LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013329.D
Acq On : 12 Dec 2017 06:06
Operator : SJ/JU
Sample : I6758-12 30X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B13

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-BM113017.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.705	440	445	453	rVB	97919	160926	1.05%	0.125%
2	7.346	719	724	734	rBV2	104314	182893	1.20%	0.143%
3	7.687	775	782	791	rBV	1026526	1575154	10.30%	1.228%
4	8.222	864	873	886	rBV2	202392	386323	2.53%	0.301%
5	10.469	1245	1255	1260	rBV	1346569	2277735	14.90%	1.775%
6	11.981	1505	1512	1519	rBV	88073	181732	1.19%	0.142%
7	13.780	1814	1818	1822	rVB2	140469	203449	1.33%	0.159%
8	14.051	1855	1864	1874	rVB	1275076	2083129	13.63%	1.624%
9	14.327	1905	1911	1919	rBV2	1822171	2967495	19.41%	2.313%
10	14.392	1919	1922	1927	rVB	131478	188926	1.24%	0.147%
11	14.874	2000	2004	2009	rVB6	95934	160955	1.05%	0.125%
12	14.957	2009	2018	2026	rBV3	99854	317162	2.07%	0.247%
13	15.327	2076	2081	2085	rVB2	134816	194544	1.27%	0.152%
14	15.380	2086	2090	2097	rVV	130090	242056	1.58%	0.189%
15	15.598	2121	2127	2137	rVB4	177391	351729	2.30%	0.274%
16	16.057	2198	2205	2215	rBV4	649384	1721546	11.26%	1.342%
17	16.651	2300	2306	2311	rBV3	133830	323465	2.12%	0.252%
18	16.733	2316	2320	2326	rVV2	453133	659118	4.31%	0.514%
19	16.845	2336	2339	2343	rVV2	180040	216653	1.42%	0.169%
20	16.898	2345	2348	2357	rVB4	277961	416023	2.72%	0.324%
21	17.080	2373	2379	2383	rBV2	2300527	3436079	22.48%	2.678%
22	17.121	2383	2386	2389	rVB	454037	571977	3.74%	0.446%
23	17.210	2396	2401	2407	rVB	2005519	2787133	18.23%	2.173%
24	17.268	2408	2411	2417	rVB	251831	357525	2.34%	0.279%
25	17.480	2444	2447	2454	rVB	288923	407493	2.67%	0.318%
26	17.586	2461	2465	2474	rVB4	256700	378989	2.48%	0.295%
27	17.751	2489	2493	2505	rVB	534251	941860	6.16%	0.734%
28	18.080	2545	2549	2554	rBV	442658	626877	4.10%	0.489%
29	18.151	2557	2561	2570	rVB2	410466	804899	5.26%	0.627%
30	18.280	2580	2583	2587	rVB2	281873	350209	2.29%	0.273%
31	18.345	2591	2594	2598	rBV	323109	422059	2.76%	0.329%
32	18.498	2617	2620	2624	rBV	387094	509595	3.33%	0.397%
33	19.021	2704	2709	2715	rBV	1683970	2296236	15.02%	1.790%
34	19.145	2725	2730	2736	rVB	3461309	4581443	29.97%	3.571%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013329.D
Acq On : 12 Dec 2017 06:06
Operator : SJ/JU
Sample : I6758-12 30X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B13

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-BM113017.M
Title : SVOA CALIBRATION

35	19.239	2743	2746	2750	rVB	432049	493081	3.23%	0.384%
36	19.292	2751	2755	2759	rVB2	406873	567542	3.71%	0.442%
37	19.368	2765	2768	2774	rVB2	314898	443985	2.90%	0.346%
38	19.474	2782	2786	2787	rBV2	513762	643426	4.21%	0.502%
39	19.504	2787	2791	2800	rVB	2930068	4298211	28.12%	3.350%
40	19.751	2828	2833	2838	rVB	2678184	3535339	23.13%	2.756%
41	19.833	2843	2847	2854	rVB4	694797	1507782	9.86%	1.175%
42	20.104	2890	2893	2896	rVB	450559	501361	3.28%	0.391%
43	20.157	2897	2902	2907	rVV3	630791	1198867	7.84%	0.935%
44	20.304	2923	2927	2931	rBV2	778708	1466296	9.59%	1.143%
45	20.515	2959	2963	2967	rBV2	1054919	1501727	9.82%	1.171%
46	20.633	2980	2983	2986	rVB	702869	770168	5.04%	0.600%
47	20.751	3000	3003	3009	rBV3	904104	1533808	10.03%	1.196%
48	20.921	3029	3032	3035	rVB	746382	905087	5.92%	0.706%
49	20.956	3035	3038	3041	rVV2	532752	670358	4.38%	0.523%
50	20.992	3041	3044	3050	rVB2	1779763	2340310	15.31%	1.824%
51	21.268	3081	3091	3096	rBV4	3969306	11670344	76.34%	9.097%
52	21.309	3096	3098	3108	rVB	3670854	4517638	29.55%	3.521%
53	21.427	3115	3118	3124	rVB	1254808	1756398	11.49%	1.369%
54	21.574	3140	3143	3149	rVB	1217154	1664817	10.89%	1.298%
55	21.633	3150	3153	3156	rVV3	569416	637810	4.17%	0.497%
56	21.939	3201	3205	3209	rBV2	1086305	1404008	9.18%	1.094%
57	22.015	3215	3218	3221	rBV	477797	544825	3.56%	0.425%
58	22.592	3310	3316	3325	rVB5	731048	2069306	13.54%	1.613%
59	22.845	3352	3359	3364	rBV	6477535	15287786	100.00%	11.917%
60	23.009	3382	3387	3392	rVB	1216606	1970818	12.89%	1.536%
61	23.145	3406	3410	3418	rBV3	365894	924195	6.05%	0.720%
62	23.321	3434	3440	3448	rVB	3259945	6141994	40.18%	4.788%
63	23.415	3449	3456	3461	rBV	3749355	6651789	43.51%	5.185%
64	23.503	3467	3471	3475	rBV	837952	1389500	9.09%	1.083%
65	23.550	3475	3479	3490	rVB2	1498283	3216383	21.04%	2.507%
66	25.756	3844	3854	3867	rVB2	2368805	9356766	61.20%	7.294%
67	26.433	3961	3969	3978	rBV	1210257	3422888	22.39%	2.668%

Sum of corrected areas: 128288000

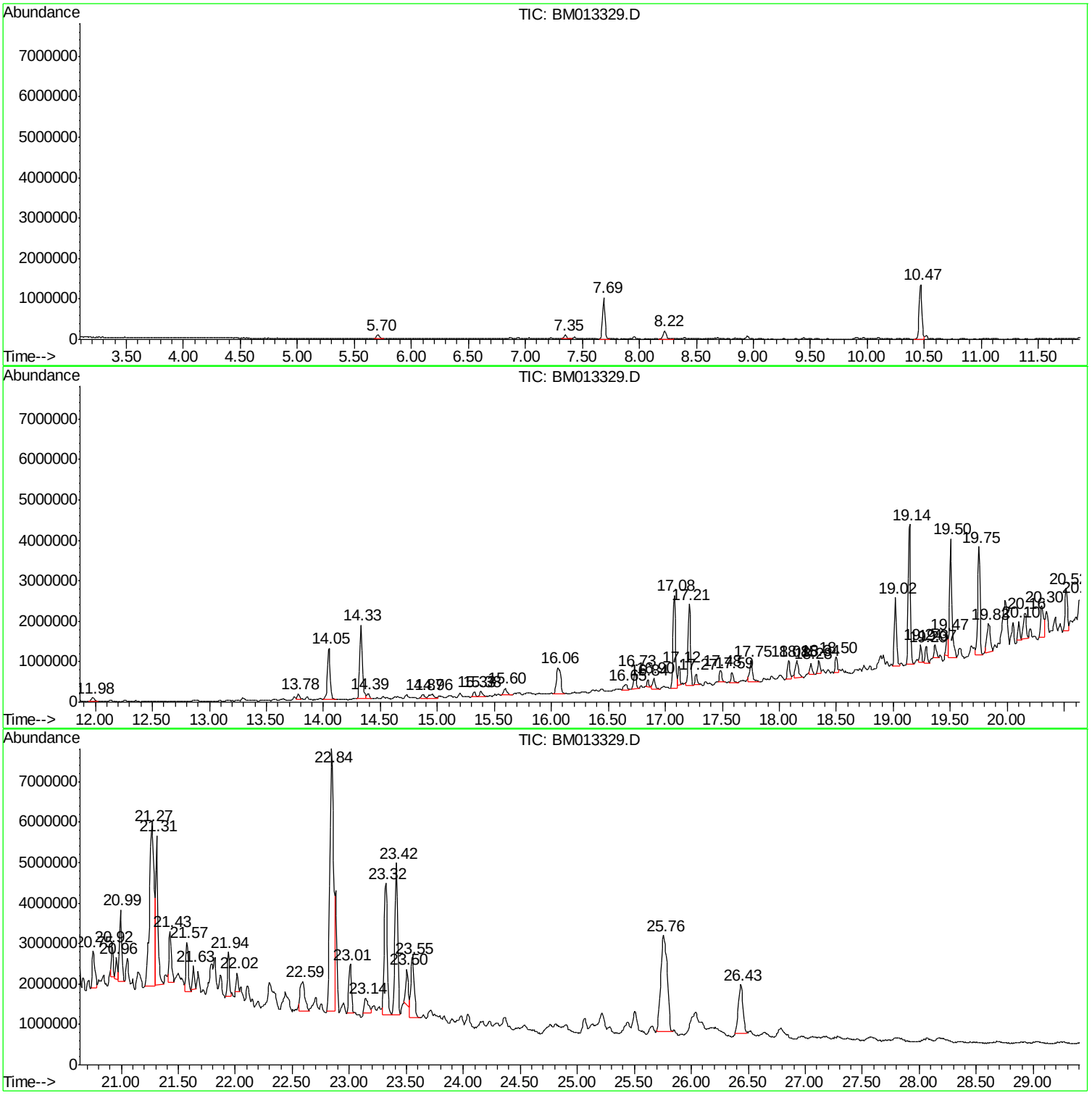
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013329.D
Acq On : 12 Dec 2017 06:06
Operator : SJ/JU
Sample : I6758-12 30X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B13

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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



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Data File : BM013329.D
Acq On : 12 Dec 2017 06:06
Operator : SJ/JU
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Quant Title : SVOA CALIBRATION

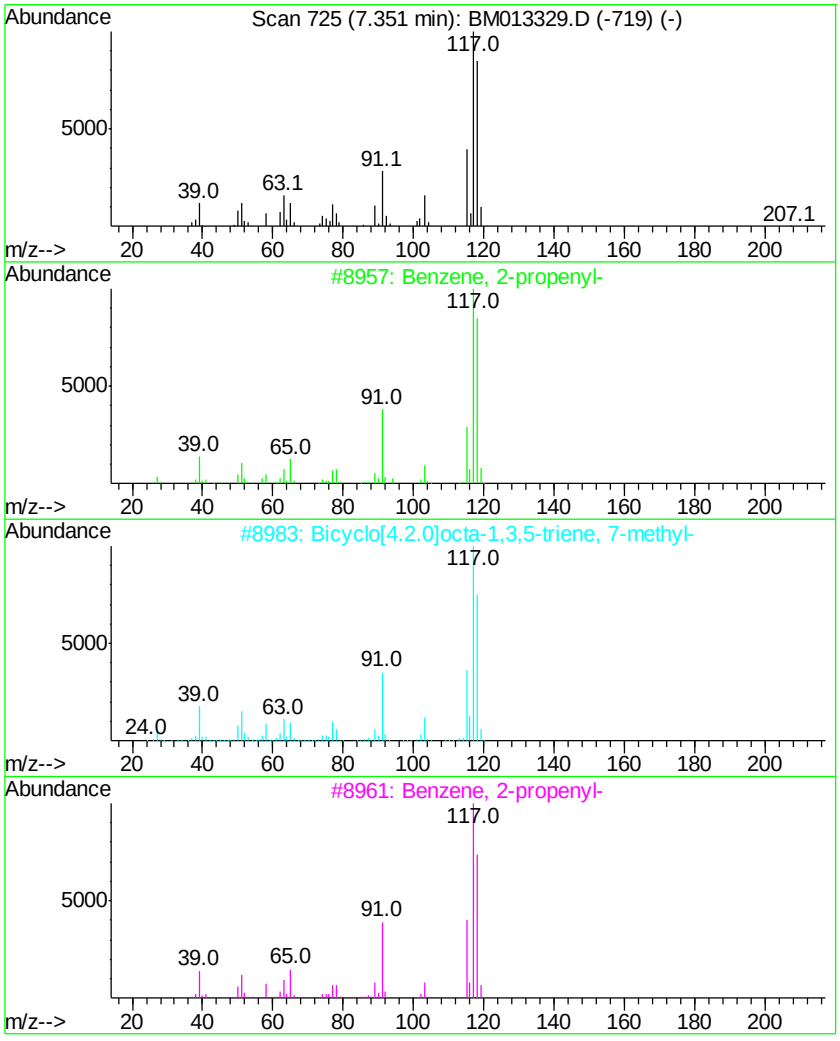
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

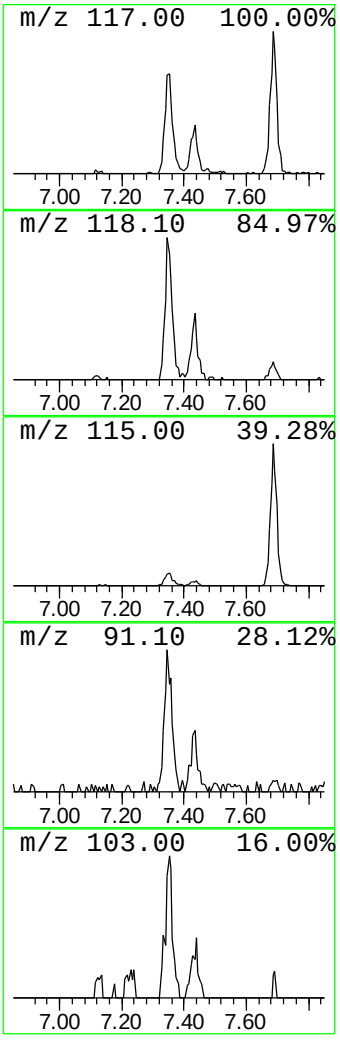
****

Peak Number 2 Benzene, 2-propenyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.35	2.32 ng/ul	182893	1,4-Dichlorobenzene-d4	7.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	90
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	90
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	90
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	90
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	89





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Data File : BM013329.D
Acq On : 12 Dec 2017 06:06
Operator : SJ/JU
Sample : I6758-12 30X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B13

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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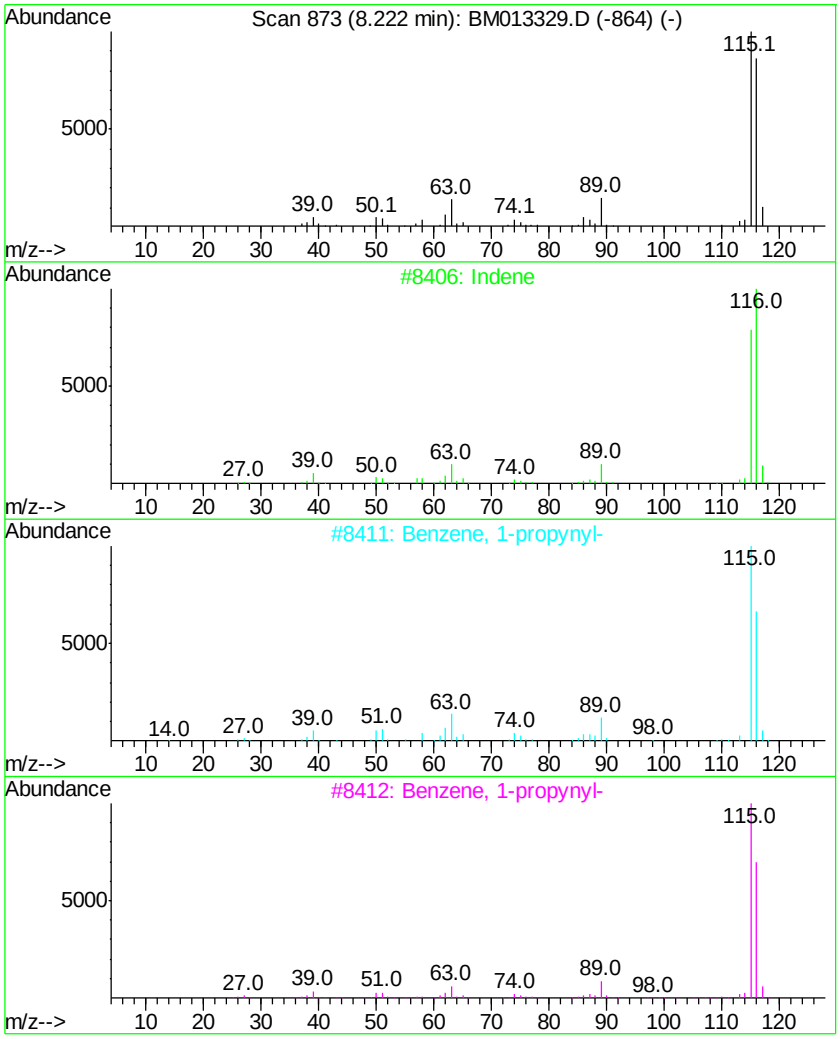
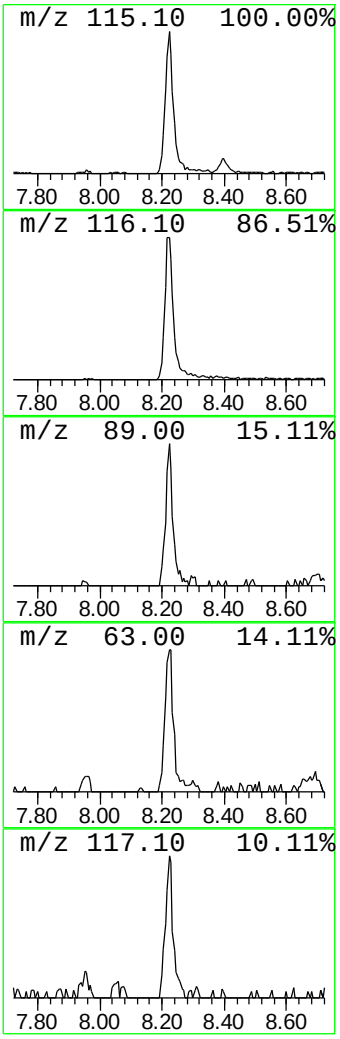
Peak Number 3 Indene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	4.91 ng/ul	386323	1,4-Dichlorobenzene-d4	7.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	2-Methylphenylacetylene	116	C9H8	000766-47-2	91





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Sample : I6758-12 30X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B13

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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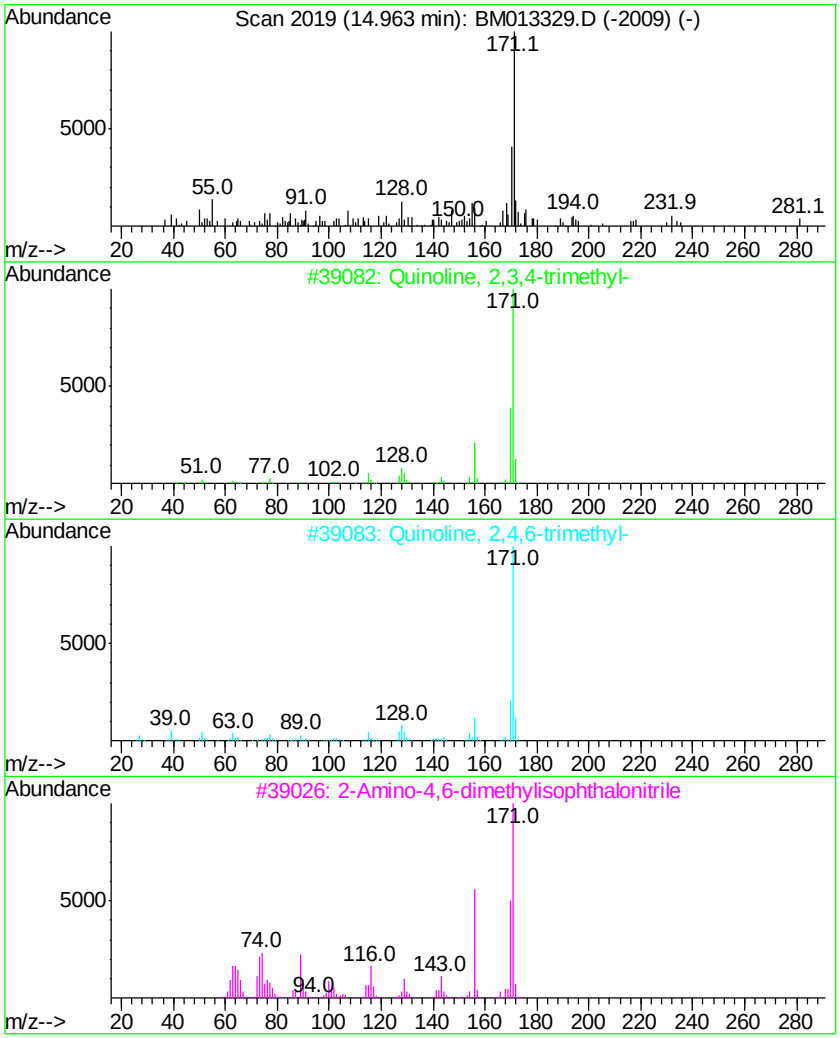
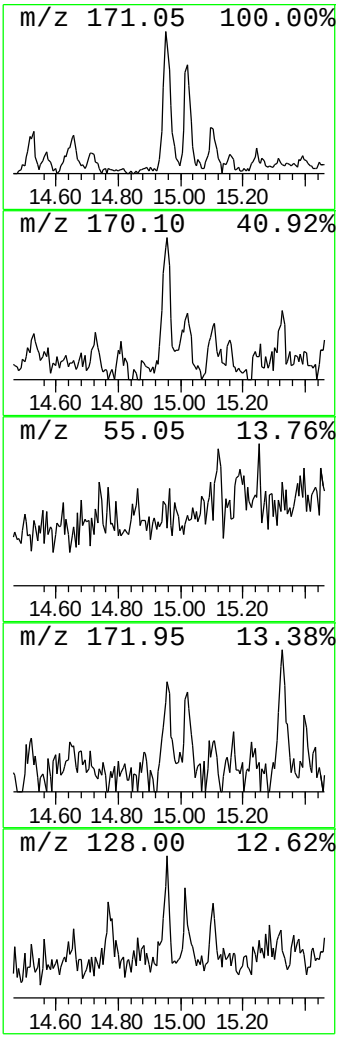
Peak Number 4 Quinoline, 2,3,4-trimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	2.14 ng/ul	317162	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2,3,4-trimethyl-	171	C12H13N	002437-72-1	72
2	Quinoline, 2,4,6-trimethyl-	171	C12H13N	002243-89-2	58
3	2-Amino-4,6-dimethylisophthaloni...	171	C10H9N3	010272-10-3	53
4	4-Pyridinol, 2-phenyl-	171	C11H9NO	1000253-54-5	52
5	Bis(4-pyridyl)amine	171	C10H9N3	001915-42-0	50





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121117\
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Sample : I6758-12 30X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B13

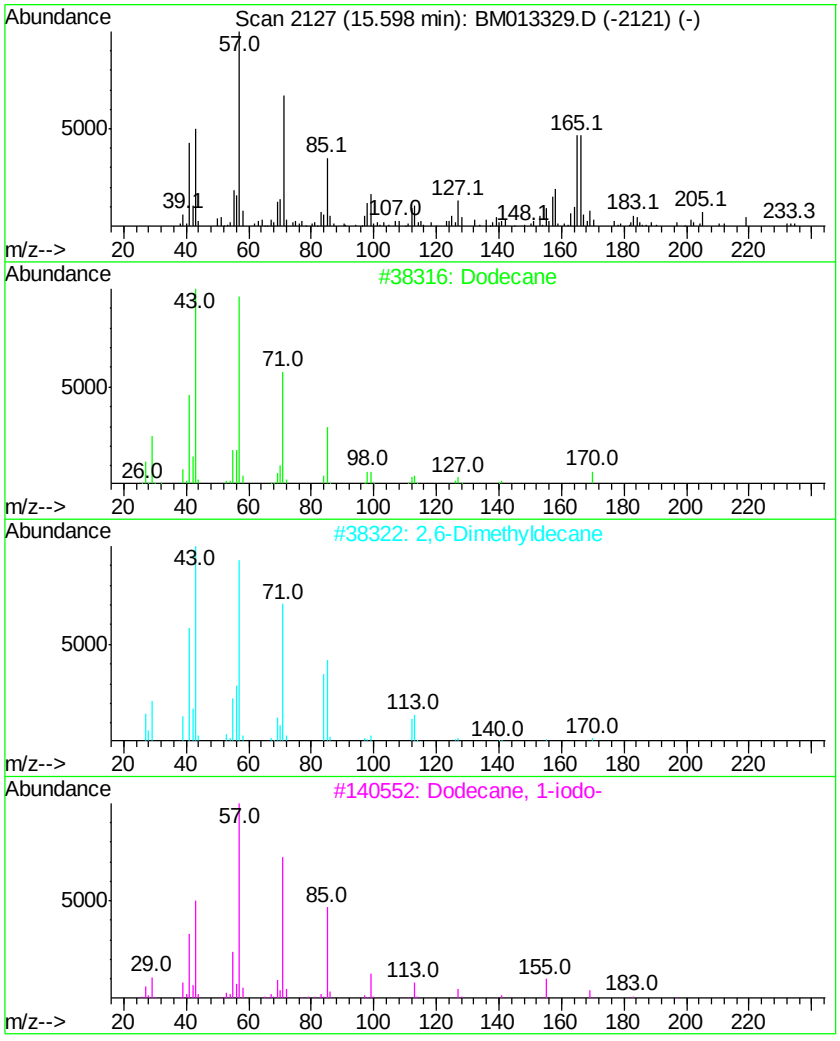
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

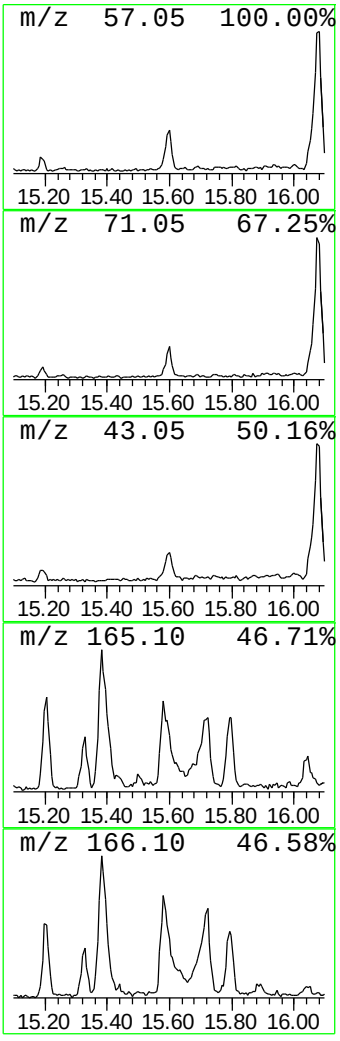
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	2.37 ng/ul	351729	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	72
2	2,6-Dimethyldecane	170	C12H26	013150-81-7	30
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	25
4	Tetradecane, 5-methyl-	212	C15H32	025117-32-2	25
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	25





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013329.D
Acq On : 12 Dec 2017 06:06
Operator : SJ/JU
Sample : I6758-12 30X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B13

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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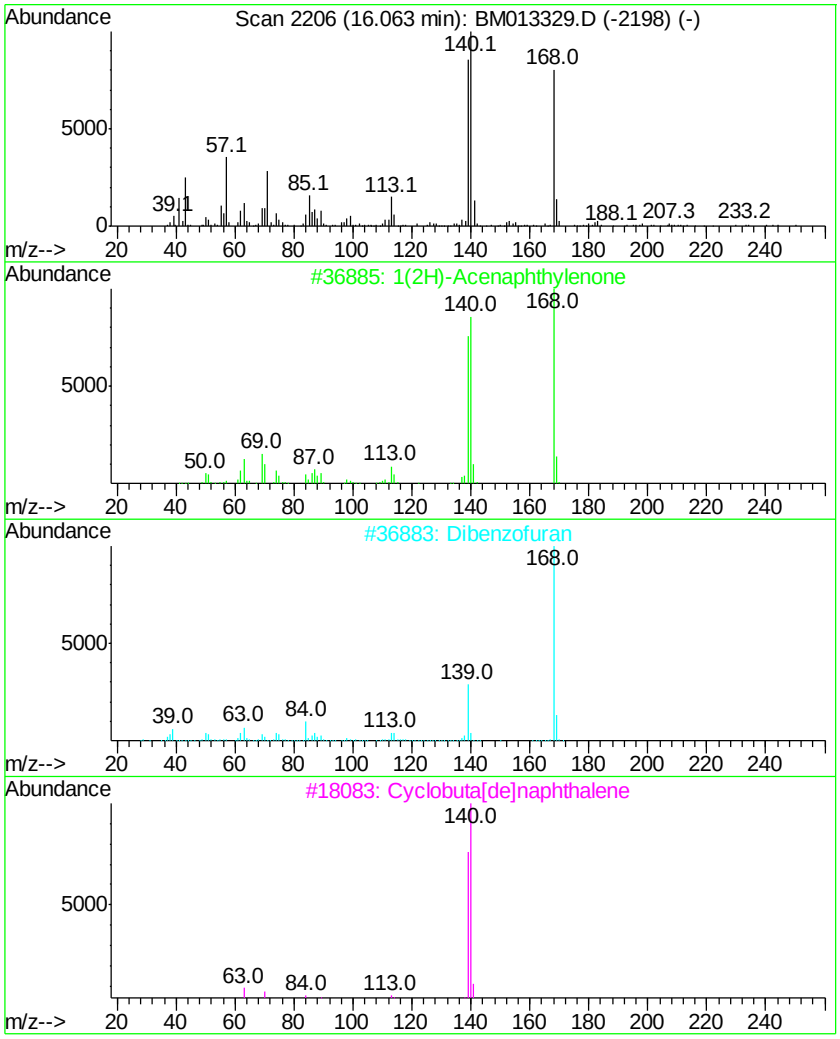
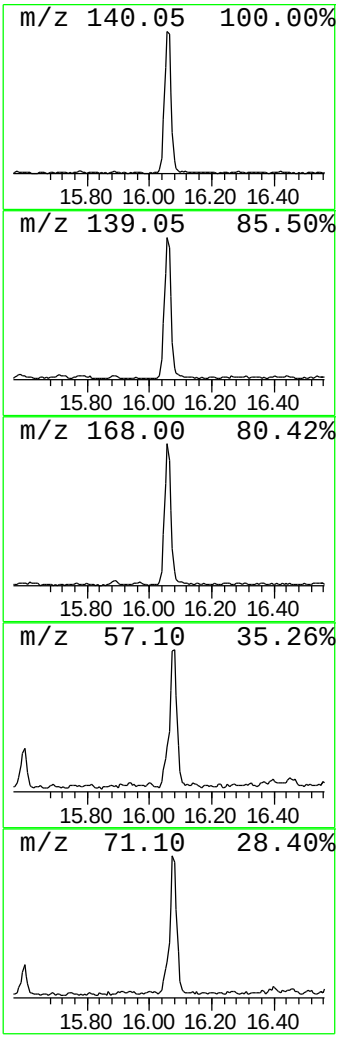
Peak Number 6 1(2H)-Acenaphthylenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	10.02 ng/ul	1721550	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	96
2	Dibenzofuran	168	C12H8O	000132-64-9	58
3	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	49
4	Benzaldehyde, 2-fluoro-3-hydroxy-	140	C7H5FO2	103438-86-4	43
5	Benzaldehyde, 2-fluoro-4-hydroxy-	140	C7H5FO2	000348-27-6	43





Library Search Compound Report

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Sample : I6758-12 30X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B13

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

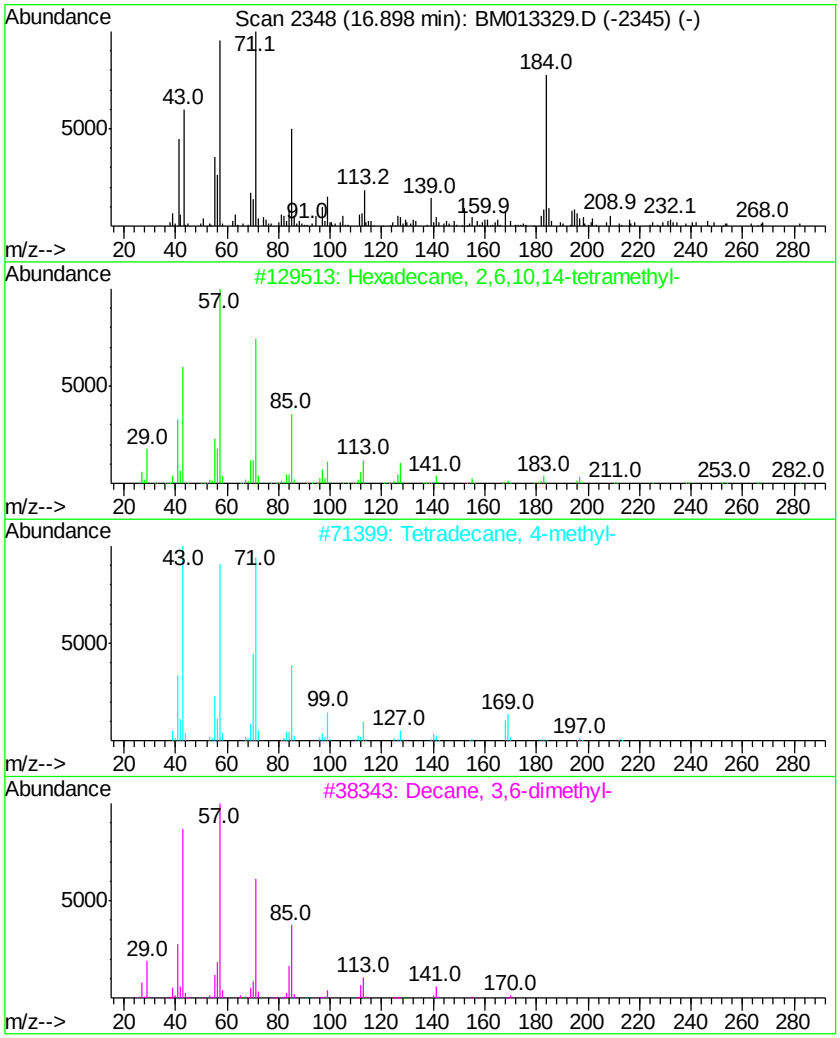
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

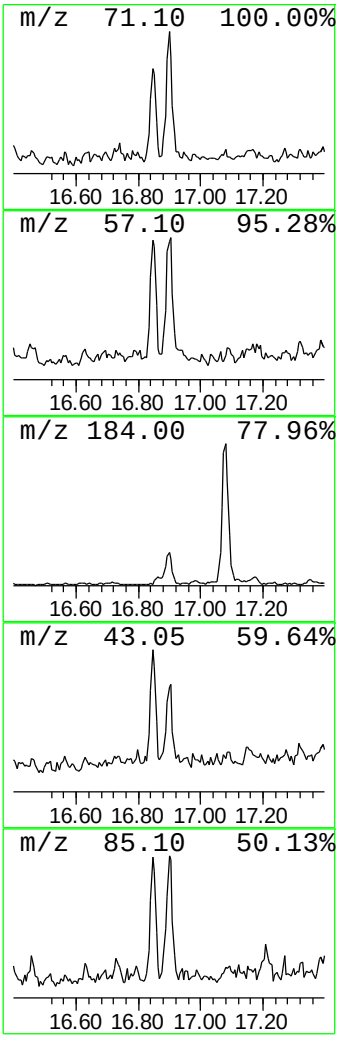
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	2.42 ng/ul	416023	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	38
2	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	38
3	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	38
4	Glutaric acid, decyl tetrahydrof...	356	C20H36O5	1000359-66-6	35
5	Tetradecane	198	C14H30	000629-59-4	35





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013329.D
Acq On : 12 Dec 2017 06:06
Operator : SJ/JU
Sample : I6758-12 30X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B13

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

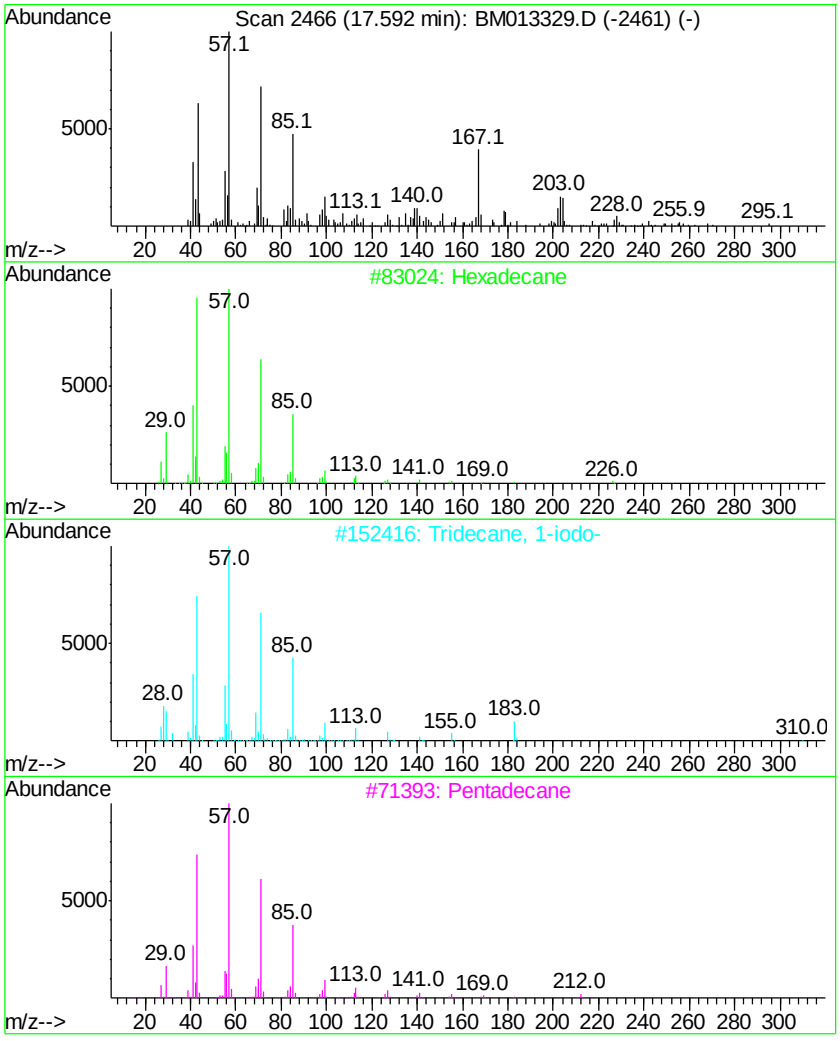
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

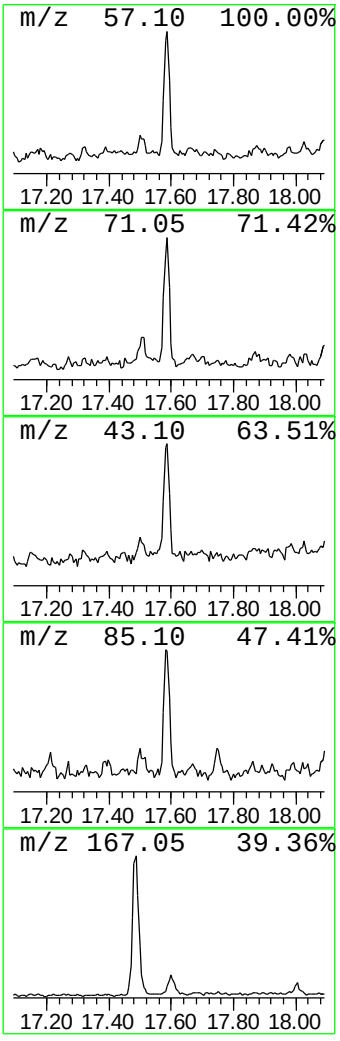
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.59	2.21 ng/ul	378989	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	83
3	Pentadecane	212	C15H32	000629-62-9	83
4	Heptadecane	240	C17H36	000629-78-7	80
5	Hentriacontane	437	C31H64	000630-04-6	80





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ClientSampleId : F9B13

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Quant Title : SVOA CALIBRATION

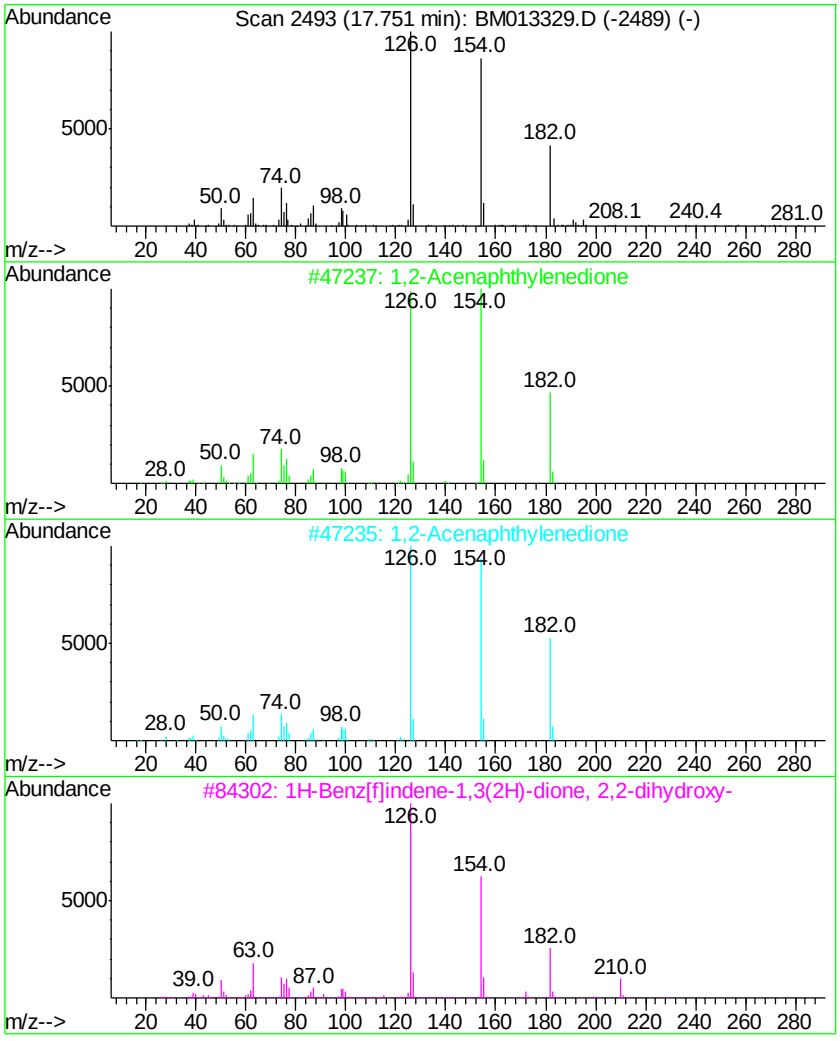
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

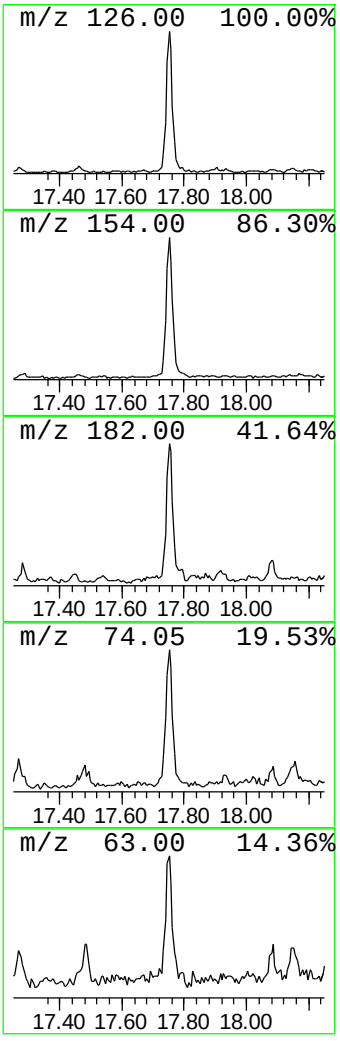
****

Peak Number 10 1,2-Acenaphthylenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.75	5.48 ng/ul	941860	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Acenaphthylenedione	182	C12H6O2	000082-86-0	97
2	1,2-Acenaphthylenedione	182	C12H6O2	000082-86-0	96
3	1H-Benz[f]indene-1,3(2H)-dione, ...	228	C13H8O4	038627-57-5	86
4	1H-Benz[f]indene-1,2,3-trione	210	C13H6O3	020927-01-9	72
5	1,2-Acenaphthylenedione	182	C12H6O2	000082-86-0	58





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Quant Title : SVOA CALIBRATION

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

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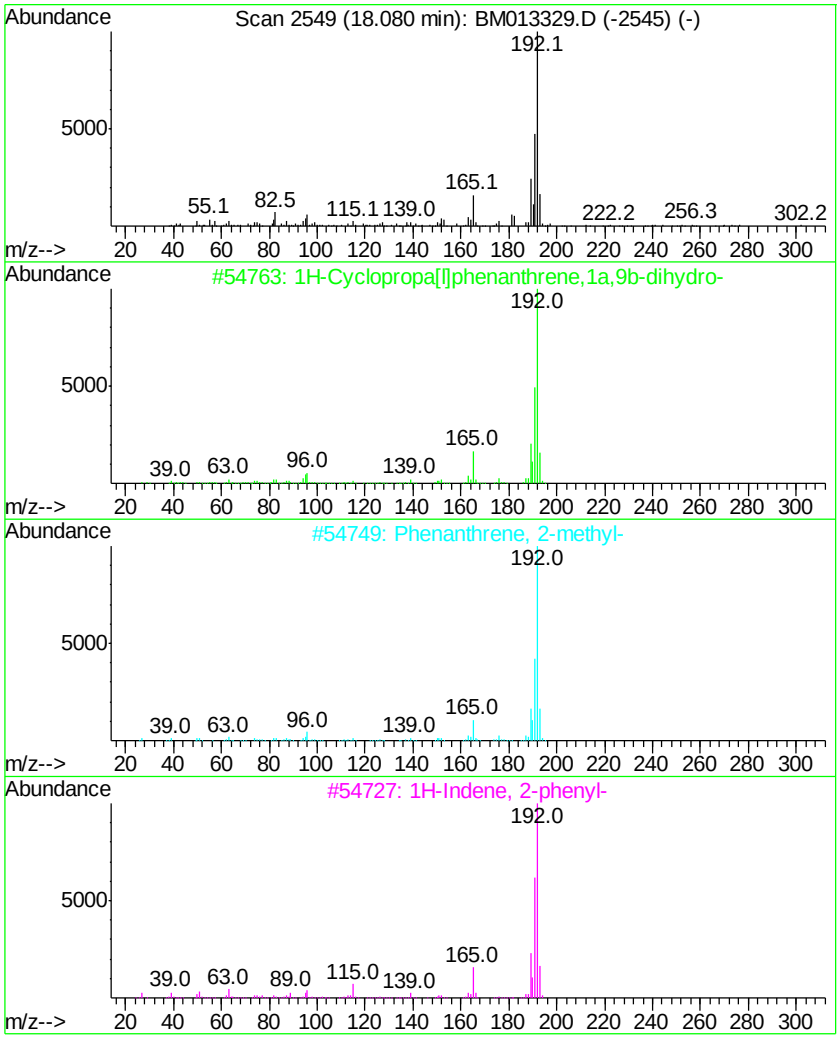
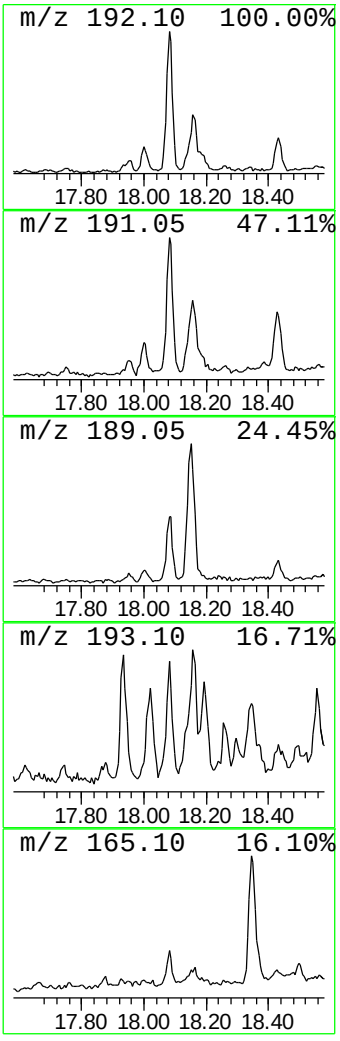
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	3.65 ng/ul	626877	Phenanthrene-d10	17.08

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	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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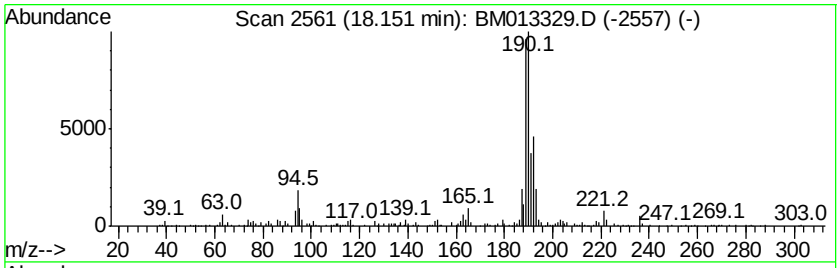
Quant Title : SVOA CALIBRATION

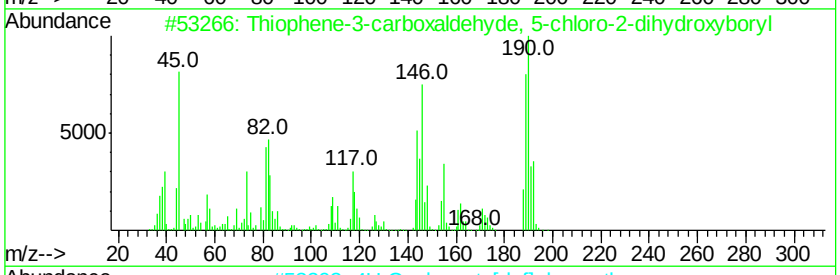
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

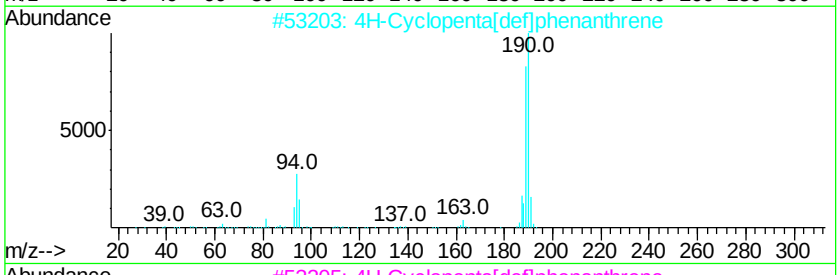
****
Peak Number 12 Thiophene-3-carboxaldehyde,... Concentration Rank 10

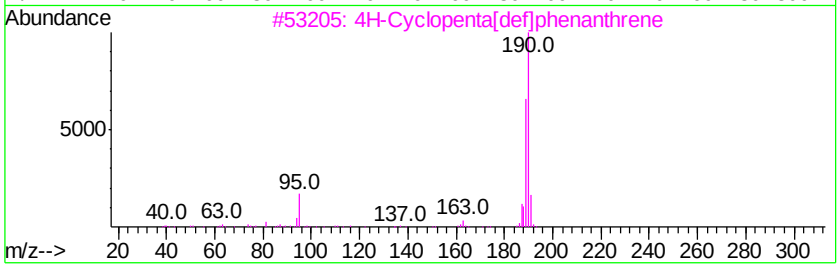
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	4.68 ng/ul	804899	Phenanthrene-d10	17.08

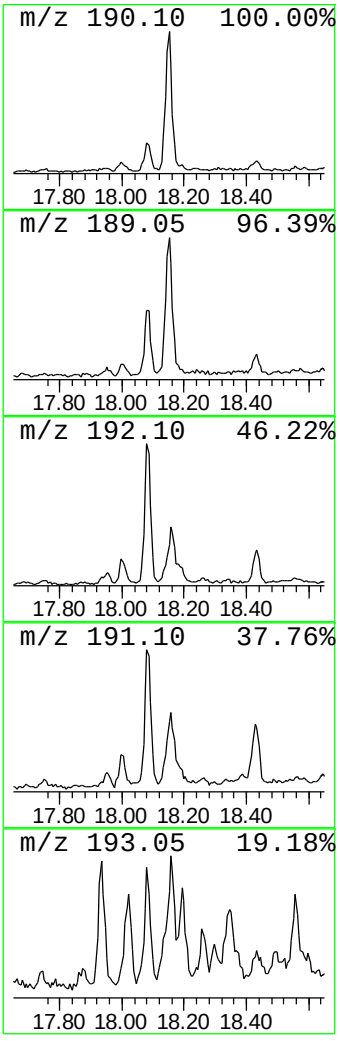
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50











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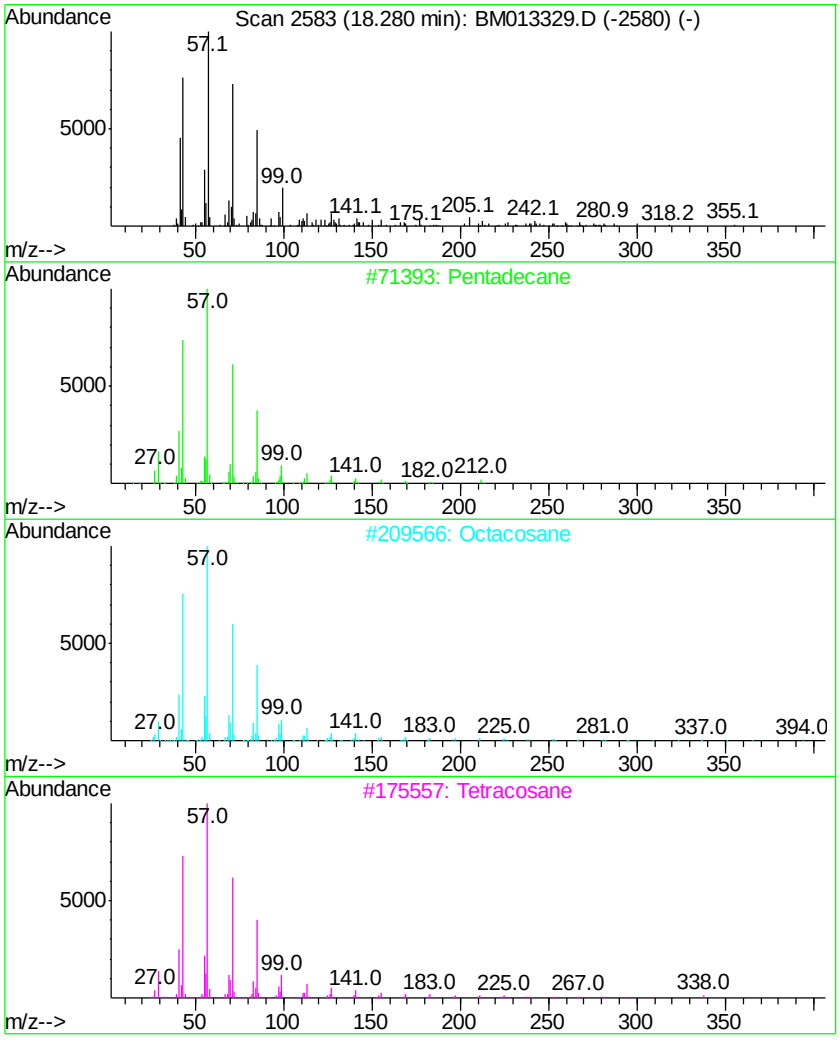
Quant Title : SVOA CALIBRATION

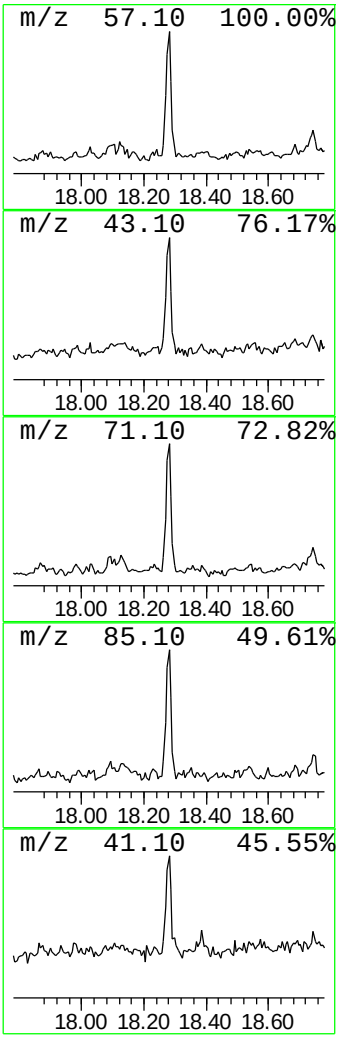
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	2.04 ng/ul	350209	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	96
2	Octacosane	394	C28H58	000630-02-4	74
3	Tetracosane	338	C24H50	000646-31-1	74
4	Heneicosane	296	C21H44	000629-94-7	74
5	Nonadecane	268	C19H40	000629-92-5	72





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Instrument : BNA_M
ClientSampleId : F9B13

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Quant Title : SVOA CALIBRATION

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

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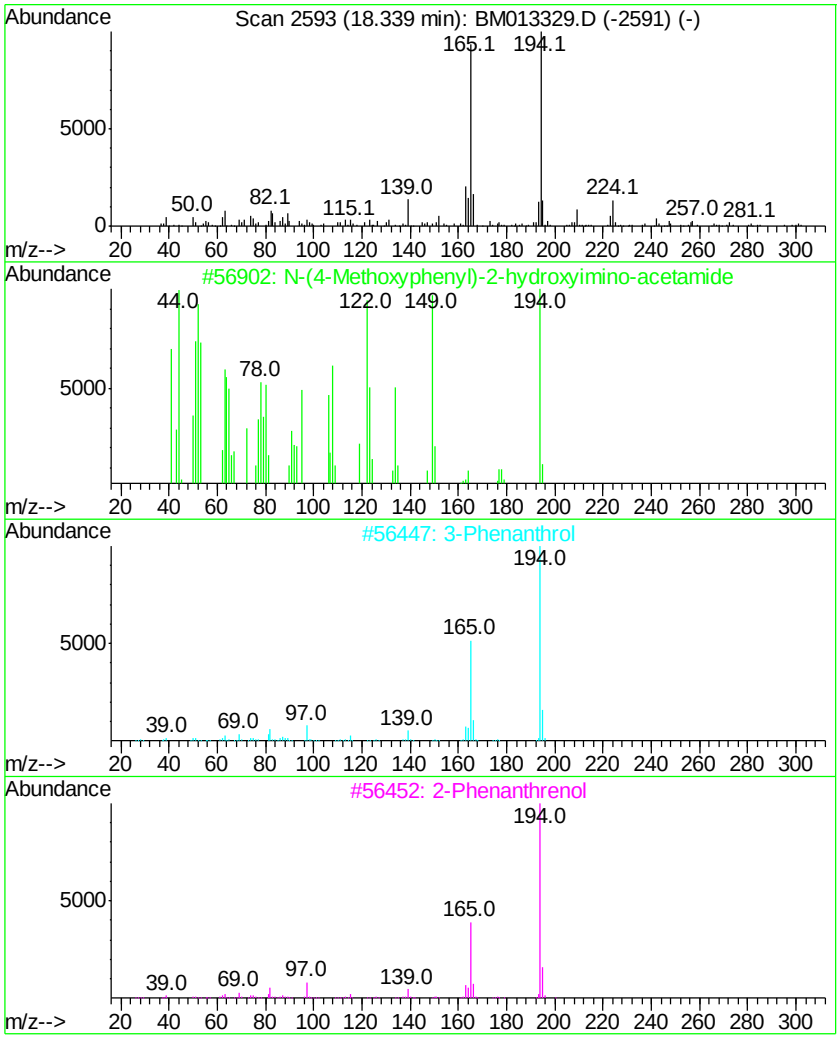
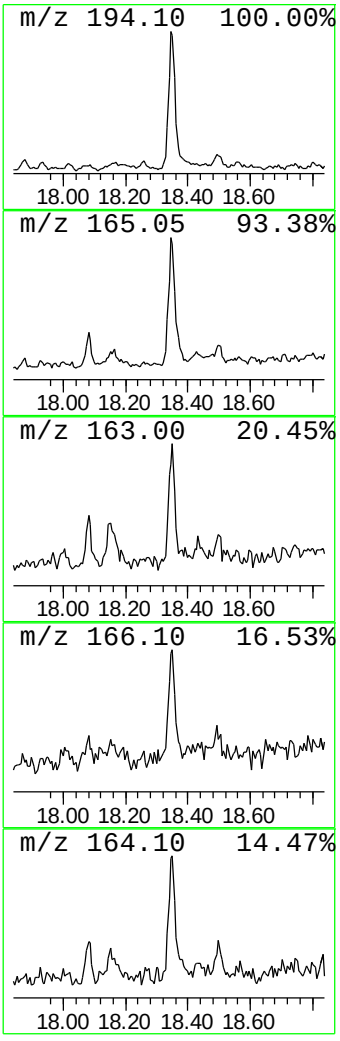
Peak Number 14 N-(4-Methoxyphenyl)-2-hydro... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	2.46 ng/ul	422059	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-(4-Methoxyphenyl)-2-hydroxyimi...	194	C9H10N2O3	1000143-61-3	92
2	3-Phenanthrol	194	C14H10O	000605-87-8	90
3	2-Phenanthrenol	194	C14H10O	000605-55-0	90
4	Anthrone	194	C14H10O	000090-44-8	90
5	Anthrone	194	C14H10O	000090-44-8	86





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Instrument : BNA_M
ClientSampleId : F9B13

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Quant Title : SVOA CALIBRATION

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

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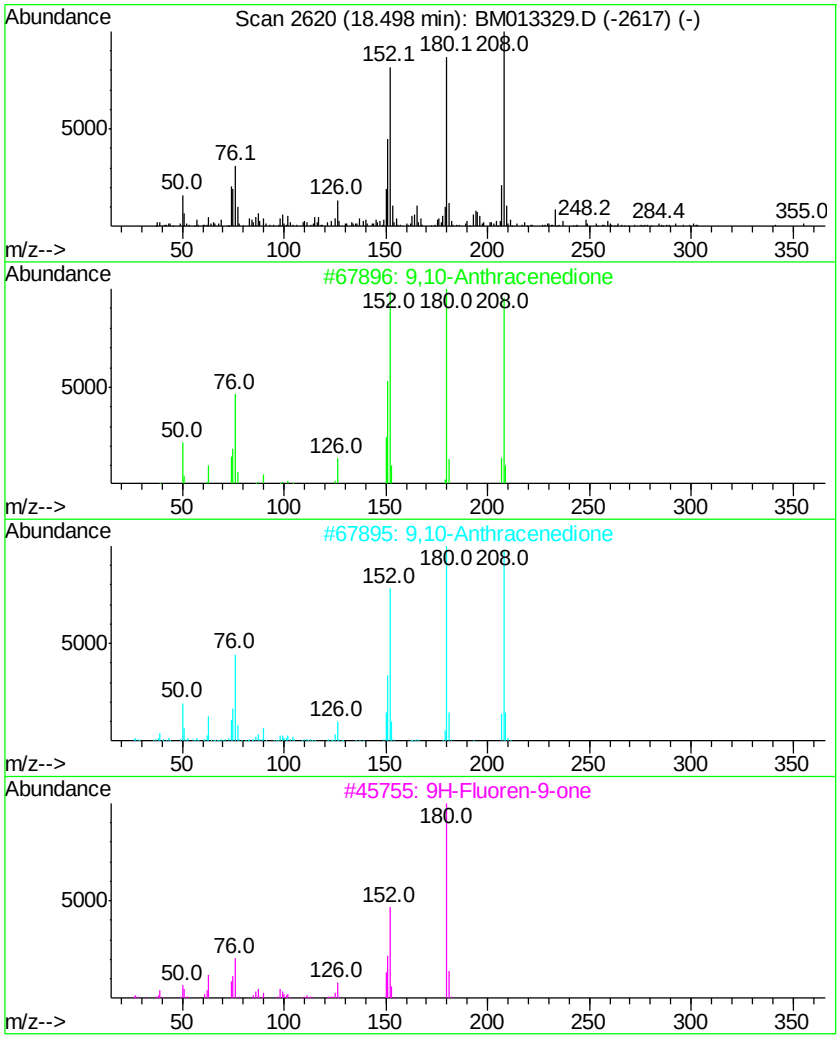
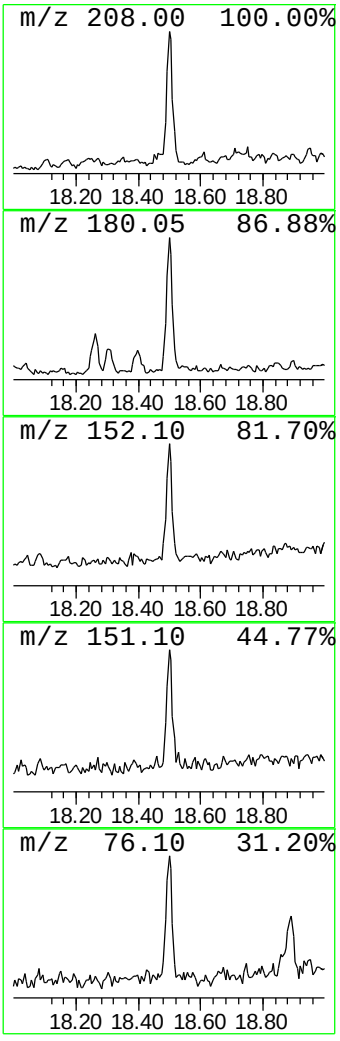
Peak Number 15 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	2.97 ng/ul	509595	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	68





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Sample : I6758-12 30X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B13

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Quant Title : SVOA CALIBRATION

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

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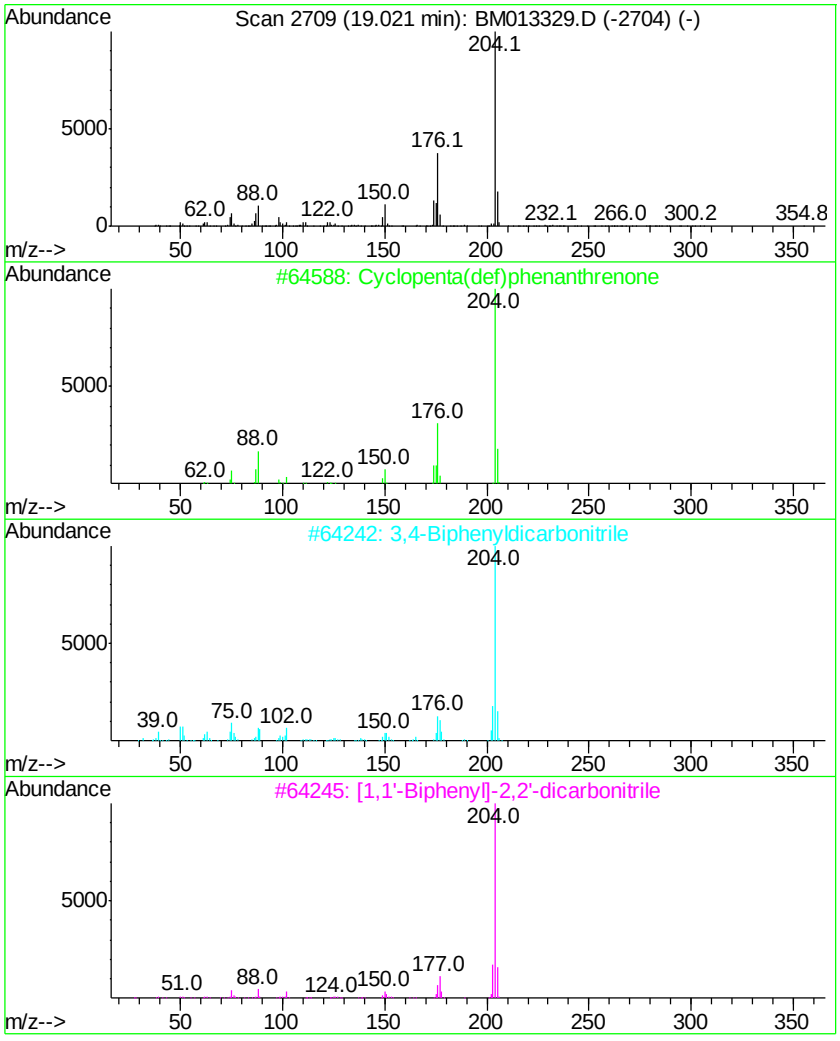
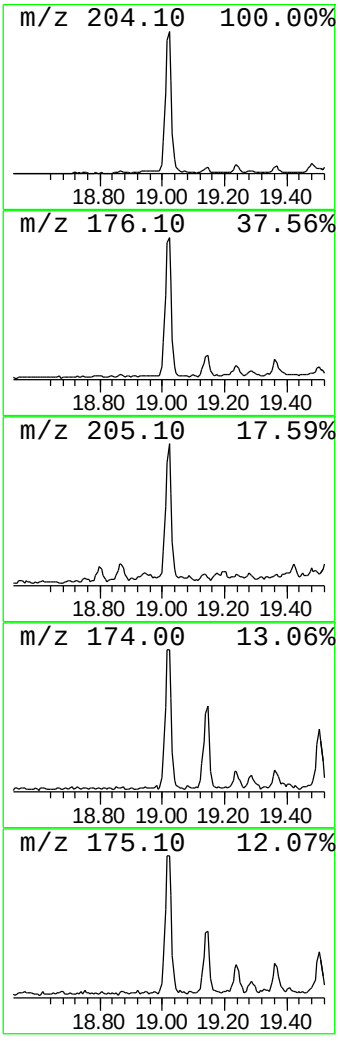
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	13.37 ng/ul	2296240	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	72
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	64
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	56
5	Quinoline, 6-methoxy-8-nitro-	204	C10H8N2O3	000085-81-4	53





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Quant Title : SVOA CALIBRATION

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

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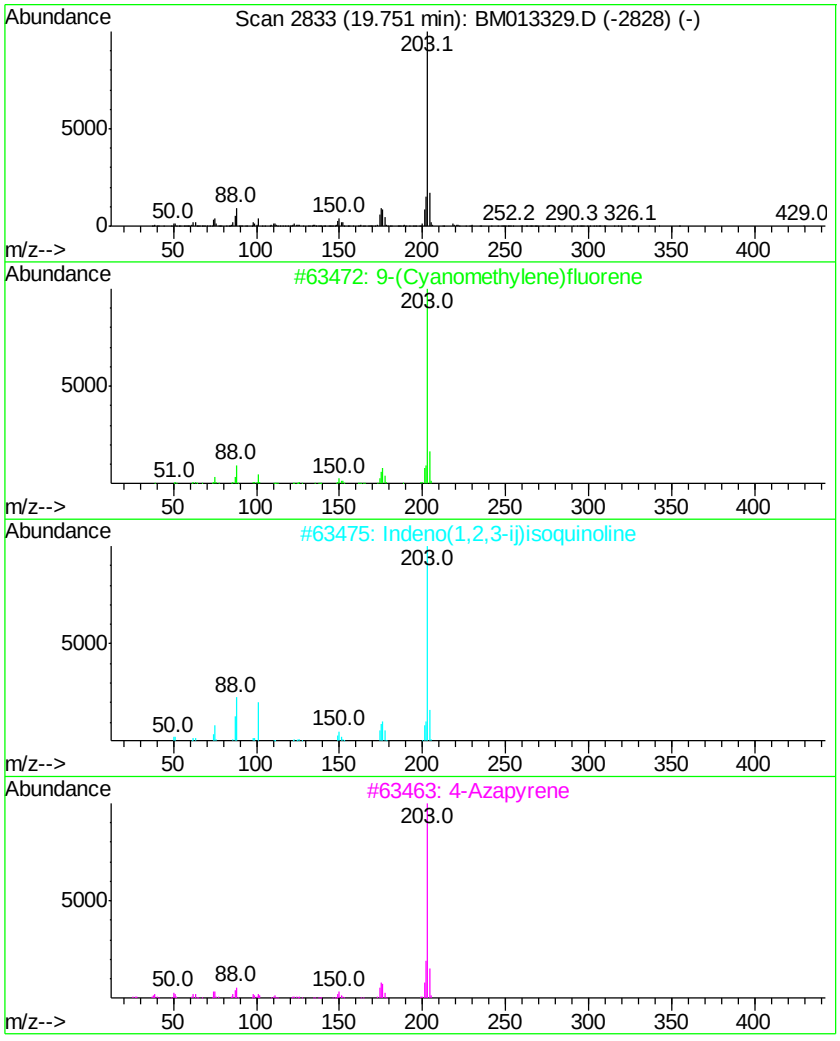
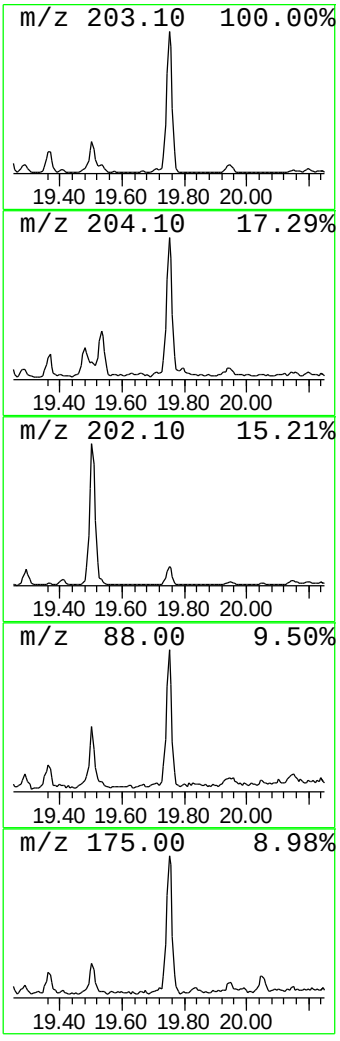
Peak Number 17 9-(Cyanomethylene)fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.75	6.06 ng/ul	3535340	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	97
2	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	96
3	4-Azapyrene	203	C15H9N	000194-03-6	96
4	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	95
5	9-Cyanophenanthrene	203	C15H9N	002510-55-6	94





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ClientSampleId : F9B13

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Quant Title : SVOA CALIBRATION

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

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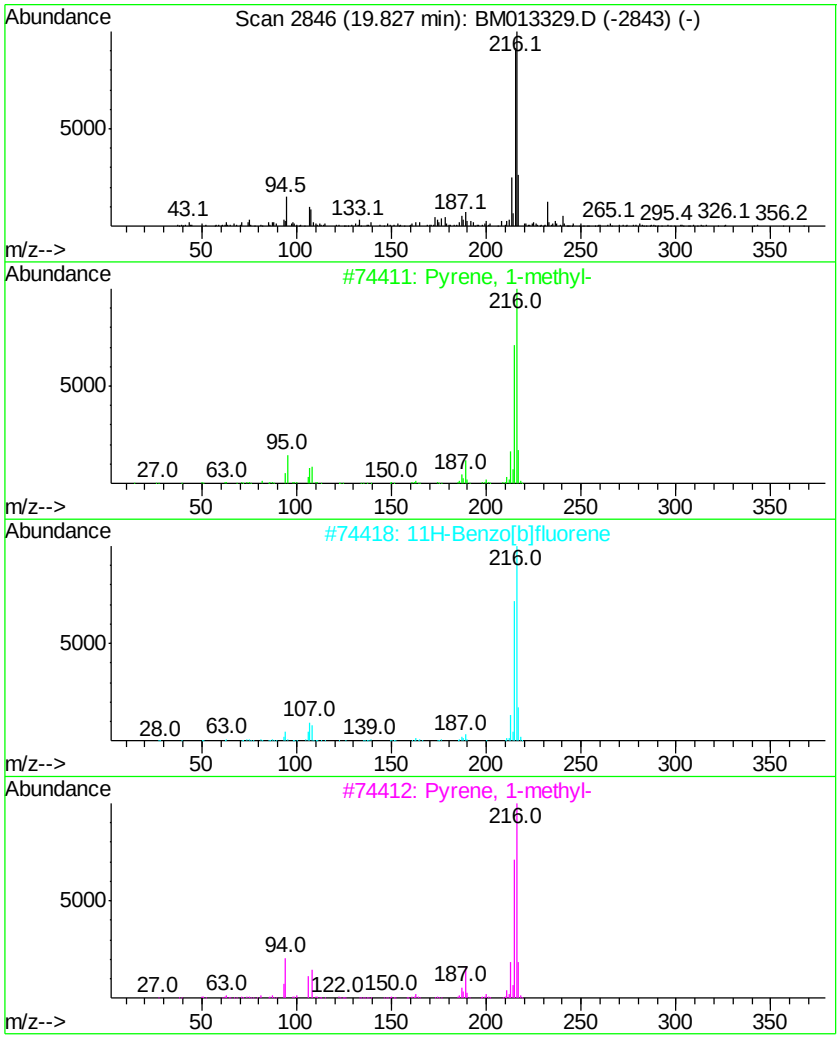
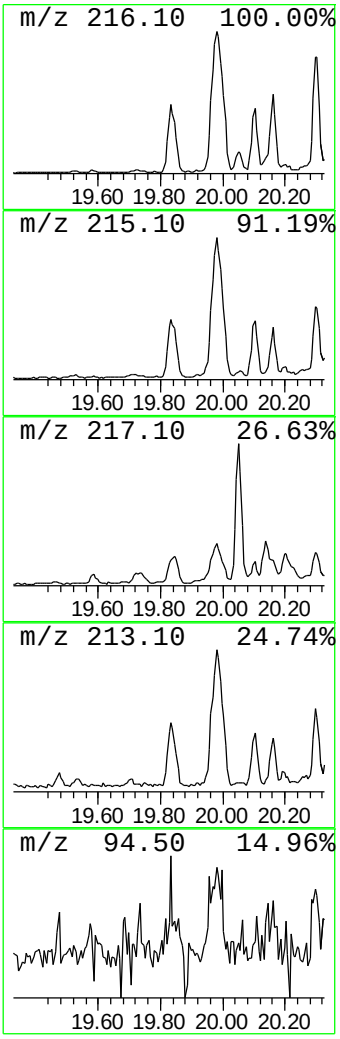
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	2.58 ng/ul	1507780	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72





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Quant Title : SVOA CALIBRATION

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

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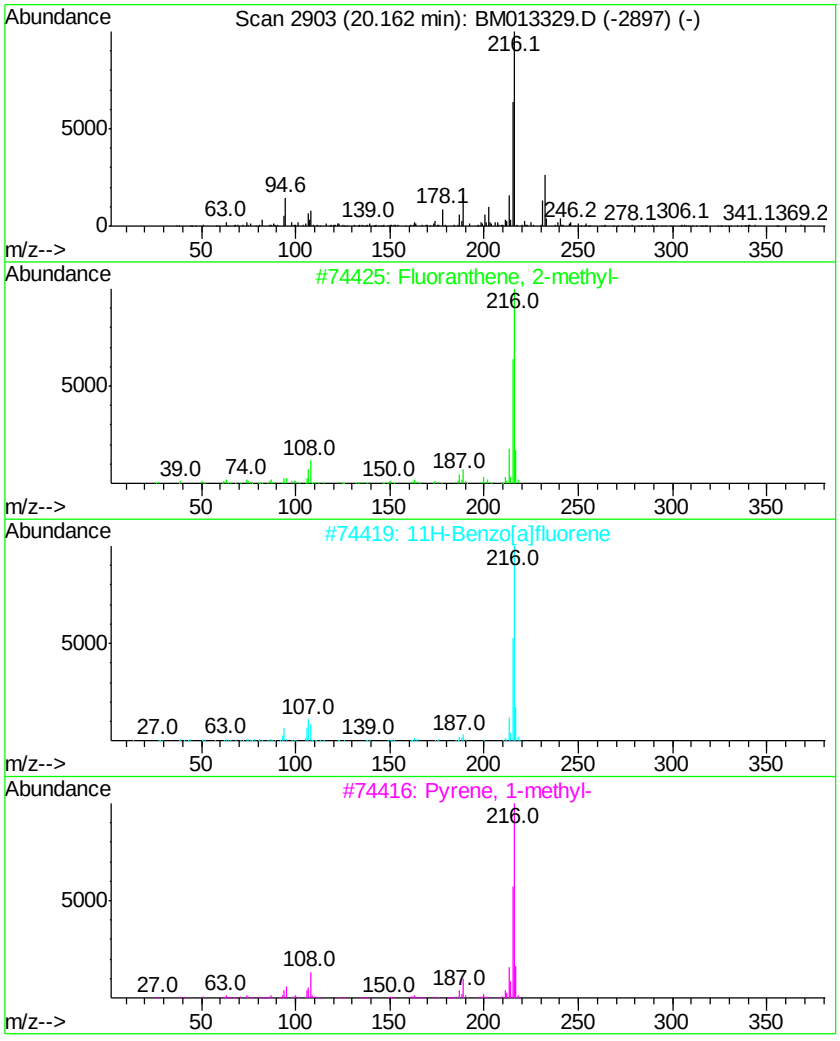
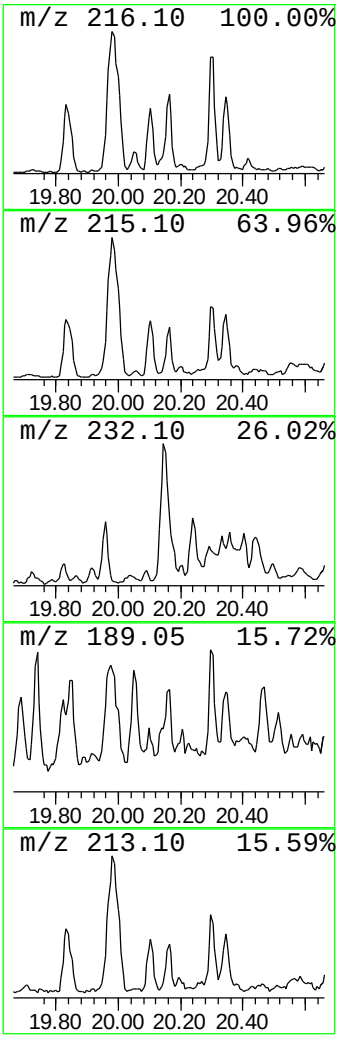
Peak Number 19 Fluoranthene, 2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	2.05 ng/ul	1198870	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	60
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	55
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	53





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Quant Title : SVOA CALIBRATION

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

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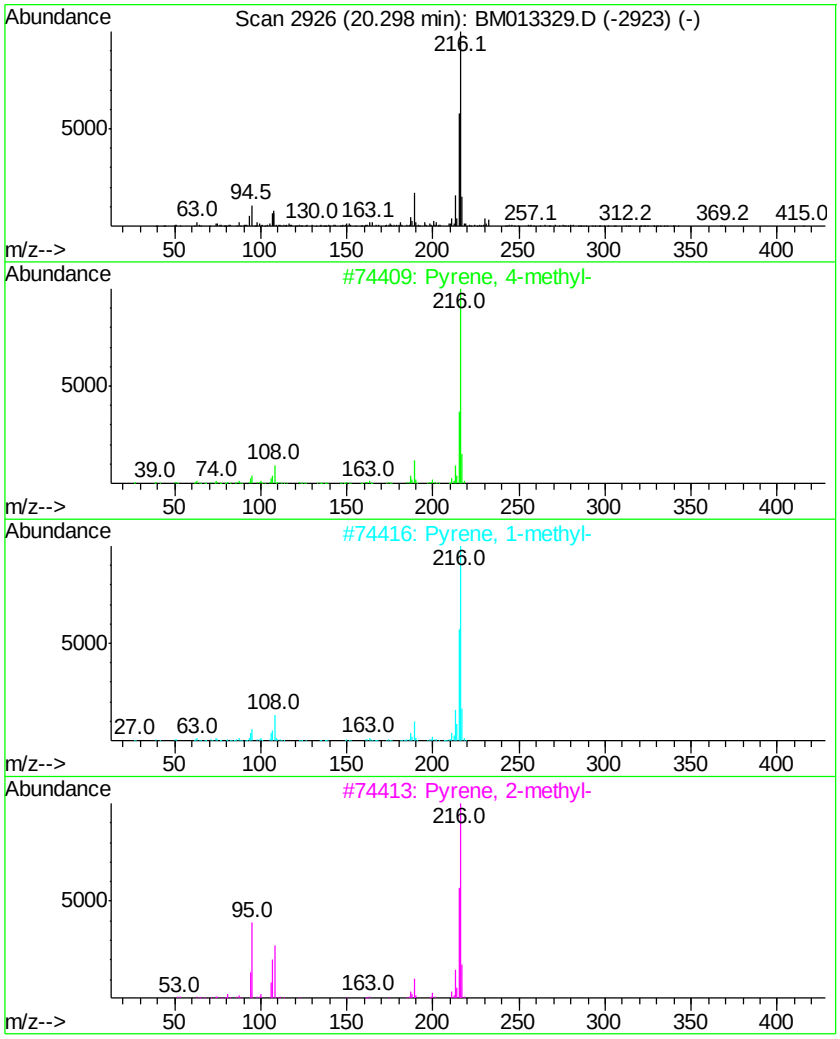
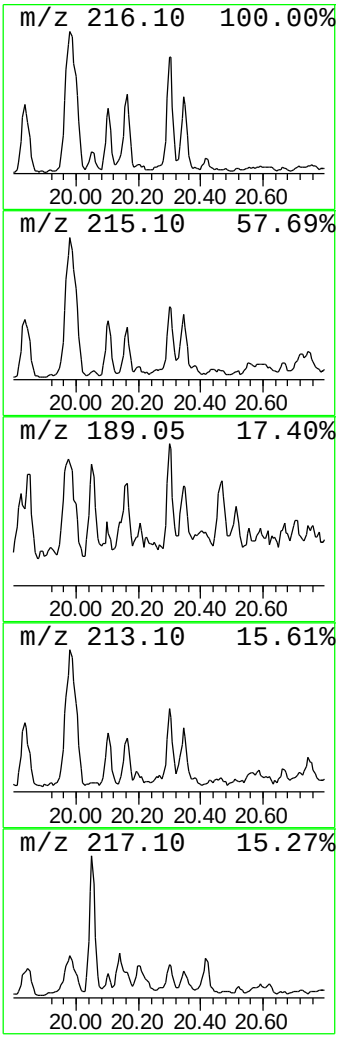
Peak Number 20 Pyrene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.30	2.51 ng/ul	1466300	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Acq On : 12 Dec 2017 06:06
Operator : SJ/JU
Sample : I6758-12 30X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B13

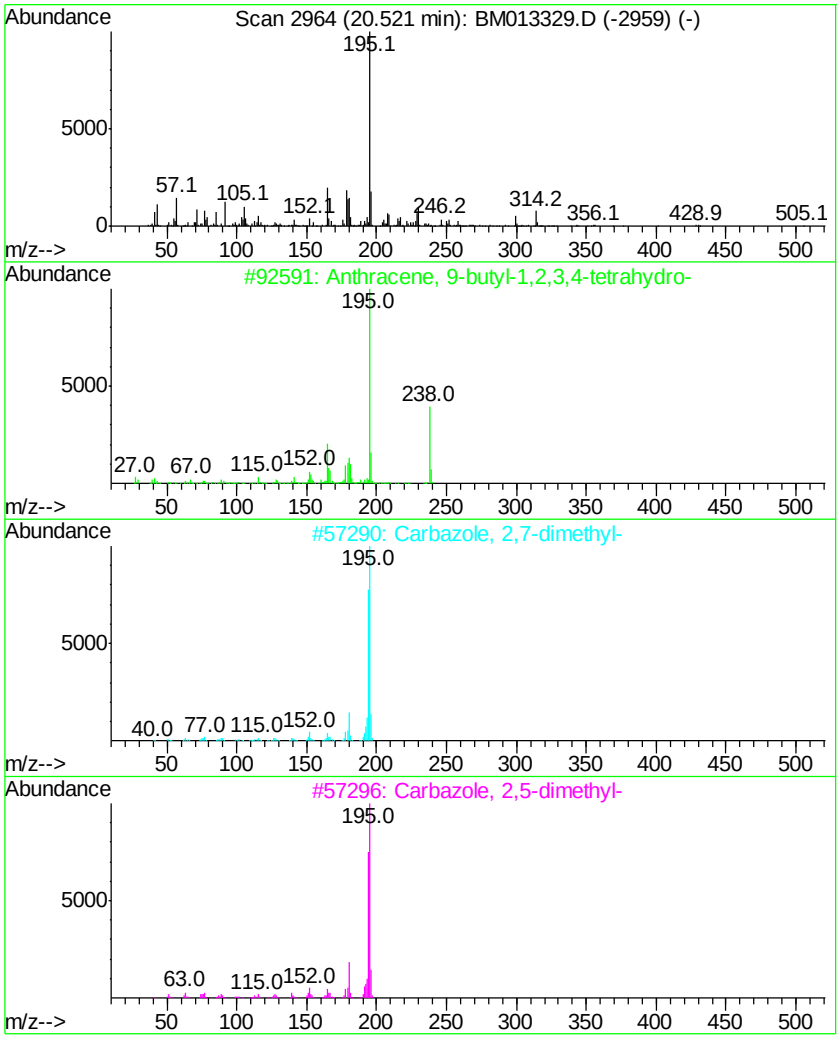
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

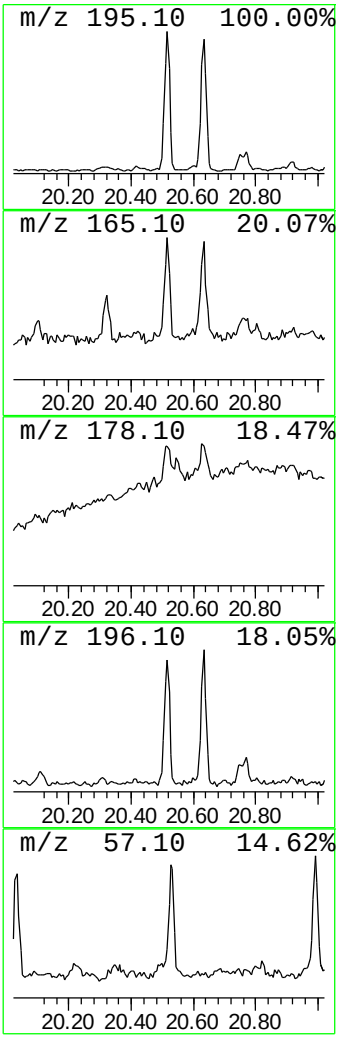
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Anthracene, 9-butyl-1,2,3,4... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.52	2.57 ng/ul	1501730	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-butyl-1,2,3,4-tetr...	238	C18H22	1000151-39-2	80
2	Carbazole, 2,7-dimethyl-	195	C14H13N	018992-65-9	58
3	Carbazole, 2,5-dimethyl-	195	C14H13N	078787-79-8	58
4	Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	52
5	Benzenamine, 4-(2-phenylethenyl)-	195	C14H13N	000834-24-2	50





Library Search Compound Report

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Sample : I6758-12 30X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B13

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

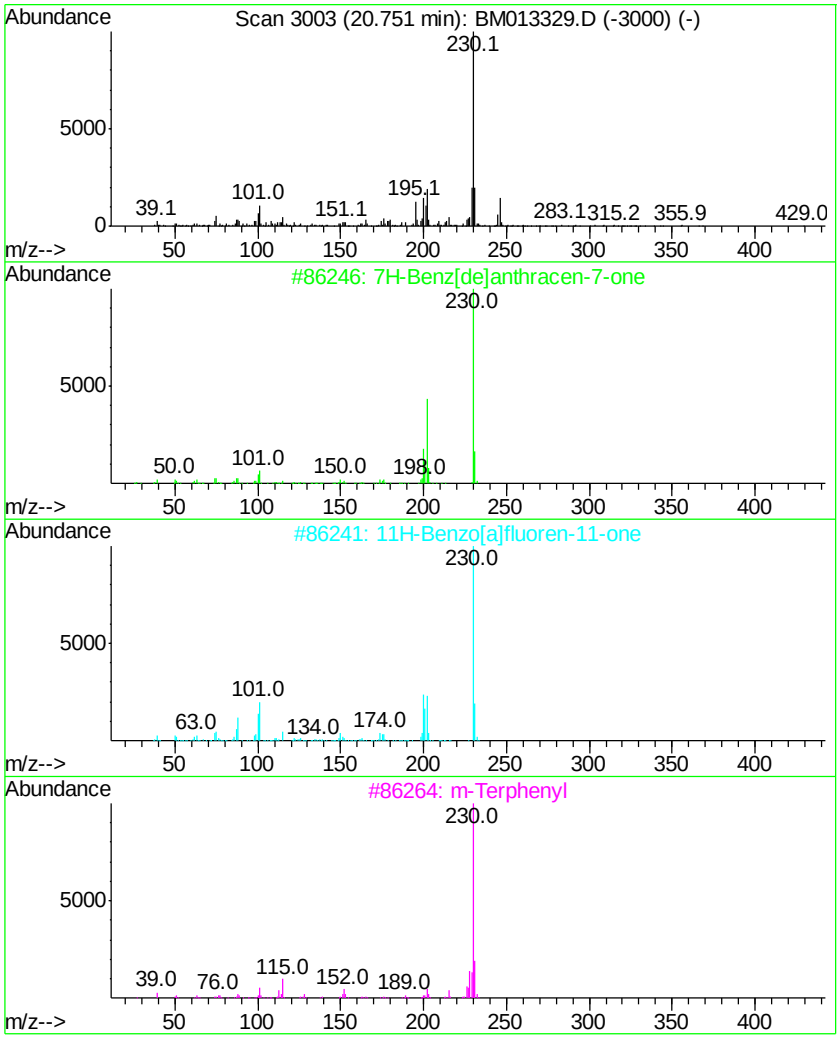
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

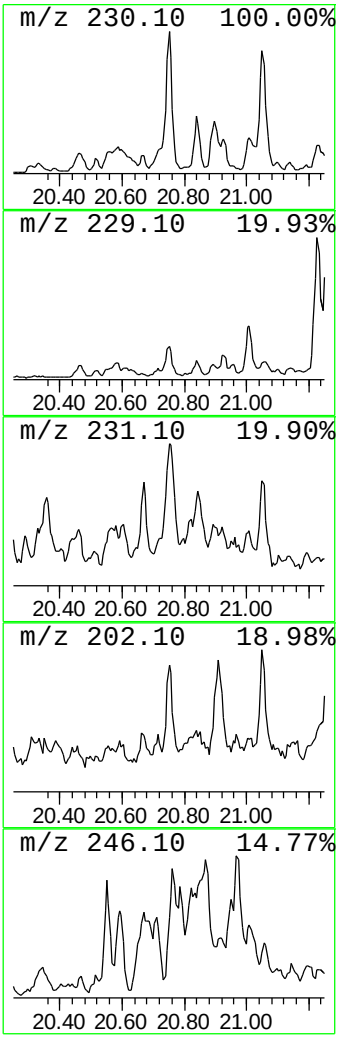
****

Peak Number 22 7H-Benz[de]anthracen-7-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.75	2.63 ng/ul	1533810	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	76
3	m-Terphenyl	230	C18H14	000092-06-8	58
4	Benzo(b)phenazine	230	C16H10N2	000257-97-6	53
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	53





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Sample : I6758-12 30X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B13

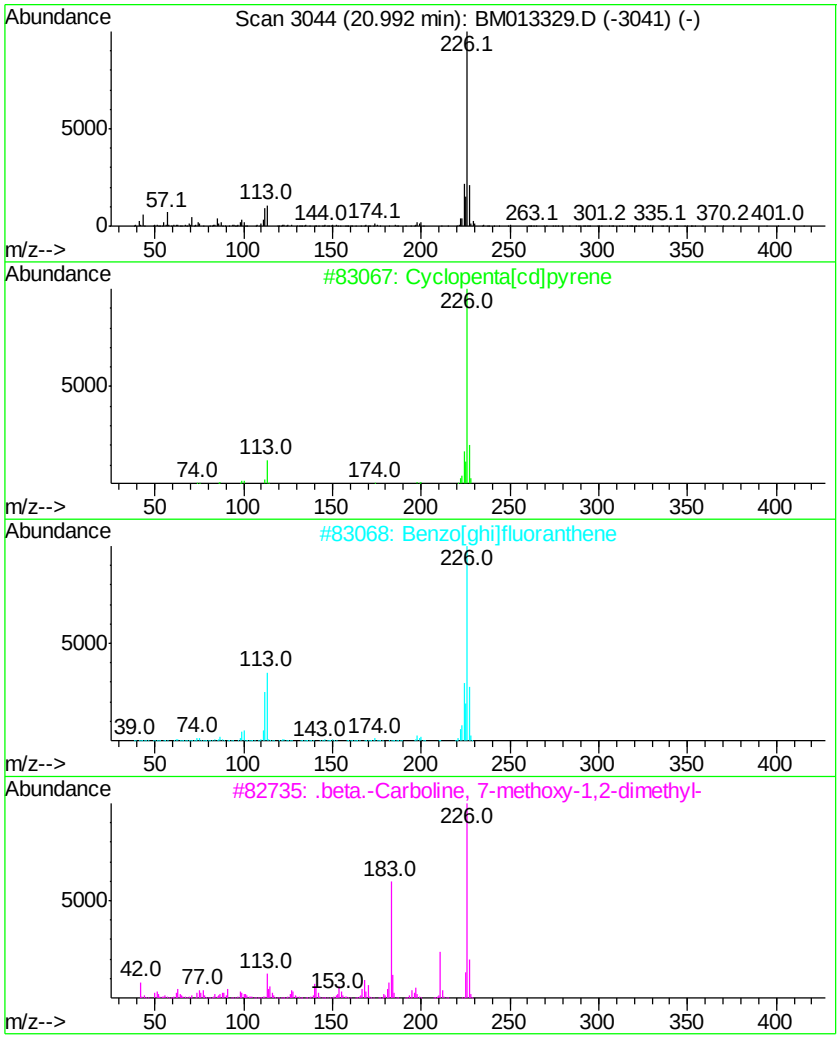
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

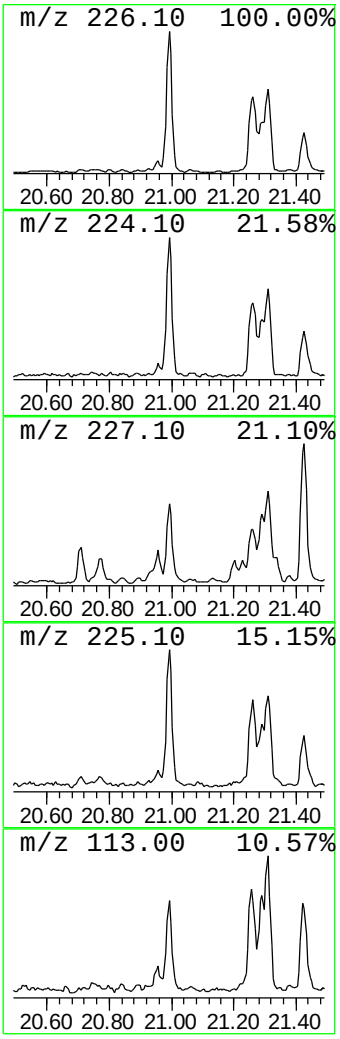
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Cyclopenta[cd]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	4.01 ng/ul	2340310	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	81
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	74
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	53
5	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	49





Library Search Compound Report

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Sample : I6758-12 30X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B13

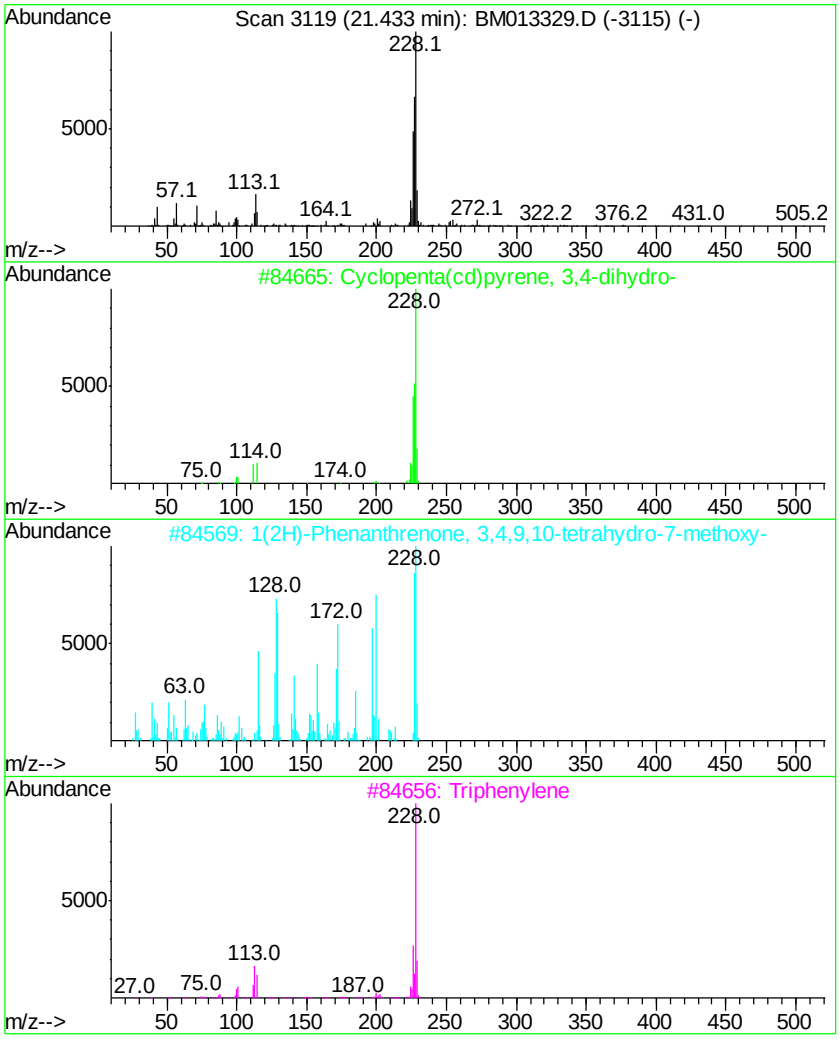
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

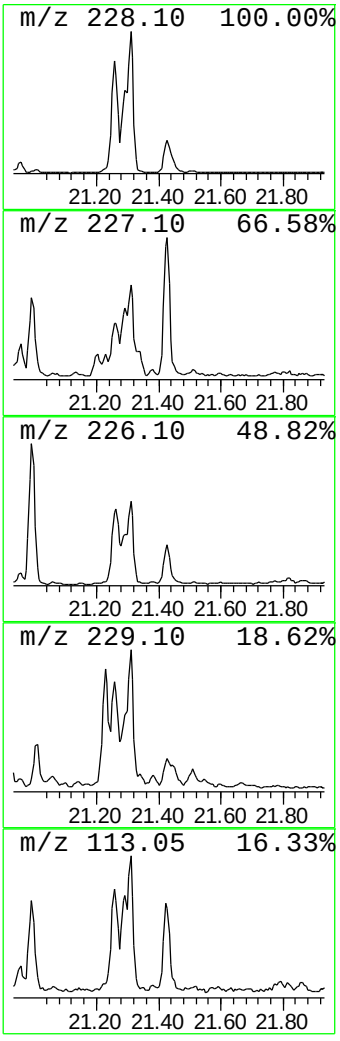
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.43	3.01 ng/ul	1756400	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	87
2	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	50
3	Triphenylene	228	C18H12	000217-59-4	45
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
5	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	40





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Operator : SJ/JU
Sample : I6758-12 30X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B13

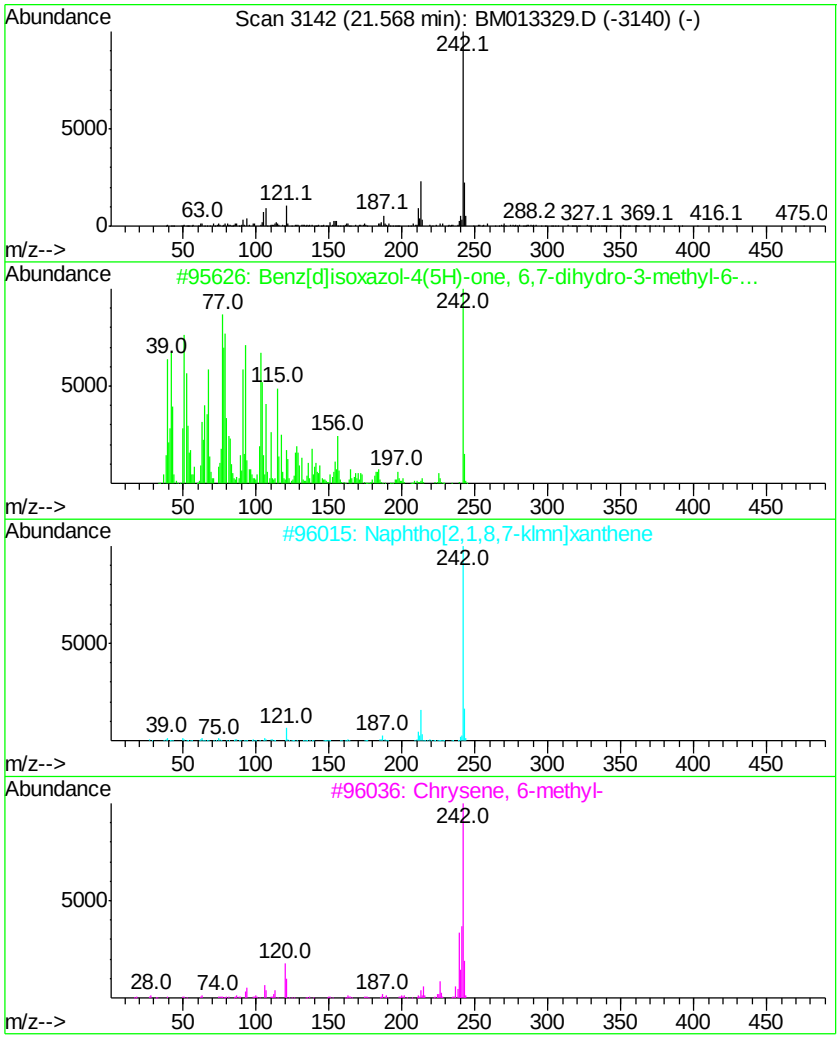
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

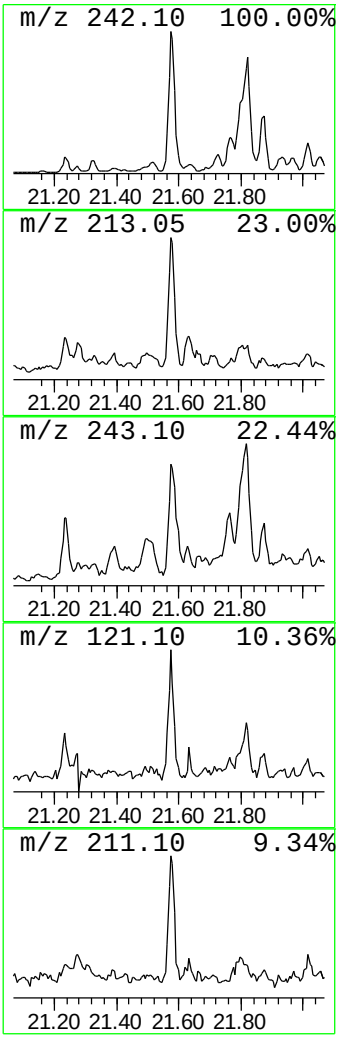
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Benz[d]isoxazol-4(5H)-one, ... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.57	2.85 ng/ul	1664820	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[d]isoxazol-4(5H)-one, 6,7-d...	242	C14H14N2O2	300389-62-2	86
2	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	81
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	64
4	4b,10b-Dihydro-4b,10b-methanochr...	242	C19H14	071949-03-6	64
5	4,4'-Dimethoxy-2,2'-dimethylbiph...	242	C16H18O2	046873-19-2	59





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Sample : I6758-12 30X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B13

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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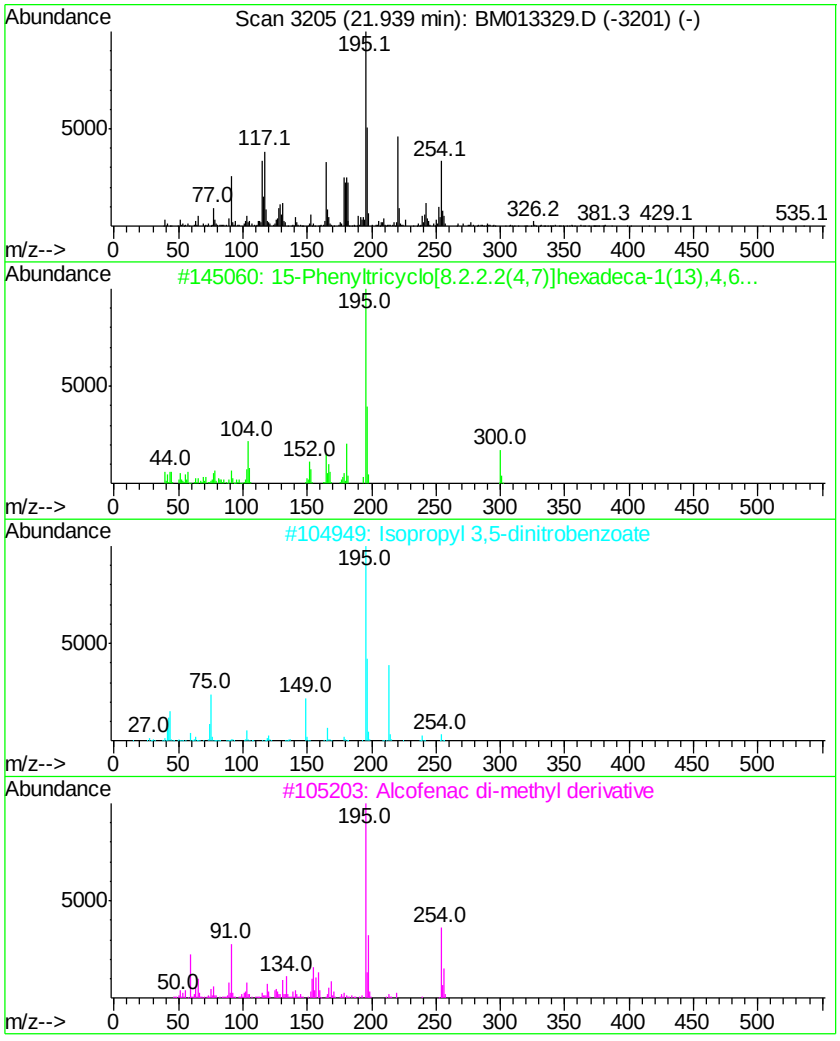
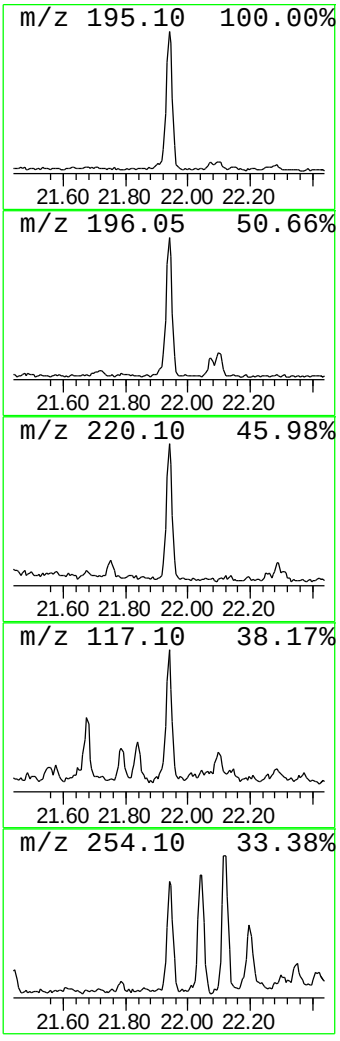
Peak Number 26 unknown-01 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.94	2.41 ng/ul	1404010	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	15-Phenyltricyclo[8.2.2.2(4,7)]h...	300	C22H20O	1000306-65-7	32
2	Isopropyl 3,5-dinitrobenzoate	254	C10H10N2O6	1000373-87-3	27
3	Alcofenac di-methyl derivative	254	C13H15ClO3	1000137-00-2	22
4	Ethanone, 1-(3,4-dihydro-7-hydro...	250	C14H18O4	004655-89-4	22
5	9,9-Dimethyl-9-silafluorene	210	C14H14Si	013688-68-1	22





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Operator : SJ/JU
Sample : I6758-12 30X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B13

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

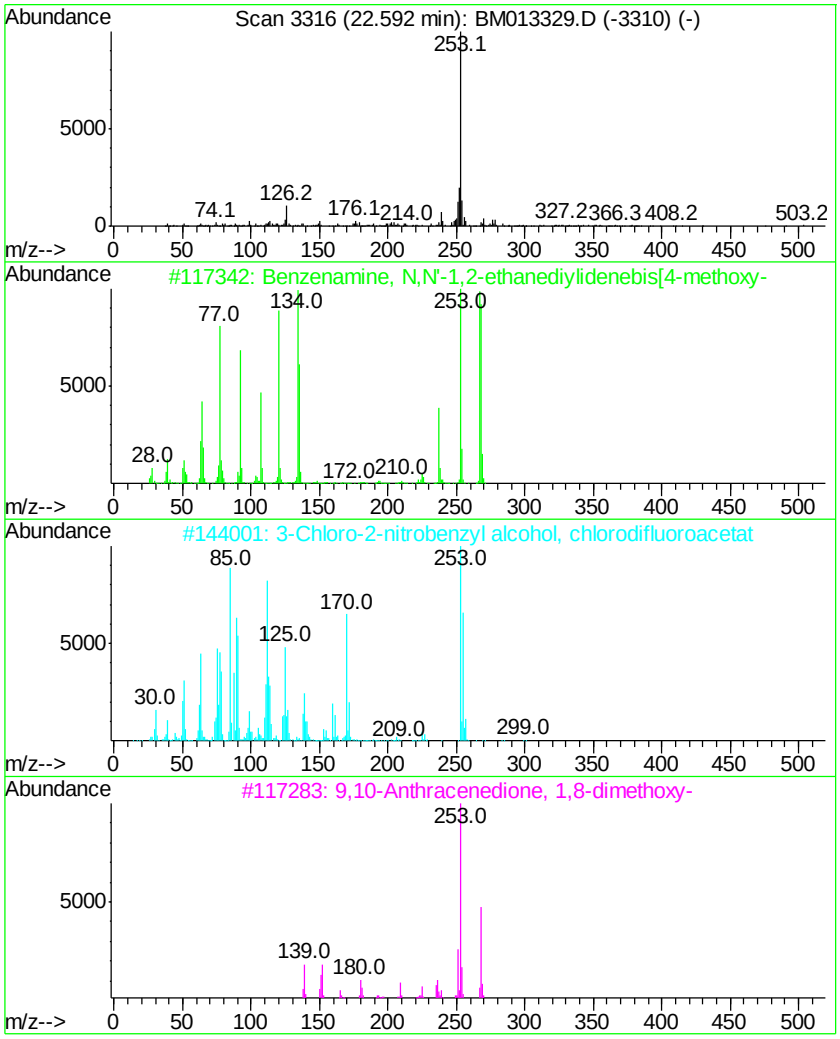
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

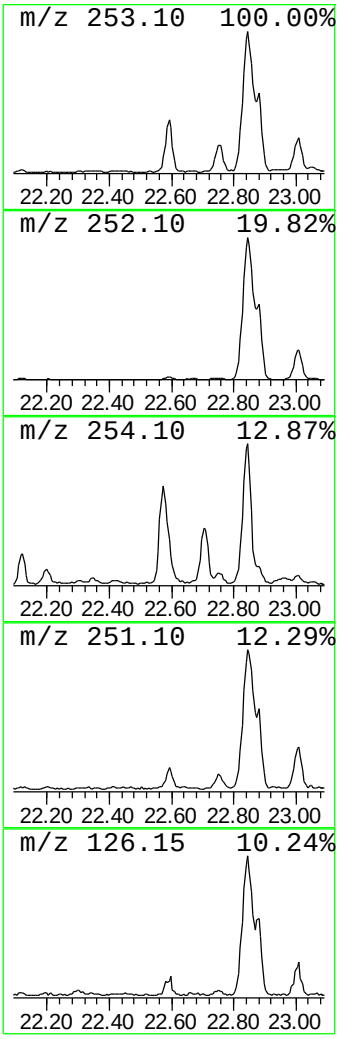
****

Peak Number 27 unknown-02 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.59	29.78 ng/ul	2069310	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, N,N'-1,2-ethanediyl...	268	C16H16N2O2	024764-91-8	47
2	3-Chloro-2-nitrobenzyl alcohol, ...	299	C9H5Cl2F2NO4	1000376-11-2	47
3	9,10-Anthracenedione, 1,8-dimeth...	268	C16H12O4	006407-55-2	38
4	Benzenesulfonamide, N-(3-chloro-...	408	C17H13ClN2O4S2	1000272-05-6	36
5	Musk ambrette (artificial)	268	C12H16N2O5	000083-66-9	36





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Sample : I6758-12 30X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9B13

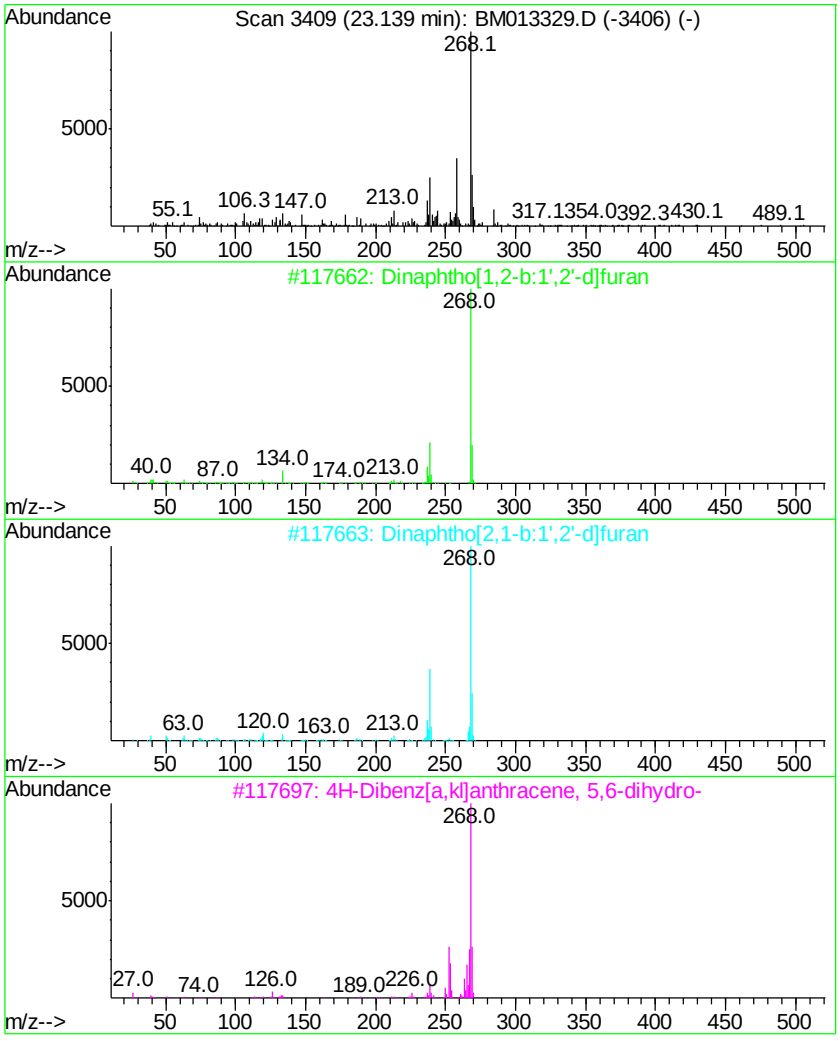
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

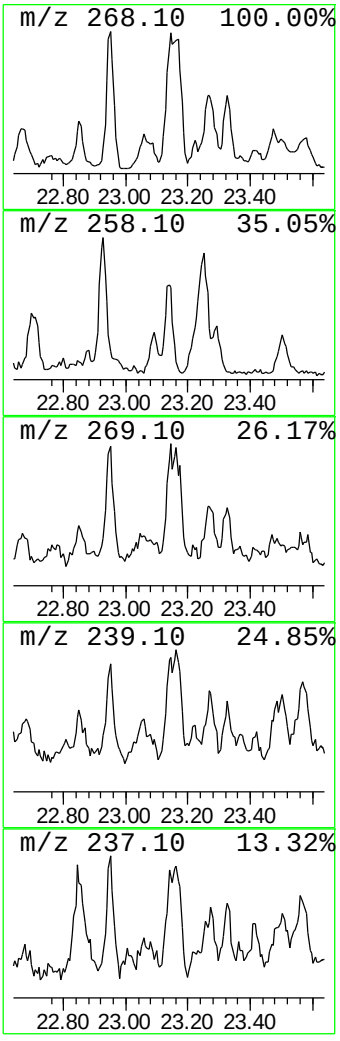
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.14	13.30 ng/ul	924195	Perylene-d12	23.50

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	58
3	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	53
4	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	53
5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	52





Tentatively Identified Compound (LSC) summary

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Data File : BM013329.D
Acq On : 12 Dec 2017 06:06
Operator : SJ/JU
Sample : I6758-12 30X
Misc :
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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
Benzene, 2-propenyl-	7.35	2.3	ng/ul	182893	1	7.69	1575150	20.0
Indene	8.22	4.9	ng/ul	386323	1	7.69	1575150	20.0
Quinoline, 2,3,4-...	14.96	2.1	ng/ul	317162	3	14.33	2967500	20.0
(DEL) Alkane: Str...	15.60	2.4	ng/ul	351729	3	14.33	2967500	20.0
1(2H)-Acenaphthyl...	16.06	10.0	ng/ul	1721550	4	17.08	3436080	20.0
(DEL) Alkane: Str...	16.90	2.4	ng/ul	416023	4	17.08	3436080	20.0
(DEL) Alkane: Str...	17.59	2.2	ng/ul	378989	4	17.08	3436080	20.0
1,2-Acenaphthylen...	17.75	5.5	ng/ul	941860	4	17.08	3436080	20.0
1H-Cyclopropa[l]p...	18.08	3.6	ng/ul	626877	4	17.08	3436080	20.0
Thiophene-3-carbo...	18.15	4.7	ng/ul	804899	4	17.08	3436080	20.0
(DEL) Alkane: Str...	18.28	2.0	ng/ul	350209	4	17.08	3436080	20.0
N-(4-Methoxypheny...	18.34	2.5	ng/ul	422059	4	17.08	3436080	20.0
9,10-Anthracenedione	18.50	3.0	ng/ul	509595	4	17.08	3436080	20.0
Cyclopenta(def)ph...	19.02	13.4	ng/ul	2296240	4	17.08	3436080	20.0
9-(Cyanomethylene...	19.75	6.1	ng/ul	3535340	5	21.27	11670300	20.0
Pyrene, 1-methyl-	19.83	2.6	ng/ul	1507780	5	21.27	11670300	20.0
Fluoranthene, 2-m...	20.16	2.0	ng/ul	1198870	5	21.27	11670300	20.0
Pyrene, 4-methyl-	20.30	2.5	ng/ul	1466300	5	21.27	11670300	20.0
Anthracene, 9-but...	20.52	2.6	ng/ul	1501730	5	21.27	11670300	20.0
7H-Benz[de]anthra...	20.75	2.6	ng/ul	1533810	5	21.27	11670300	20.0
Cyclopenta[cd]pyrene	20.99	4.0	ng/ul	2340310	5	21.27	11670300	20.0
Cyclopenta(cd)pyr...	21.43	3.0	ng/ul	1756400	5	21.27	11670300	20.0
Benz[d]isoxazol-4...	21.57	2.9	ng/ul	1664820	5	21.27	11670300	20.0
unknown-01	21.94	2.4	ng/ul	1404010	5	21.27	11670300	20.0
unknown-02	22.59	29.8	ng/ul	2069310	6	23.50	1389500	20.0
Dinaphtho[1,2-b:1...	23.14	13.3	ng/ul	924195	6	23.50	1389500	20.0