LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013465.D
Acq On : 16 Dec 2017 07:02
Operator : SJ/JU
Sample : I6776-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A48

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	6.851	633	640	652	rBV2	888065	1628165	12.82%	1.044%
2	7.016	662	668	679	rVB	696704	1033357	8.13%	0.662%
3	7.210	694	701	709	rBV	908698	1443315	11.36%	0.925%
4	7.675	772	780	787	rBV	1166608	1879738	14.80%	1.205%
5	8.381	893	900	911	rBV	940949	1515941	11.93%	0.972%
6	8.828	969	976	984	rBV	946708	1544243	12.15%	0.990%
7	9.545	1091	1098	1105	rBV	802110	1361400	10.72%	0.873%
8	10.075	1181	1188	1197	rBV	1188897	2056823	16.19%	1.319%
9	10.451	1244	1252	1258	rBV	1744507	2849267	22.43%	1.827%
10	10.598	1269	1277	1290	rBV	498084	962949	7.58%	0.617%
11	13.733	1804	1810	1814	rBV	2173344	2971647	23.39%	1.905%
12	13.780	1814	1818	1826	rVB	443705	661261	5.20%	0.424%
13	14.010	1848	1857	1868	rBV2	2401780	4217304	33.19%	2.704%
14	14.222	1888	1893	1898	rBV	142720	181006	1.42%	0.116%
15	14.316	1901	1909	1916	rVV2	2455787	3789026	29.82%	2.429%
16	14.533	1939	1946	1956	rBV	802690	1370662	10.79%	0.879%
17	15.174	2051	2055	2060	rVB2	163131	217103	1.71%	0.139%
18	15.316	2072	2079	2084	rBV	2870093	4206316	33.11%	2.697%
19	15.445	2095	2101	2112	rBV	783338	1168159	9.19%	0.749%
20	15.580	2115	2124	2129	rVV6	56299	149122	1.17%	0.096%
21	16.039	2197	2202	2214	rVB4	237440	529831	4.17%	0.340%
22	16.721	2313	2318	2324	rBV2	334755	500075	3.94%	0.321%
23	16.833	2334	2337	2341	rVV2	119725	150391	1.18%	0.096%
24	16.886	2342	2346	2353	rVB3	117800	190000	1.50%	0.122%
25	16.980	2357	2362	2366	rBV3	89228	139791	1.10%	0.090%
26	17.068	2370	2377	2381	rBV2	3023043	4489576	35.34%	2.878%
27	17.110	2381	2384	2388	rVV	851078	1097957	8.64%	0.704%
28	17.163	2388	2393	2397	rVV	3148594	4557629	35.87%	2.922%
29	17.198	2397	2399	2404	rVV	794296	935991	7.37%	0.600%
30	17.257	2404	2409	2416	rVB7	70648	133231	1.05%	0.085%
31	17.468	2437	2445	2456	rBV2	322656	723990	5.70%	0.464%
32	17.574	2459	2463	2469	rVB4	84180	171741	1.35%	0.110%
33	17.939	2522	2525	2527	rBV	134776	160598	1.26%	0.103%
34	17.974	2527	2531	2540	rVB2	668992	1194781	9.40%	0.766%

LSC Area Percent Report

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Sample : I6776-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A48

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	18.068	2544	2547	2552	rVB	151084	215026	1.69%	0.138%
36	18.139	2553	2559	2562	rBV3	263567	525792	4.14%	0.337%
37	18.262	2575	2580	2583	rBV5	125222	213172	1.68%	0.137%
38	18.339	2589	2593	2597	rVV3	105406	167859	1.32%	0.108%
39	18.445	2608	2611	2614	rVB	181534	189365	1.49%	0.121%
40	18.486	2614	2618	2625	rVB	379411	524677	4.13%	0.336%
41	18.692	2650	2653	2656	rVB2	136620	167164	1.32%	0.107%
42	18.786	2665	2669	2672	rVB	117774	148349	1.17%	0.095%
43	18.868	2678	2683	2687	rBV3	249677	487542	3.84%	0.313%
44	19.004	2702	2706	2713	rVV	453015	704043	5.54%	0.451%
45	19.133	2720	2728	2734	rVB	5756983	7636953	60.11%	4.896%
46	19.192	2735	2738	2741	rBV2	125348	165761	1.30%	0.106%
47	19.256	2746	2749	2751	rBV2	233666	271037	2.13%	0.174%
48	19.339	2759	2763	2765	rBV3	128500	181642	1.43%	0.116%
49	19.468	2779	2785	2787	rBV2	3911626	6127469	48.23%	3.928%
50	19.498	2787	2790	2798	rVV	5578728	7215488	56.79%	4.626%
51	19.568	2798	2802	2808	rVB2	348731	571600	4.50%	0.366%
52	19.674	2816	2820	2825	rVV	280991	434723	3.42%	0.279%
53	19.733	2827	2830	2834	rVB3	222718	279580	2.20%	0.179%
54	19.821	2839	2845	2852	rBV3	614675	1513484	11.91%	0.970%
55	19.909	2857	2860	2863	rVV2	254540	301644	2.37%	0.193%
56	19.986	2863	2873	2878	rVB5	758460	2331359	18.35%	1.495%
57	20.092	2887	2891	2894	rBV	379296	457951	3.60%	0.294%
58	20.145	2894	2900	2905	rBV2	812732	1508490	11.87%	0.967%
59	20.186	2905	2907	2911	rVB2	216182	230879	1.82%	0.148%
60	20.227	2911	2914	2920	rVB	154718	224219	1.76%	0.144%
61	20.286	2920	2924	2928	rBV	631672	913087	7.19%	0.585%
62	20.333	2928	2932	2936	rVB3	395542	615745	4.85%	0.395%
63	20.451	2949	2952	2957	rVB2	348875	427832	3.37%	0.274%
64	20.503	2958	2961	2964	rBV4	130745	137460	1.08%	0.088%
65	20.651	2984	2986	2990	rVB5	160324	164042	1.29%	0.105%
66	20.739	2997	3001	3007	rVB	1098981	1504982	11.85%	0.965%
67	20.903	3023	3029	3033	rBV2	817560	1442538	11.35%	0.925%
68	20.945	3033	3036	3038	rVV	777378	892453	7.02%	0.572%
69	20.980	3038	3042	3048	rVV2	1435736	2262178	17.81%	1.450%
70	21.039	3048	3052	3060	rVB2	763523	1128637	8.88%	0.724%
71	21.145	3063	3070	3075	rBV4	269921	743619	5.85%	0.477%

LSC Area Percent Report

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Sample : I6776-19
Misc :
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Instrument : BNA_M
ClientSampleId : F9A48

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

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

72	21.256	3080	3089	3093	rBV2	4110790	9498926	74.77%	6.089%
73	21.298	3093	3096	3102	rVB	4303601	5468549	43.04%	3.506%
74	21.415	3112	3116	3123	rBV4	382630	878350	6.91%	0.563%
75	21.568	3138	3142	3147	rVB3	521849	952730	7.50%	0.611%
76	21.621	3147	3151	3154	rBV2	362025	455796	3.59%	0.292%
77	21.750	3170	3173	3175	rBV2	209971	255700	2.01%	0.164%
78	21.803	3176	3182	3186	rVV	753116	1364839	10.74%	0.875%
79	21.868	3187	3193	3198	rVB2	893030	1634630	12.87%	1.048%
80	22.003	3212	3216	3219	rBV	461511	702818	5.53%	0.451%
81	22.103	3229	3233	3237	rVB2	306693	405624	3.19%	0.260%
82	22.286	3260	3264	3270	rBV4	253108	500672	3.94%	0.321%
83	22.568	3307	3312	3322	rVB4	438839	1097762	8.64%	0.704%
84	22.827	3348	3356	3361	rBV	5437956	12704745	100.00%	8.145%
85	22.986	3379	3383	3390	rBV	506595	874917	6.89%	0.561%
86	23.121	3401	3406	3414	rBV	361116	800194	6.30%	0.513%
87	23.297	3430	3436	3440	rBV	2987364	5054362	39.78%	3.240%
88	23.344	3440	3444	3448	rVV2	1512399	2807470	22.10%	1.800%
89	23.392	3448	3452	3459	rVB	2533258	4121639	32.44%	2.642%
90	23.486	3462	3468	3472	rVV	1507868	2833190	22.30%	1.816%
91	23.533	3472	3476	3484	rVB3	815670	1755452	13.82%	1.125%
92	24.009	3554	3557	3566	rVB5	376297	823059	6.48%	0.528%
93	25.715	3839	3847	3861	rVB	1595993	4739116	37.30%	3.038%
94	26.403	3955	3964	3973	rBV2	1092626	3048258	23.99%	1.954%

Sum of corrected areas: 155989025

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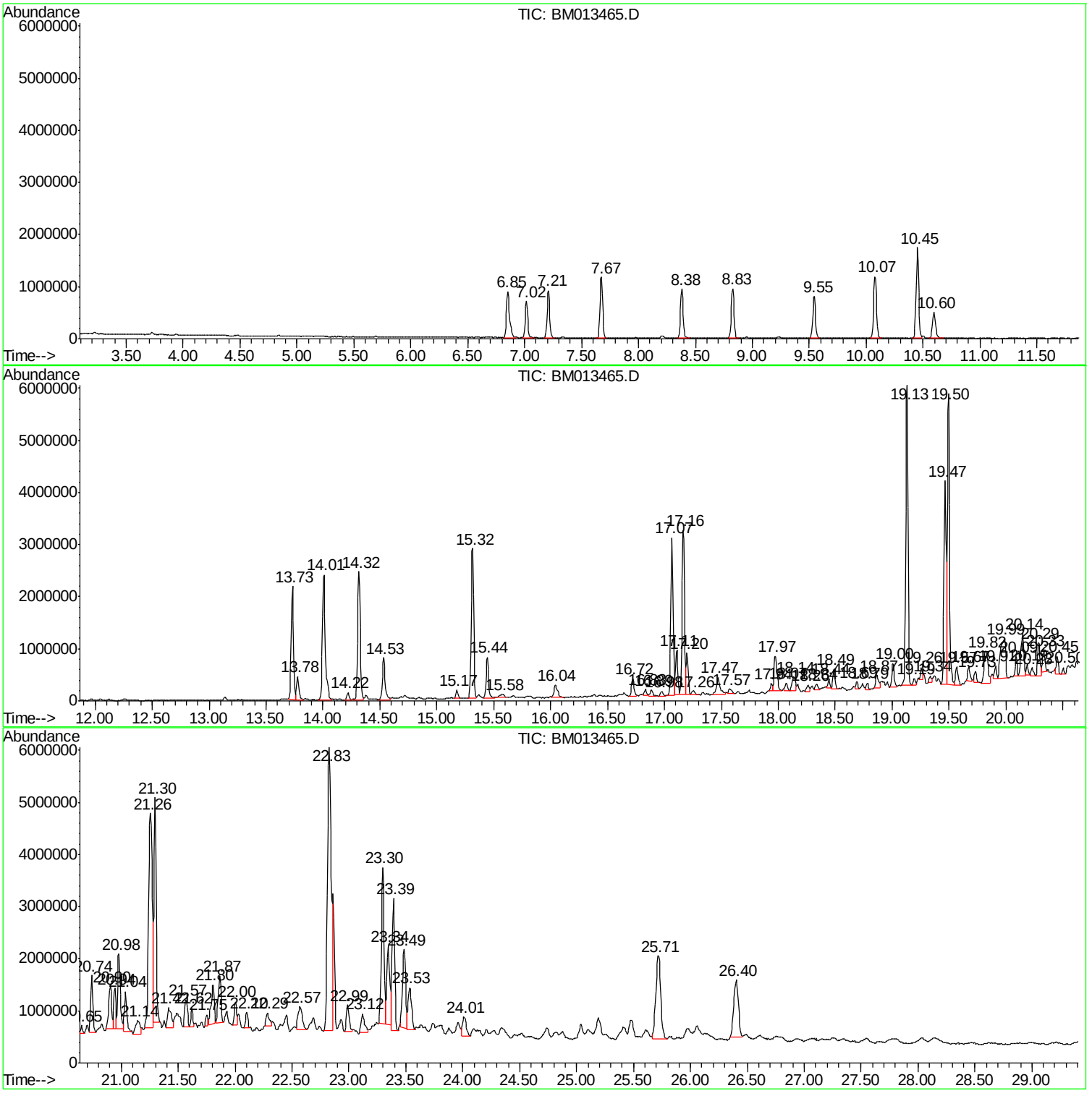
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A48

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013465.D
Acq On : 16 Dec 2017 07:02
Operator : SJ/JU
Sample : I6776-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A48

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

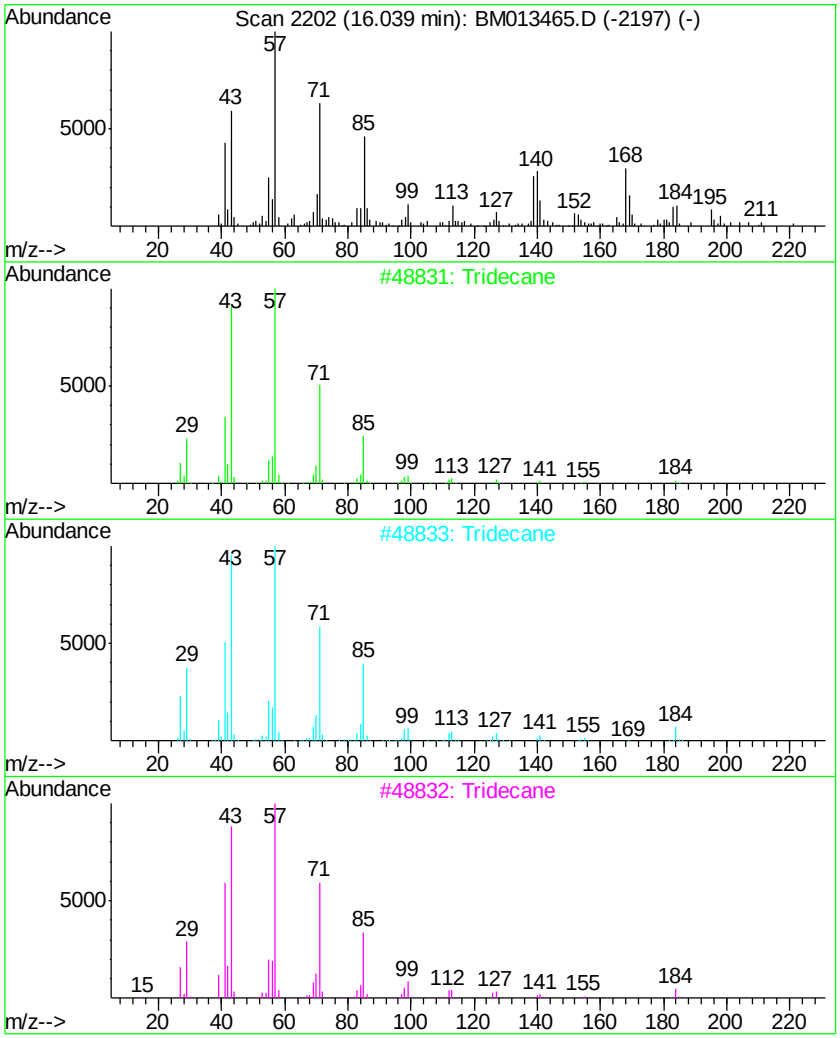
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

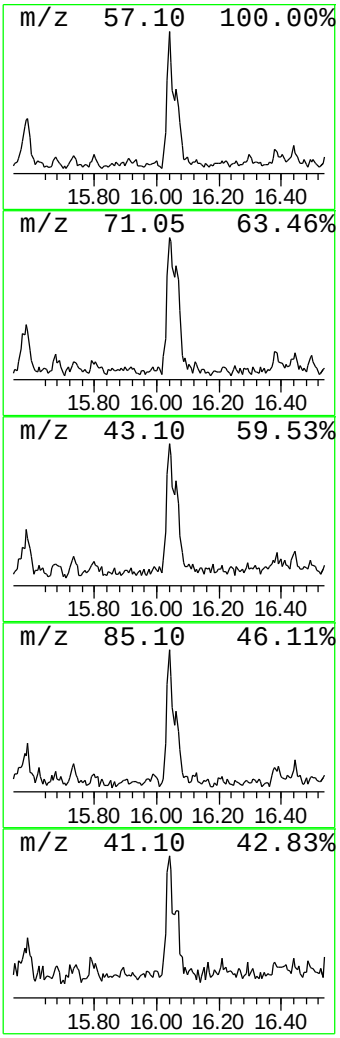
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	2.36 ng/ul	529831	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	50
2	Tridecane	184	C13H28	000629-50-5	50
3	Tridecane	184	C13H28	000629-50-5	50
4	Tetradecane	198	C14H30	000629-59-4	50
5	Tetradecane	198	C14H30	000629-59-4	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013465.D
Acq On : 16 Dec 2017 07:02
Operator : SJ/JU
Sample : I6776-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A48

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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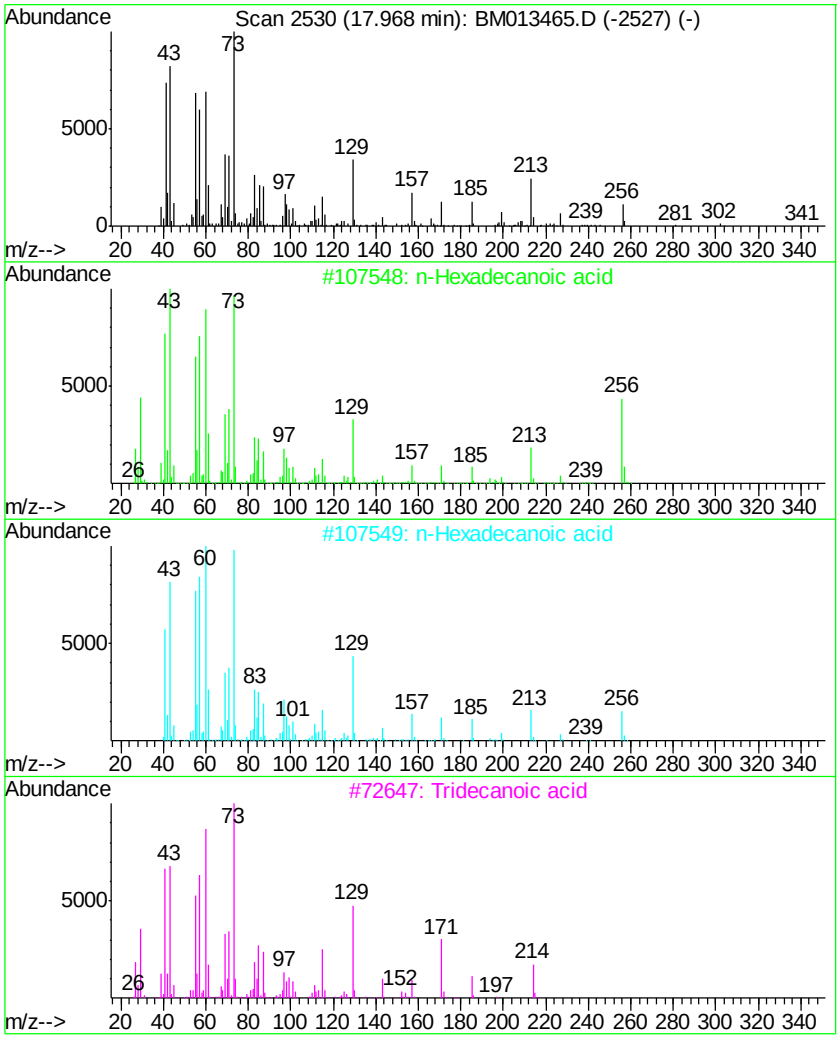
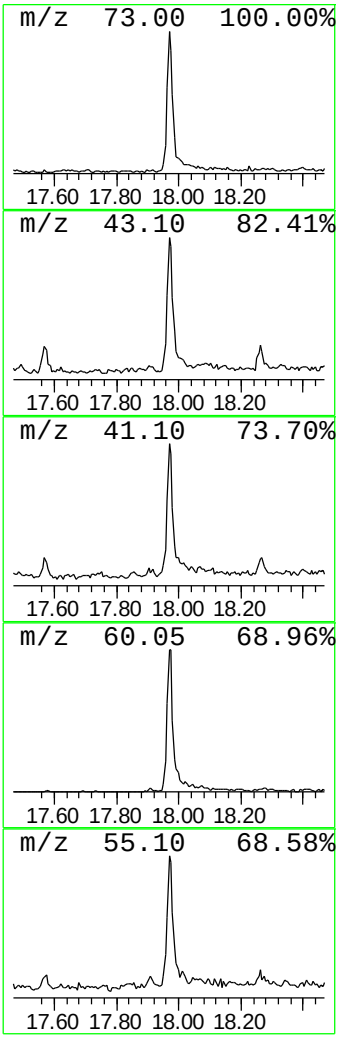
Peak Number 2 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	5.32 ng/ul	1194780	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
3	Tridecanoic acid	214	C13H26O2	000638-53-9	94
4	Tridecanoic acid	214	C13H26O2	000638-53-9	93
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	91





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ClientSampleId : F9A48

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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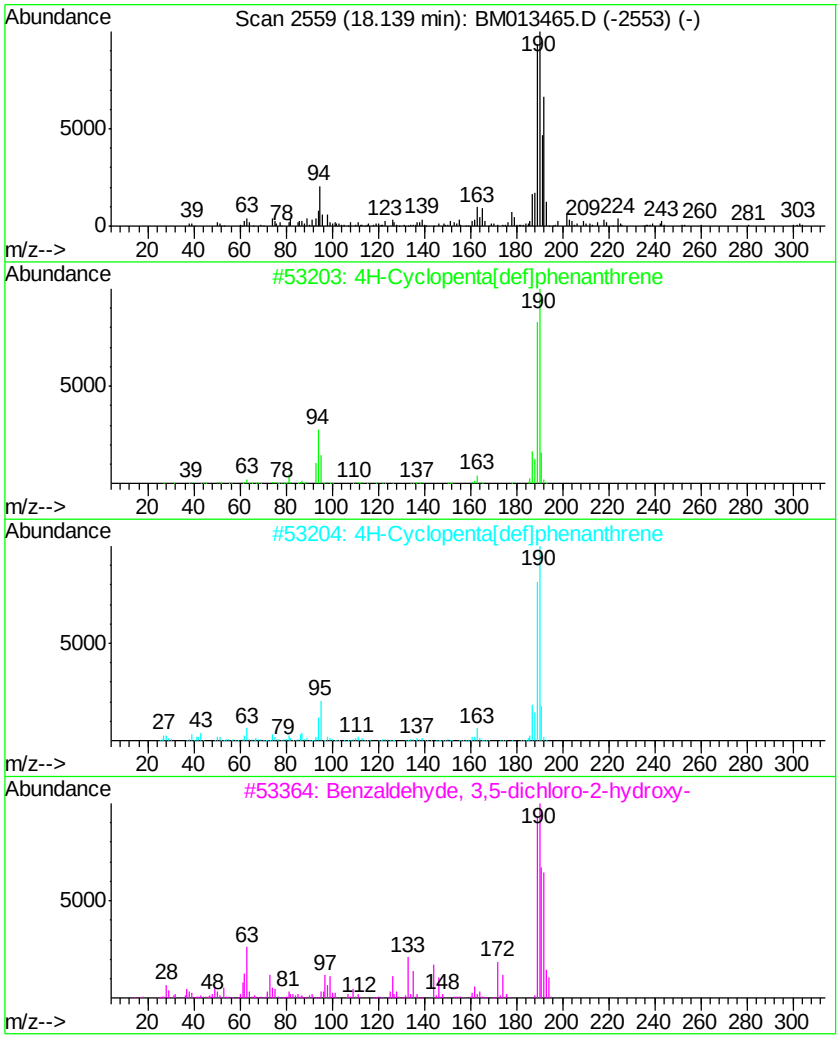
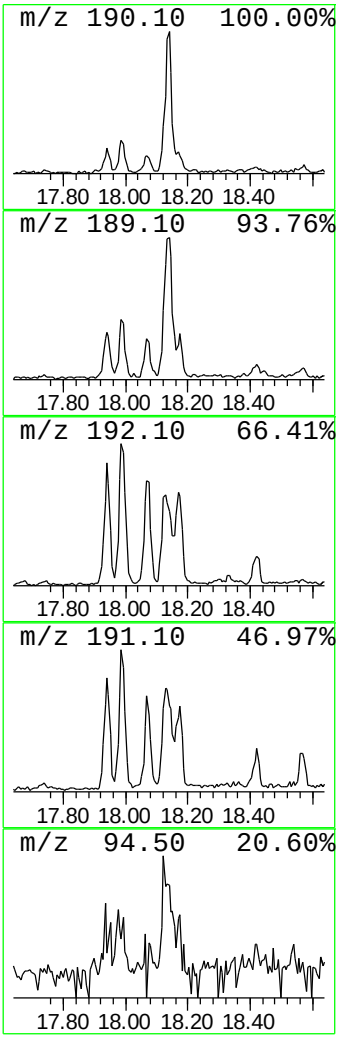
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	2.34 ng/ul	525792	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	35





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
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Acq On : 16 Dec 2017 07:02
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Sample : I6776-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A48

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

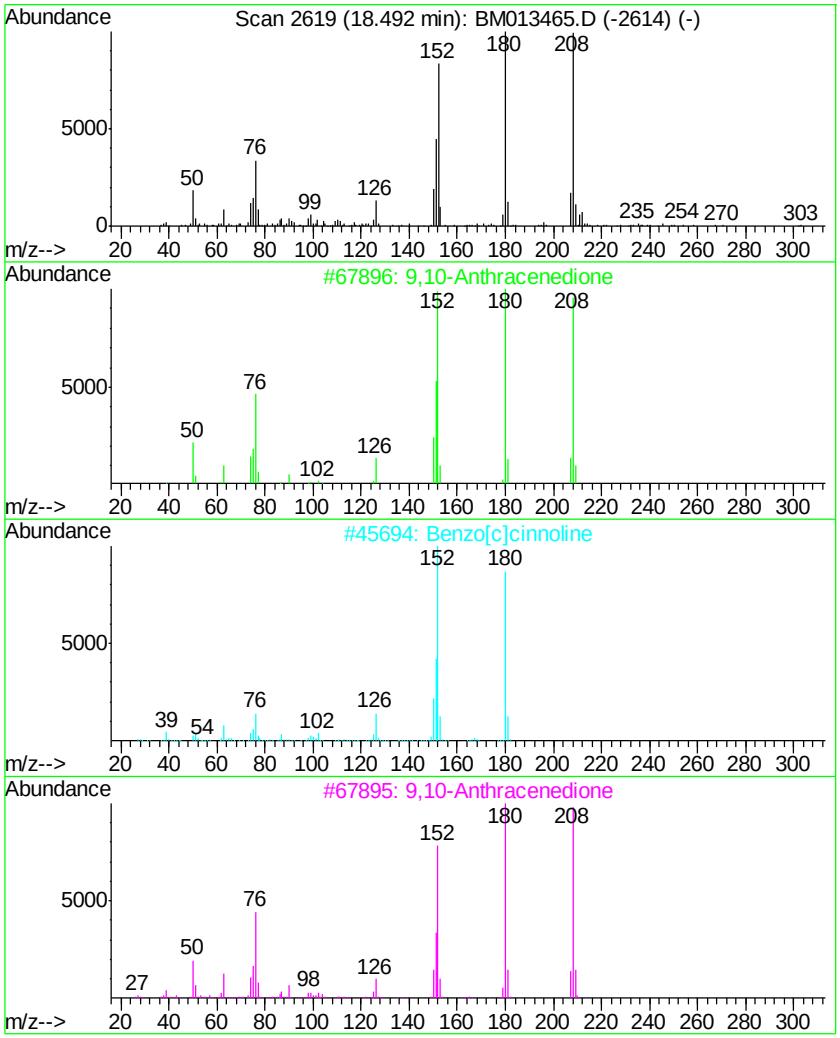
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

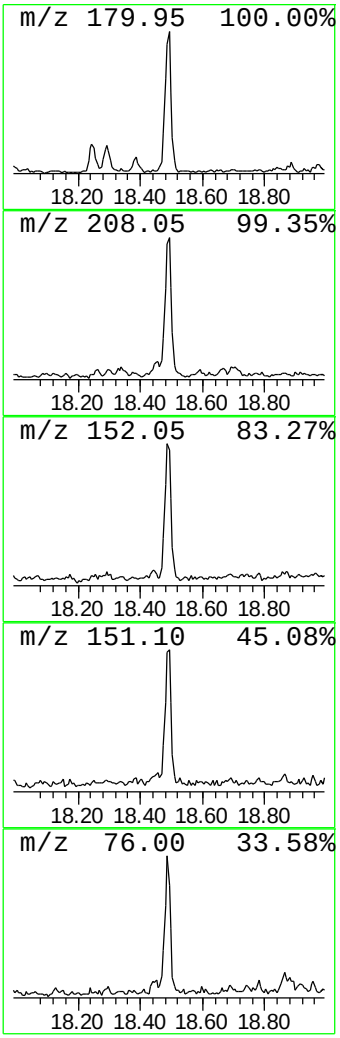
****

Peak Number 4 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	2.34 ng/ul	524677	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83





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Acq On : 16 Dec 2017 07:02
Operator : SJ/JU
Sample : I6776-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A48

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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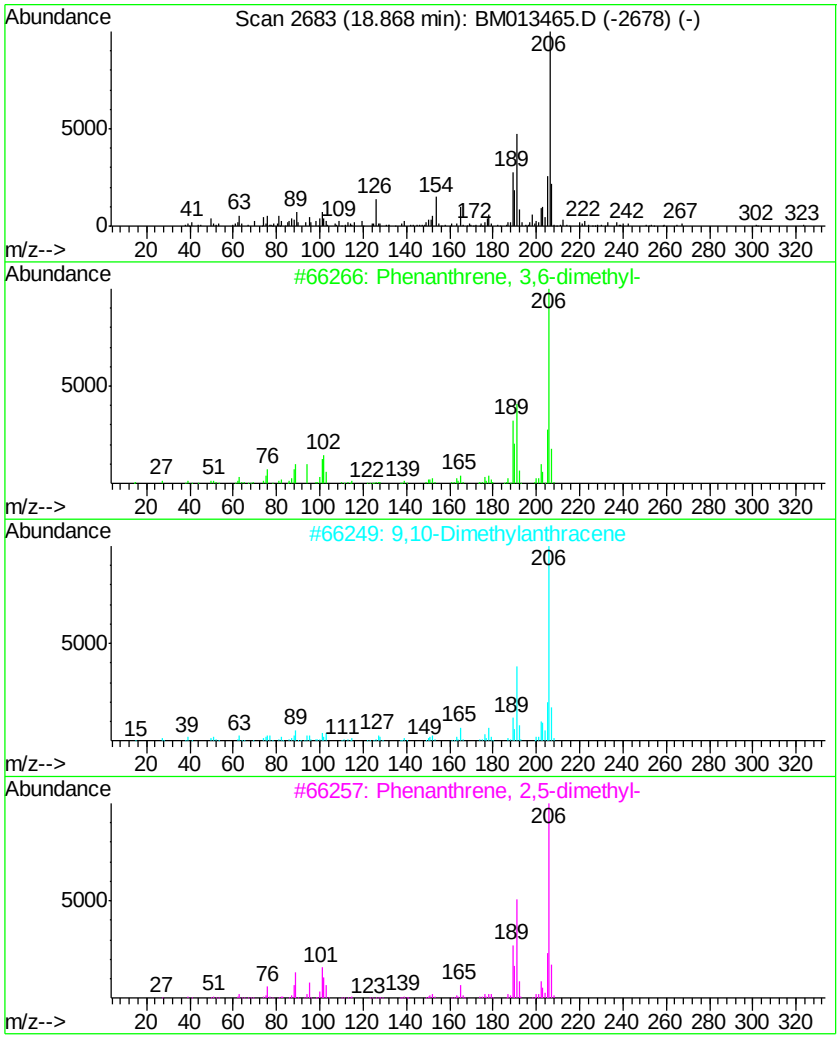
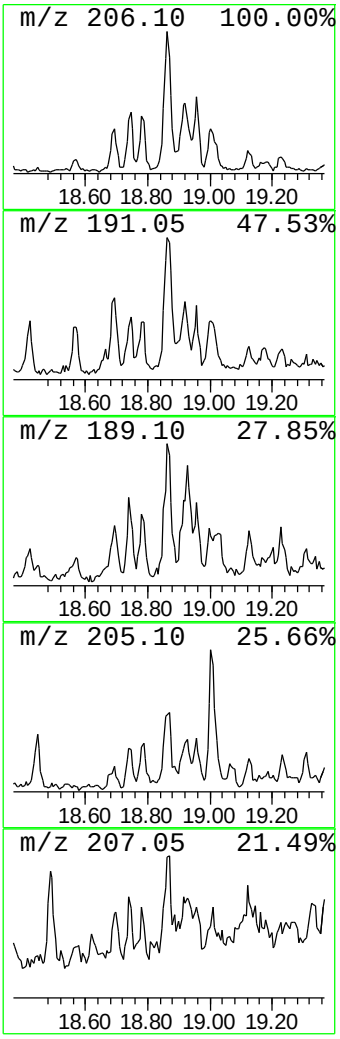
Peak Number 5 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.17 ng/ul	487542	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013465.D
Acq On : 16 Dec 2017 07:02
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Sample : I6776-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A48

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

TIC Library : C:\DATABASE\NIST11.L
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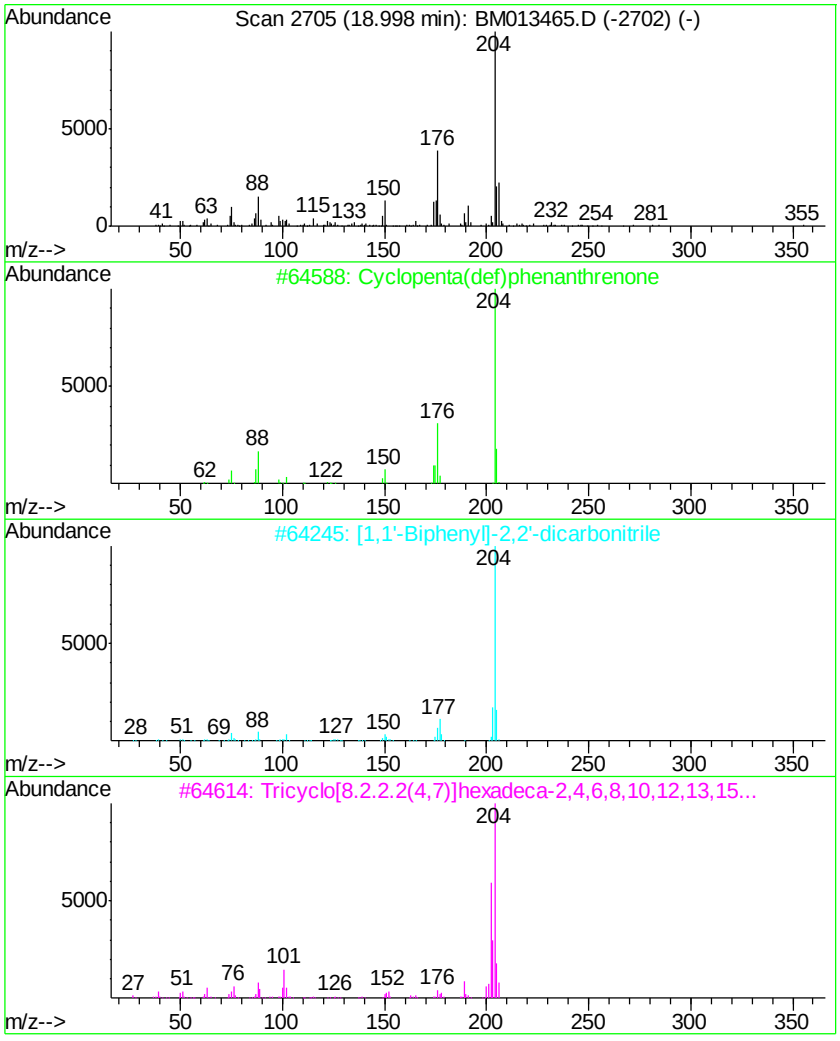
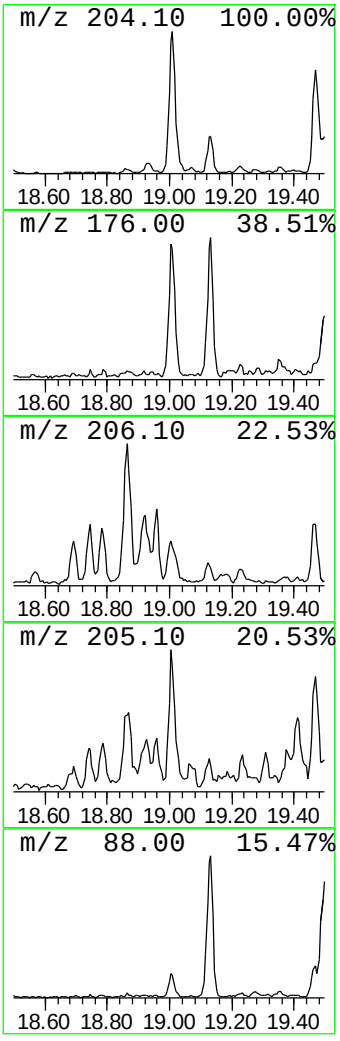
Peak Number 6 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	3.14 ng/ul	704043	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46





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Sample : I6776-19
Misc :
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Instrument : BNA_M
ClientSampleId : F9A48

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Quant Title : SVOA CALIBRATION

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

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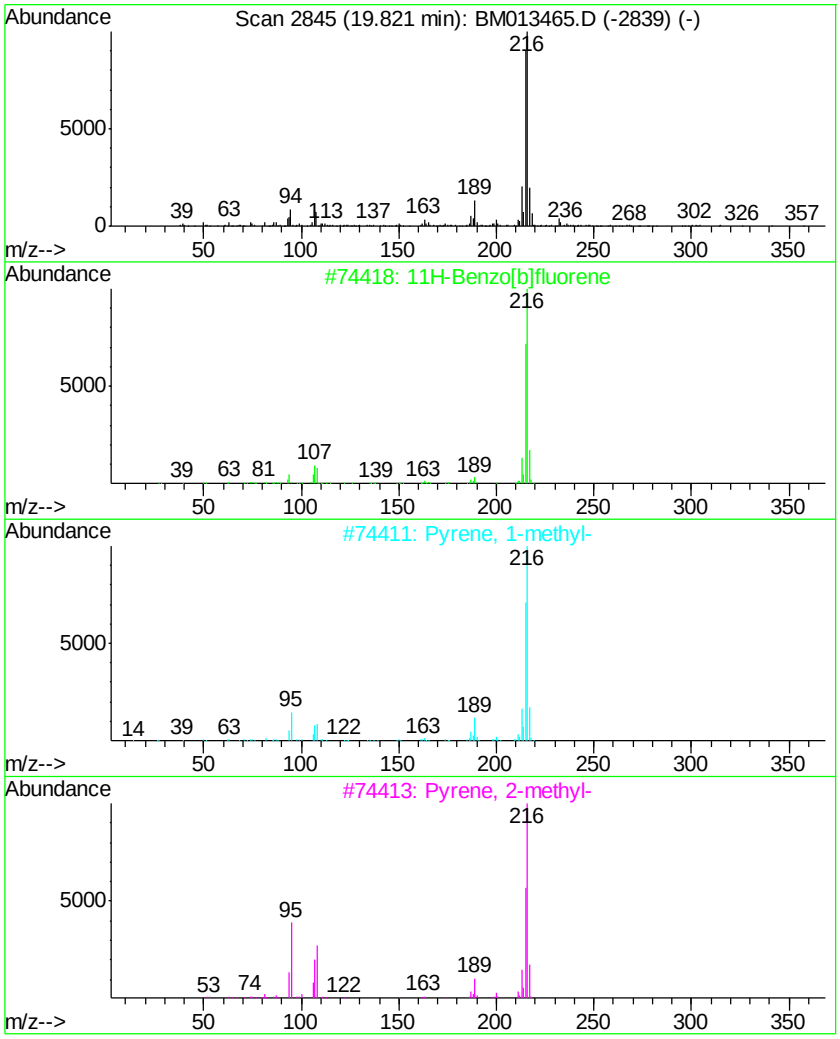
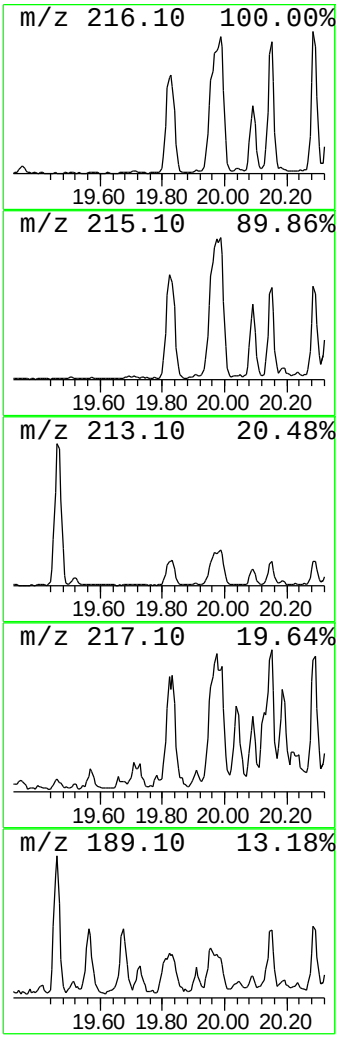
Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	3.19 ng/ul	1513480	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Quant Title : SVOA CALIBRATION

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

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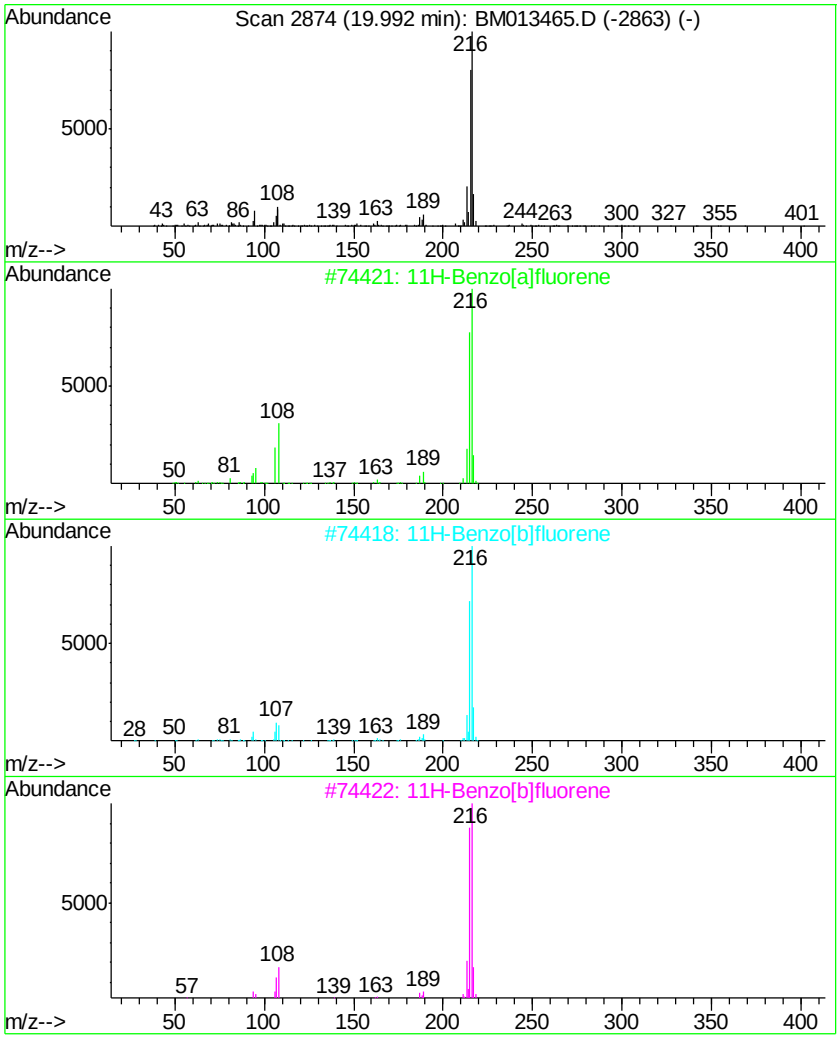
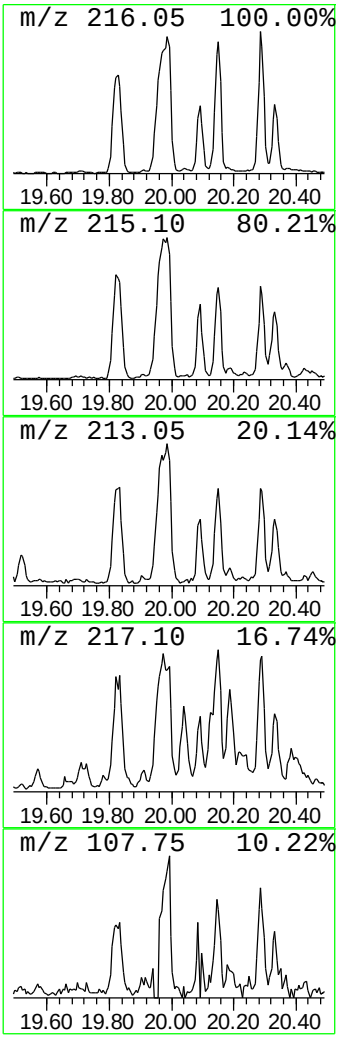
Peak Number 8 11H-Benzo[a]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	4.91 ng/ul	2331360	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





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Quant Title : SVOA CALIBRATION

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

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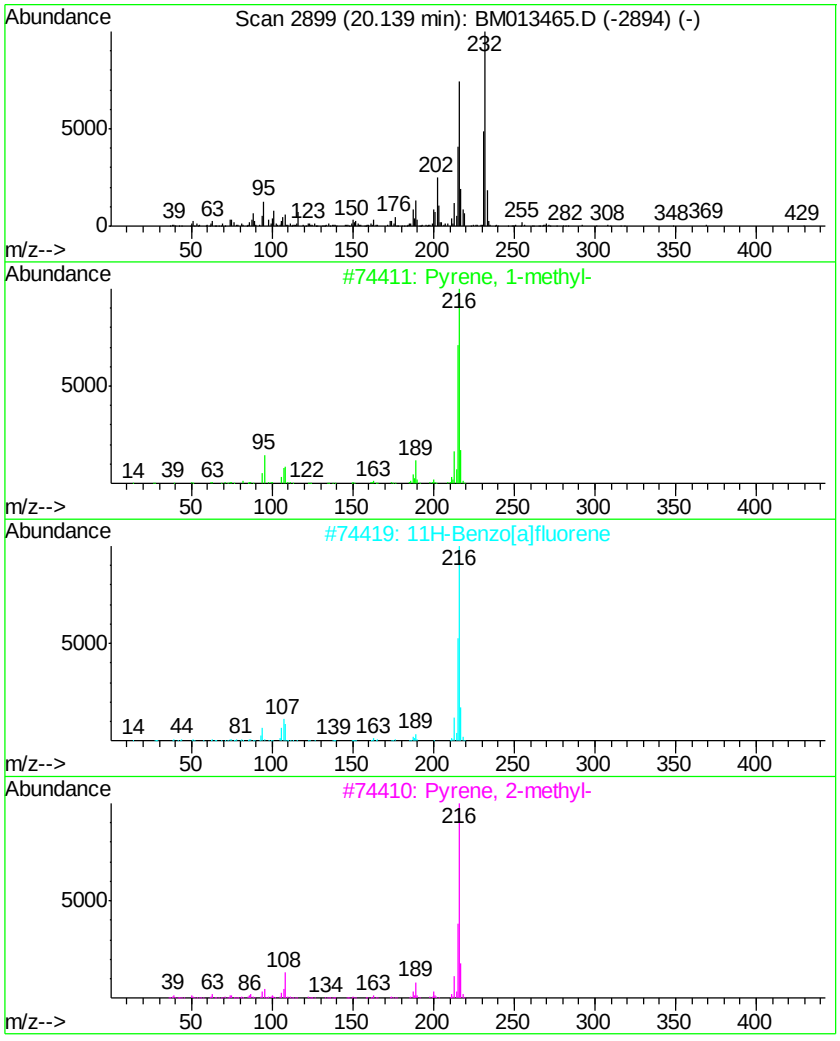
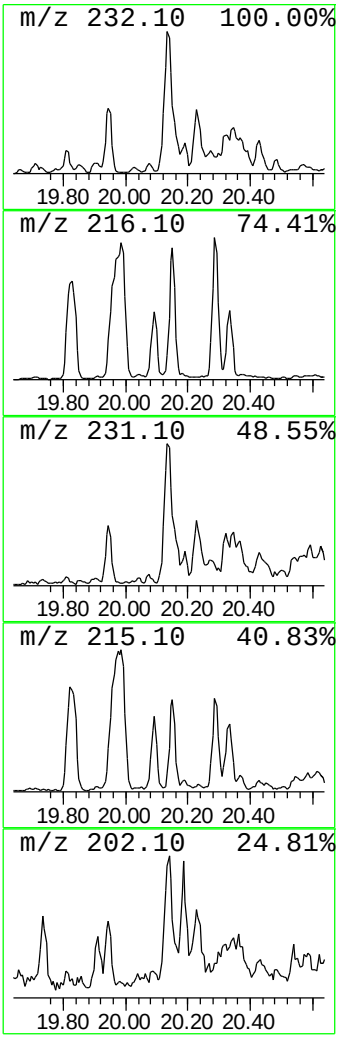
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	3.18 ng/ul	1508490	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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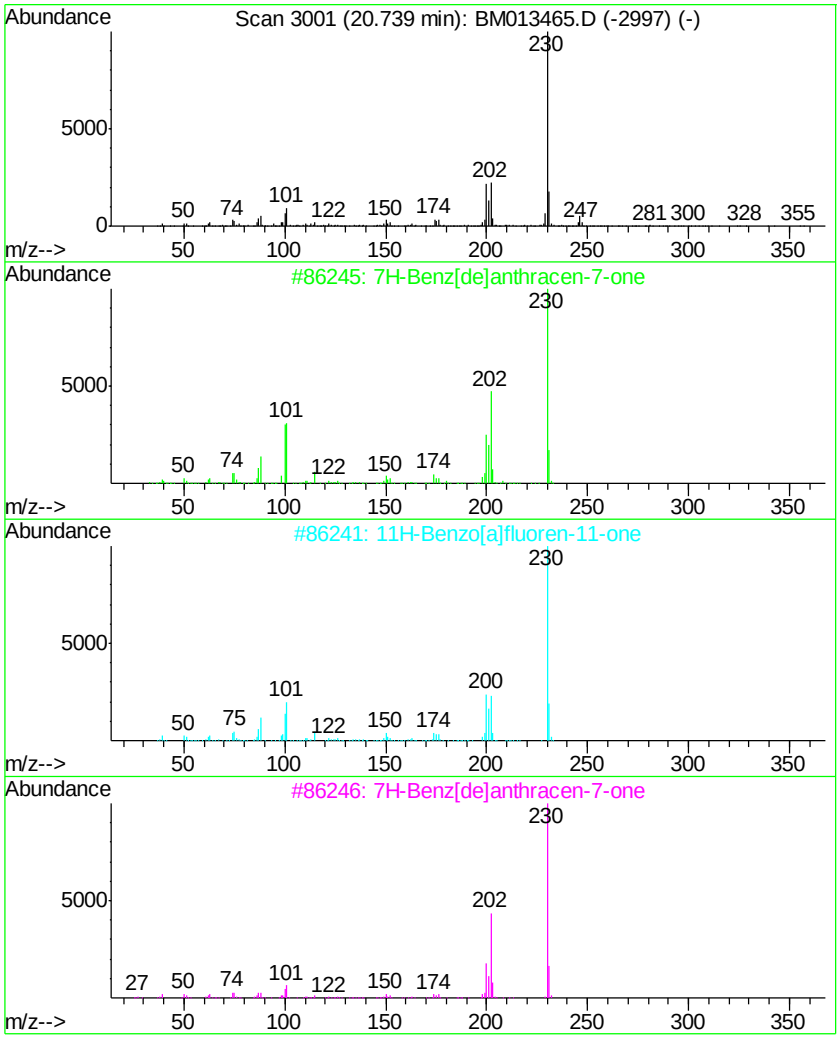
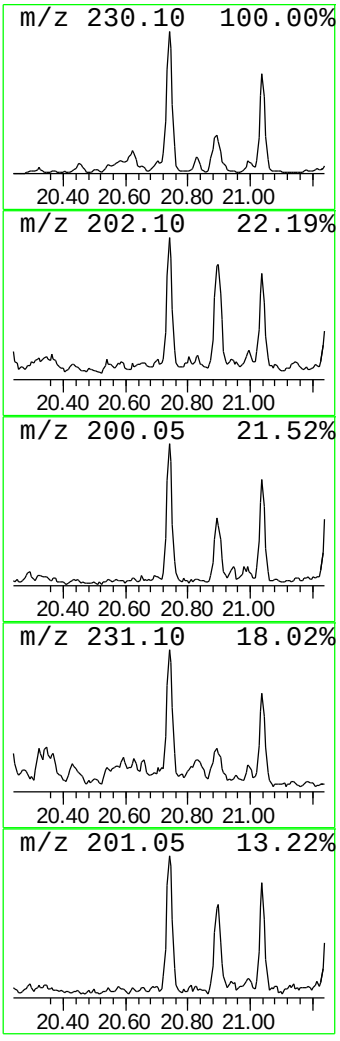
Peak Number 10 7H-Benz[de]anthracen-7-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	3.17 ng/ul	1504980	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	83
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72





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Quant Title : SVOA CALIBRATION

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

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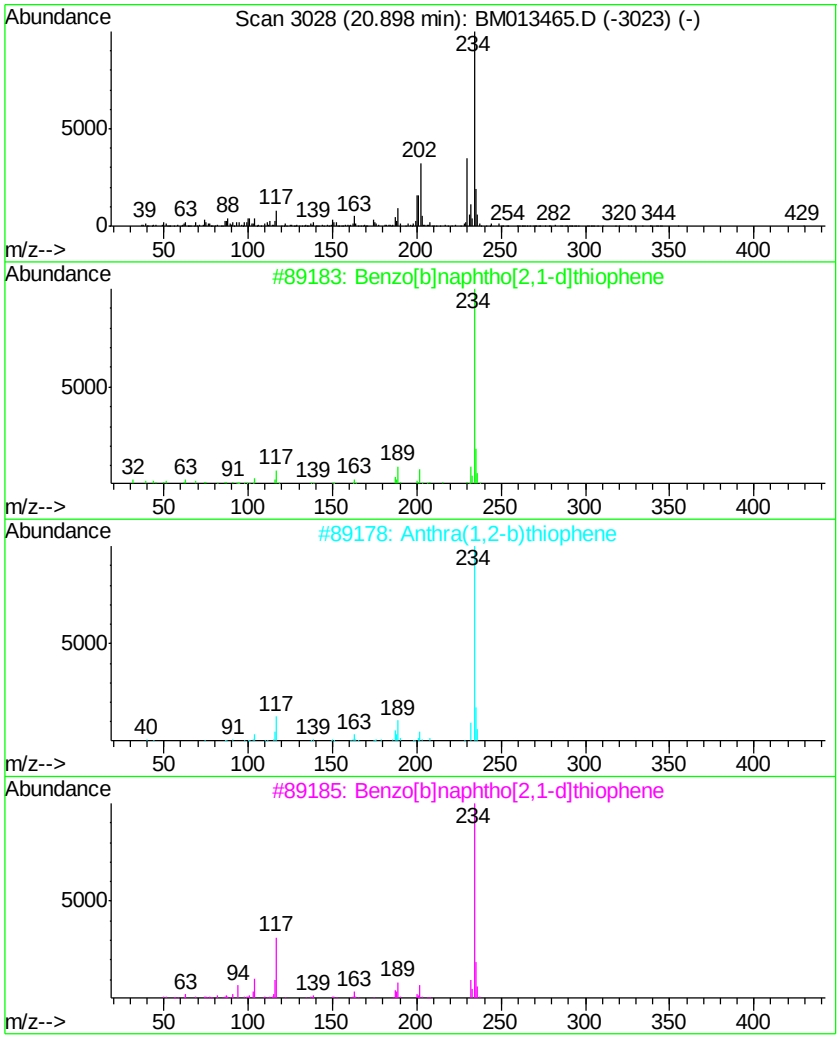
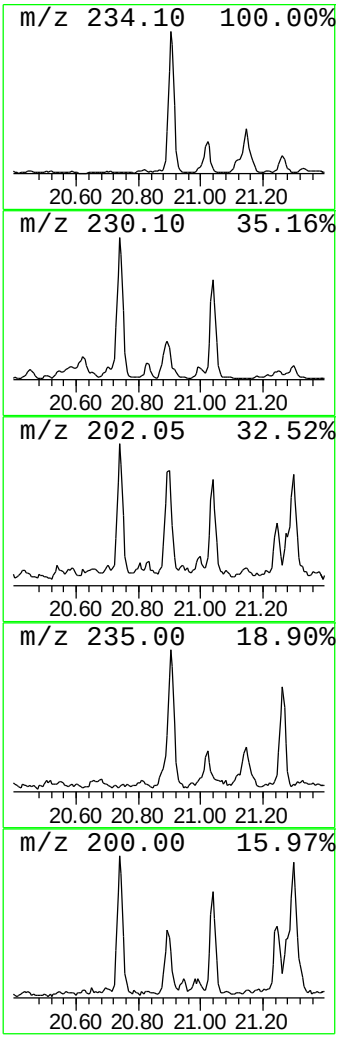
Peak Number 11 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	3.04 ng/ul	1442540	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	87
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87





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Quant Title : SVOA CALIBRATION

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

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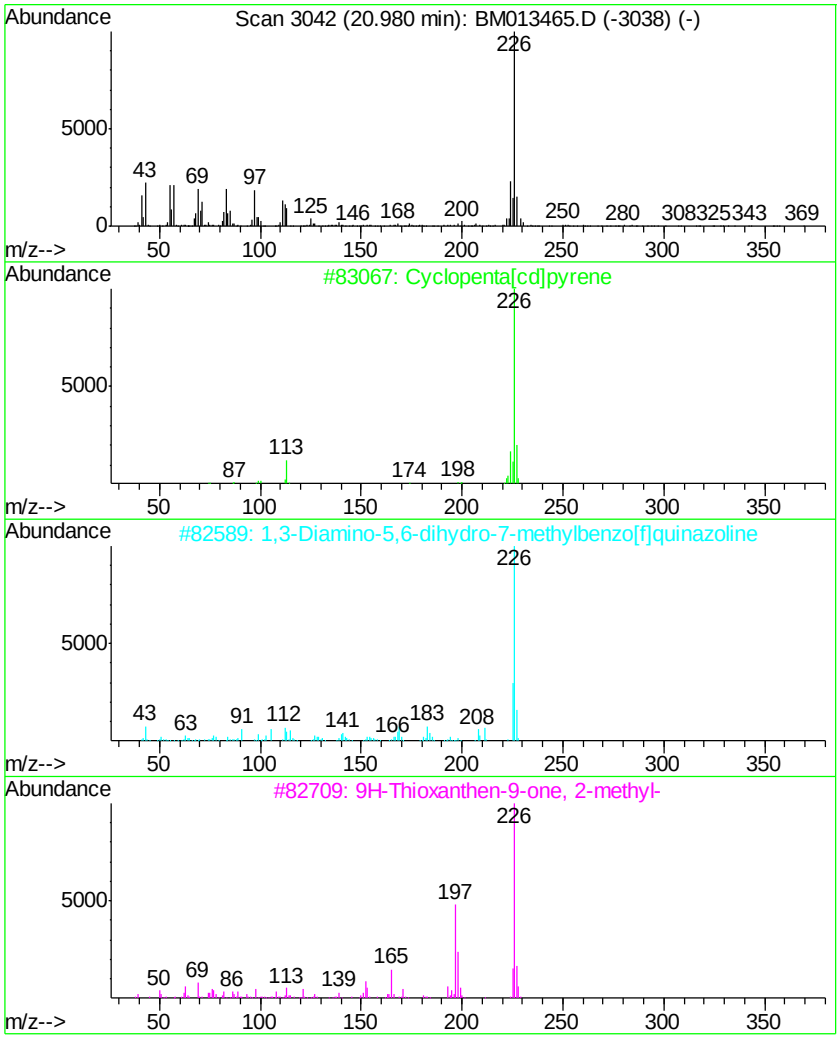
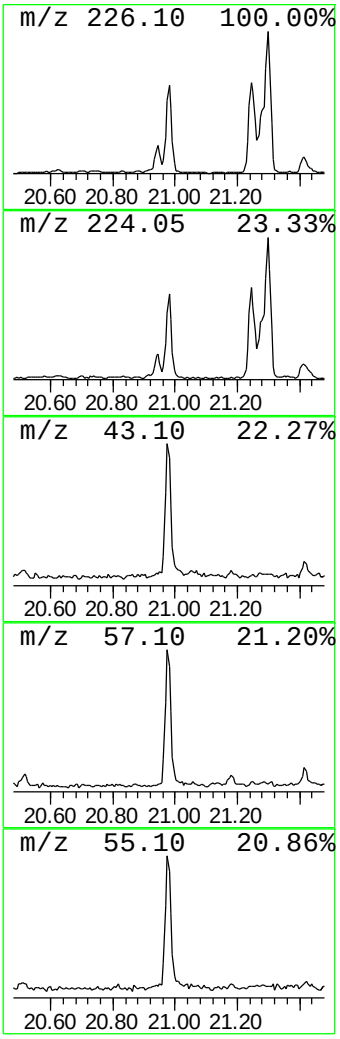
Peak Number 12 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	4.76 ng/ul	2262180	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
2	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	47
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	47
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	43
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	38





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Quant Title : SVOA CALIBRATION

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

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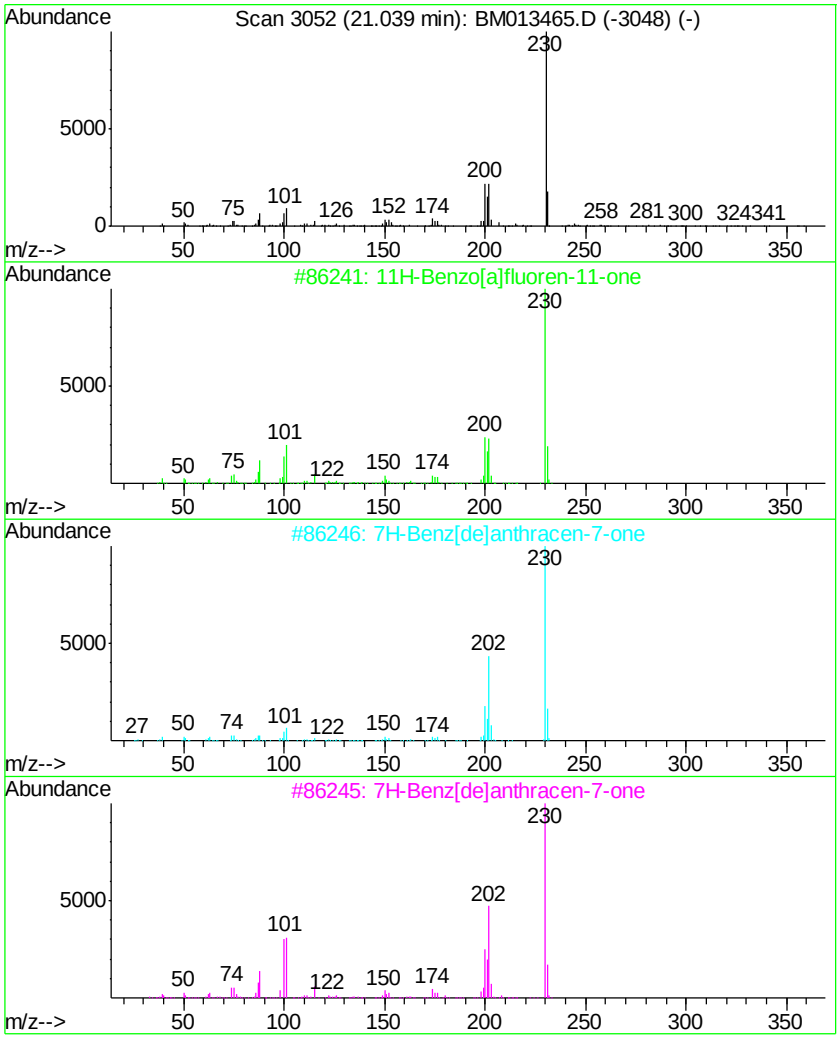
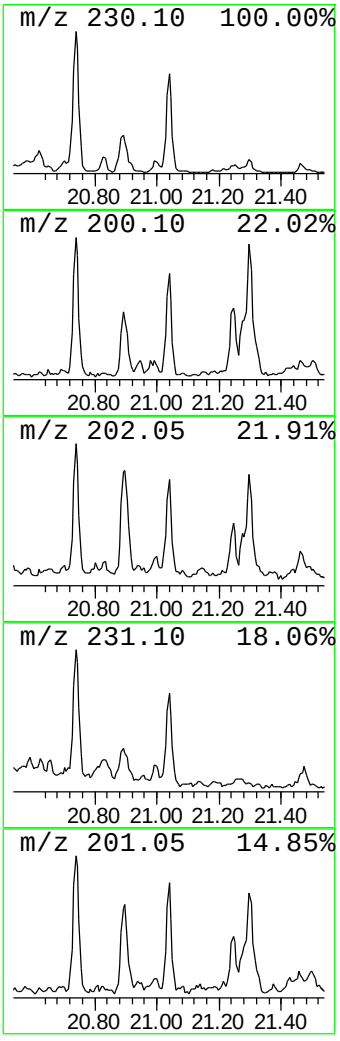
Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.04	2.38 ng/ul	1128640	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	80
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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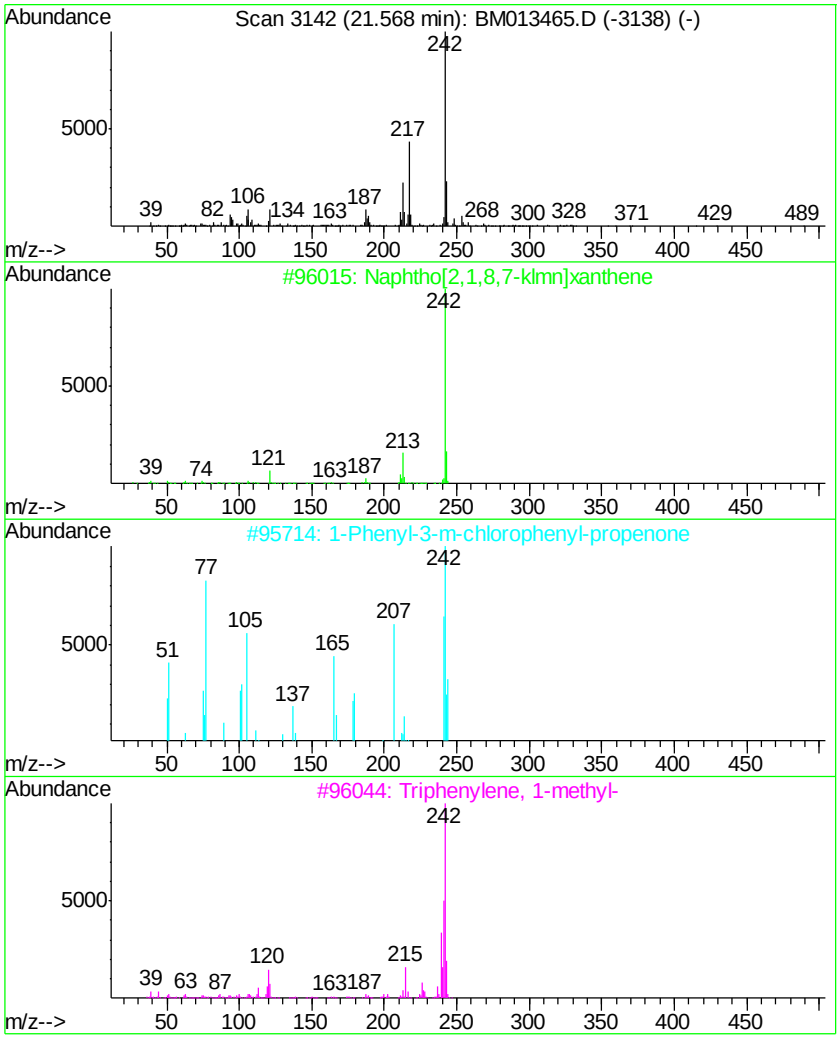
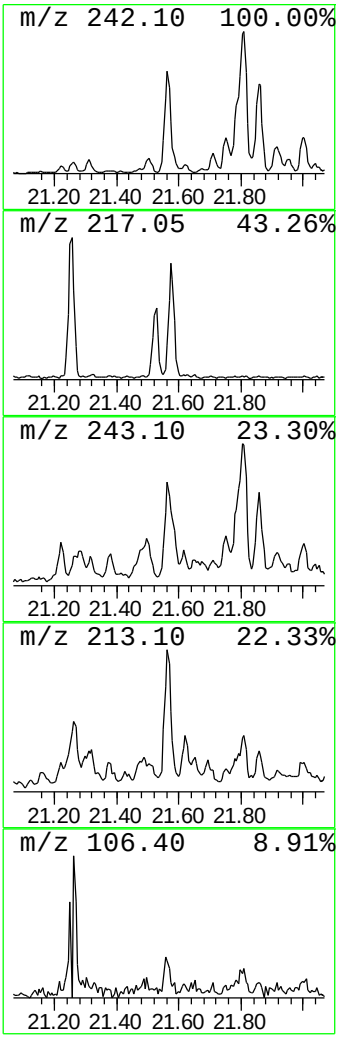
Peak Number 14 Naphtho[2,1,8,7-klmn]xanthene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.57	2.01 ng/ul	952730	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	64
2	1-Phenyl-3-m-chlorophenyl-propenone	242	C15H11ClO	1000148-13-7	43
3	Triphenylene, 1-methyl-	242	C19H14	002871-91-2	43
4	Chrysene, 3-methyl-	242	C19H14	003351-31-3	38
5	Benz[a]anthracene, 9-methyl-	242	C19H14	002381-16-0	38





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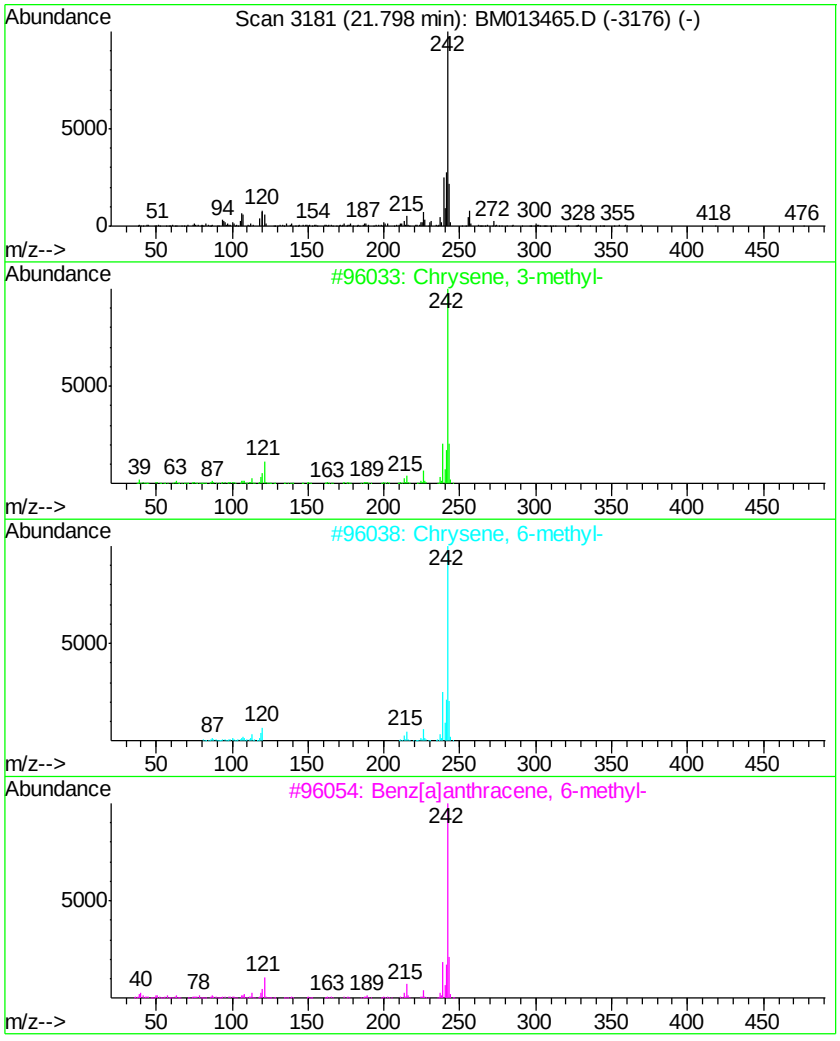
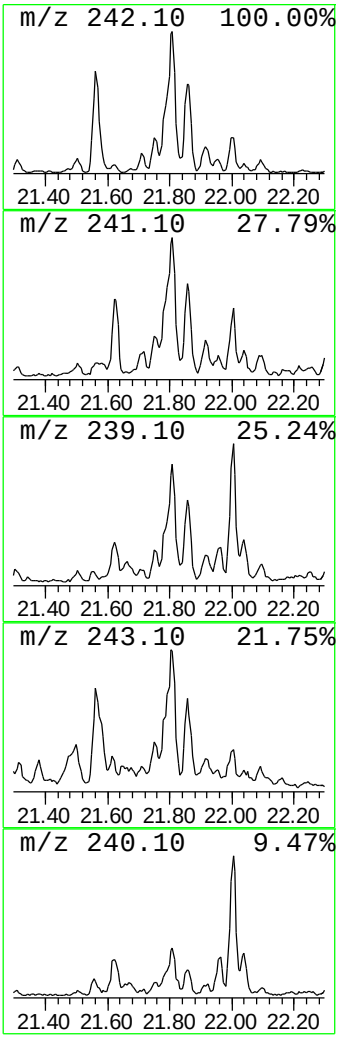
Peak Number 15 Chrysene, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.80	2.87 ng/ul	1364840	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 3-methyl-	242	C19H14	003351-31-3	93
2	Chrysene, 6-methyl-	242	C19H14	001705-85-7	92
3	Benz[a]anthracene, 6-methyl-	242	C19H14	000316-14-3	90
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90





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Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

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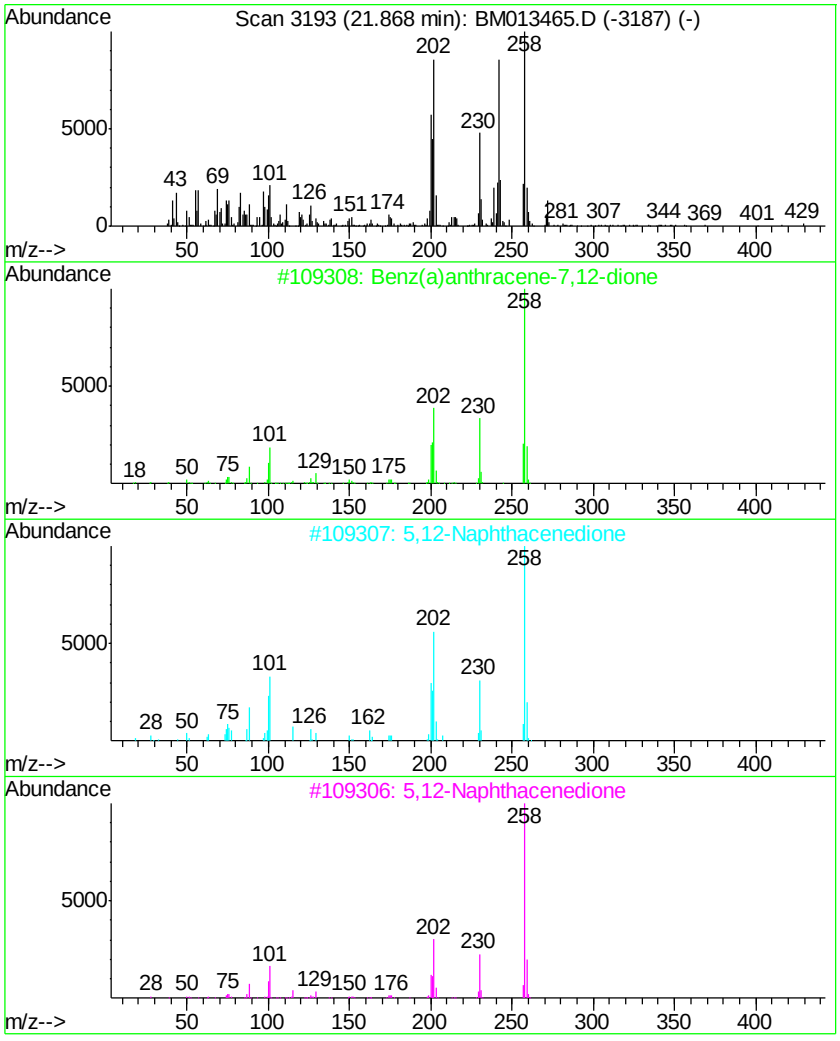
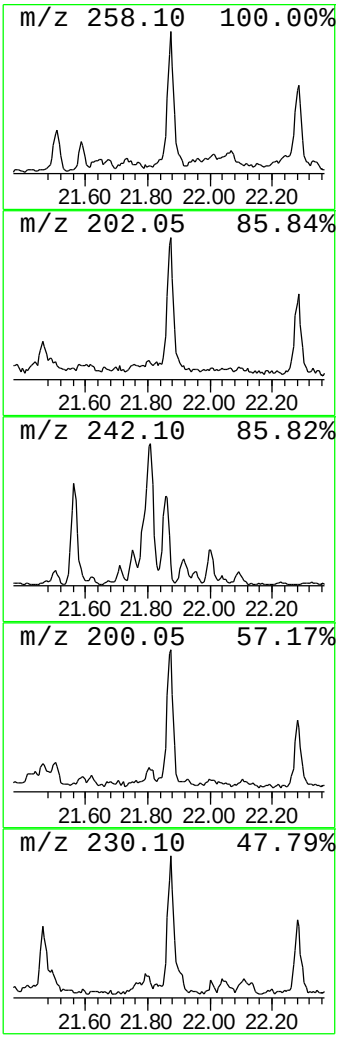
Peak Number 16 Benz(a)anthracene-7,12-dione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	3.44 ng/ul	1634630	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	86
3	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	83
4	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	78
5	Benz[a]anthracene, 9-methyl-	242	C19H14	002381-16-0	41





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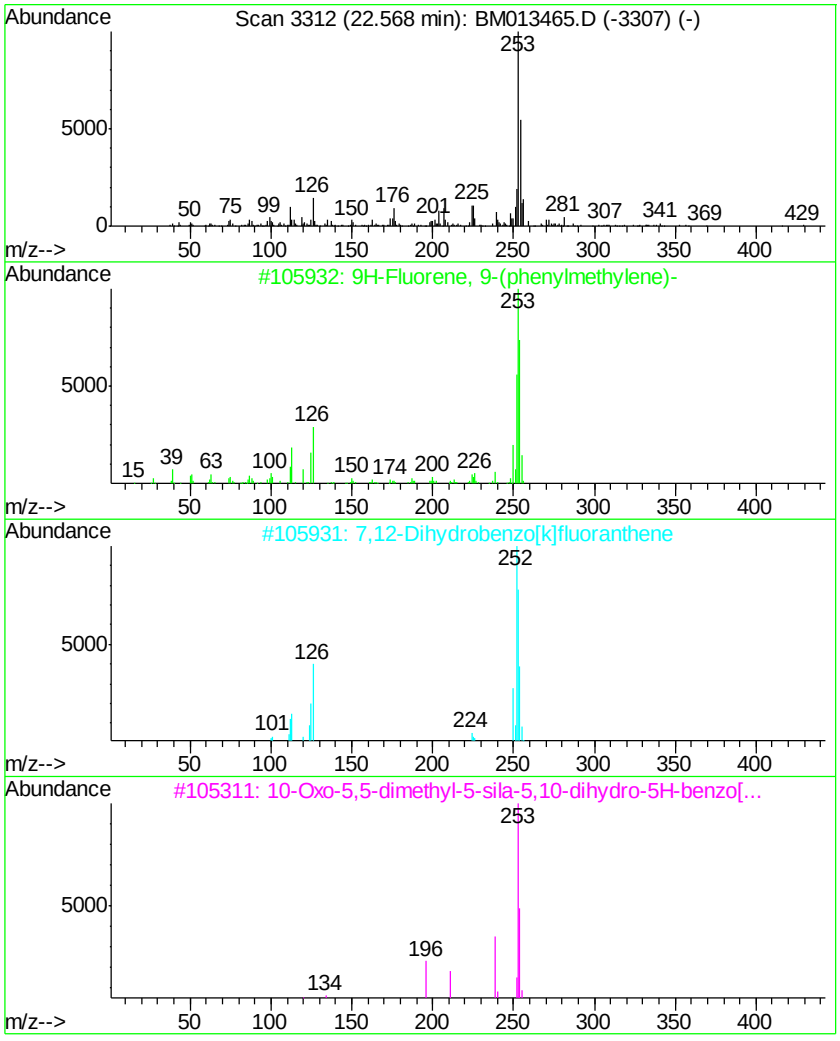
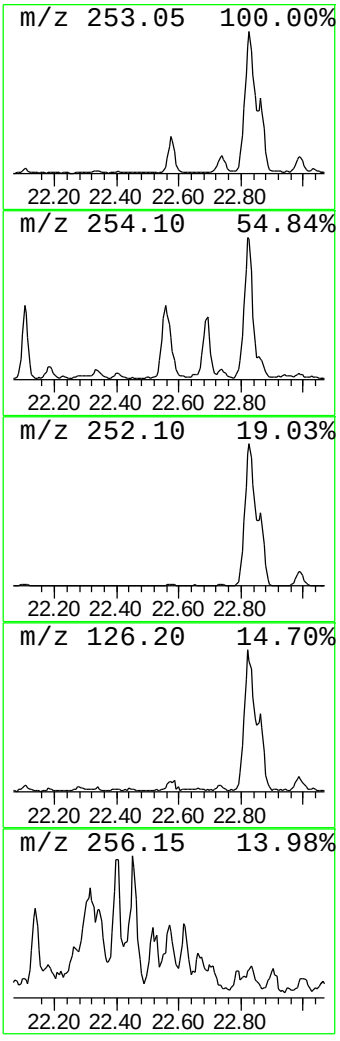
Peak Number 17 9H-Fluorene, 9-(phenylmethy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.57	7.75 ng/ul	1097760	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	76
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	64
3	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	59
4	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	58
5	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	53





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013465.D
Acq On : 16 Dec 2017 07:02
Operator : SJ/JU
Sample : I6776-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A48

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

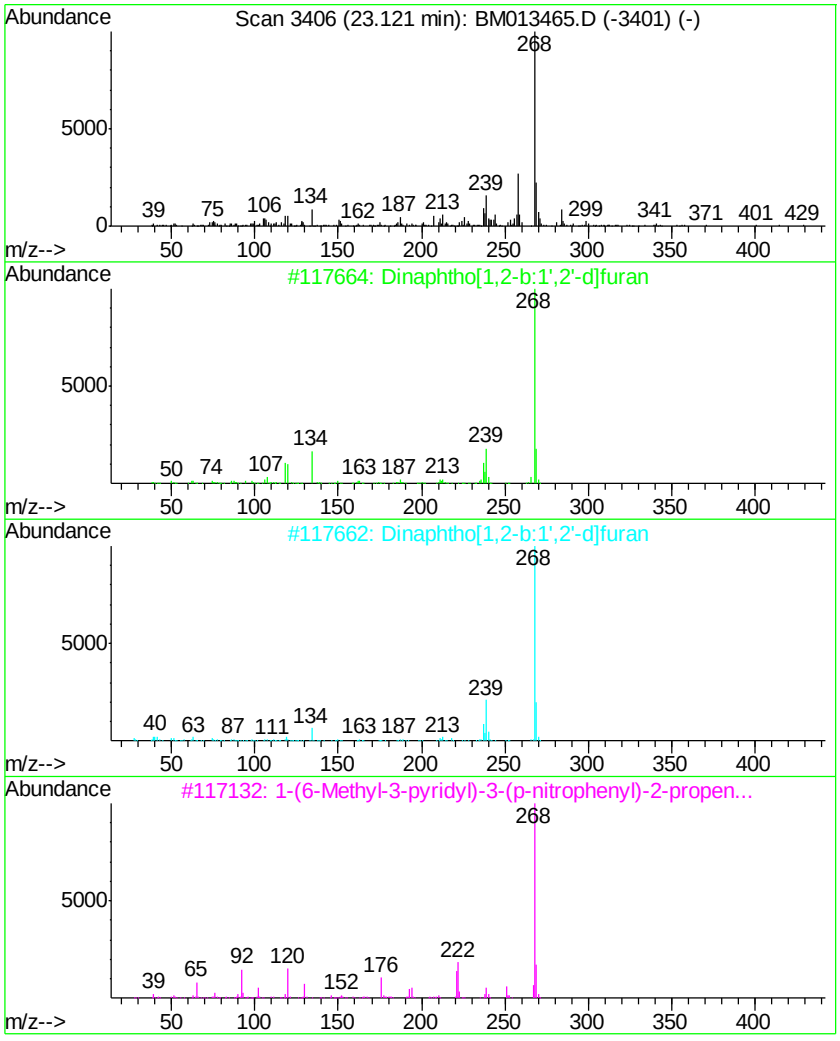
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

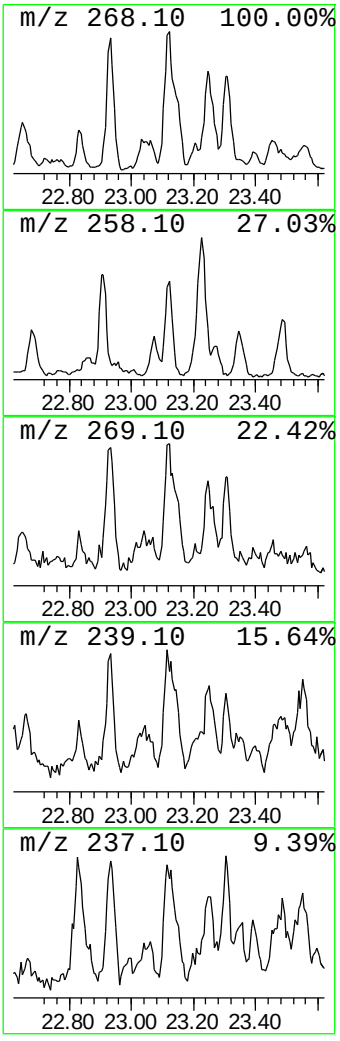
****

Peak Number 19 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.12	5.65 ng/ul	800194	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	74
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	59
3	1-(6-Methyl-3-pyridyl)-3-(p-nitr...	268	C15H12N2O3	004636-93-5	53
4	9,10-Dihydro-8-methylbenzo[a]pyrene	268	C21H16	089524-72-1	53
5	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013465.D
Acq On : 16 Dec 2017 07:02
Operator : SJ/JU
Sample : I6776-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A48

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

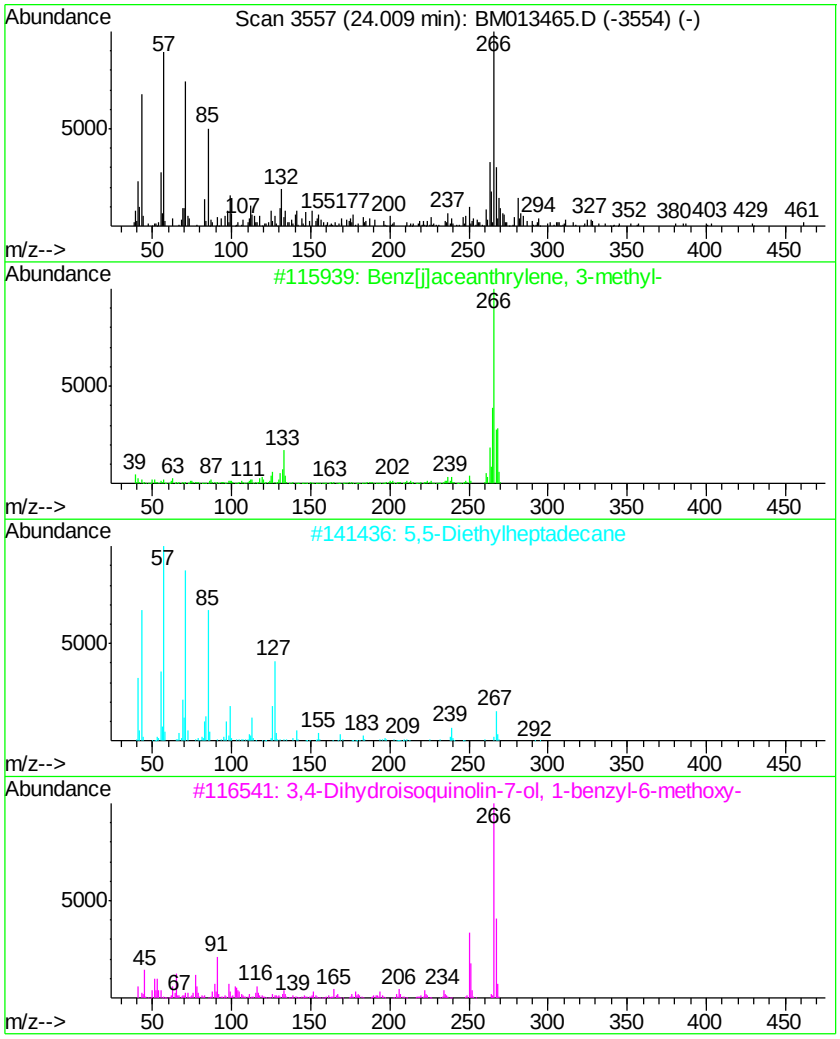
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

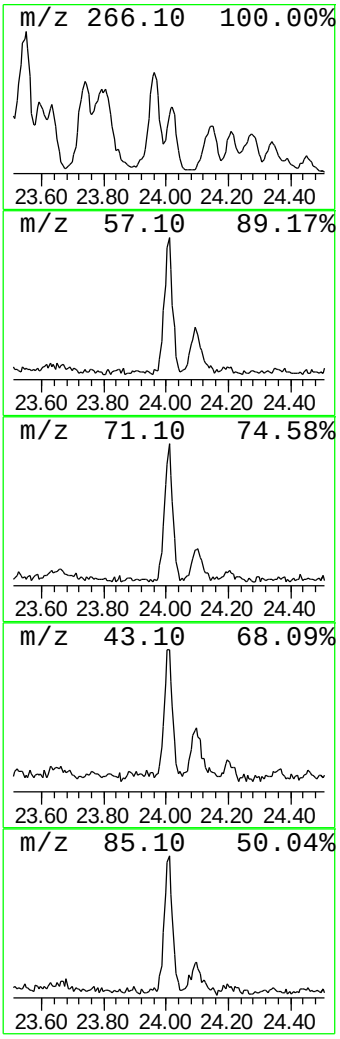
****

Peak Number 20 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.01	5.81 ng/ul	823059	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	38
2	5,5-Diethylheptadecane	296	C21H44	1000360-41-7	32
3	3,4-Dihydroisoquinolin-7-ol, 1-b...	267	C17H17NO2	073154-46-8	27
4	3-Chloro-6-methyl-11H-indolo[3,2...	282	C16H11ClN2O	1000212-76-7	27
5	Perylene, 3-methyl-	266	C21H14	024471-47-4	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013465.D
Acq On : 16 Dec 2017 07:02
Operator : SJ/JU
Sample : I6776-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A48

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
(DEL) Alkane: Str...	16.04	2.4	ng/ul	529831	4	17.07	4489580	20.0
n-Hexadecanoic acid	17.97	5.3	ng/ul	1194780	4	17.07	4489580	20.0
4H-Cyclopenta[def...	18.14	2.3	ng/ul	525792	4	17.07	4489580	20.0
9,10-Anthracenedione	18.49	2.3	ng/ul	524677	4	17.07	4489580	20.0
Phenanthrene, 3,6...	18.87	2.2	ng/ul	487542	4	17.07	4489580	20.0
Cyclopenta(def)ph...	19.00	3.1	ng/ul	704043	4	17.07	4489580	20.0
11H-Benzo[b]fluorene	19.82	3.2	ng/ul	1513480	5	21.26	9498930	20.0
11H-Benzo[a]fluorene	19.99	4.9	ng/ul	2331360	5	21.26	9498930	20.0
Pyrene, 1-methyl-	20.14	3.2	ng/ul	1508490	5	21.26	9498930	20.0
7H-Benz[de]anthra...	20.74	3.2	ng/ul	1504980	5	21.26	9498930	20.0
Benzo[b]naphtho[2...	20.90	3.0	ng/ul	1442540	5	21.26	9498930	20.0
unknown-01	20.98	4.8	ng/ul	2262180	5	21.26	9498930	20.0
11H-Benzo[a]fluor...	21.04	2.4	ng/ul	1128640	5	21.26	9498930	20.0
Naphtho[2,1,8,7-k...	21.57	2.0	ng/ul	952730	5	21.26	9498930	20.0
Chrysene, 3-methyl-	21.80	2.9	ng/ul	1364840	5	21.26	9498930	20.0
Benz(a)anthracene...	21.87	3.4	ng/ul	1634630	5	21.26	9498930	20.0
9H-Fluorene, 9-(p...	22.57	7.8	ng/ul	1097760	6	23.49	2833190	20.0
Dinaphtho[1,2-b:1...	23.12	5.7	ng/ul	800194	6	23.49	2833190	20.0
unknown-02	24.01	5.8	ng/ul	823059	6	23.49	2833190	20.0