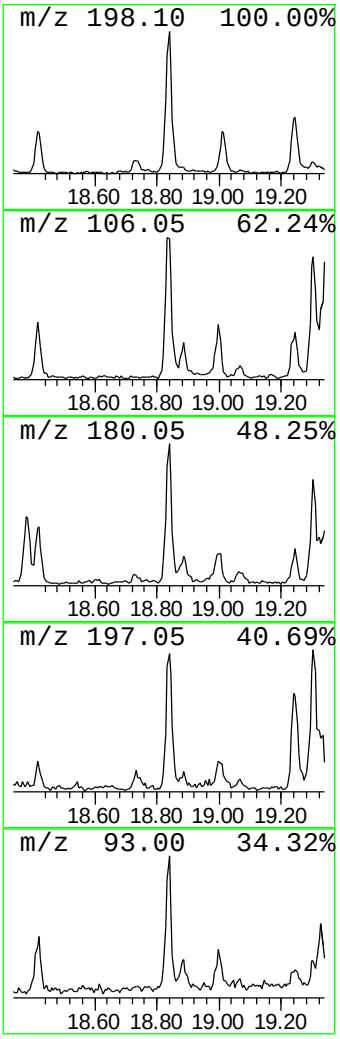
Peak Number 7 Dibenzothiophene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	6.98 ng/ul	695728	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	50
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	50
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	50
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	49
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	43





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Sample : J1646-16RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y0RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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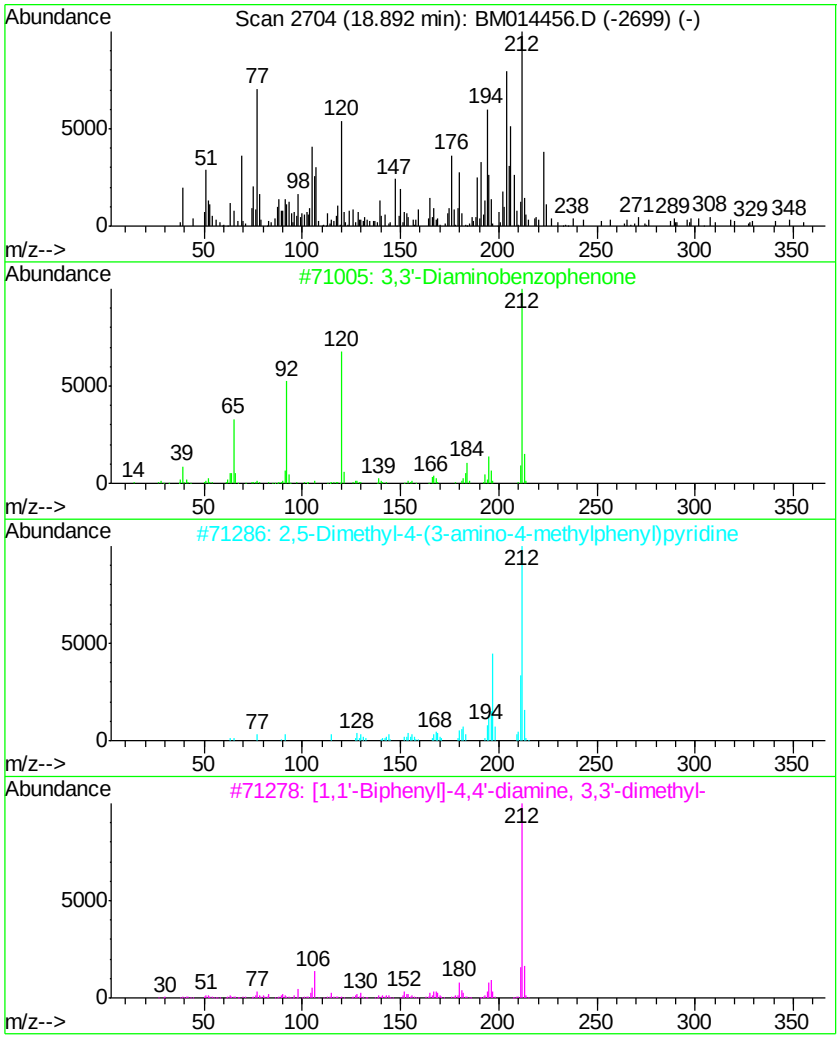
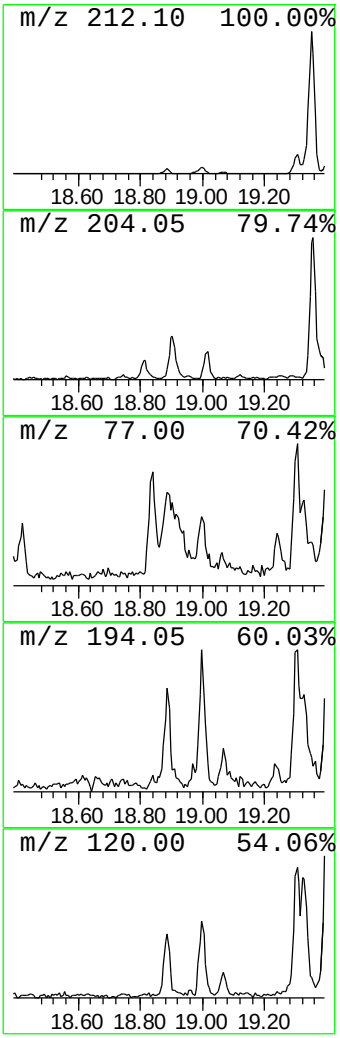
Peak Number 8 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	4.65 ng/ul	463286	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3'-Diaminobenzophenone	212	C13H12N2O	000611-79-0	41
2	2,5-Dimethyl-4-(3-amino-4-methyl...	212	C14H16N2	071153-33-8	25
3	[1,1'-Biphenyl]-4,4'-diamine, 3,...	212	C14H16N2	000119-93-7	20
4	[1,1'-Biphenyl]-4,4'-diamine, 3,...	212	C14H16N2	000119-93-7	18
5	Benzenamine, 3-methoxy-N-(4-pyri...	212	C13H12N2O	041855-71-4	15





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Sample : J1646-16RE
Misc :
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Instrument : BNA_M
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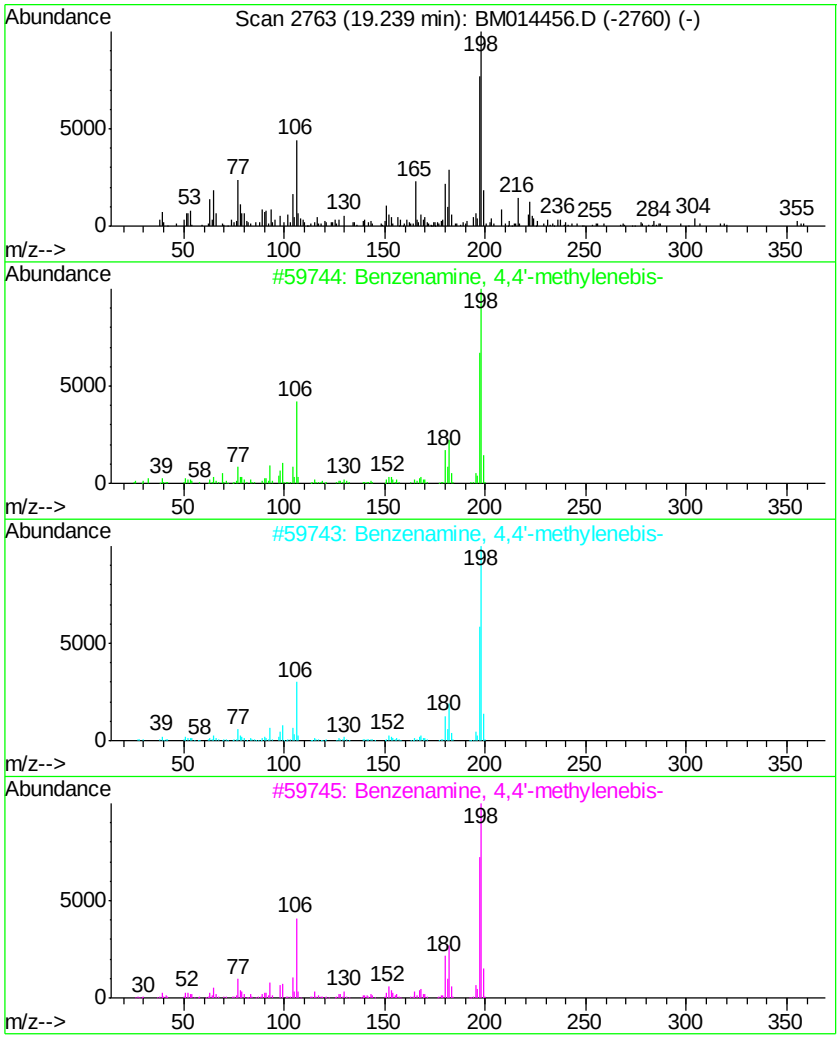
Quant Title : SVOA CALIBRATION

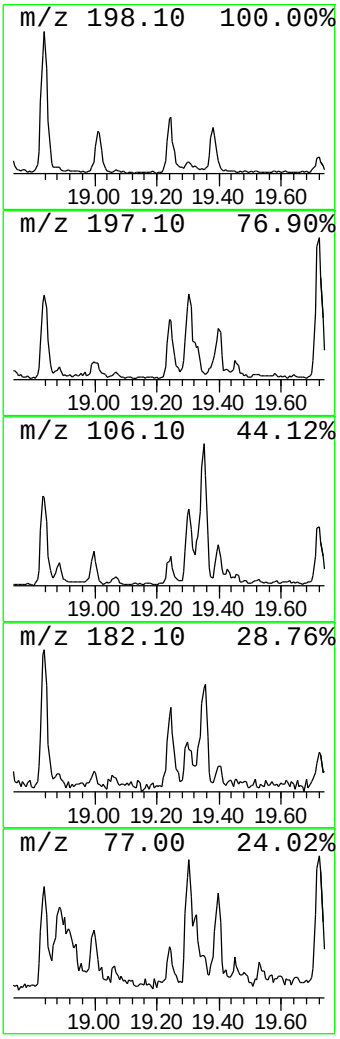
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzenamine, 4,4'-methylene... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	2.08 ng/ul	359591	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	89
2	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	89
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	76
4	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	50
5	Tacrine	198	C13H14N2	000321-64-2	46





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ClientSampleId : BE5Y0RE

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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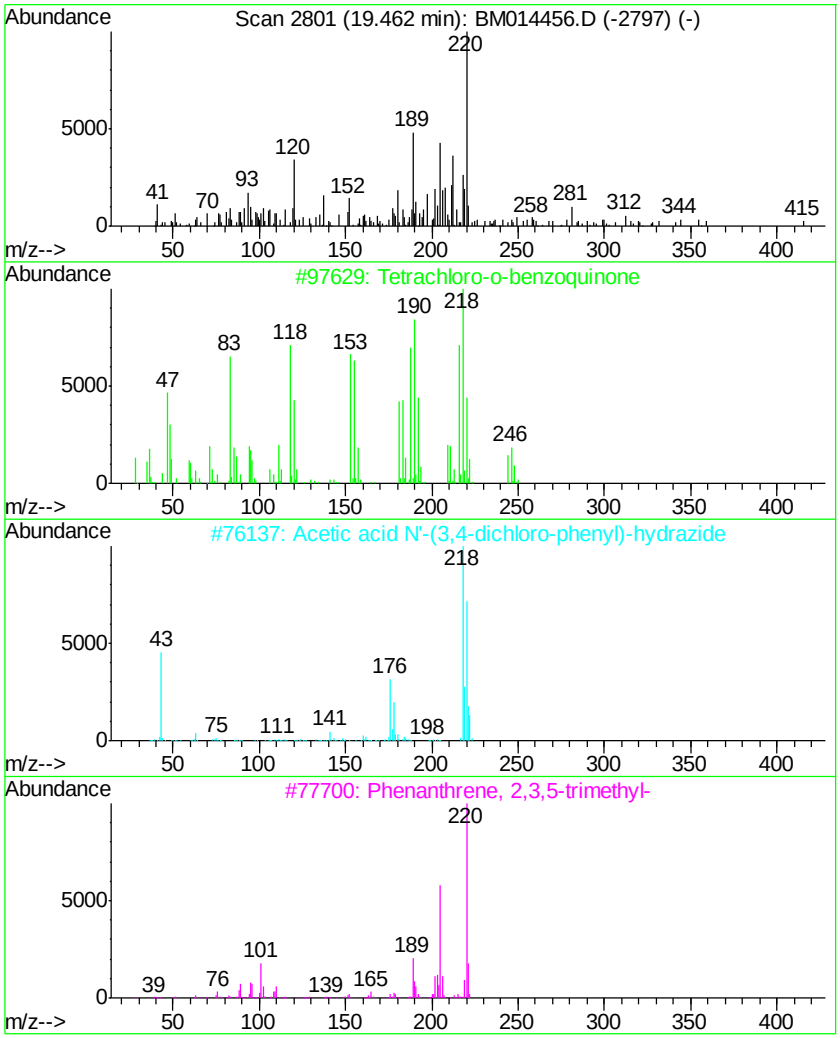
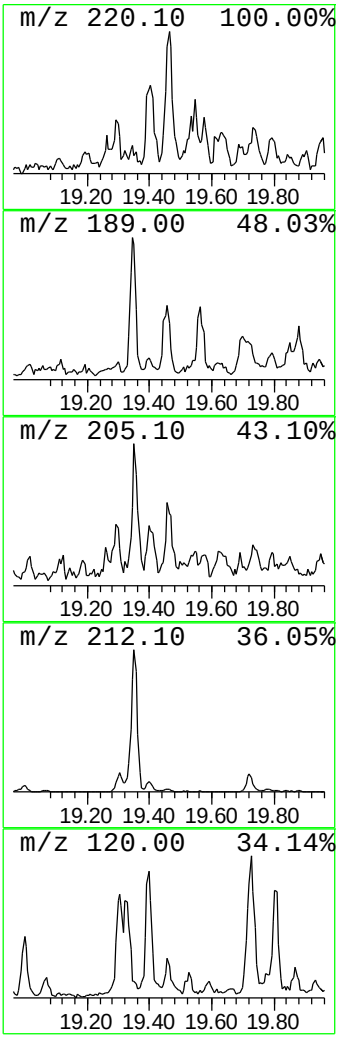
Peak Number 10 Tetrachloro-o-benzoquinone Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.46	2.48 ng/ul	428474	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrachloro-o-benzoquinone	244	C6Cl4O2	002435-53-2	91
2	Acetic acid N'-(3,4-dichloro-phe...	218	C8H8Cl2N2O	1000294-80-9	43
3	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	30
4	2-Fluoro-4-bromobenzoic acid	218	C7H4BrFO2	1000306-78-4	27
5	Benzenamine, 4-[2-oxo-2-(1-pyrro...	220	C12H16N2O2	1000327-54-6	25





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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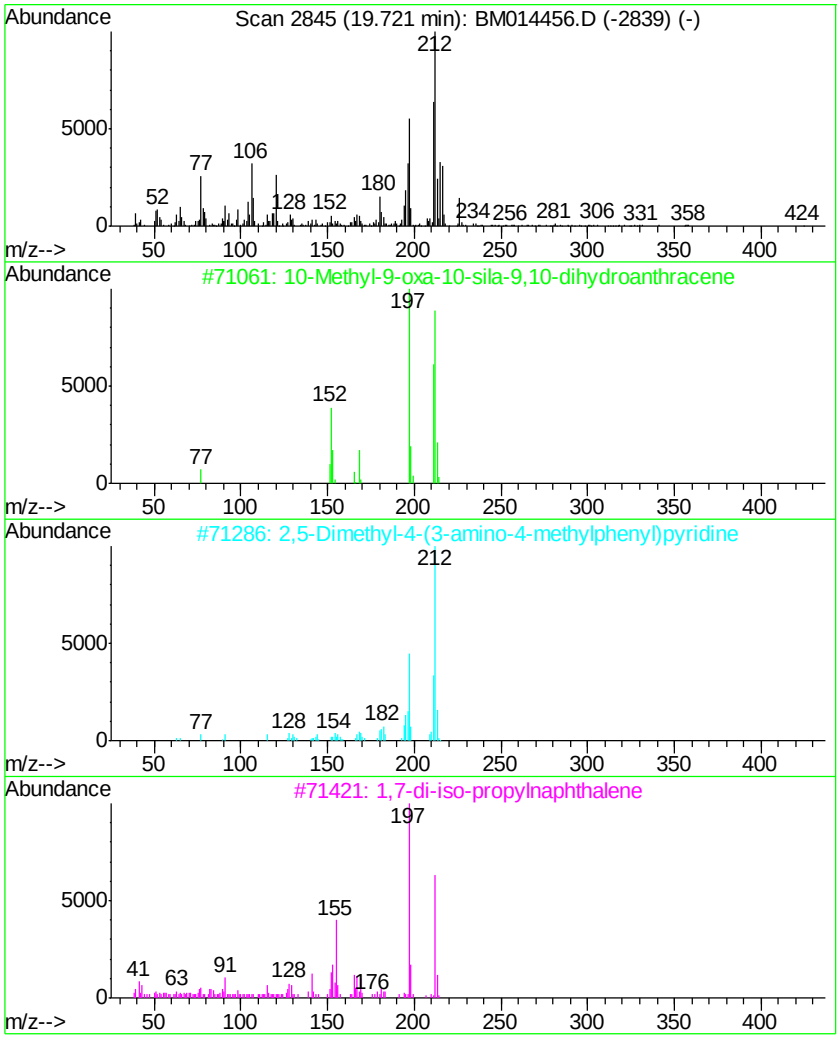
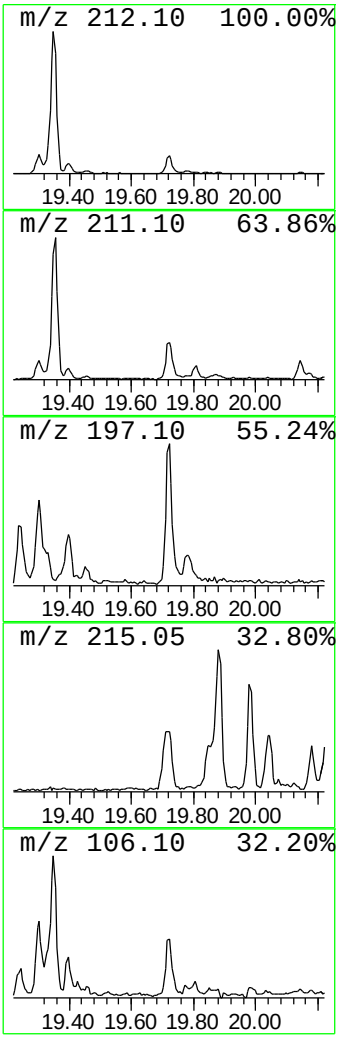
Peak Number 11 unknown-02 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	8.83 ng/ul	1523760	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methyl-9-oxa-10-sila-9,10-dih...	212	C13H12OSi	074637-38-0	47
2	2,5-Dimethyl-4-(3-amino-4-methyl...	212	C14H16N2	071153-33-8	46
3	1,7-di-iso-propylnaphthalene	212	C16H20	1000374-06-1	35
4	Benzoic acid, 3,4,5-trimethoxy-	212	C10H12O5	000118-41-2	35
5	Benzoic acid, 3,4,5-trimethoxy-	212	C10H12O5	000118-41-2	35





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Instrument : BNA_M
ClientSampleId : BE5Y0RE

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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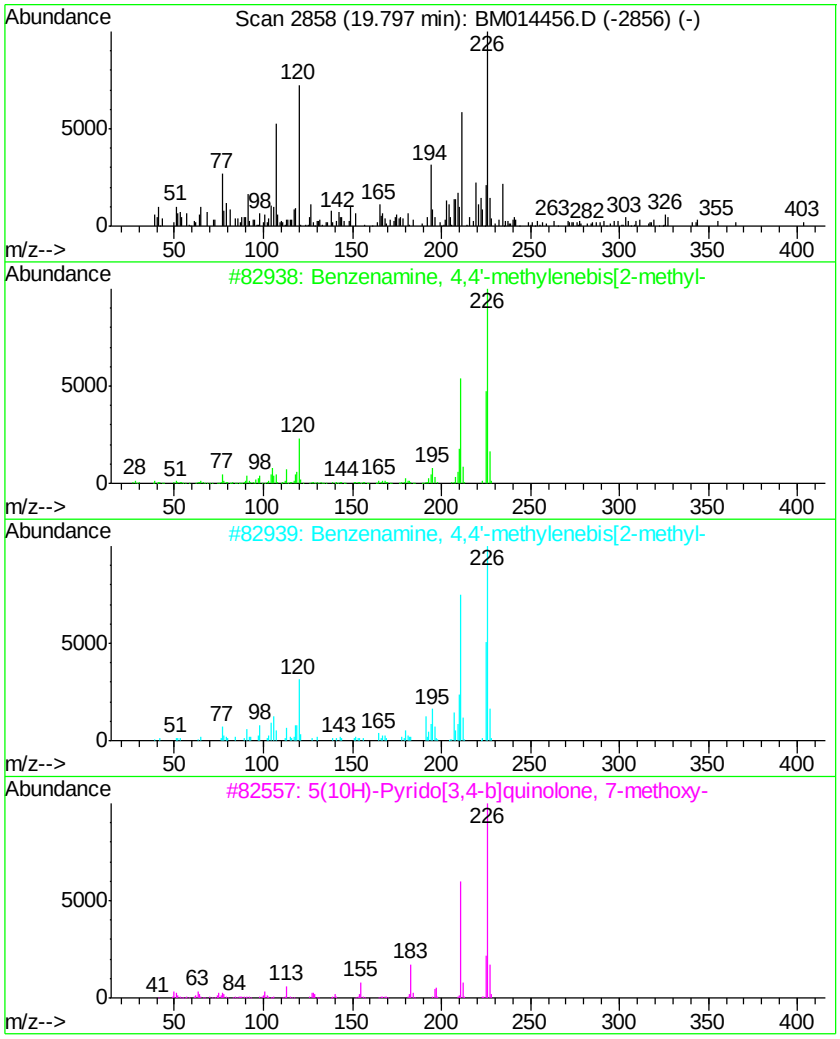
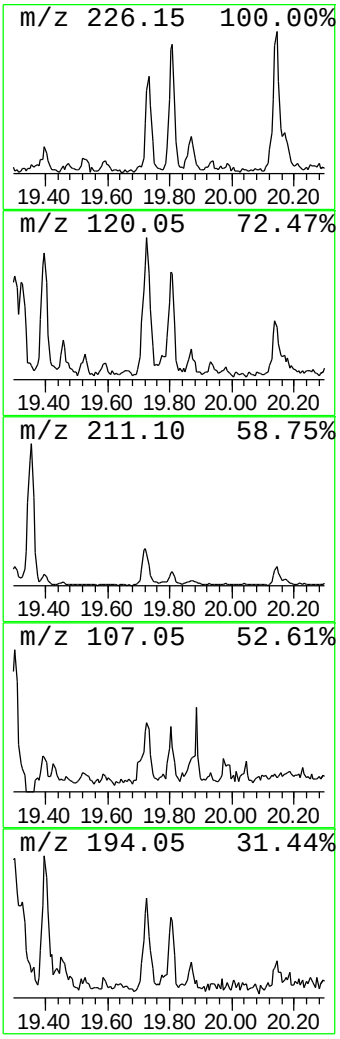
Peak Number 12 Benzenamine, 4,4'-methylene... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	2.04 ng/ul	352584	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 4,4'-methylenebis[2...	226	C15H18N2	000838-88-0	58
2	Benzenamine, 4,4'-methylenebis[2...	226	C15H18N2	000838-88-0	50
3	5(10H)-Pyrido[3,4-b]quinolone, 7...	226	C13H10N2O2	1000256-99-5	38
4	Benzenamine, 4,4'-methylenebis[2...	226	C15H18N2	000838-88-0	38
5	6,10-Methano-5H-cyclooct[b]indol...	226	C15H18N2	1000337-05-7	38





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ClientSampleId : BE5Y0RE

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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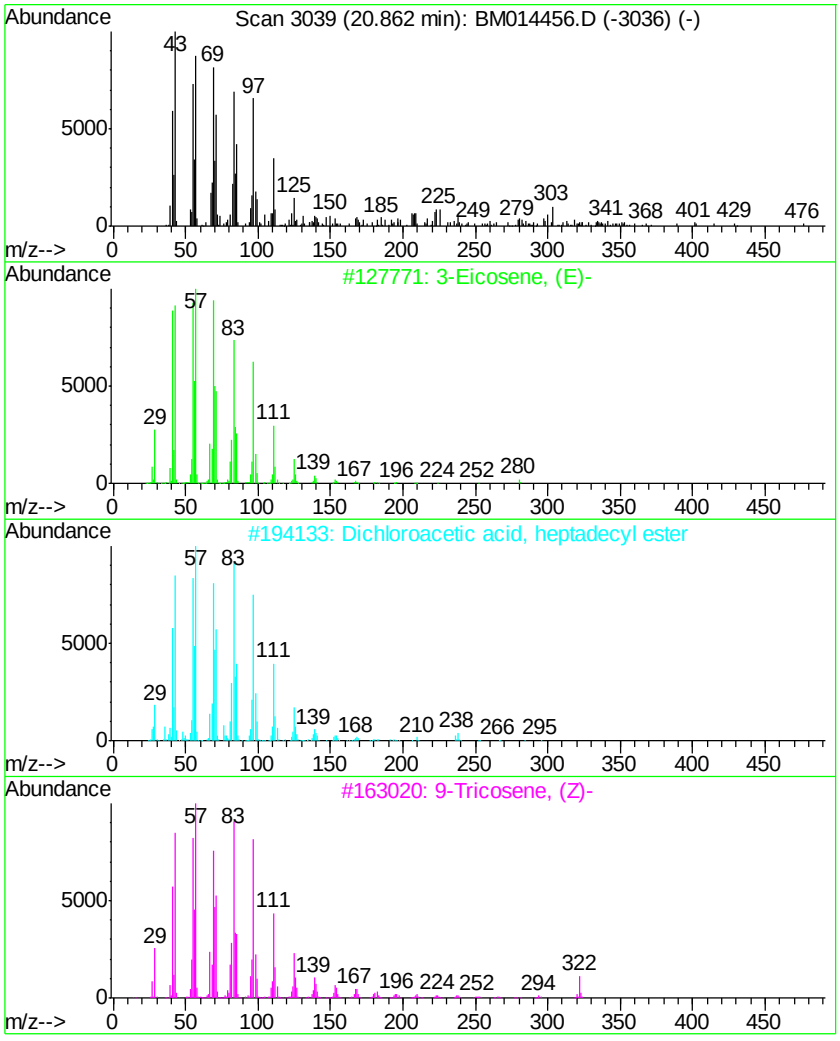
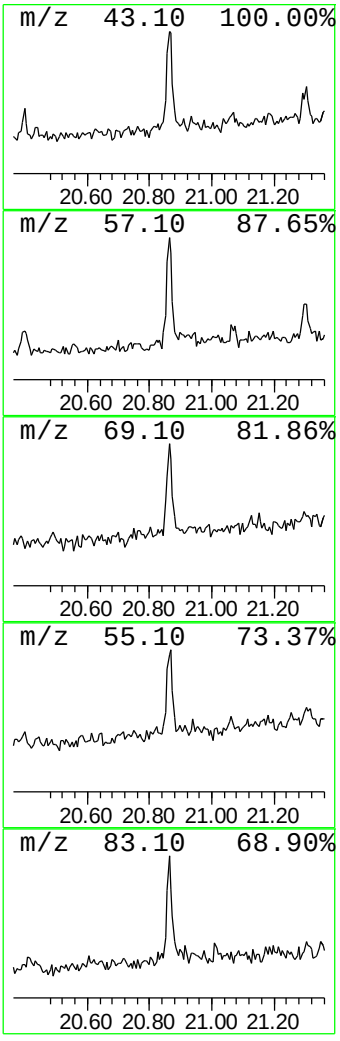
Peak Number 13 (DEL) Alkane: Cyclic20.86 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	5.90 ng/ul	1017590	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	94
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	93
3	9-Tricosene, (Z)-	322	C23H46	027519-02-4	90
4	5-Eicosene, (E)-	280	C20H40	074685-30-6	90
5	1-Tricosene	322	C23H46	018835-32-0	89





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ClientSampleId : BE5Y0RE

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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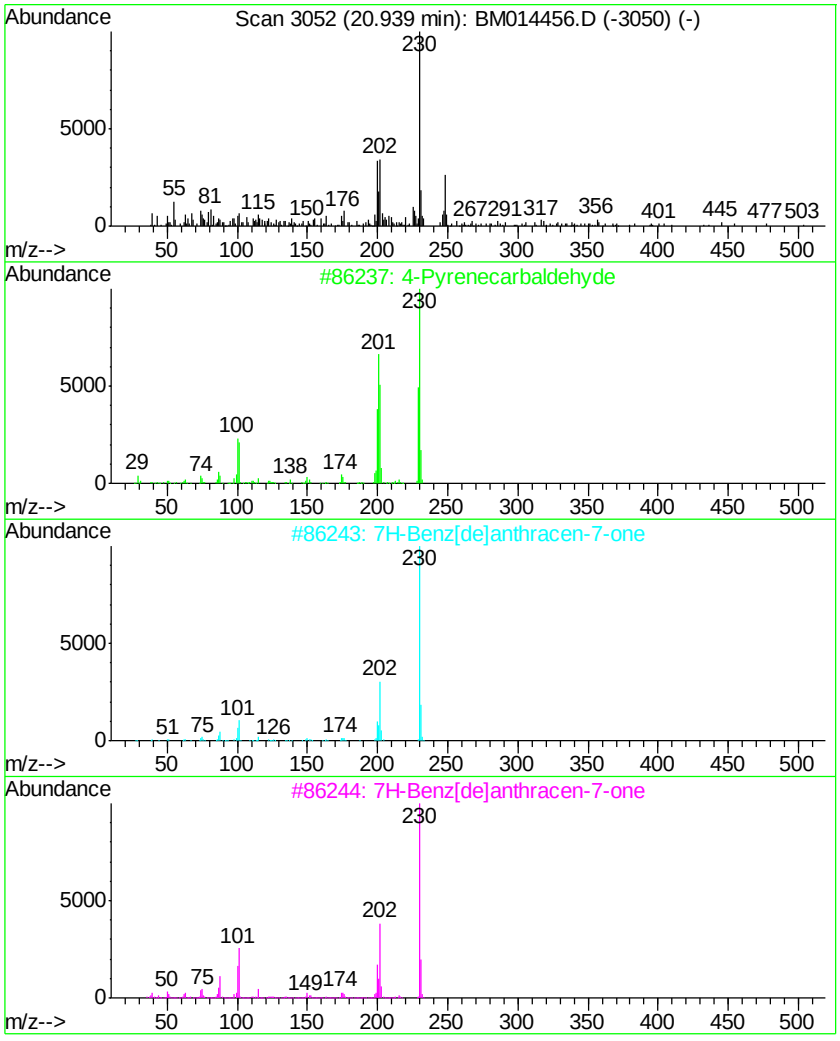
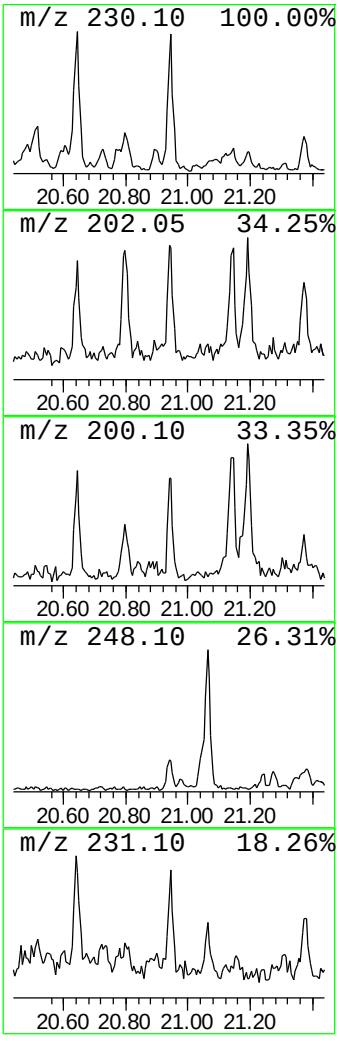
Peak Number 14 4-Pyrenecarbaldehyde Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	2.59 ng/ul	446460	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	76
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	70
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	70
4	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	64
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	62





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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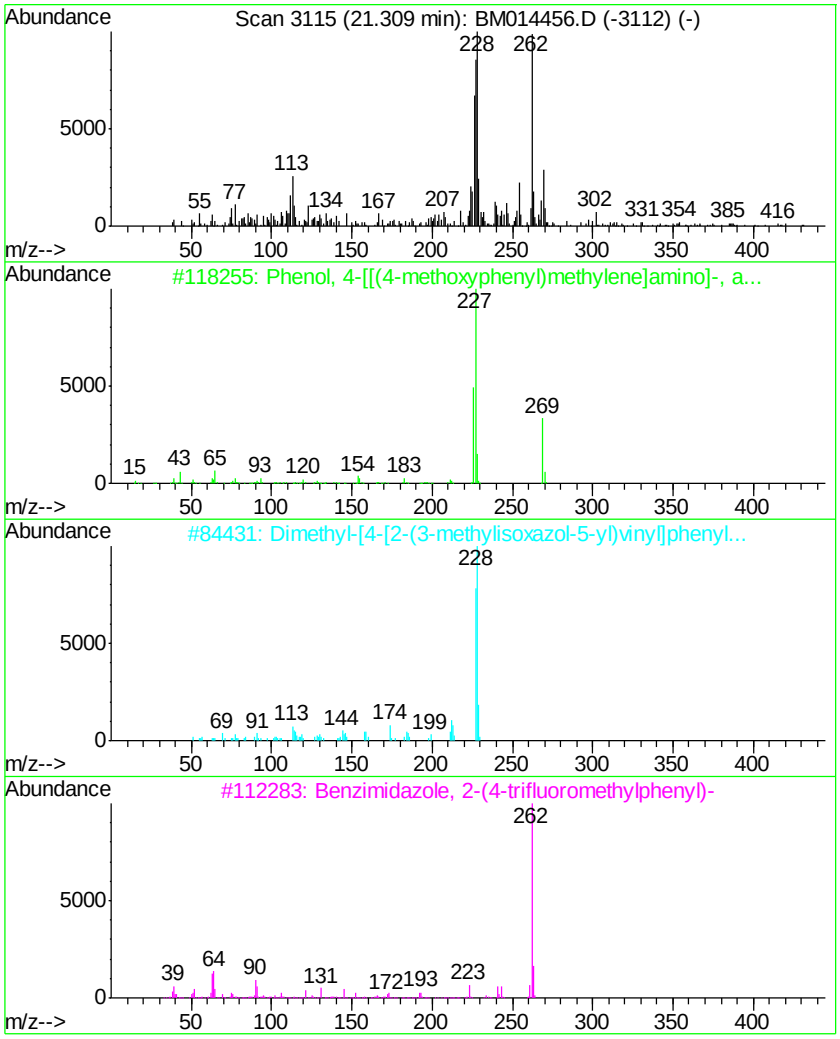
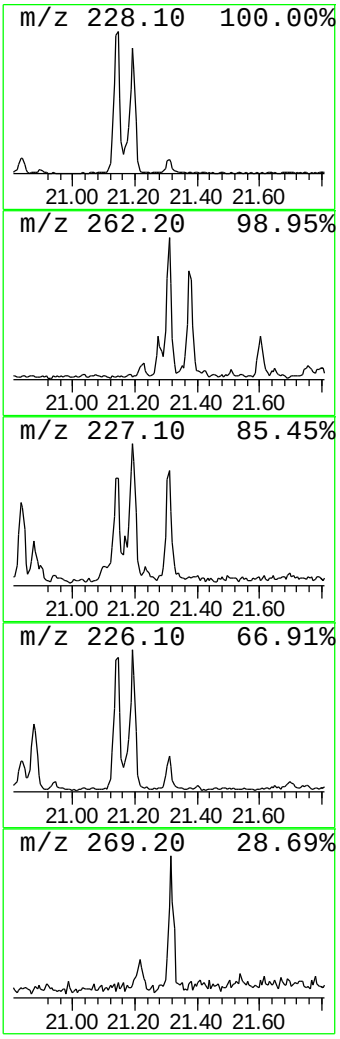
Peak Number 15 unknown-03 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.31	2.58 ng/ul	444546	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-[[(4-methoxyphenyl)met...	269	C16H15NO3	172201-27-3	30
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	30
3	Benzimidazole, 2-(4-trifluoromet...	262	C14H9F3N2	1000276-72-3	25
4	6,7-Dimethylthieno[2,3-b]quinoli...	228	C13H12N2S	1000306-62-3	25
5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	18





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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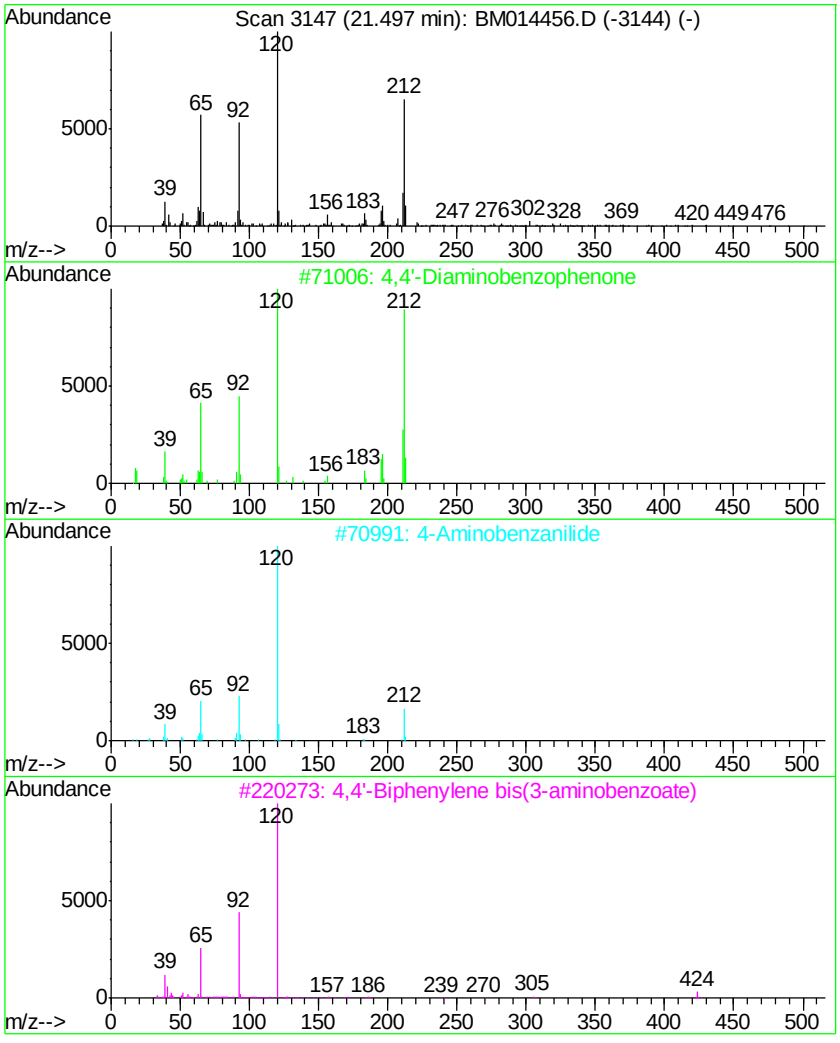
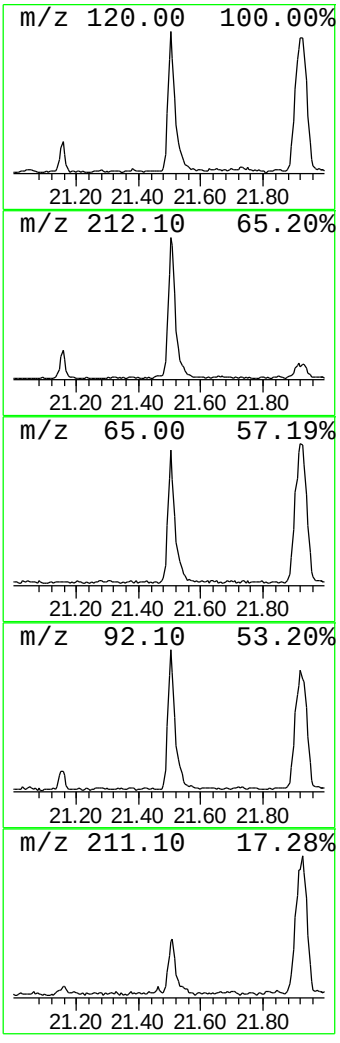
Peak Number 16 4,4'-Diaminobenzophenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.50	10.82 ng/ul	1867090	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Diaminobenzophenone	212	C13H12N2O	000611-98-3	96
2	4-Aminobenzanilide	212	C13H12N2O	000782-45-6	81
3	4,4'-Biphenylene bis(3-aminobenz...	424	C26H20N2O4	151059-07-3	59
4	Benzamide, 2-amino-N-[2-(2-amino...	298	C16H18N4O2	068864-40-4	59
5	Ethanone, 1-(2-aminophenyl)-	135	C8H9NO	000551-93-9	59





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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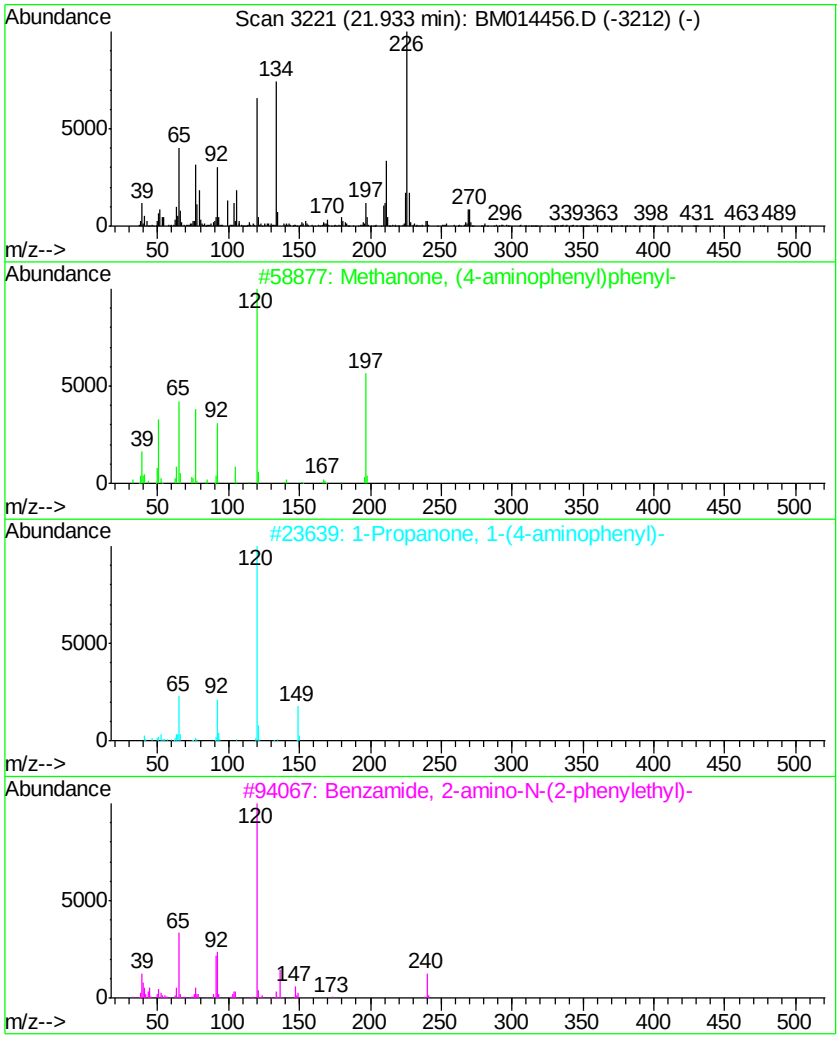
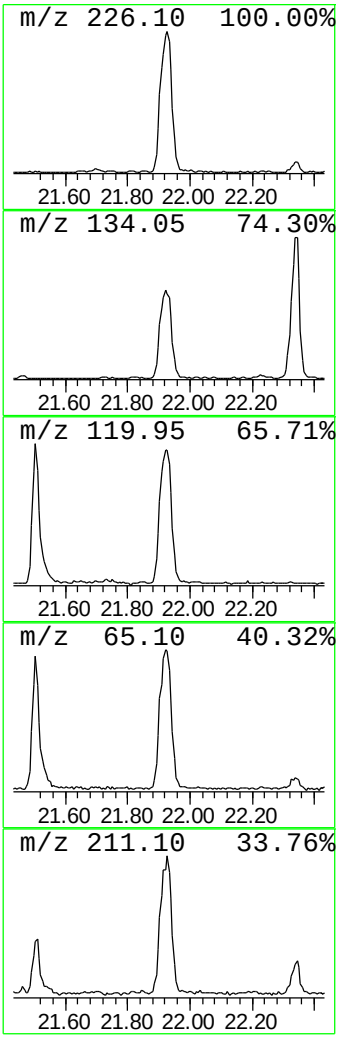
Peak Number 17 unknown-04 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.93	25.67 ng/ul	4430840	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanone, (4-aminophenyl)phenyl-	197	C13H11NO	001137-41-3	49
2	1-Propanone, 1-(4-aminophenyl)-	149	C9H11NO	000070-69-9	43
3	Benzamide, 2-amino-N-(2-phenylet...	240	C15H16N2O	1000337-97-2	43
4	(4-Aminobenzoyl)acetonitrile	160	C9H8N2O	059443-94-6	43
5	Benzoic acid, 2-amino-, phenyl e...	213	C13H11NO2	010268-69-6	43





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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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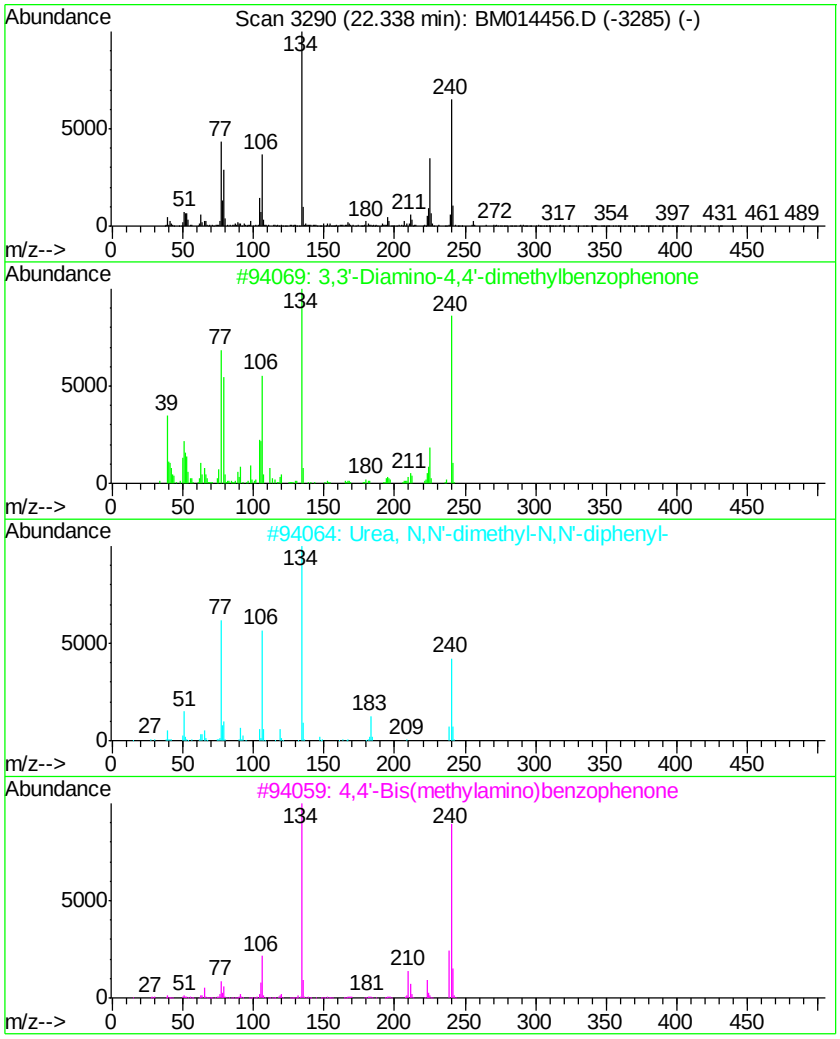
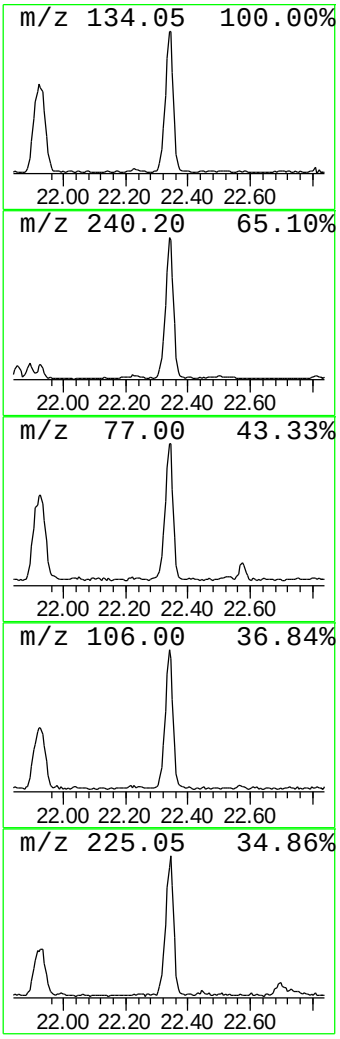
Peak Number 18 3,3'-Diamino-4,4'-dimethylb... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.34	44.53 ng/ul	2788880	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3'-Diamino-4,4'-dimethylbenzop...	240	C15H16N2O	313518-54-6	76
2	Urea, N,N'-dimethyl-N,N'-diphenyl-	240	C15H16N2O	000611-92-7	74
3	4,4'-Bis(methylamino)benzophenone	240	C15H16N2O	003708-39-2	49
4	2H-Benzimidazol-2-one, 1,3-dihydro-	134	C7H6N2O	000615-16-7	43
5	N-t-Butyldioxymethyl-N-ethylaniline	223	C13H21NO2	064254-25-7	38





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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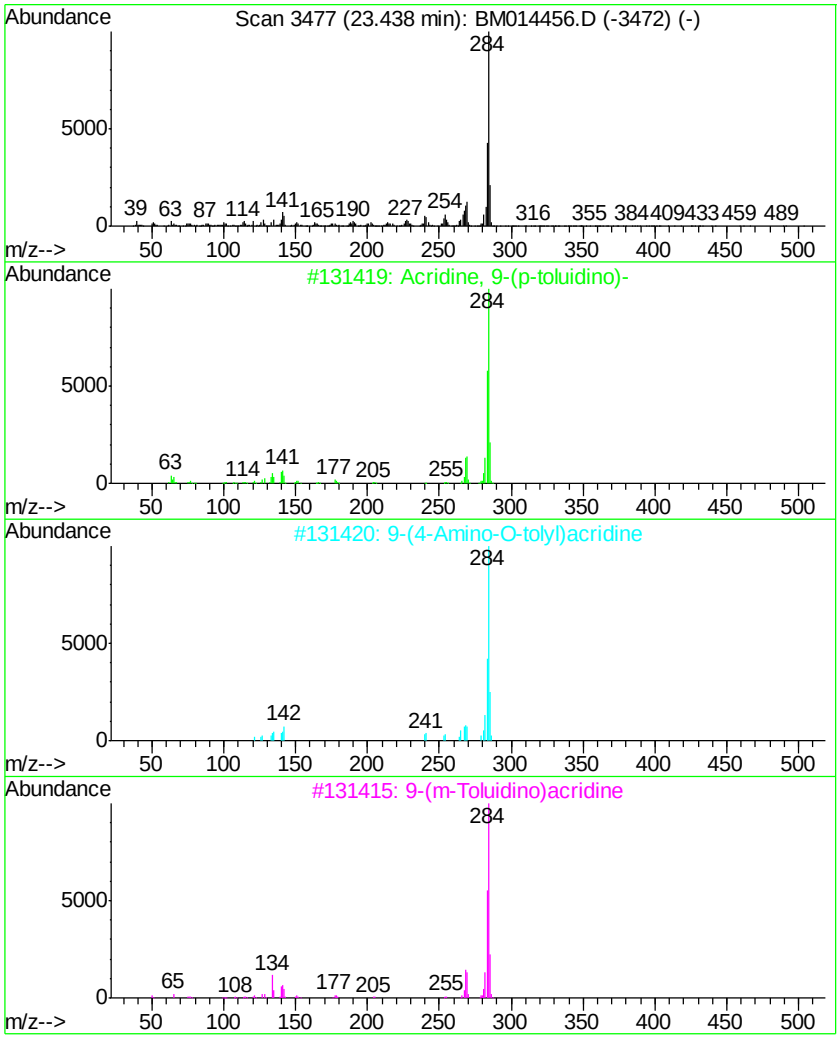
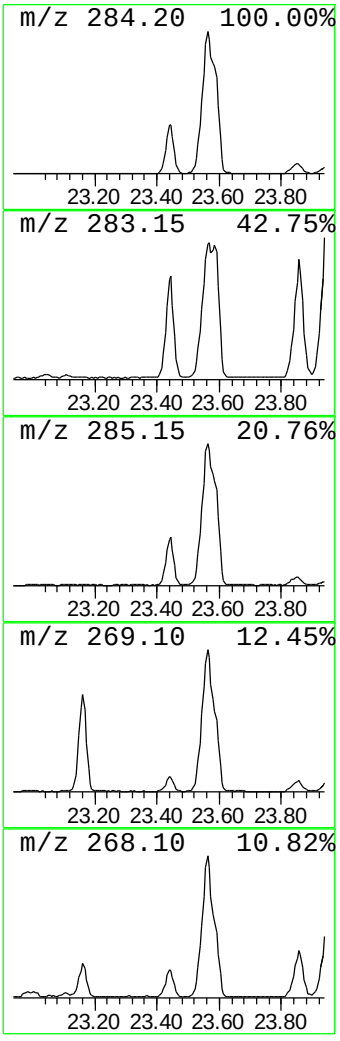
Peak Number 19 Acridine, 9-(p-toluidino)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.44	78.79 ng/ul	4934290	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine, 9-(p-toluidino)-	284	C20H16N2	073655-57-9	93
2	9-(4-Amino-O-tolyl)acridine	284	C20H16N2	030189-60-7	93
3	9-(m-Toluidino)acridine	284	C20H16N2	080260-72-6	93
4	Propenone, 1-(benzo[b]-1,4-dioxa...	284	C17H13FO3	133188-35-9	90
5	4-(Acridin-9-yl)-3-methylaniline	284	C20H16N2	1000326-84-6	89





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Acq On : 02 Mar 2018 11:43
Operator : SJ/JU
Sample : J1646-16RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y0RE

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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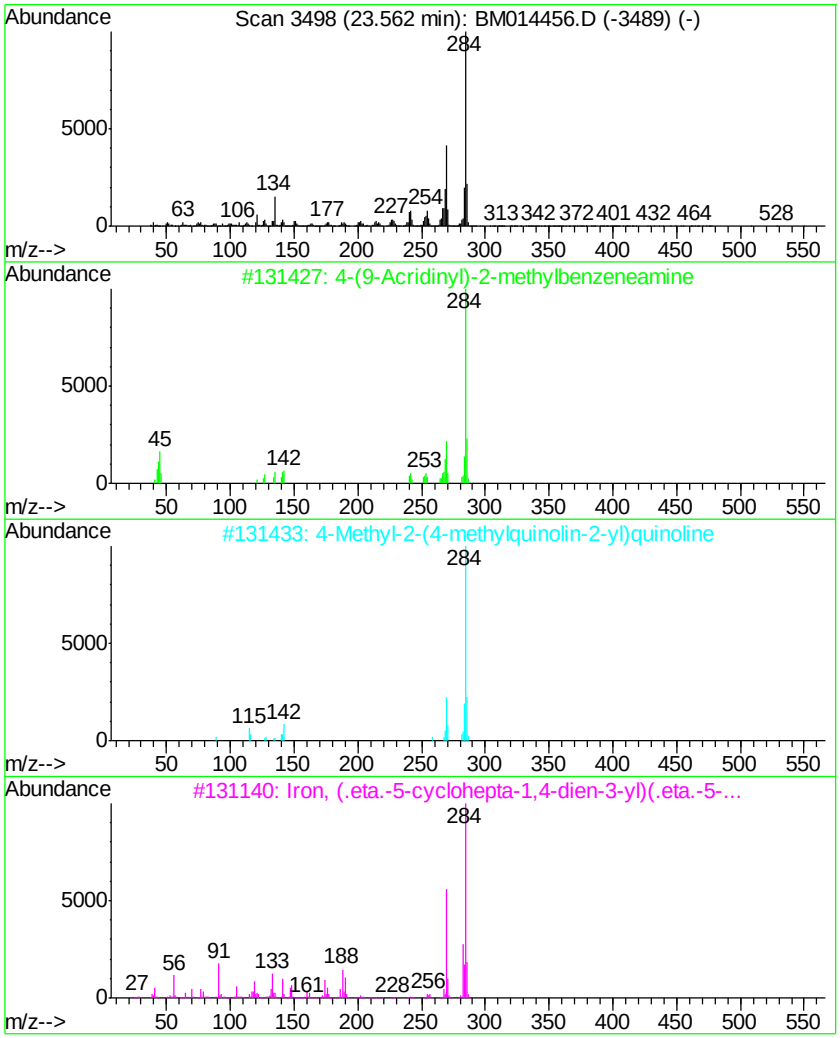
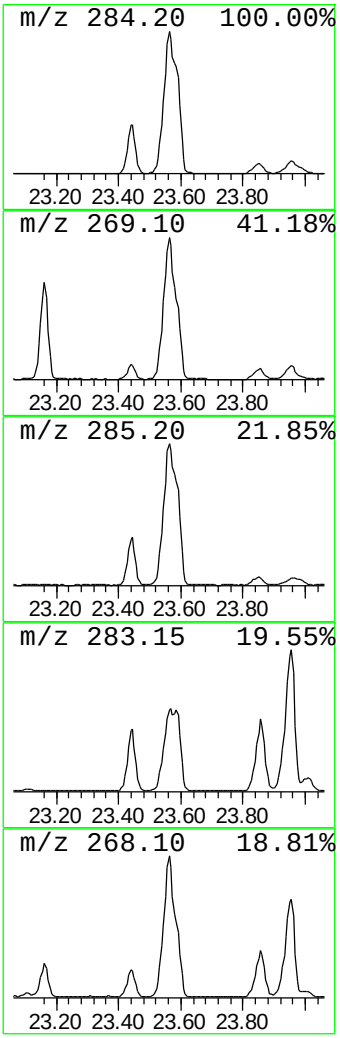
Peak Number 20 4-(9-Acridinyl)-2-methylben... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.56	454.19 ng/ul	28443800	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(9-Acridinyl)-2-methylbenzenea...	284	C20H16N2	035586-76-6	90
2	4-Methyl-2-(4-methylquinolin-2-y...	284	C20H16N2	1000326-82-1	80
3	Iron, (.eta.-5-cyclohepta-1,4-di...	284	C17H24Fe	1000162-47-6	68
4	6H-Benzofuro[3,2-c][1]benzopyran...	284	C17H16O4	000606-91-7	64
5	Propenone, 1-(benzo[b]-1,4-dioxa...	284	C17H13FO3	133188-35-9	60





Library Search Compound Report

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Operator : SJ/JU
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y0RE

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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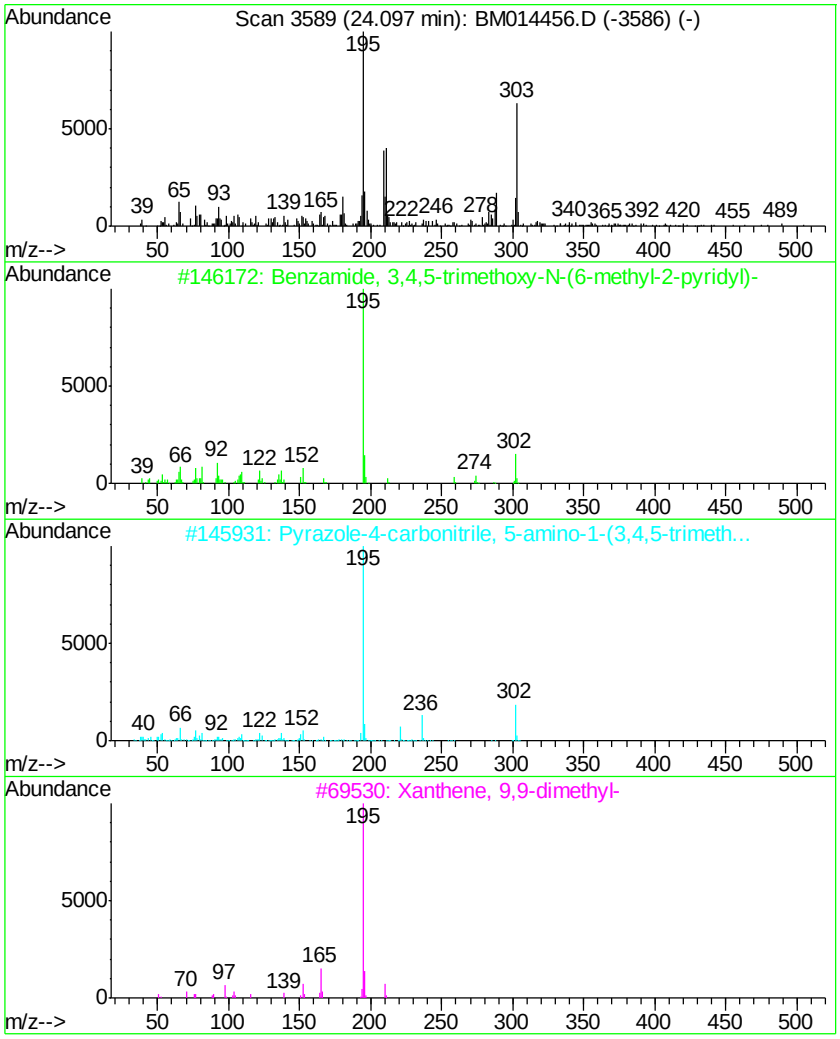
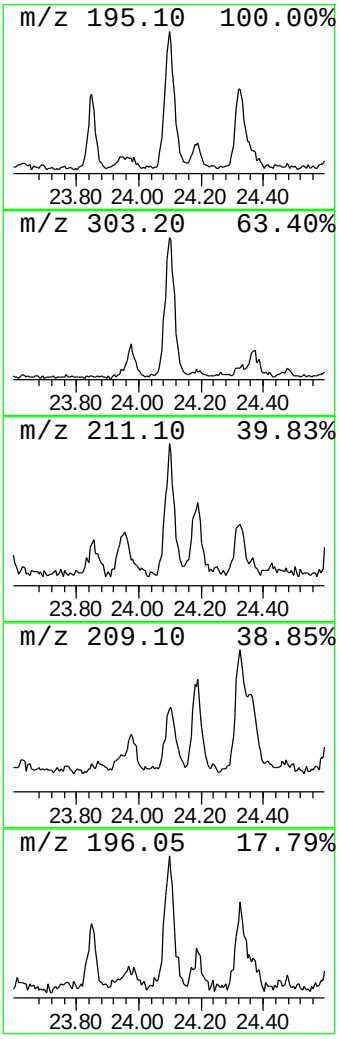
Peak Number 23 unknown-05 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.10	8.98 ng/ul	562159	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, 3,4,5-trimethoxy-N-(6...	302	C16H18N2O4	086425-53-8	38
2	Pyrazole-4-carbonitrile, 5-amino...	302	C14H14N4O4	296890-81-8	30
3	Xanthene, 9,9-dimethyl-	210	C15H14O	019814-75-6	25
4	Benzo[b]benzofuran-4-carboxamide...	288	C18H12N2O2	1000337-44-6	25
5	Benzhydrazide, 3,4,5-trimethoxy-...	358	C18H18N2O6	1000295-73-0	25





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Sample : J1646-16RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y0RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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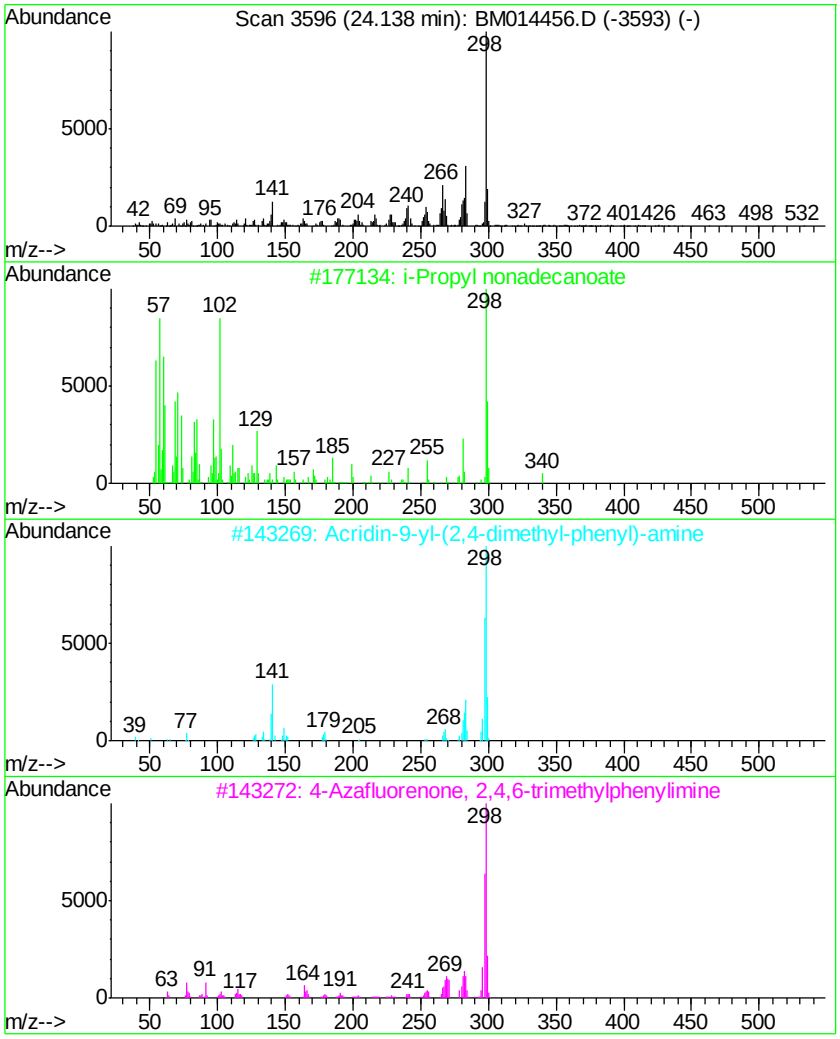
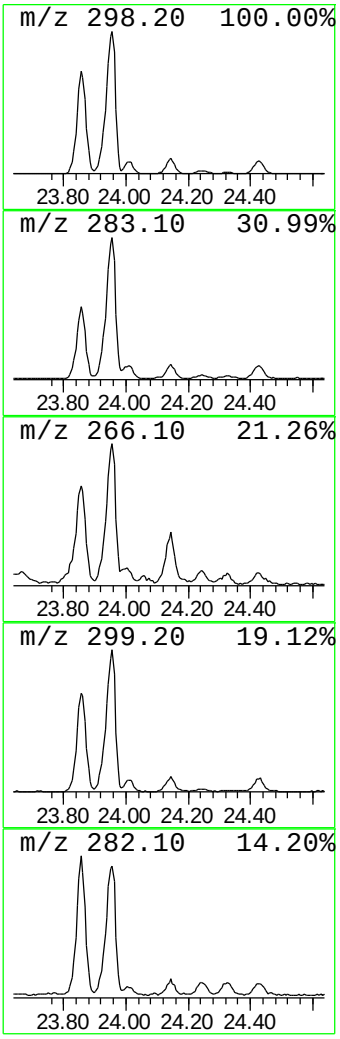
Peak Number 24 i-Propyl nonadecanoate Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.14	28.75 ng/ul	1800230	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	i-Propyl nonadecanoate	340	C22H44O2	1000336-76-2	94
2	Acridin-9-yl-(2,4-dimethyl-phenyl...	298	C21H18N2	1000317-48-1	76
3	4-Azafluorenone, 2,4,6-trimethyl...	298	C21H18N2	1000216-54-7	76
4	10,11-(4',5'-Dimethylbenzo[3.2]p...	298	C23H22	121732-62-5	64
5	2-(3-Hydroxy-4-methoxyphenyl)-3-...	298	C17H14O5	093322-40-8	58





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Operator : SJ/JU
Sample : J1646-16RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y0RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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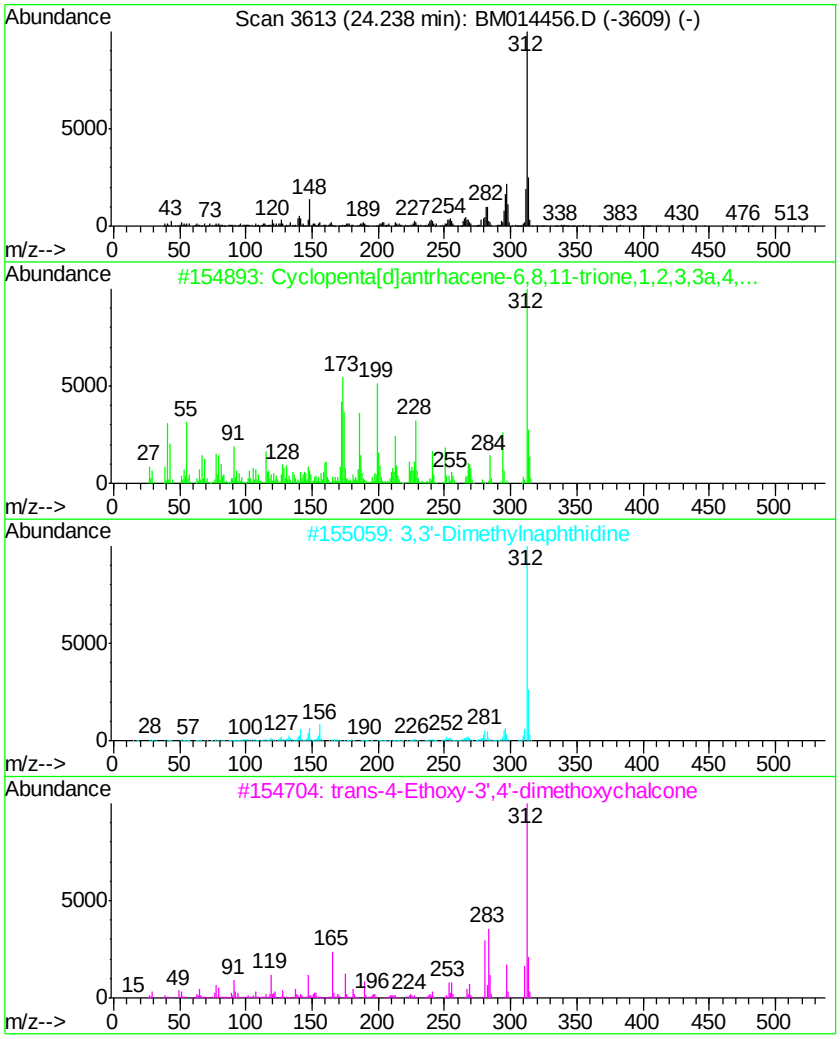
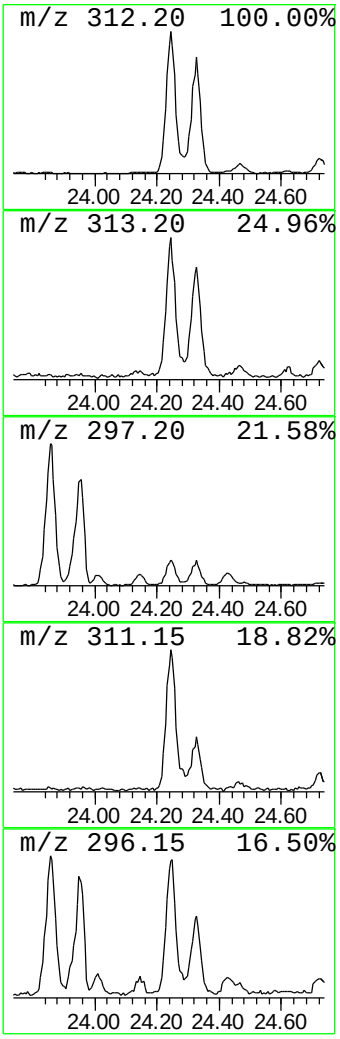
Peak Number 25 Cyclopenta[d]antrhacene-6,8... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.24	35.72 ng/ul	2237270	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[d]antrhacene-6,8,11-t...	312	C20H24O3	1000189-00-3	95
2	3,3'-Dimethylnaphthidine	312	C22H20N2	013138-48-2	93
3	trans-4-Ethoxy-3',4'-dimethoxych...	312	C19H20O4	214264-40-1	72
4	Dibenzo[a,E]cyclohepta-1,3,5-tri...	312	C19H20O4	1000259-94-0	72
5	2-Naphthylamine, N-methyl-1-(2-d...	312	C22H20N2	1000159-17-0	70





Library Search Compound Report

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Operator : SJ/JU
Sample : J1646-16RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y0RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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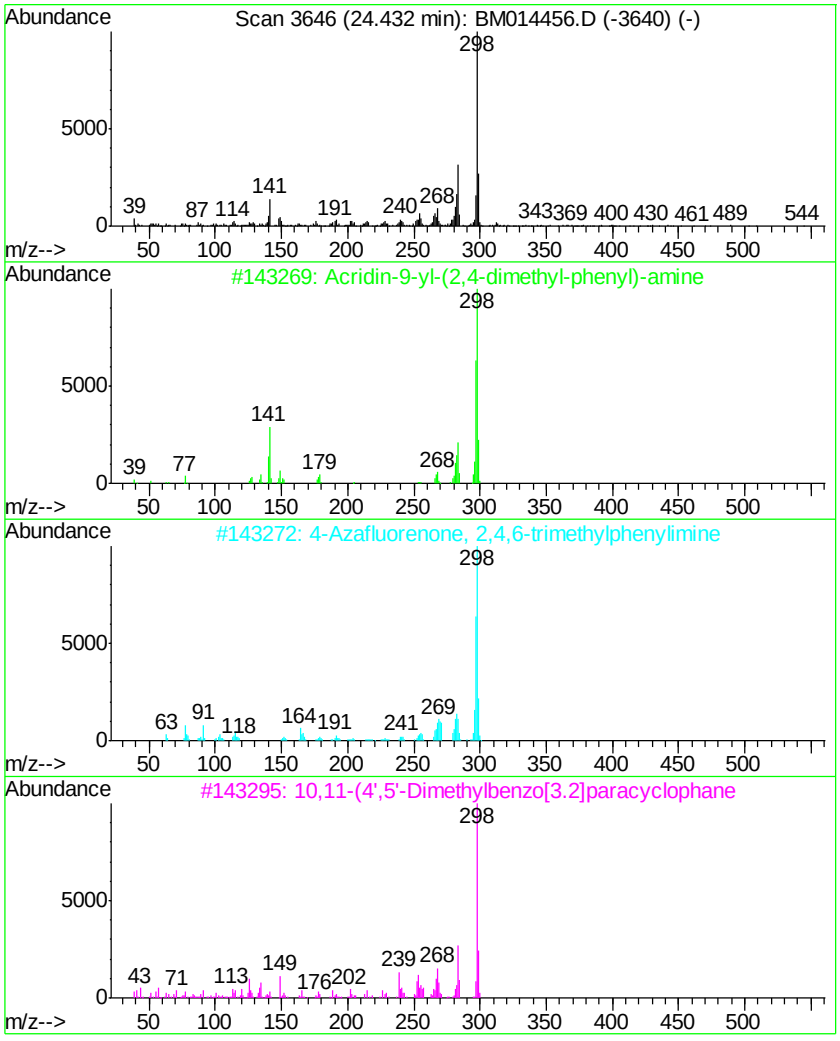
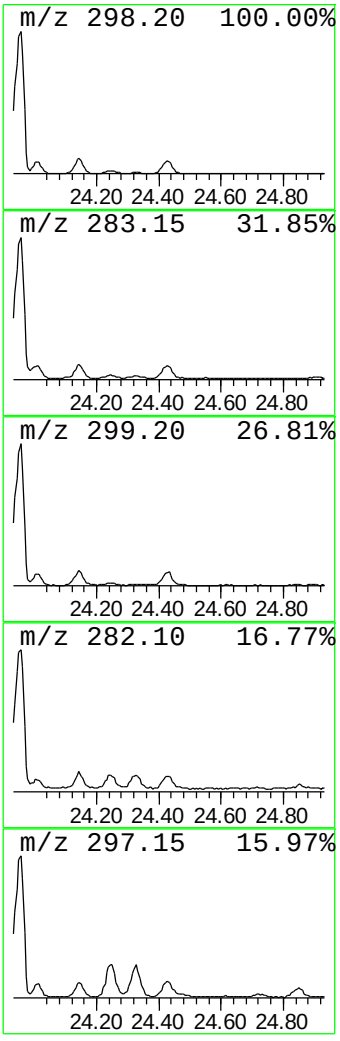
Peak Number 27 Acridin-9-yl-(2,4-dimethyl-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.43	27.34 ng/ul	1712380	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridin-9-yl-(2,4-dimethyl-phenyl...	298	C21H18N2	1000317-48-1	91
2	4-Azafluorenone, 2,4,6-trimethyl...	298	C21H18N2	1000216-54-7	74
3	10,11-(4',5'-Dimethylbenzo[3.2]p...	298	C23H22	121732-62-5	74
4	(10-Methyl-10H-acridin-9-ylidene...	298	C21H18N2	1000317-91-1	64
5	(10-Methyl-10H-acridin-9-ylidene...	298	C21H18N2	1000317-84-0	59





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Operator : SJ/JU
Sample : J1646-16RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y0RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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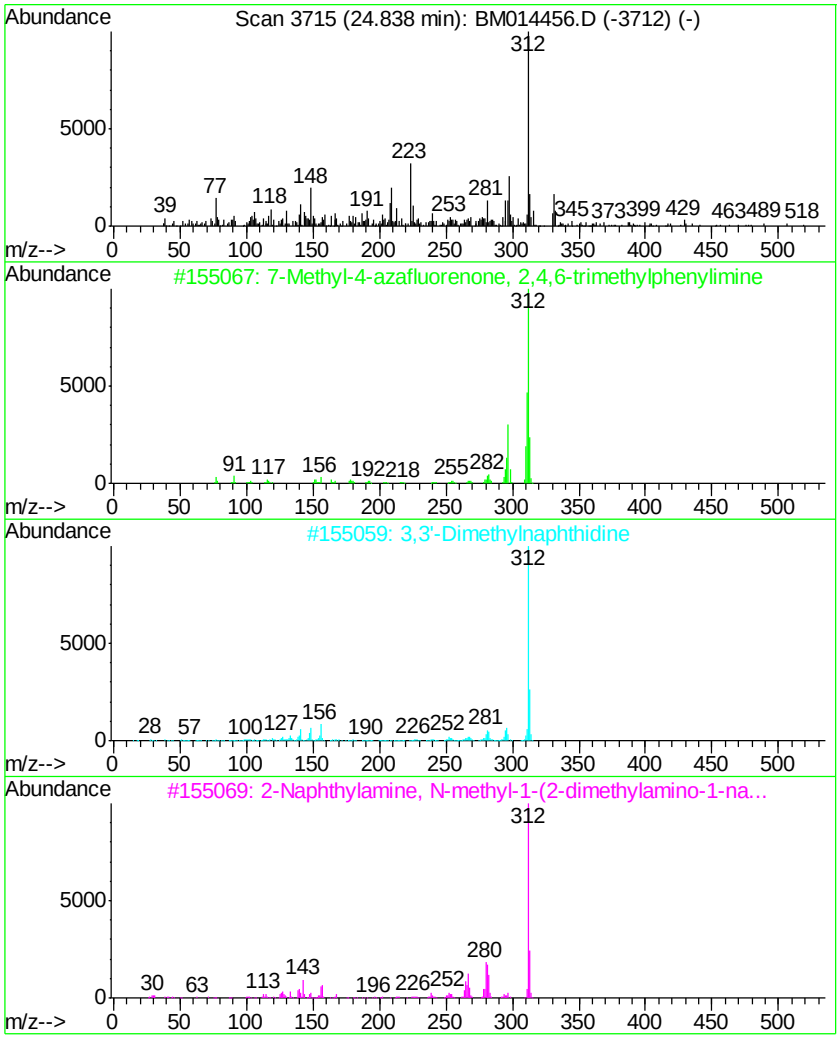
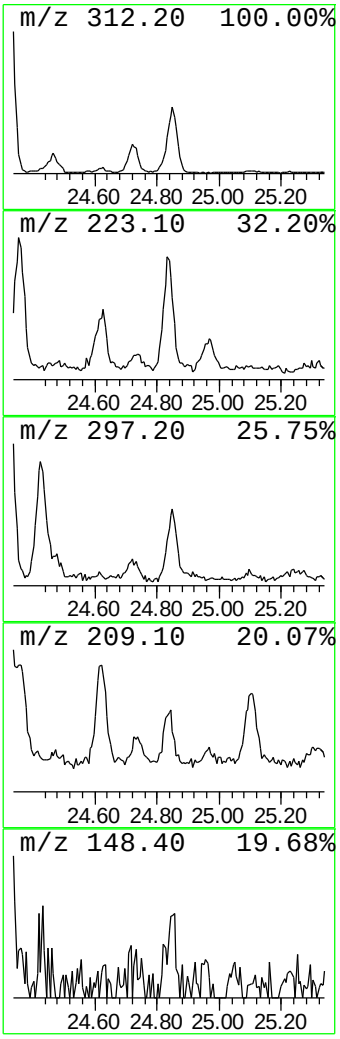
Peak Number 28 7-Methyl-4-azafluorenone, 2... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.84	16.21 ng/ul	1015350	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methyl-4-azafluorenone, 2,4,6-...	312	C22H20N2	1000216-54-8	86
2	3,3'-Dimethylnaphthidine	312	C22H20N2	013138-48-2	70
3	2-Naphthylamine, N-methyl-1-(2-d...	312	C22H20N2	1000159-17-0	60
4	4H-1-Benzopyran-4-one, 5,7-dimet...	312	C18H16O5	005631-70-9	60
5	7-Methoxy-3-(3,4-dimethoxyphenyl...	312	C18H16O5	001621-61-0	58





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Operator : SJ/JU
Sample : J1646-16RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y0RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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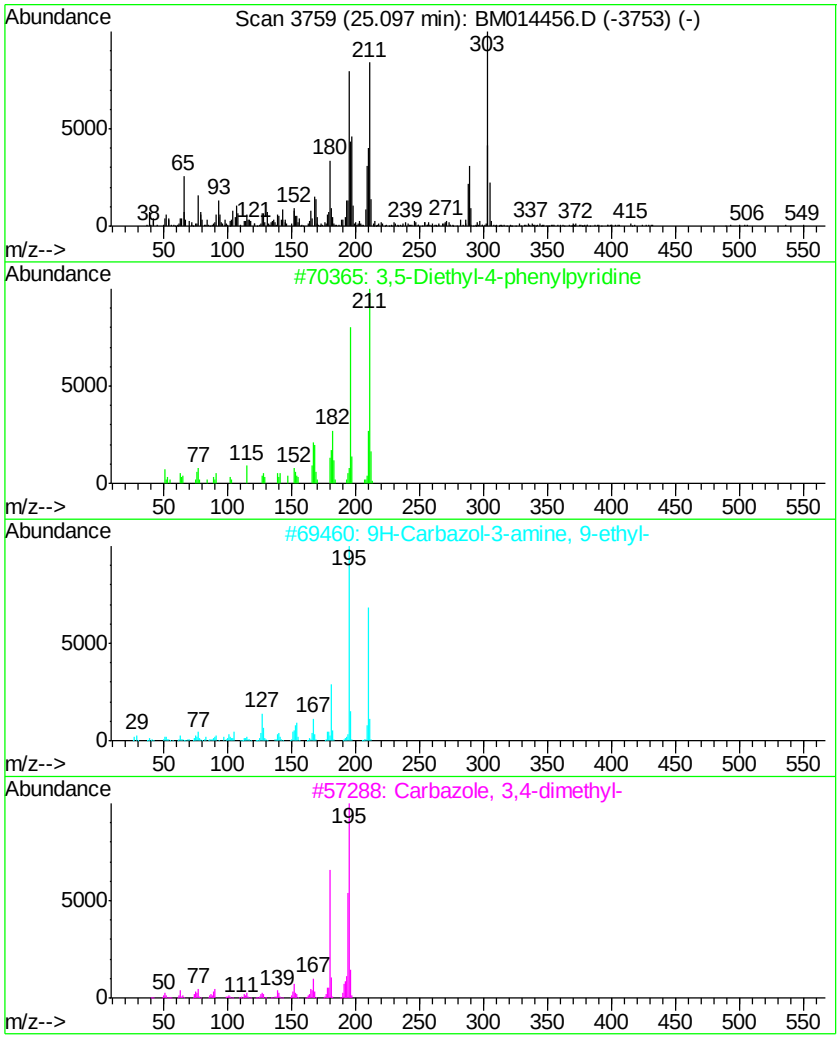
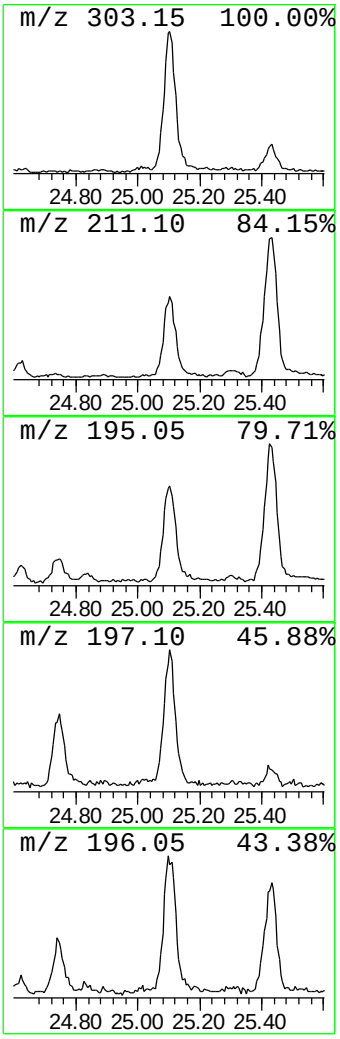
Peak Number 29 unknown-06 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.10	41.38 ng/ul	2591410	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Diethyl-4-phenylpyridine	211	C15H17N	073669-44-0	35
2	9H-Carbazol-3-amine, 9-ethyl-	210	C14H14N2	000132-32-1	20
3	Carbazole, 3,4-dimethyl-	195	C14H13N	018992-72-8	15
4	3H-Pyrrolo[3,2-H]quinoline, 2,3,...	210	C14H14N2	083958-38-7	15
5	1,10-Phenanthrolin-5-amine	195	C12H9N3	054258-41-2	15





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ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y0RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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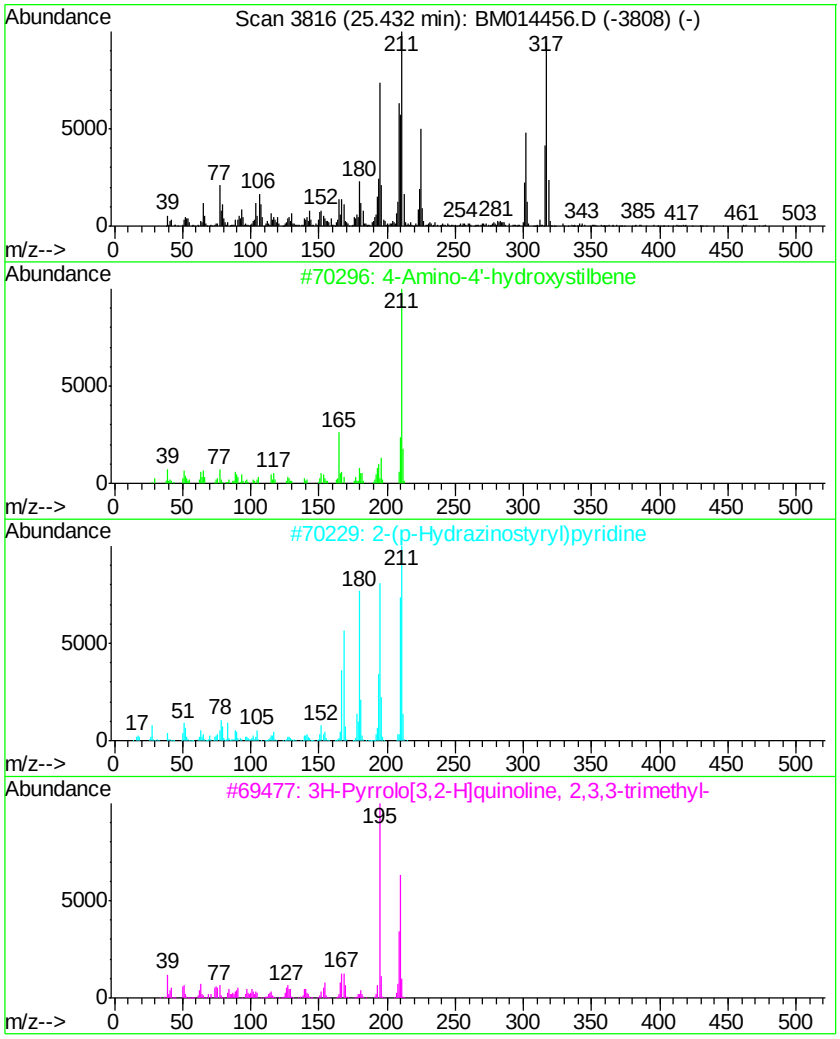
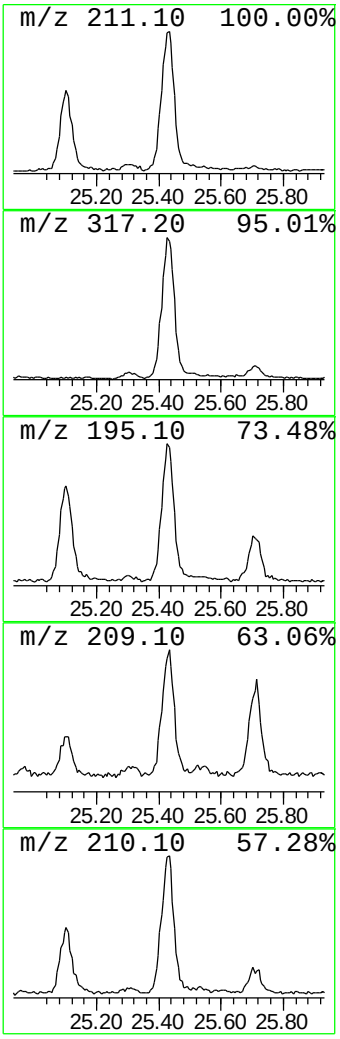
Peak Number 30 unknown-07 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.43	74.36 ng/ul	4657150	Perylene-d12	23.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Amino-4'-hydroxystilbene	211	C14H13NO	000836-44-2	25
2	2-(p-Hydrazinostyryl)pyridine	211	C13H13N3	027580-22-9	18
3	3H-Pyrrolo[3,2-H]quinoline, 2,3,...	210	C14H14N2	083958-38-7	18
4	Phenol, 2-[[(4-methylphenyl)imin...	211	C14H13NO	000782-76-3	15
5	2-Aminobenzophenone hydrazone	211	C13H13N3	039093-44-2	14





Tentatively Identified Compound (LSC) summary

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Operator : SJ/JU
Sample : J1646-16RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Y0RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzenamine, 3-me...	8.41	18.7	ng/ul	740322	1	7.51	793092	20.0
Anthracene, 9-met...	17.82	3.7	ng/ul	372721	4	16.94	1993560	20.0
1H-Cyclopropa[l]p...	17.86	7.5	ng/ul	743817	4	16.94	1993560	20.0
4H-Cyclopenta[def...	18.01	6.4	ng/ul	634958	4	16.94	1993560	20.0
9,10-Dimethylanth...	18.74	2.9	ng/ul	289903	4	16.94	1993560	20.0
Dibenzothiophene,...	18.84	7.0	ng/ul	695728	4	16.94	1993560	20.0
unknown-01	18.89	4.7	ng/ul	463286	4	16.94	1993560	20.0
Benzenamine, 4,4'...	19.24	2.1	ng/ul	359591	5	21.16	3452360	20.0
Tetrachloro-o-ben...	19.46	2.5	ng/ul	428474	5	21.16	3452360	20.0
unknown-02	19.72	8.8	ng/ul	1523760	5	21.16	3452360	20.0
Benzenamine, 4,4'...	19.80	2.0	ng/ul	352584	5	21.16	3452360	20.0
(DEL) Alkane: Cyc...	20.86	5.9	ng/ul	1017590	5	21.16	3452360	20.0
4-Pyrenecarbaldehyde	20.94	2.6	ng/ul	446460	5	21.16	3452360	20.0
unknown-03	21.31	2.6	ng/ul	444546	5	21.16	3452360	20.0
4,4'-Diaminobenzo...	21.50	10.8	ng/ul	1867090	5	21.16	3452360	20.0
unknown-04	21.93	25.7	ng/ul	4430840	5	21.16	3452360	20.0
3,3'-Diamino-4,4'...	22.34	44.5	ng/ul	2788880	6	23.34	1252520	20.0
Acridine, 9-(p-to...	23.44	78.8	ng/ul	4934290	6	23.34	1252520	20.0
4-(9-Acridinyl)-2...	23.56	454.2	ng/ul	28443800	6	23.34	1252520	20.0
unknown-05	24.10	9.0	ng/ul	562159	6	23.34	1252520	20.0
i-Propyl nonadeca...	24.14	28.8	ng/ul	1800230	6	23.34	1252520	20.0
Cyclopenta[d]antr...	24.24	35.7	ng/ul	2237270	6	23.34	1252520	20.0
Acridin-9-yl-(2,4...	24.43	27.3	ng/ul	1712380	6	23.34	1252520	20.0
7-Methyl-4-azaflu...	24.84	16.2	ng/ul	1015350	6	23.34	1252520	20.0
unknown-06	25.10	41.4	ng/ul	2591410	6	23.34	1252520	20.0
unknown-07	25.43	74.4	ng/ul	4657150	6	23.34	1252520	20.0