LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
Data File : BN001988.D
Acq On : 06 Jul 2018 14:04
Operator : JU/SJ
Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.022	3	6	21	rVB	580705	860107	1.79%	0.199%
2	6.887	654	663	672	rBV	379446	717142	1.49%	0.166%
3	7.052	685	691	697	rBV	324846	507594	1.05%	0.117%
4	7.246	718	724	732	rVB	404587	637814	1.33%	0.148%
5	7.710	794	803	811	rVB	2308718	3665774	7.62%	0.848%
6	8.410	911	922	929	rVV	431160	706743	1.47%	0.164%
7	8.852	992	997	1004	rVV	363303	614930	1.28%	0.142%
8	9.569	1111	1119	1127	rBV	303171	515422	1.07%	0.119%
9	10.104	1203	1210	1220	rVB	504813	884413	1.84%	0.205%
10	10.481	1264	1274	1279	rBV	3330658	5809228	12.07%	1.344%
11	10.534	1279	1283	1289	rVB	631832	1039542	2.16%	0.241%
12	12.146	1551	1557	1565	rVB	473571	781547	1.62%	0.181%
13	13.169	1724	1731	1736	rBV2	283912	478173	0.99%	0.111%
14	13.751	1825	1830	1834	rVV	870270	1244497	2.59%	0.288%
15	13.792	1834	1837	1841	rVV	372779	536963	1.12%	0.124%
16	14.028	1870	1877	1879	rBV	1042484	1601102	3.33%	0.370%
17	14.057	1879	1882	1889	rVB	1255239	1797743	3.74%	0.416%
18	14.339	1921	1930	1936	rVV2	4766236	7565169	15.72%	1.750%
19	14.404	1936	1941	1948	rVV	324572	552832	1.15%	0.128%
20	14.734	1992	1997	2007	rVB	682748	1094181	2.27%	0.253%
21	15.334	2093	2099	2104	rVV	1364329	2016975	4.19%	0.467%
22	15.387	2104	2108	2113	rVV	576046	829472	1.72%	0.192%
23	15.616	2138	2147	2154	rBV4	161404	425045	0.88%	0.098%
24	15.828	2180	2183	2192	rVB	274092	541872	1.13%	0.125%
25	16.063	2217	2223	2226	rBV5	511637	1029341	2.14%	0.238%
26	16.092	2226	2228	2233	rVB	560997	732460	1.52%	0.169%
27	16.739	2333	2338	2345	rVB	928100	1376299	2.86%	0.318%
28	16.904	2362	2366	2375	rVB2	296191	592783	1.23%	0.137%
29	16.998	2377	2382	2388	rBV	757346	1026814	2.13%	0.238%
30	17.086	2390	2397	2400	rBV	5621560	8365180	17.38%	1.935%
31	17.128	2400	2404	2409	rVB	4063901	5590728	11.62%	1.294%
32	17.181	2409	2413	2415	rBV2	1308172	1855178	3.86%	0.429%
33	17.216	2415	2419	2425	rVB	12609792	18444835	38.33%	4.268%
34	17.275	2425	2429	2436	rVB	410786	651928	1.35%	0.151%

LSC Area Percent Report

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Acq On : 06 Jul 2018 14:04
Operator : JU/SJ
Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Title : SVOA CALIBRATION

35	17.486	2456	2465	2470	rBV	6967090	10024094	20.83%	2.319%
36	17.604	2481	2485	2491	rVB3	436527	627880	1.30%	0.145%
37	17.957	2541	2545	2548	rVV	390736	584144	1.21%	0.135%
38	18.004	2548	2553	2560	rVB2	836458	1562141	3.25%	0.361%
39	18.086	2562	2567	2572	rVV	1255571	1787788	3.72%	0.414%
40	18.151	2573	2578	2582	rVV2	1027745	1913858	3.98%	0.443%
41	18.192	2582	2585	2591	rVB	485166	675218	1.40%	0.156%
42	18.263	2592	2597	2600	rBV	508667	890197	1.85%	0.206%
43	18.304	2600	2604	2608	rVV3	545723	1185285	2.46%	0.274%
44	18.351	2608	2612	2617	rVB	1362116	1986706	4.13%	0.460%
45	18.463	2627	2631	2633	rBV	411730	511127	1.06%	0.118%
46	18.504	2633	2638	2643	rVB	3736851	5080319	10.56%	1.175%
47	18.804	2685	2689	2693	rVB	430114	568685	1.18%	0.132%
48	18.886	2698	2703	2707	rBV2	905190	1438568	2.99%	0.333%
49	18.933	2707	2711	2716	rBV3	485500	942837	1.96%	0.218%
50	19.022	2721	2726	2737	rVB	1891893	3013498	6.26%	0.697%
51	19.151	2742	2748	2755	rVB	19149227	26704162	55.50%	6.178%
52	19.245	2762	2764	2768	rVB3	395181	433962	0.90%	0.100%
53	19.298	2769	2773	2777	rVB2	491755	722048	1.50%	0.167%
54	19.345	2777	2781	2784	rBV	455809	721354	1.50%	0.167%
55	19.392	2786	2789	2792	rVB	559115	672200	1.40%	0.156%
56	19.486	2799	2805	2806	rBV2	4014187	5795310	12.04%	1.341%
57	19.516	2806	2810	2817	rVV	18487713	26921586	55.95%	6.229%
58	19.586	2818	2822	2828	rVB2	856055	1577414	3.28%	0.365%
59	19.692	2836	2840	2845	rBV	1021402	1463380	3.04%	0.339%
60	19.751	2846	2850	2855	rVB2	1166700	1837064	3.82%	0.425%
61	19.845	2858	2866	2871	rBV3	2334674	6172899	12.83%	1.428%
62	19.980	2883	2889	2892	rBV5	2102701	4728064	9.83%	1.094%
63	20.057	2898	2902	2905	rBV2	424383	623433	1.30%	0.144%
64	20.110	2907	2911	2914	rVV2	1040902	1307701	2.72%	0.303%
65	20.169	2914	2921	2925	rVV2	3028797	5299325	11.01%	1.226%
66	20.210	2926	2928	2931	rVB	584281	540582	1.12%	0.125%
67	20.251	2931	2935	2940	rVB	540260	752336	1.56%	0.174%
68	20.310	2941	2945	2949	rBV2	1809315	2611079	5.43%	0.604%
69	20.357	2949	2953	2957	rVB3	1137360	1790058	3.72%	0.414%
70	20.574	2985	2990	2993	rBV4	530597	1195206	2.48%	0.277%
71	20.674	3005	3007	3010	rVB2	469663	467051	0.97%	0.108%

LSC Area Percent Report

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Acq On : 06 Jul 2018 14:04
Operator : JU/SJ
Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Title : SVOA CALIBRATION

72	20.763	3018	3022	3028	rVB	3441513	4735418	9.84%	1.096%
73	20.927	3044	3050	3054	rBV2	2803222	5215508	10.84%	1.207%
74	20.969	3054	3057	3060	rVV2	2681297	3494091	7.26%	0.808%
75	21.004	3060	3063	3068	rVV2	3425274	5390781	11.20%	1.247%
76	21.057	3068	3072	3081	rVB2	2551784	4034938	8.39%	0.934%
77	21.274	3100	3109	3114	rBV3	12431127	27766364	57.70%	6.424%
78	21.321	3114	3117	3124	rVB	11561703	17110558	35.56%	3.959%
79	21.451	3134	3139	3143	rBV2	1210530	2400552	4.99%	0.555%
80	21.545	3151	3155	3159	rVB	2399602	3388529	7.04%	0.784%
81	21.592	3159	3163	3168	rBV2	1651329	2559880	5.32%	0.592%
82	21.645	3169	3172	3176	rVV2	970053	1211725	2.52%	0.280%
83	21.833	3198	3204	3208	rVB	2033226	3557398	7.39%	0.823%
84	21.892	3209	3214	3219	rVB2	2130892	3048737	6.34%	0.705%
85	22.033	3234	3238	3241	rBV	1214374	1723116	3.58%	0.399%
86	22.133	3251	3255	3259	rVB2	858782	1245835	2.59%	0.288%
87	22.304	3282	3284	3289	rVB	703312	877148	1.82%	0.203%
88	22.592	3328	3333	3345	rVB3	1351448	3942360	8.19%	0.912%
89	22.857	3371	3378	3383	rBV2	13089743	29871984	62.08%	6.911%
90	23.021	3401	3406	3417	rVB	1955261	3269350	6.79%	0.756%
91	23.157	3424	3429	3438	rBV	905297	2459971	5.11%	0.569%
92	23.333	3453	3459	3464	rBV	5443424	9977458	20.73%	2.308%
93	23.427	3469	3475	3481	rVB	6204527	11419686	23.73%	2.642%
94	23.521	3483	3491	3495	rBV	2899620	6113892	12.71%	1.415%
95	23.568	3495	3499	3507	rVB2	1959522	4230081	8.79%	0.979%
96	24.068	3578	3584	3593	rVB2	1839442	3874902	8.05%	0.897%
97	25.757	3863	3871	3885	rVB3	3321695	12042810	25.03%	2.786%
98	26.080	3914	3926	3938	rVB	15820926	48119692	100.00%	11.133%
99	26.439	3979	3987	4005	rVB2	1777282	6928862	14.40%	1.603%
100	27.092	4093	4098	4109	rVB	697637	1983629	4.12%	0.459%

Sum of corrected areas: 432213640

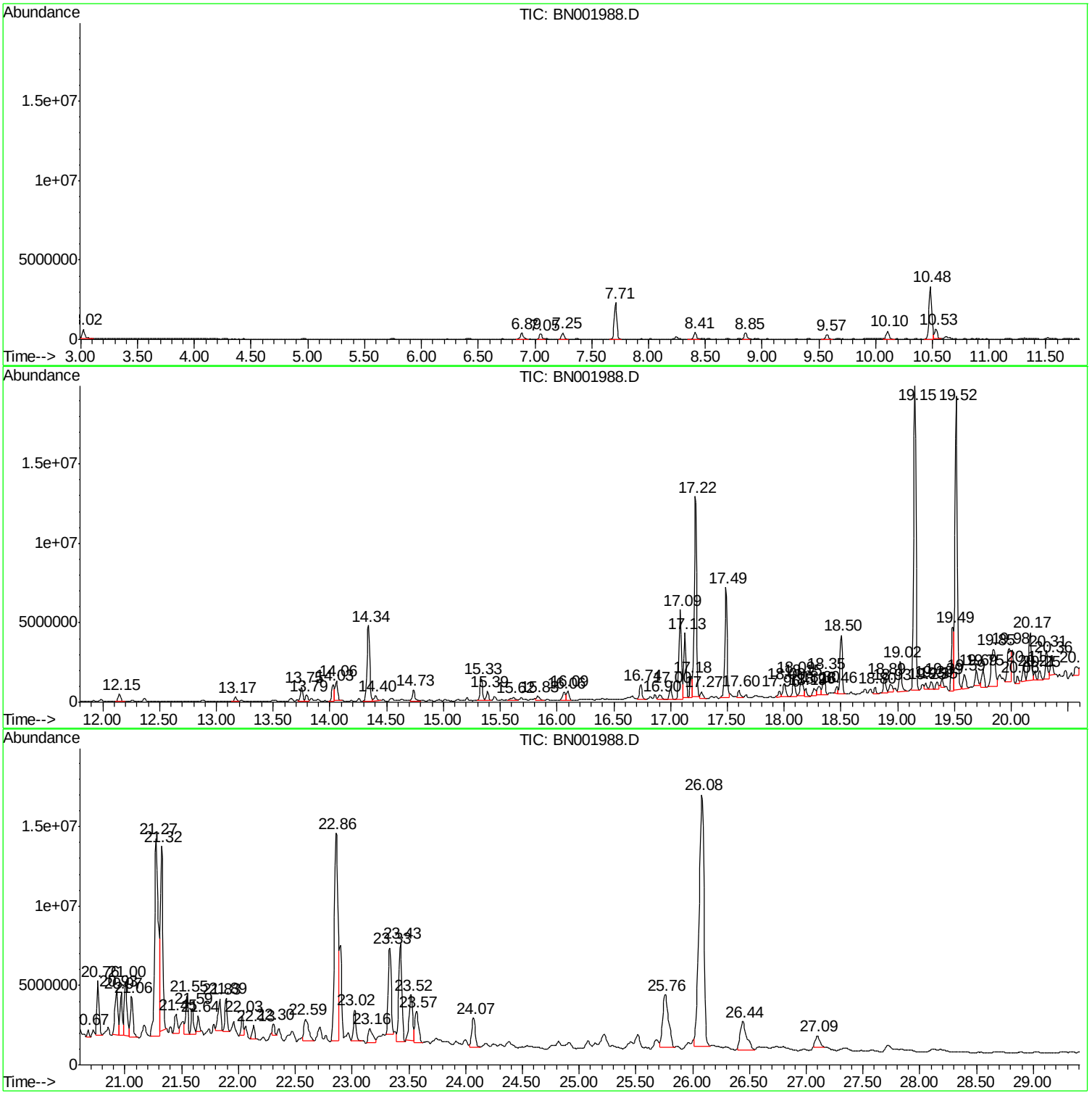
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
Data File : BN001988.D
Acq On : 06 Jul 2018 14:04
Operator : JU/SJ
Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
Data File : BN001988.D
Acq On : 06 Jul 2018 14:04
Operator : JU/SJ
Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

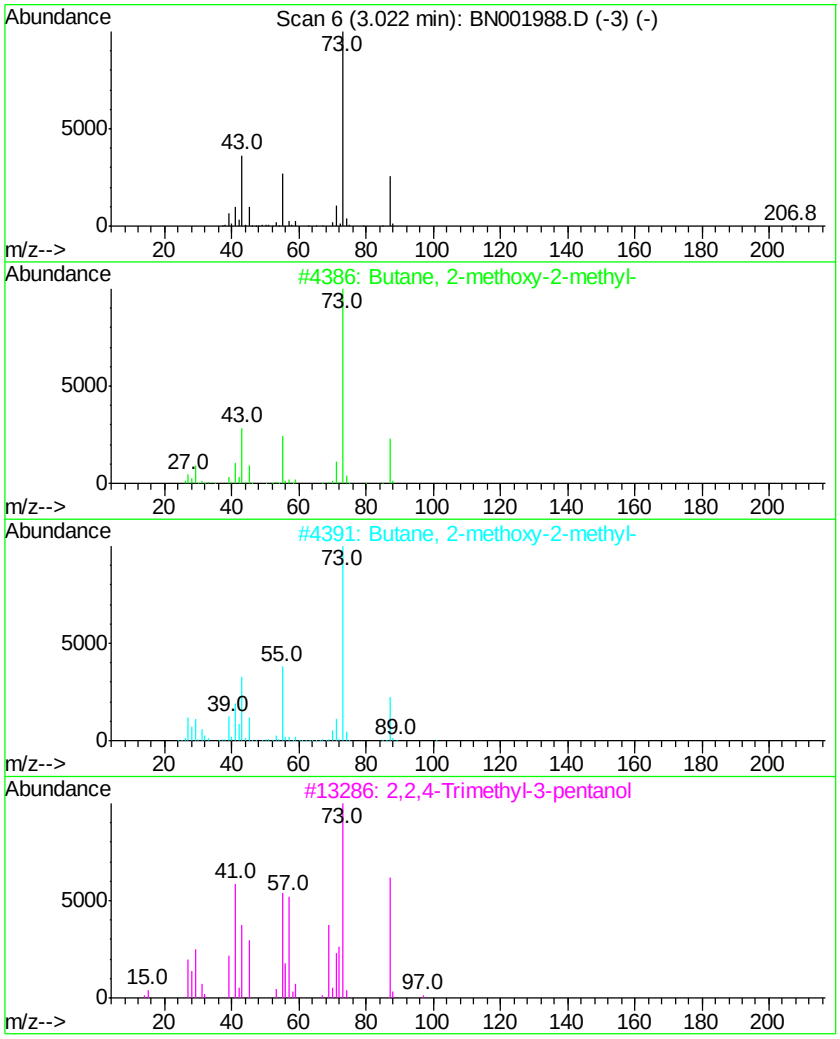
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

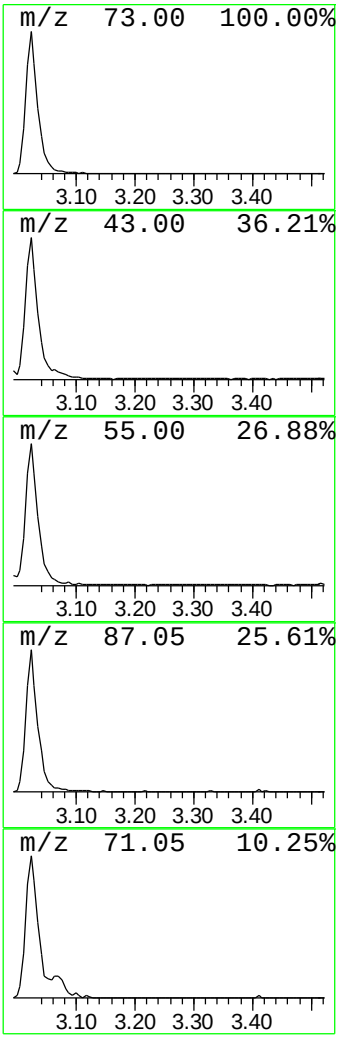
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	4.69 ng/ul	860107	1,4-Dichlorobenzene-d4	7.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
Data File : BN001988.D
Acq On : 06 Jul 2018 14:04
Operator : JU/SJ
Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

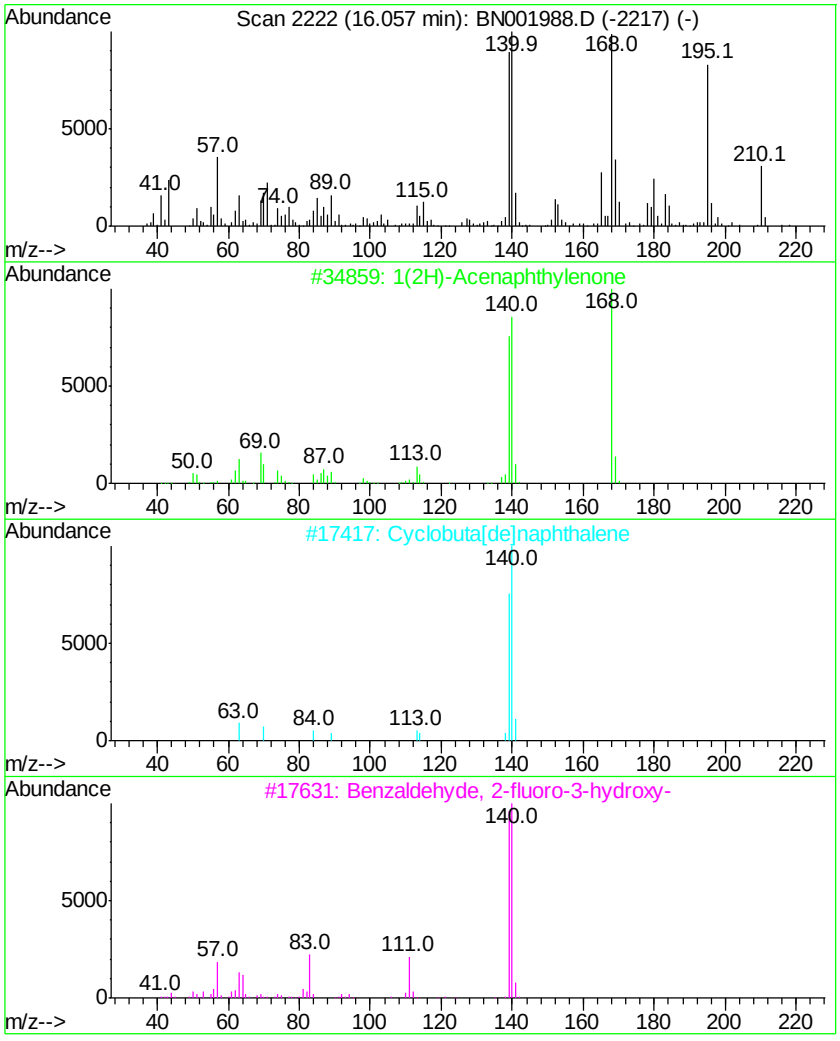
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

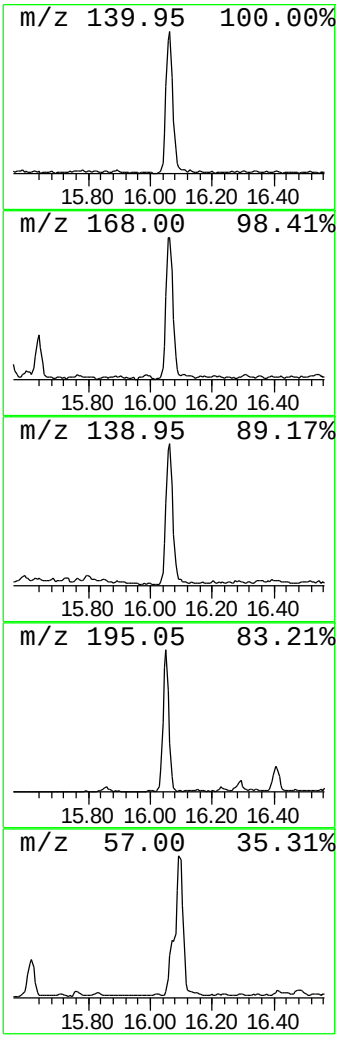
****

Peak Number 2 1(2H)-Acenaphthylenone Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	2.46 ng/ul	1029340	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	92
2	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	38
3	Benzaldehyde, 2-fluoro-3-hydroxy-	140	C7H5FO2	103438-86-4	35
4	Benzaldehyde, 2-fluoro-4-hydroxy-	140	C7H5FO2	000348-27-6	35
5	4H-Pyran-4-one, 2-ethyl-3-hydroxy-	140	C7H8O3	004940-11-8	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
Data File : BN001988.D
Acq On : 06 Jul 2018 14:04
Operator : JU/SJ
Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

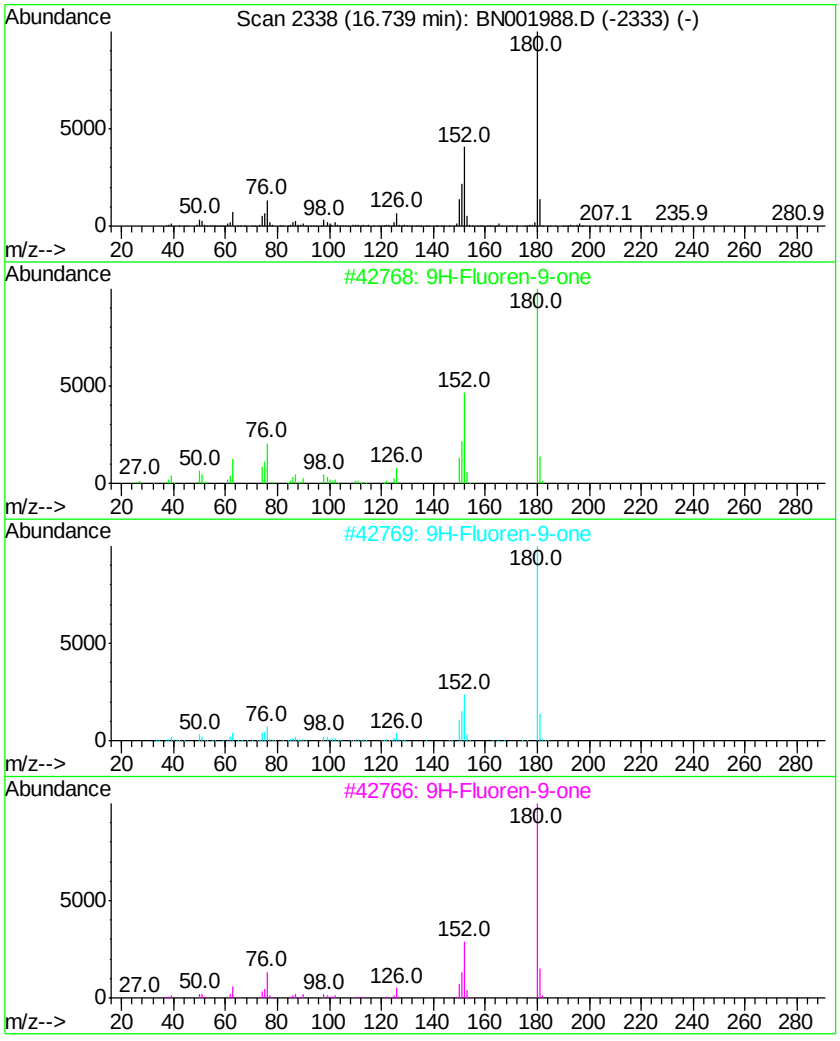
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

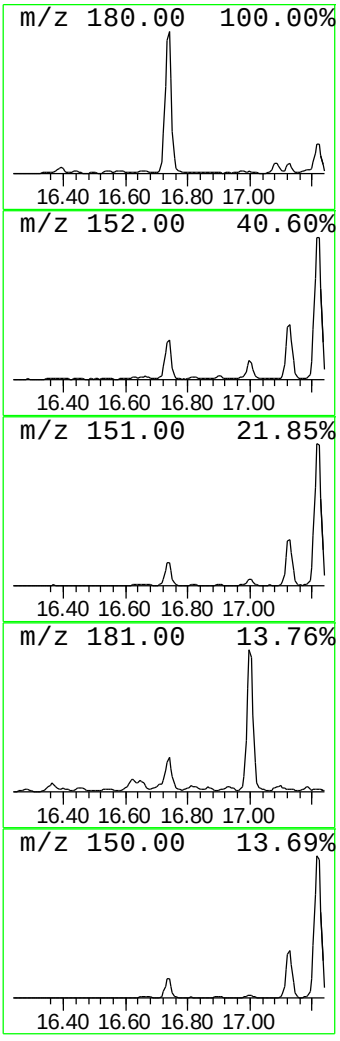
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	3.29 ng/ul	1376300	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
Data File : BN001988.D
Acq On : 06 Jul 2018 14:04
Operator : JU/SJ
Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

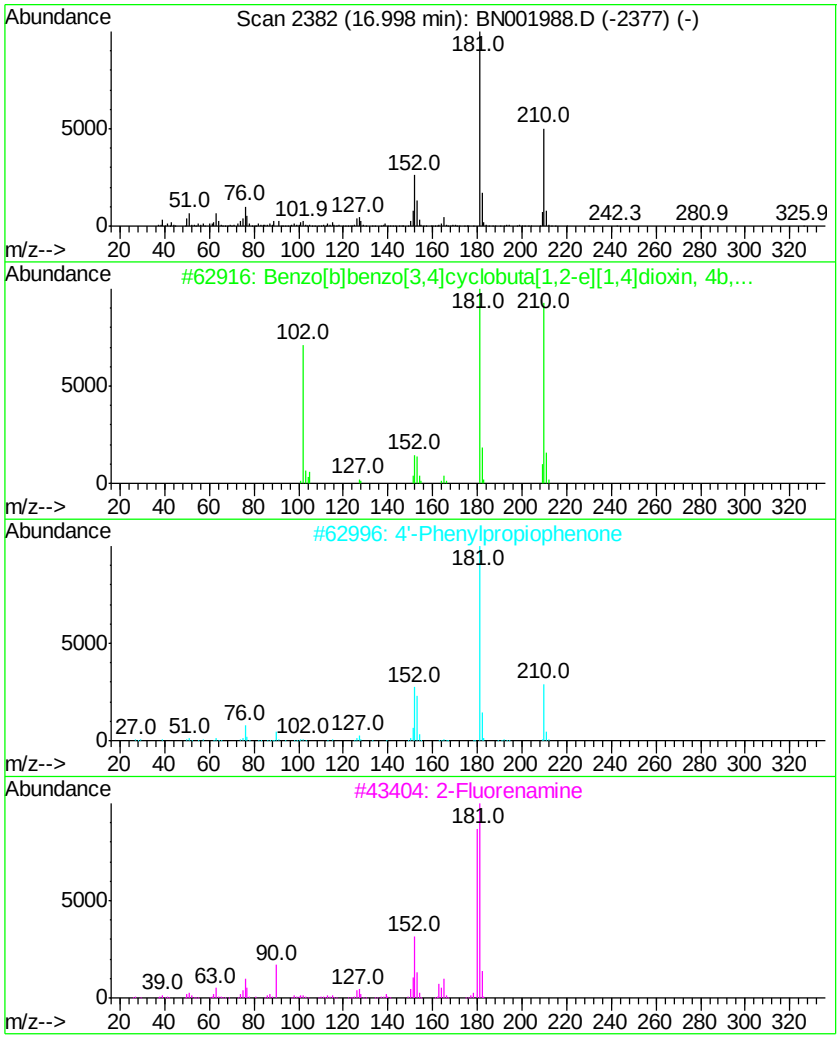
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

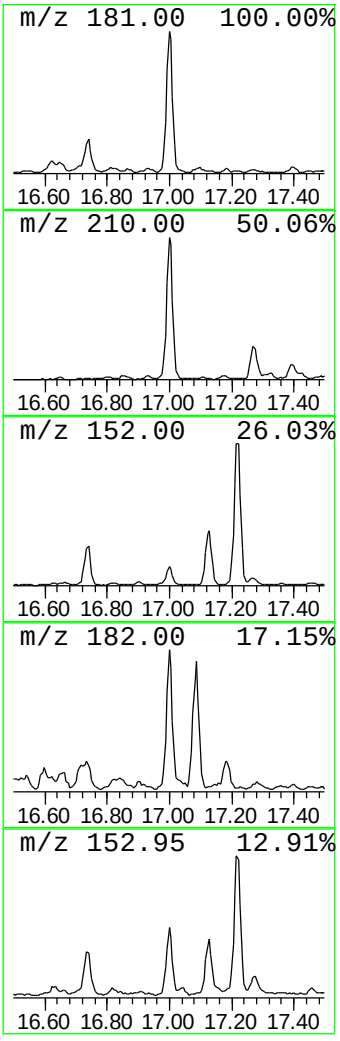
****

Peak Number 4 Benzo[b]benzo[3,4]cyclobuta... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	2.45 ng/ul	1026810	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]benzo[3,4]cyclobuta[1,2-...	210	C14H10O2	042896-18-4	90
2	4'-Phenylpropiophenone	210	C15H14O	037940-57-1	87
3	2-Fluorenamine	181	C13H11N	000153-78-6	58
4	(1,1'-Biphenyl)-2,2'-dicarboxald...	210	C14H10O2	001210-05-5	53
5	(1,1'-Biphenyl)-2,2'-dicarboxald...	210	C14H10O2	001210-05-5	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
Data File : BN001988.D
Acq On : 06 Jul 2018 14:04
Operator : JU/SJ
Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

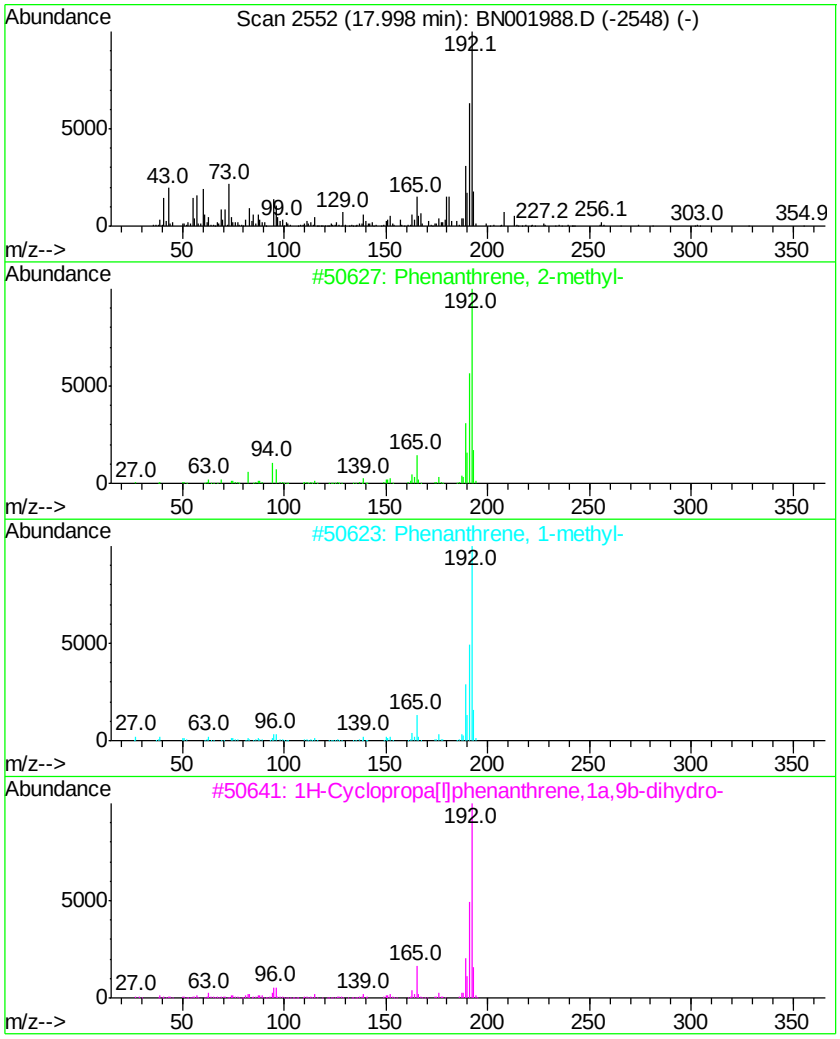
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

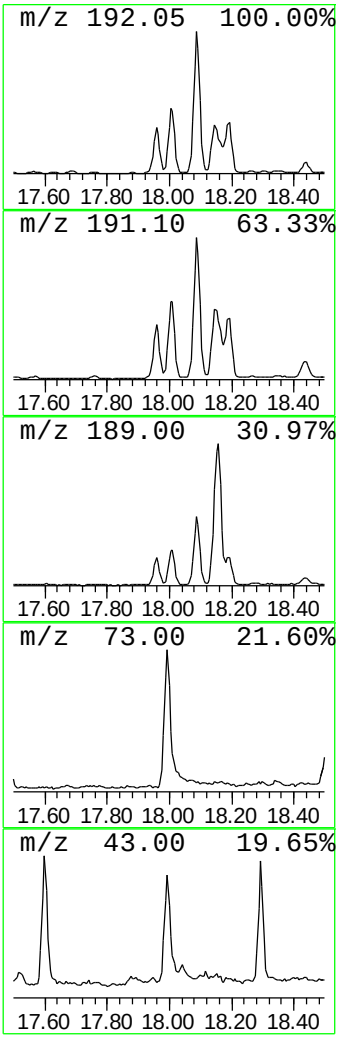
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	3.73 ng/ul	1562140	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Acq On : 06 Jul 2018 14:04
Operator : JU/SJ
Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

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Quant Title : SVOA CALIBRATION

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

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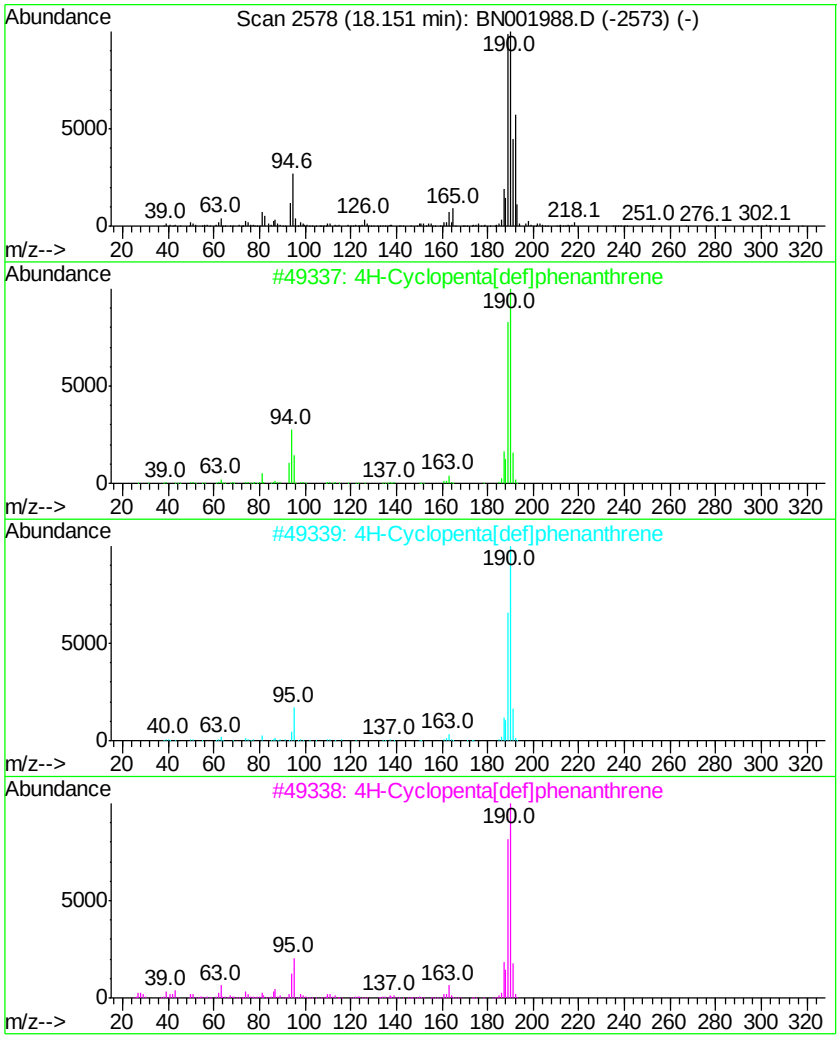
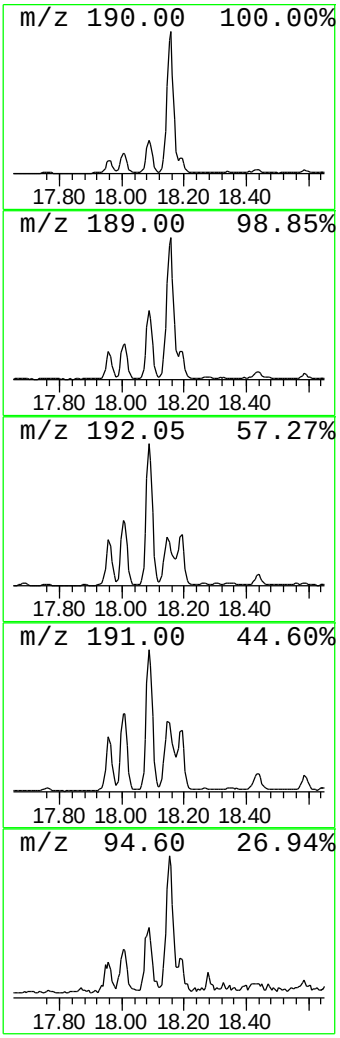
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	4.58 ng/ul	1913860	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	20





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Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

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Quant Title : SVOA CALIBRATION

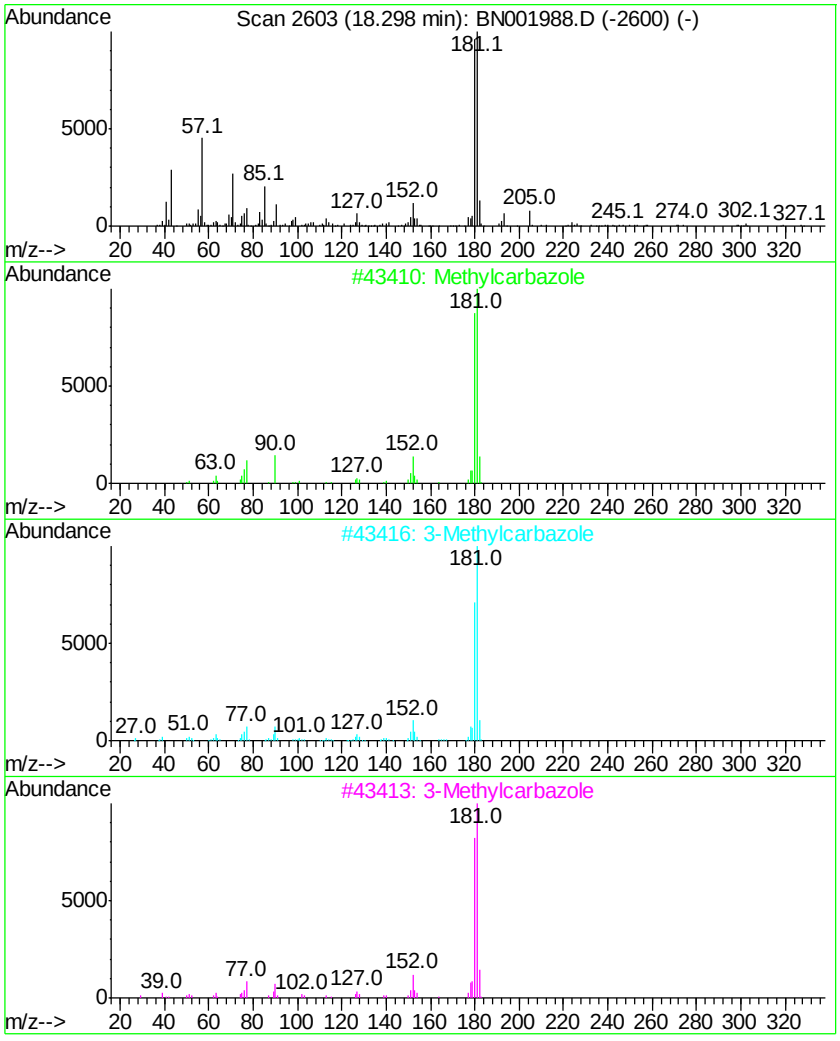
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

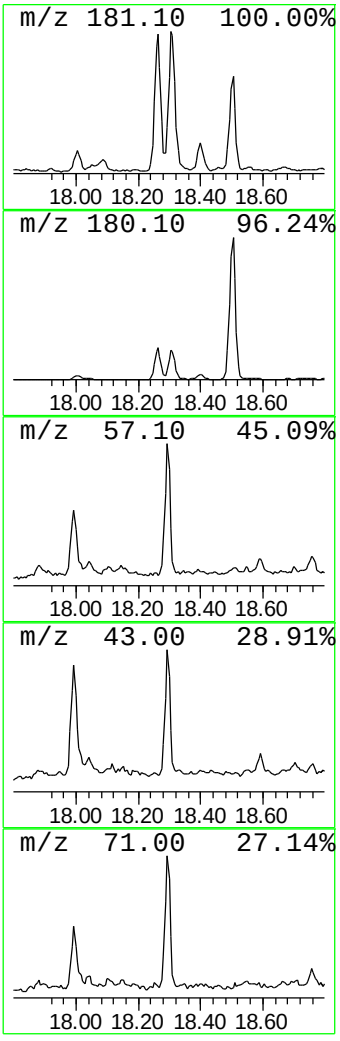
****

Peak Number 9 Methylcarbazole Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	2.83 ng/ul	1185290	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylcarbazole	181	C13H11N	027323-29-1	96
2	3-Methylcarbazole	181	C13H11N	004630-20-0	93
3	3-Methylcarbazole	181	C13H11N	004630-20-0	93
4	4-Methylcarbazole	181	C13H11N	003770-48-7	90
5	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	87





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

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Quant Title : SVOA CALIBRATION

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

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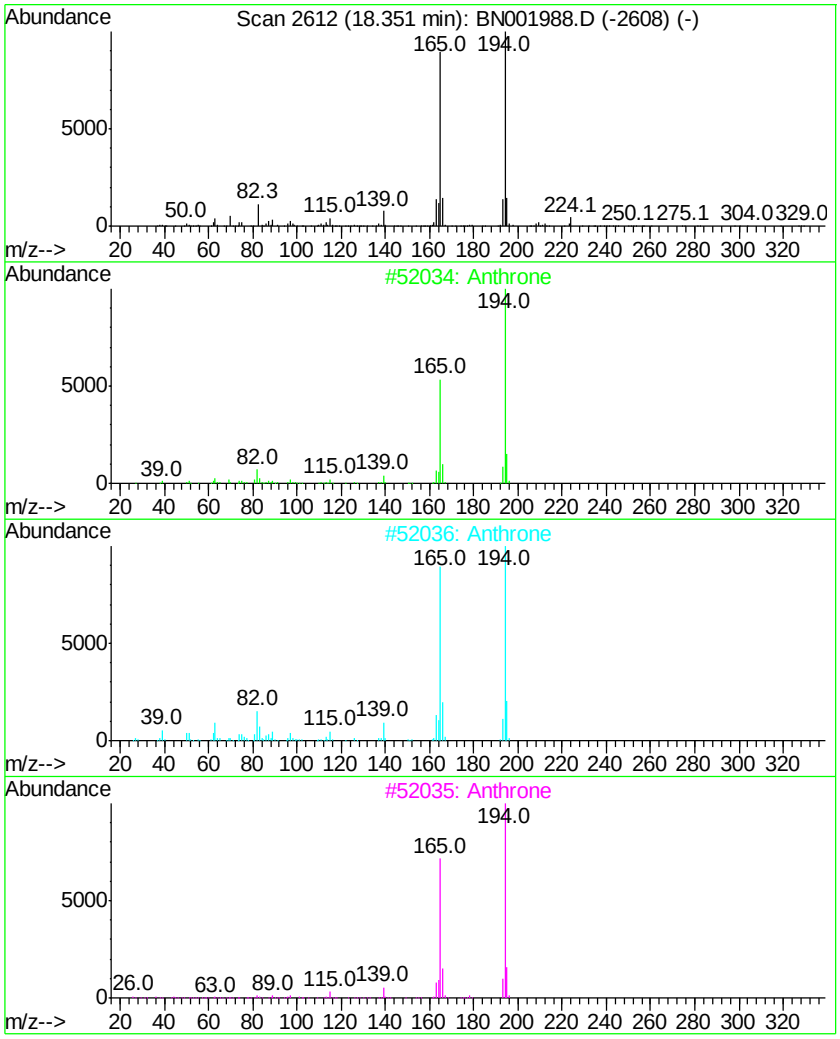
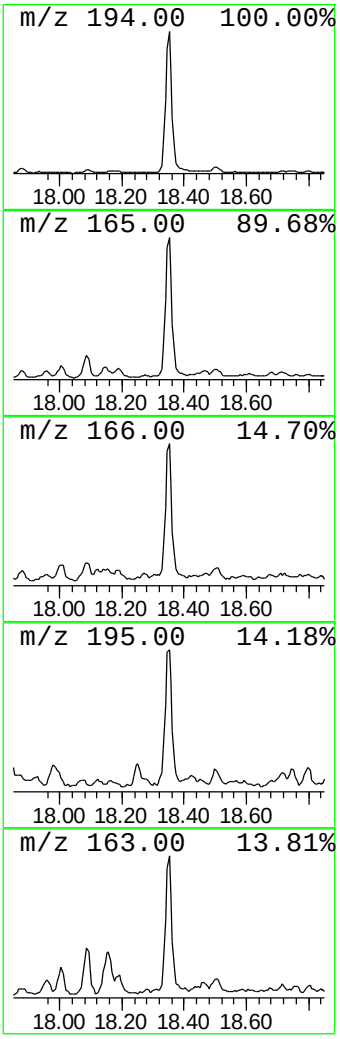
Peak Number 10 Anthrone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	4.75 ng/ul	1986710	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	95
2	Anthrone	194	C14H10O	000090-44-8	93
3	Anthrone	194	C14H10O	000090-44-8	91
4	2-Phenanthrenol	194	C14H10O	000605-55-0	90
5	2-Fluorenecarboxaldehyde	194	C14H10O	030084-90-3	90





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

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Quant Title : SVOA CALIBRATION

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

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Peak Number 11 9,10-Anthracenedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	12.15 ng/ul	5080320	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
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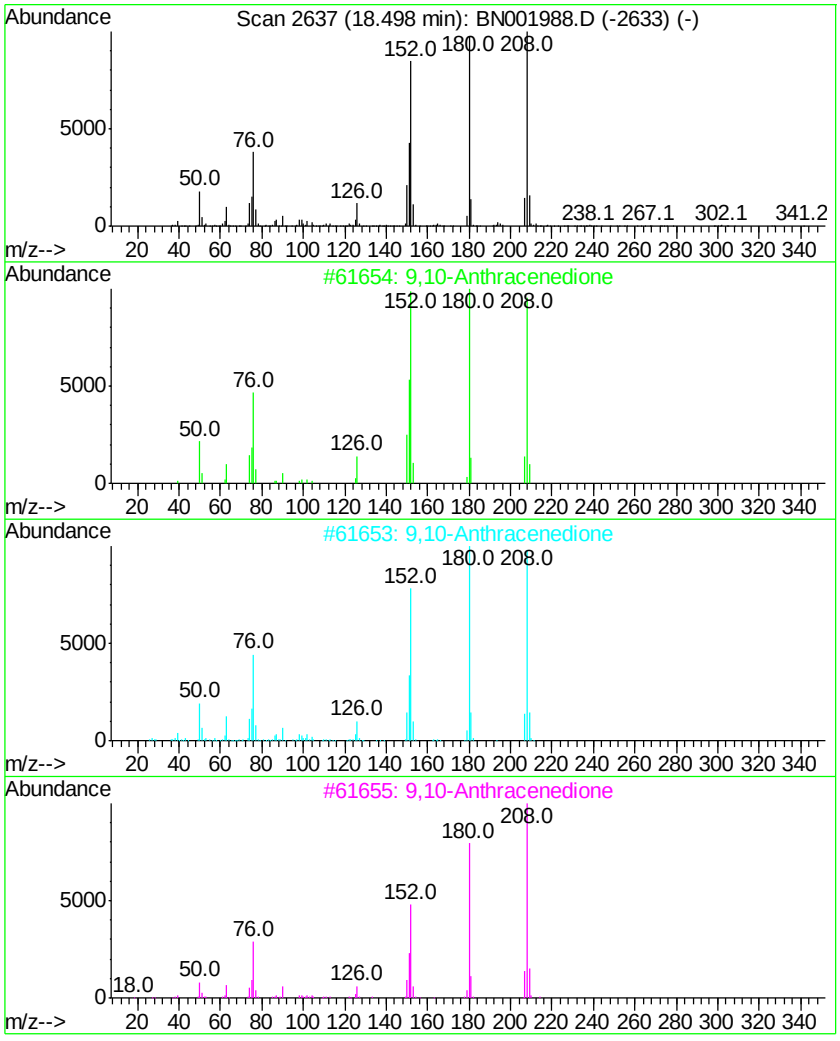

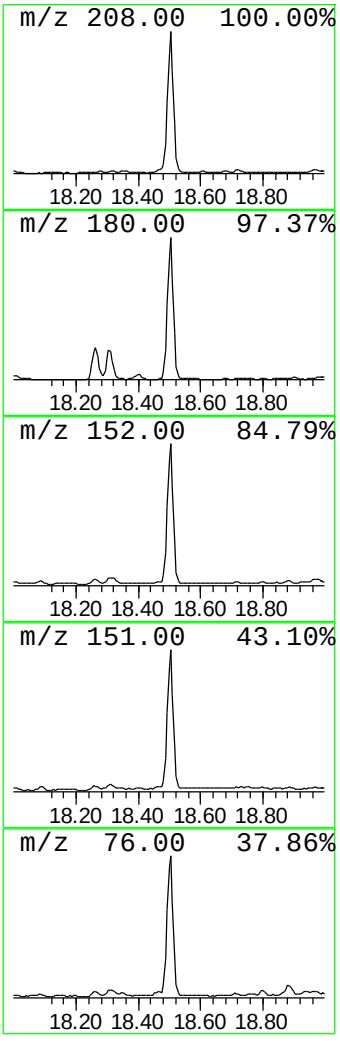

Library Search Compound Report

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Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

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Quant Title : SVOA CALIBRATION

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

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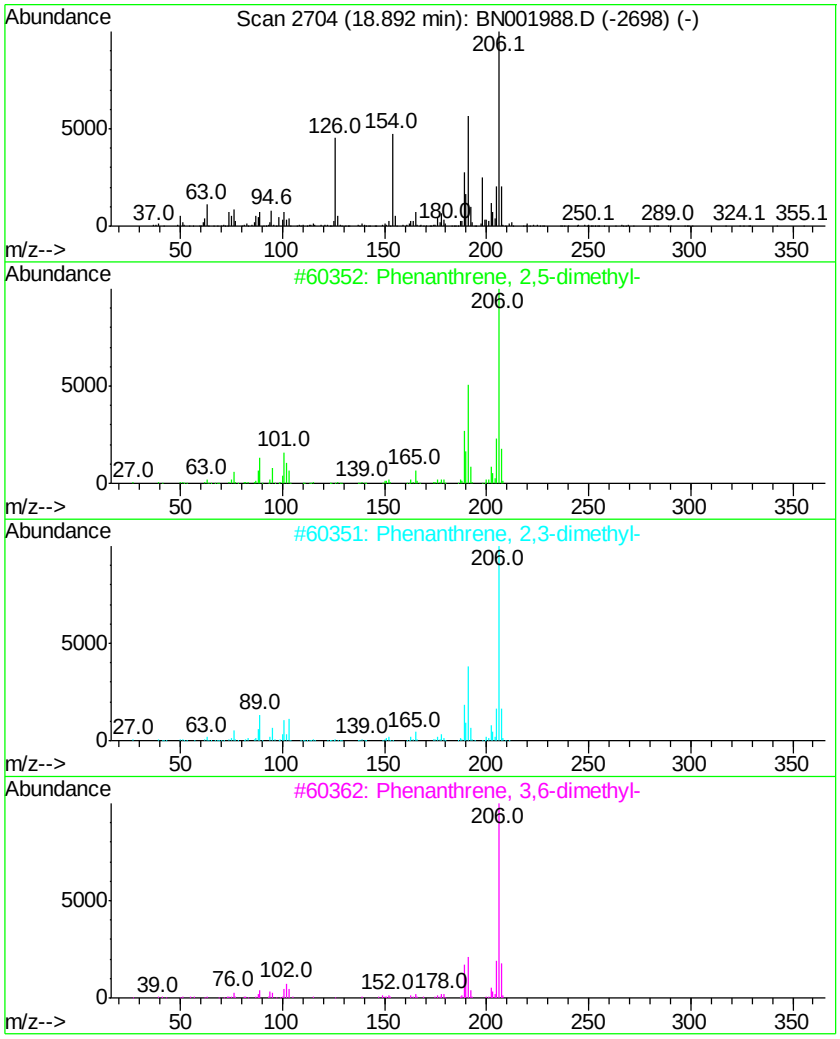
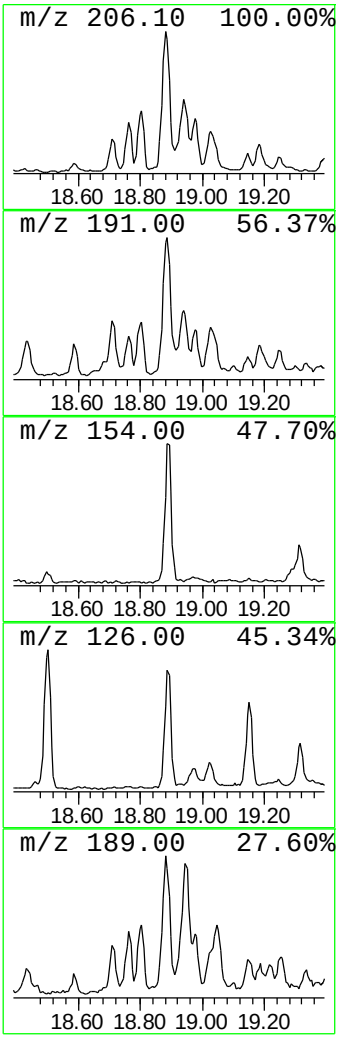
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	3.44 ng/ul	1438570	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	83





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Operator : JU/SJ
Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

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Quant Title : SVOA CALIBRATION

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

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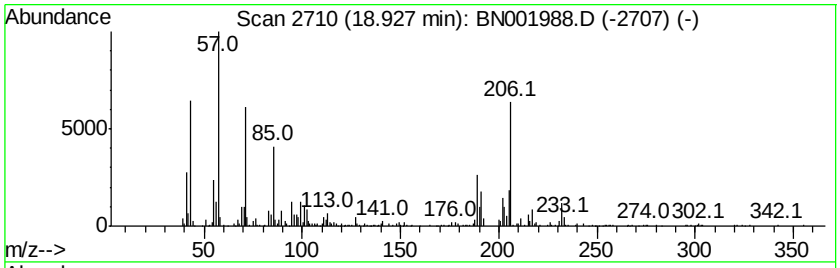
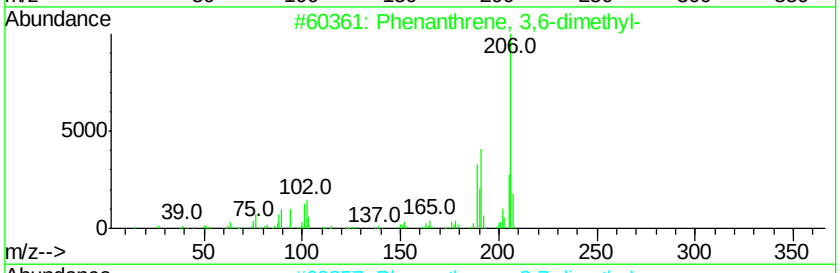
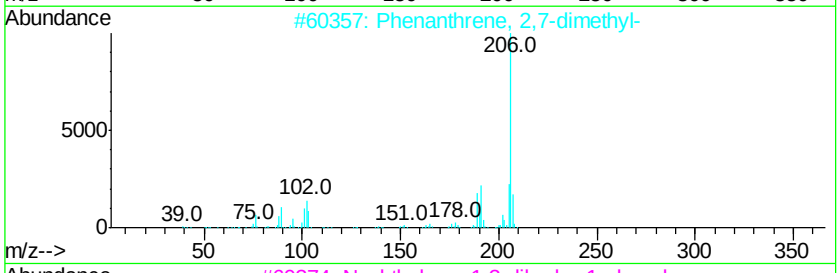
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 29

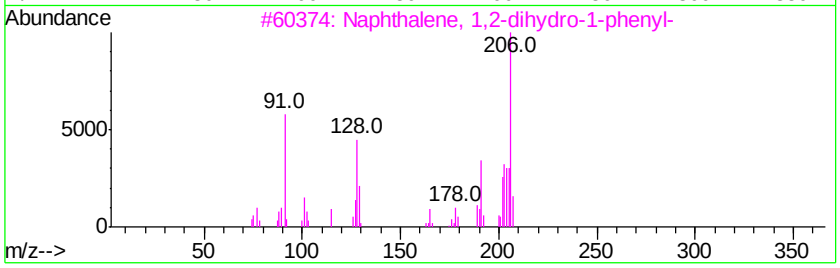
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	2.25 ng/ul	942837	Phenanthrene-d10	17.09

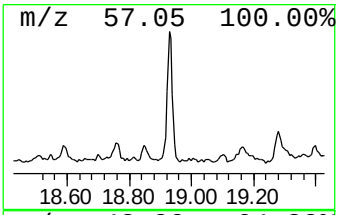
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	60
4	Hexadecane	226	C16H34	000544-76-3	59
5	Nonadecane	268	C19H40	000629-92-5	59

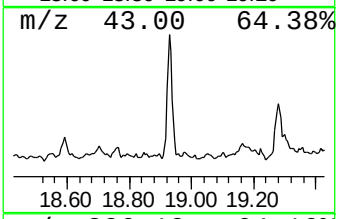


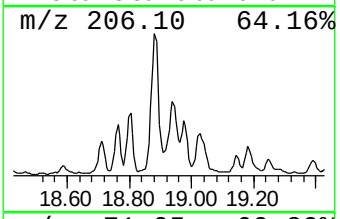


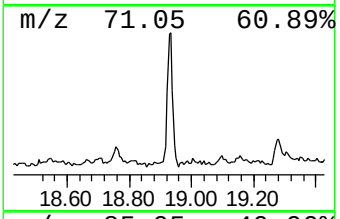


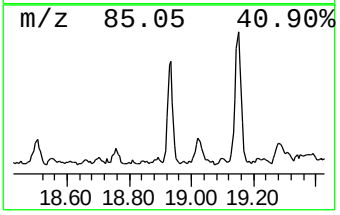












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Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

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Quant Title : SVOA CALIBRATION

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

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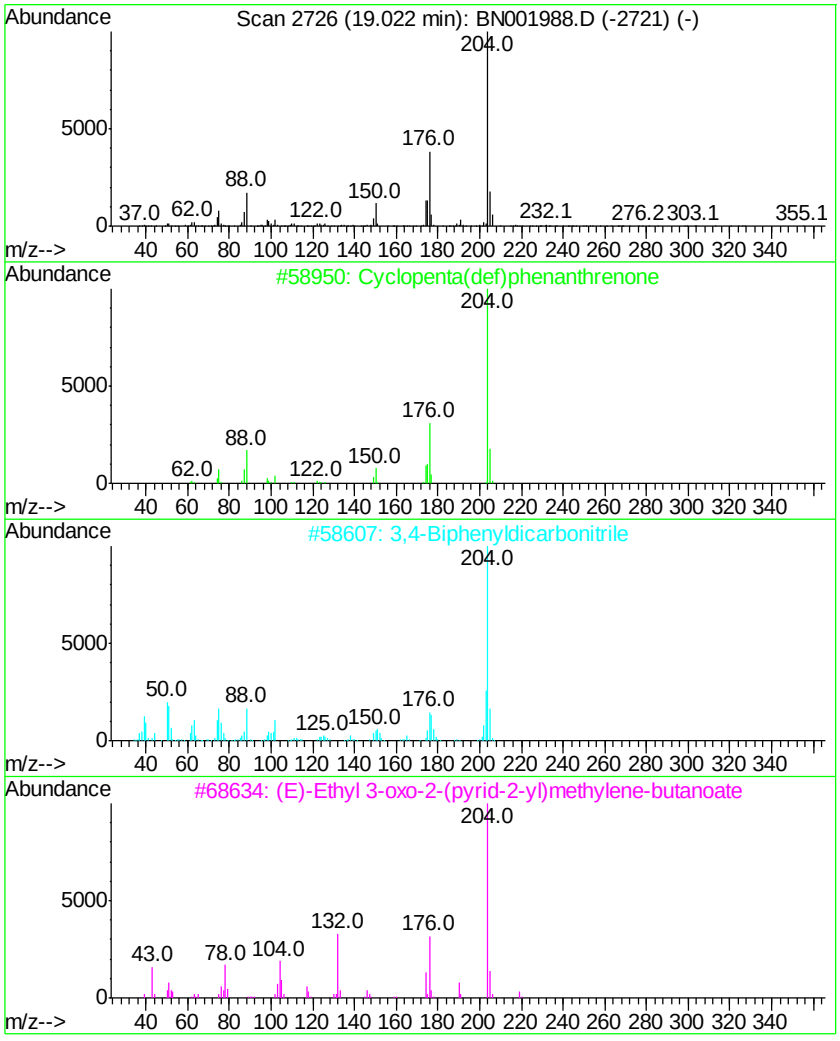
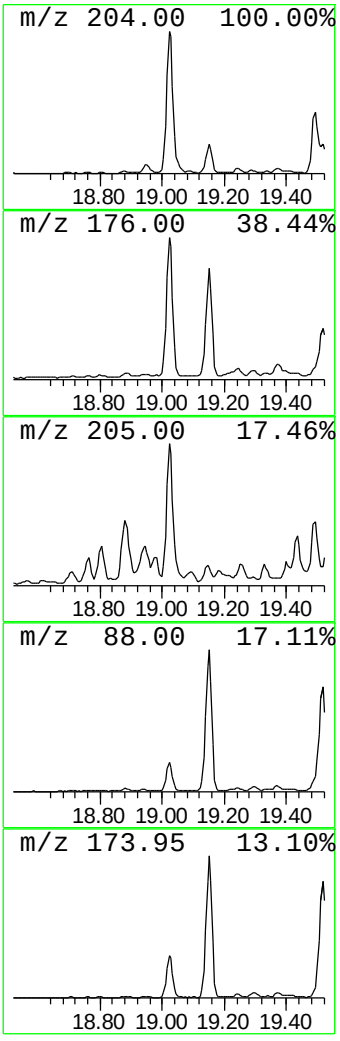
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	7.20 ng/ul	3013500	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	43
5	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	42





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Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

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

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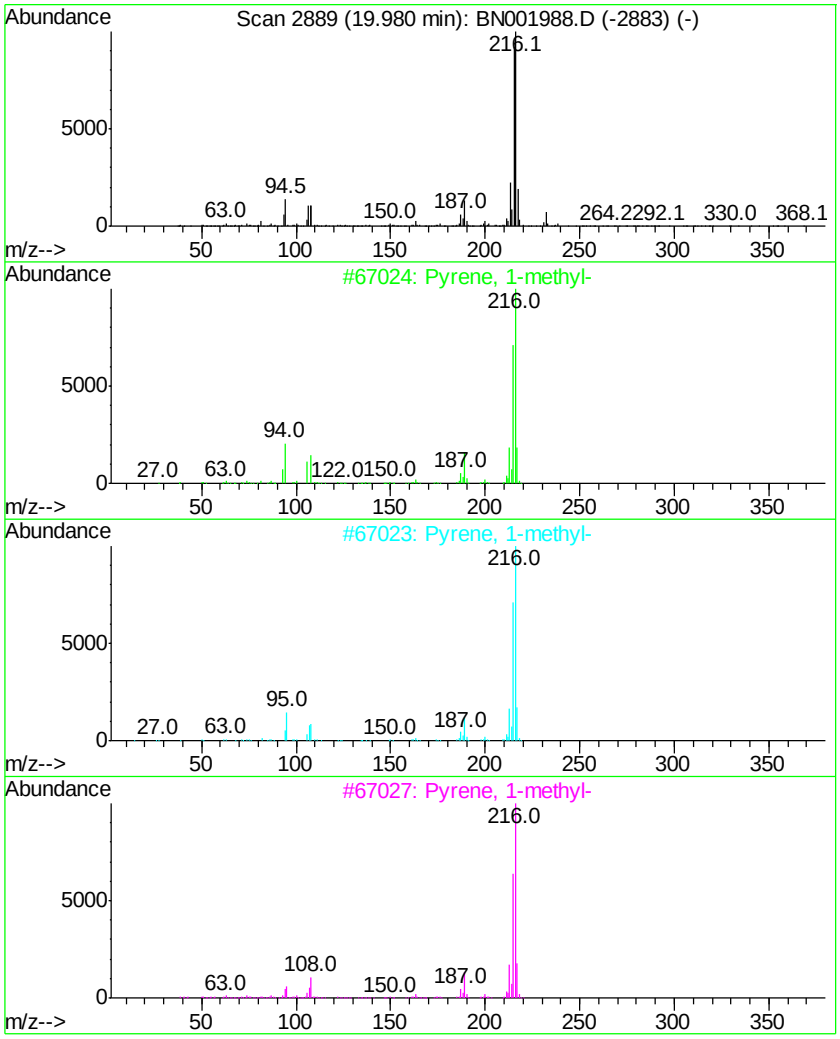
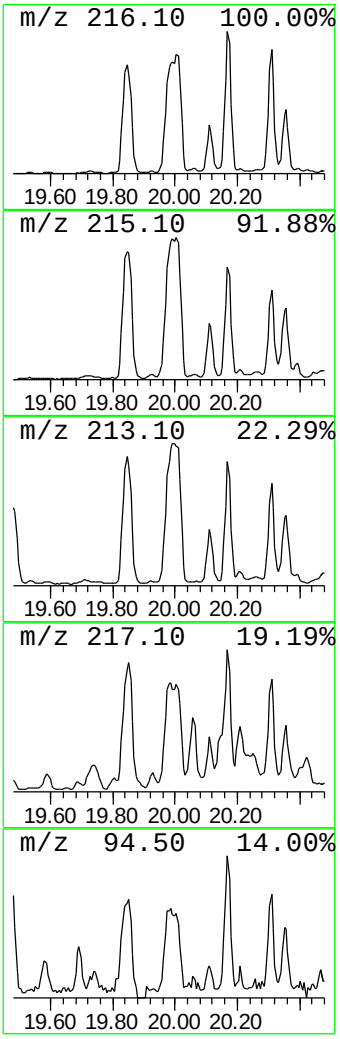
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.98	3.41 ng/ul	4728060	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93





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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	3.82 ng/ul	5299330	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
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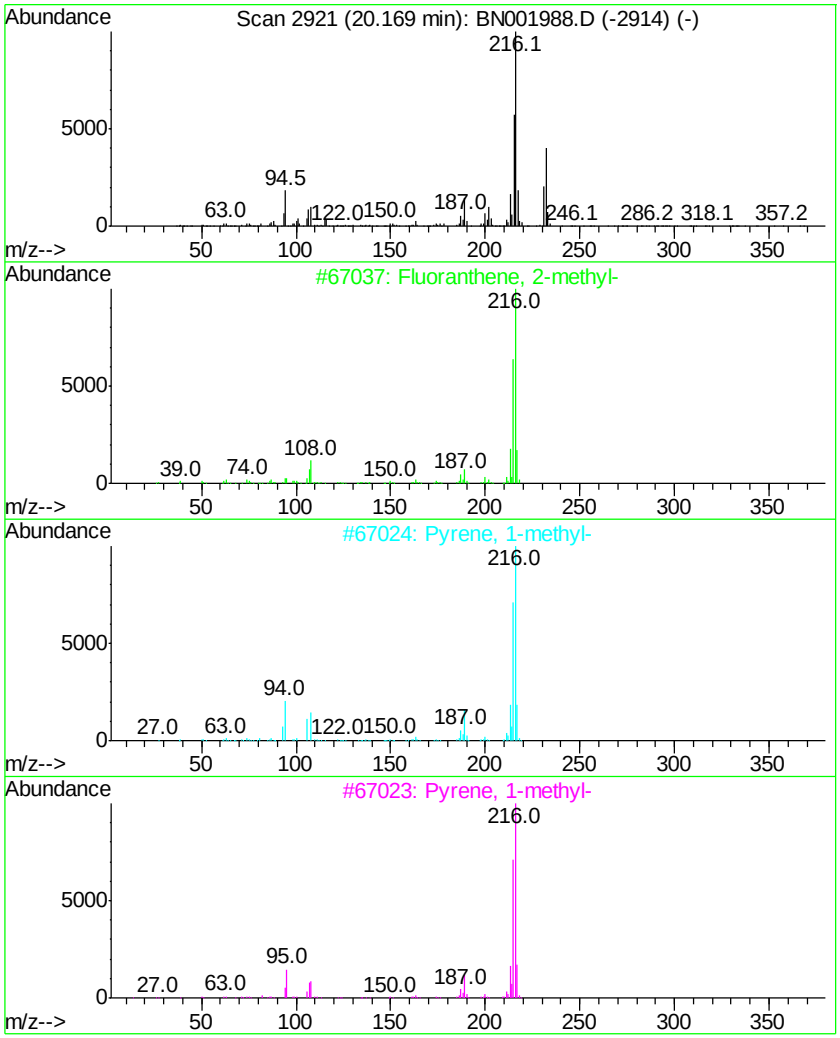
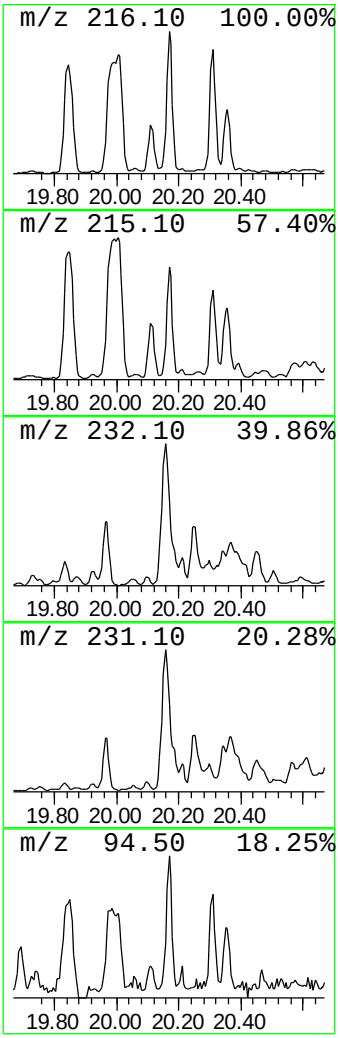
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





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Quant Title : SVOA CALIBRATION

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

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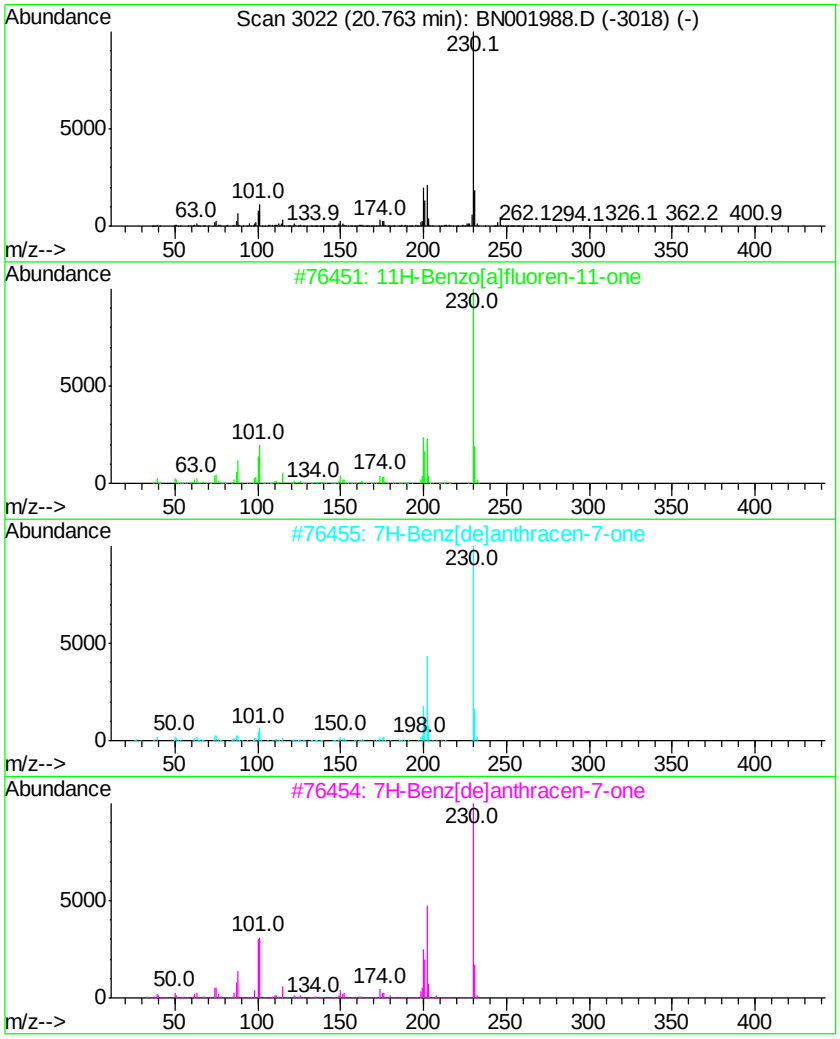
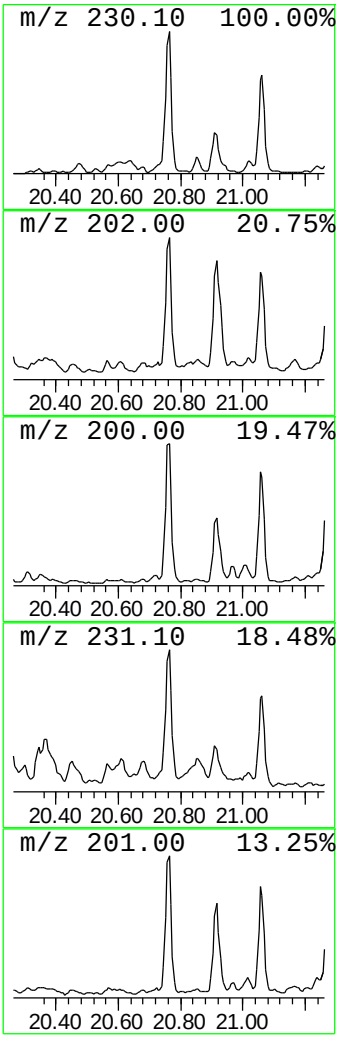
Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	3.41 ng/ul	4735420	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
5	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	72





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Acq On : 06 Jul 2018 14:04
Operator : JU/SJ
Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

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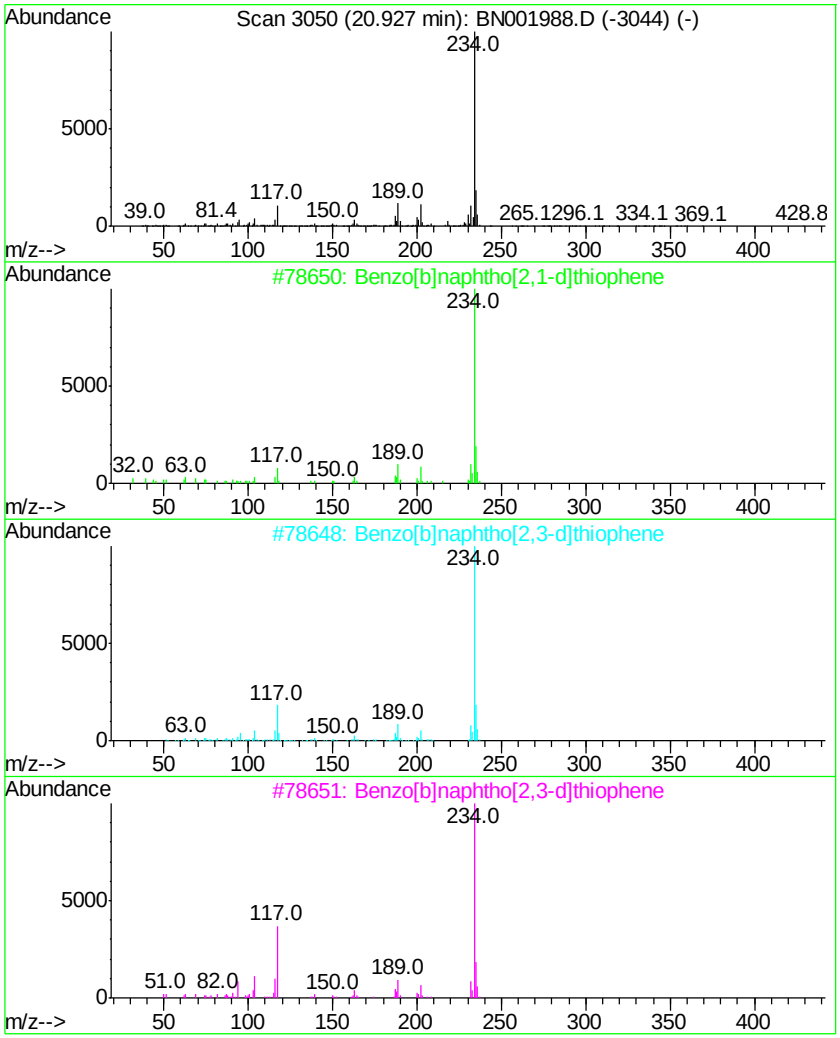
Quant Title : SVOA CALIBRATION

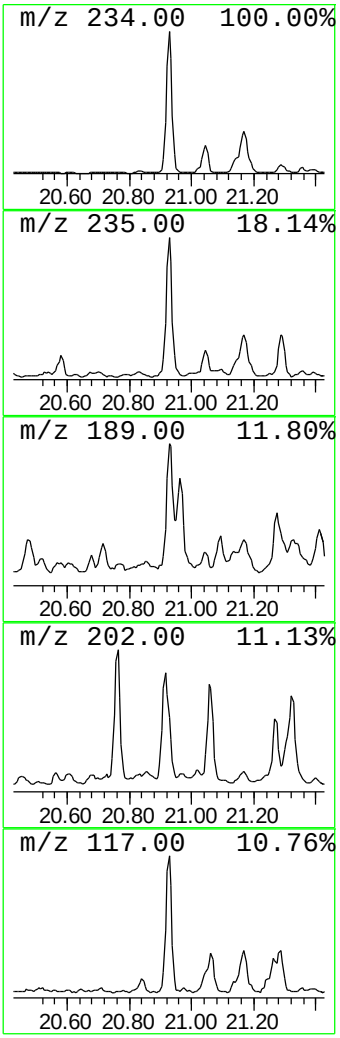
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	3.76 ng/ul	5215510	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91





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Operator : JU/SJ
Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

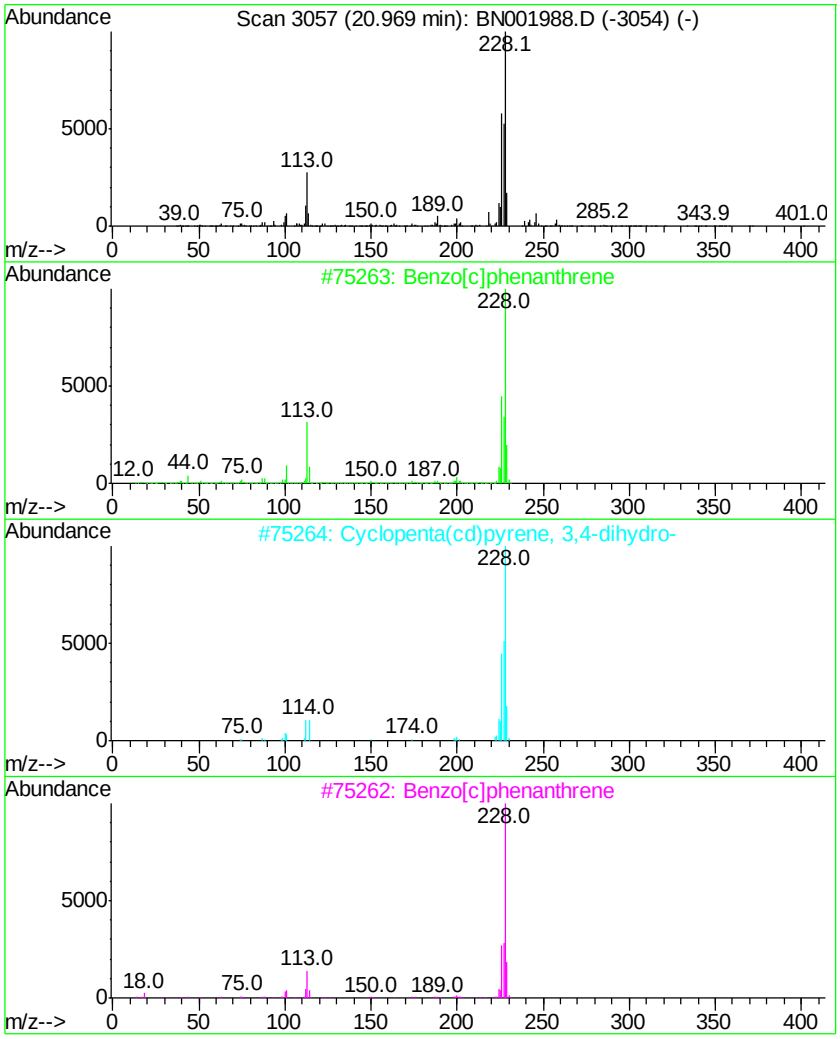
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

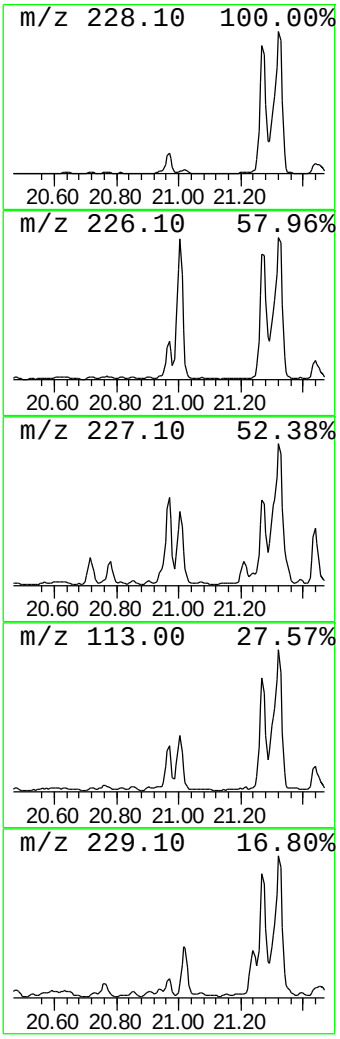
****

Peak Number 20 Benzo[c]phenanthrene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	2.52 ng/ul	3494090	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	92
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	83
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	58
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
5	Triphenylene	228	C18H12	000217-59-4	49





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Operator : JU/SJ
Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

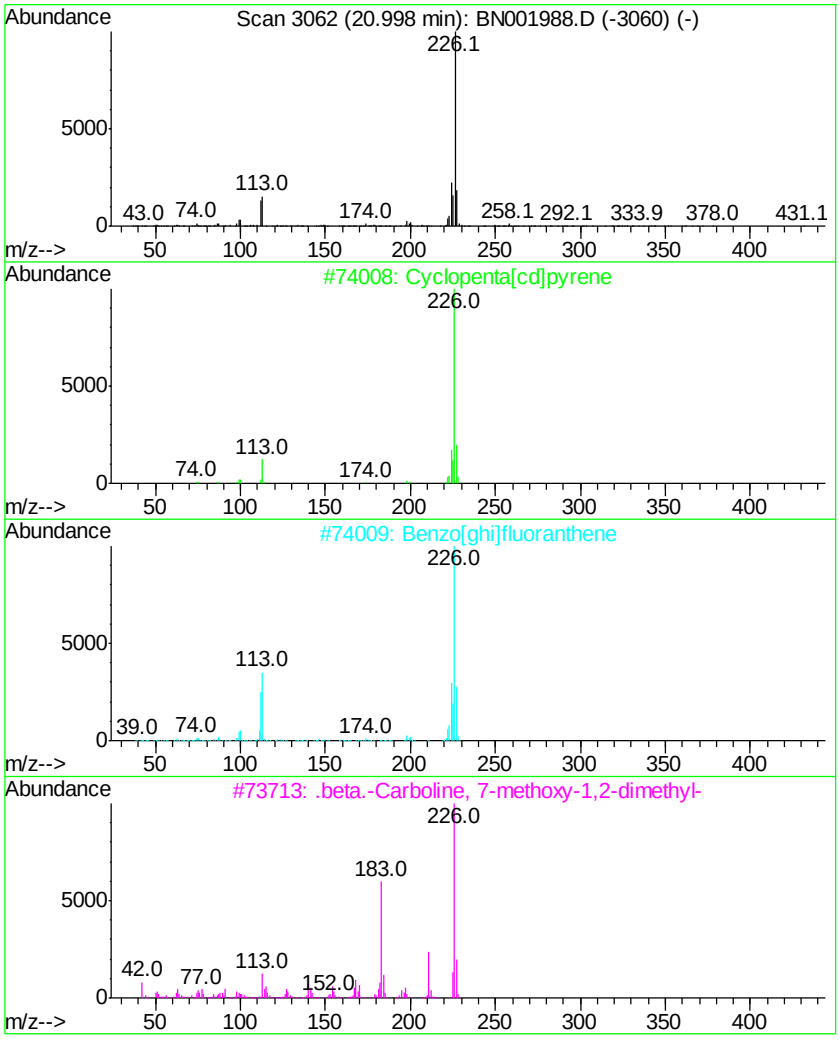
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

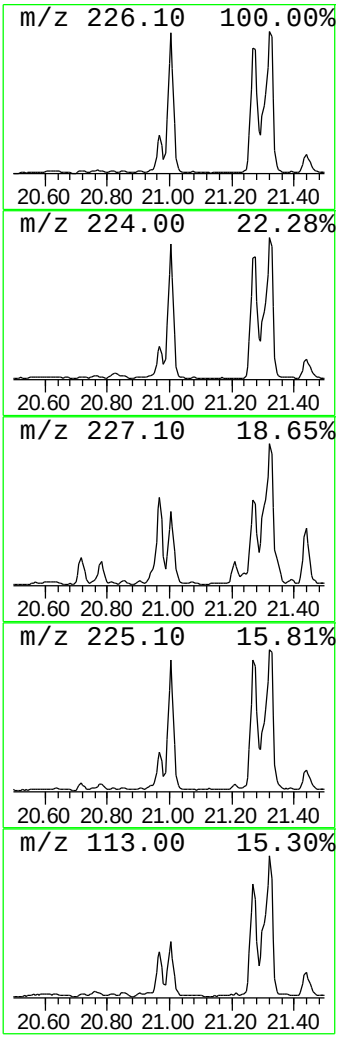
****

Peak Number 21 Cyclopenta[cd]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	3.88 ng/ul	5390780	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	95
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	81
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	40
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	33





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Acq On : 06 Jul 2018 14:04
Operator : JU/SJ
Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

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

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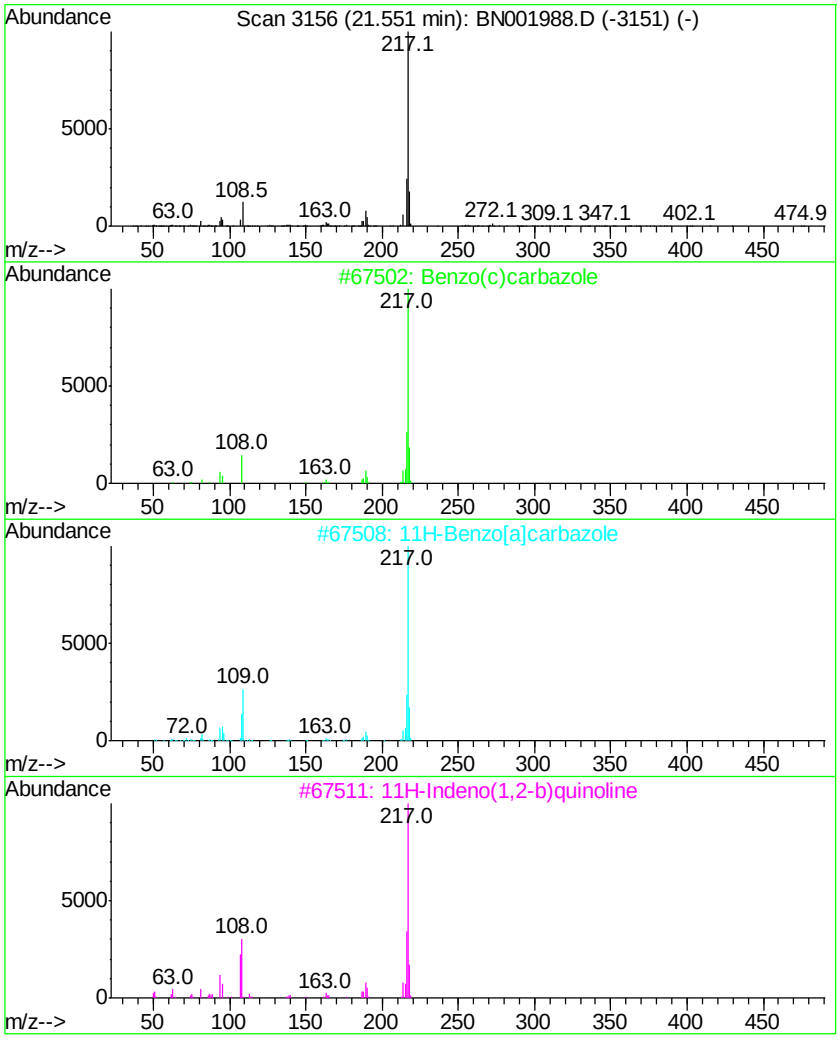
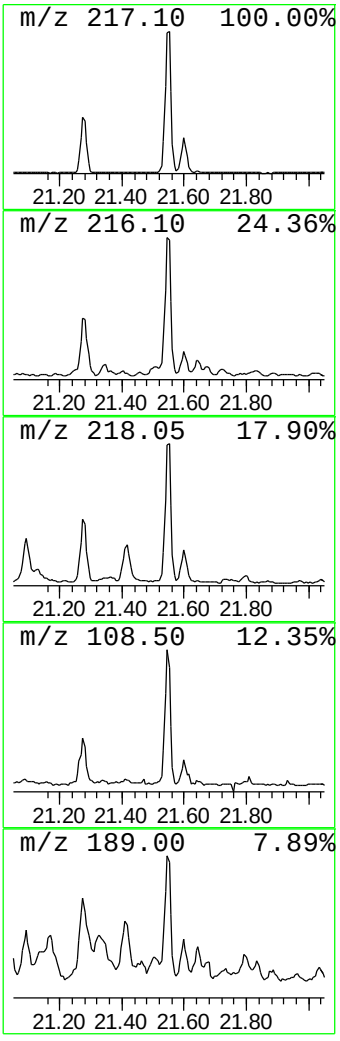
Peak Number 23 Benzo(c)carbazole Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.55	2.44 ng/ul	3388530	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(c)carbazole	217	C16H11N	034777-33-8	96
2	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	94
3	11H-Indeno(1,2-b)quinoline	217	C16H11N	000243-51-6	93
4	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	93
5	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	93





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Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

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Quant Title : SVOA CALIBRATION

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

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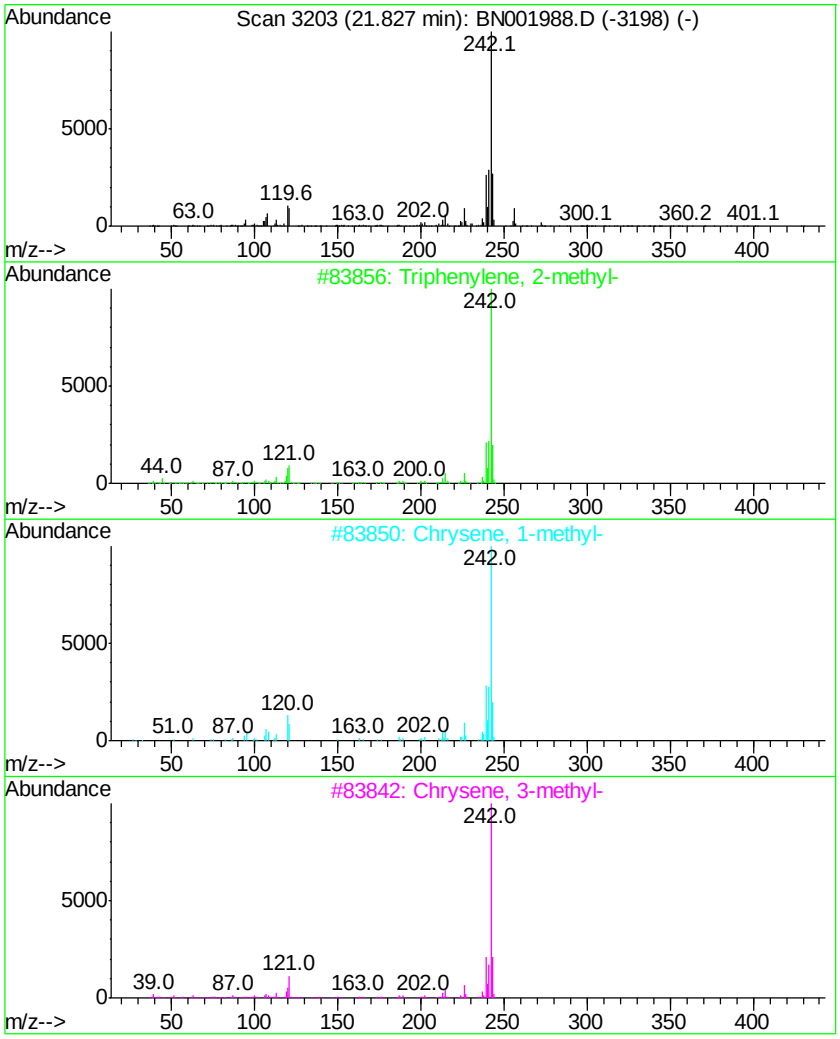
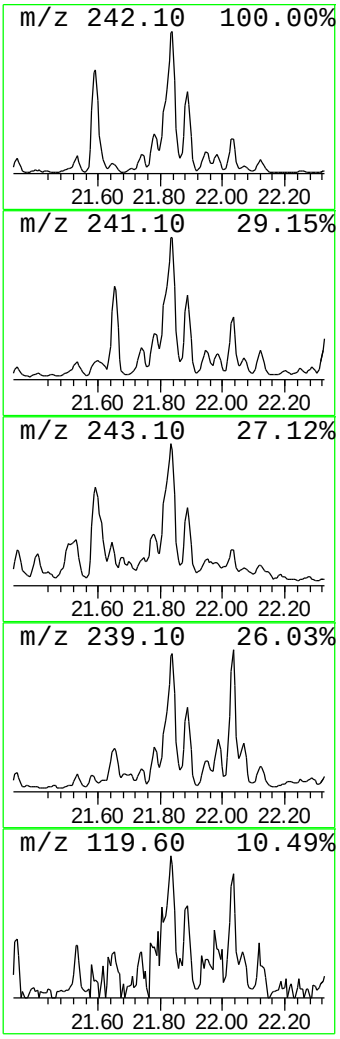
Peak Number 24 Triphenylene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	2.56 ng/ul	3557400	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	96
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93





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Operator : JU/SJ
Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

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Quant Title : SVOA CALIBRATION

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

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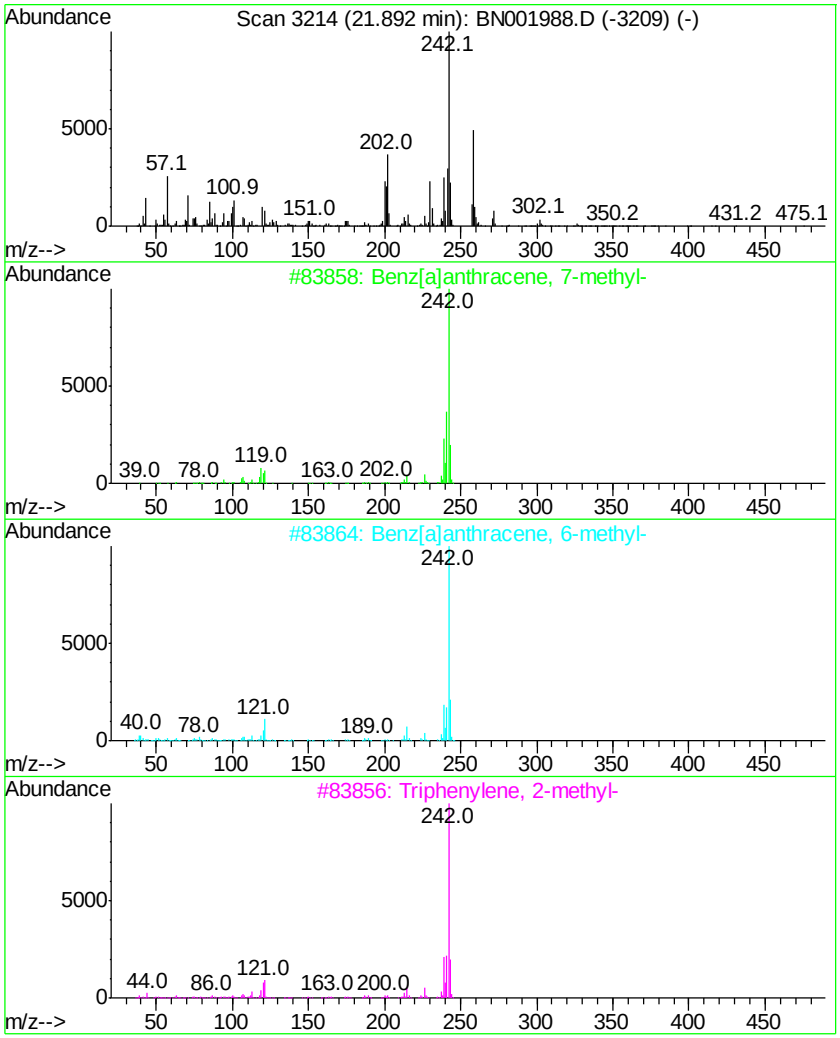
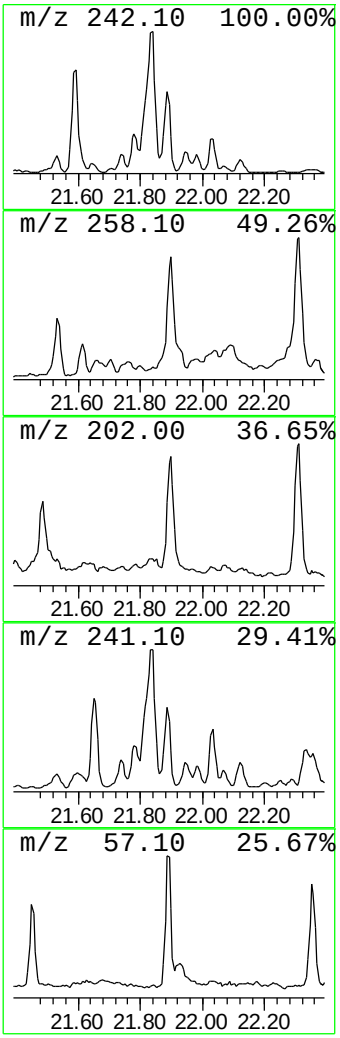
Peak Number 25 Benz[a]anthracene, 7-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.89	2.20 ng/ul	3048740	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	80
2	Benz[a]anthracene, 6-methyl-	242	C19H14	000316-14-3	56
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	56
4	Benz[a]anthracene, 10-methyl-	242	C19H14	002381-15-9	55
5	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	55





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Operator : JU/SJ
Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

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Quant Title : SVOA CALIBRATION

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

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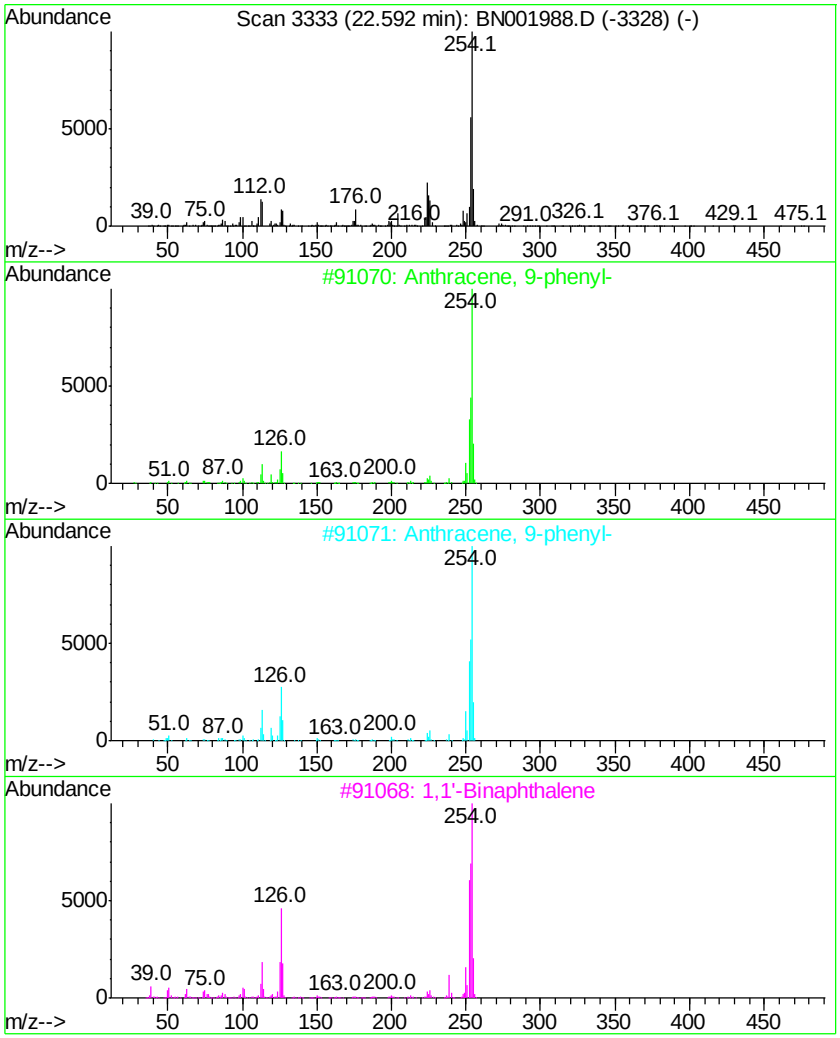
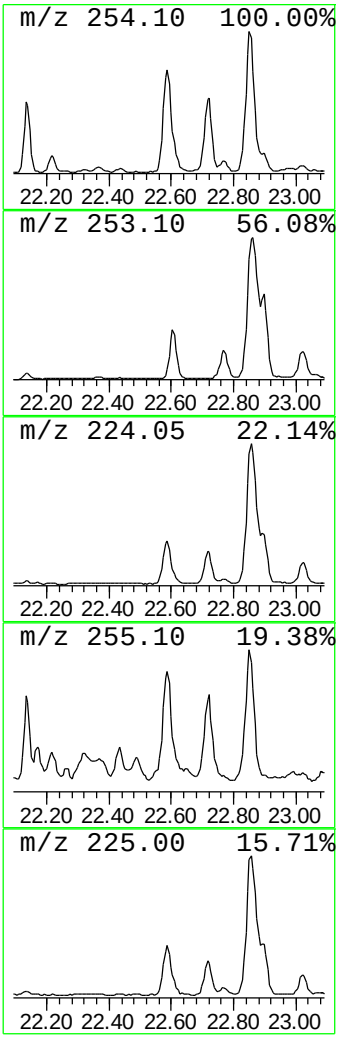
Peak Number 26 Anthracene, 9-phenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.59	12.90 ng/ul	3942360	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	81
2	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	72
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	64
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	64
5	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	59





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Operator : JU/SJ
Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

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

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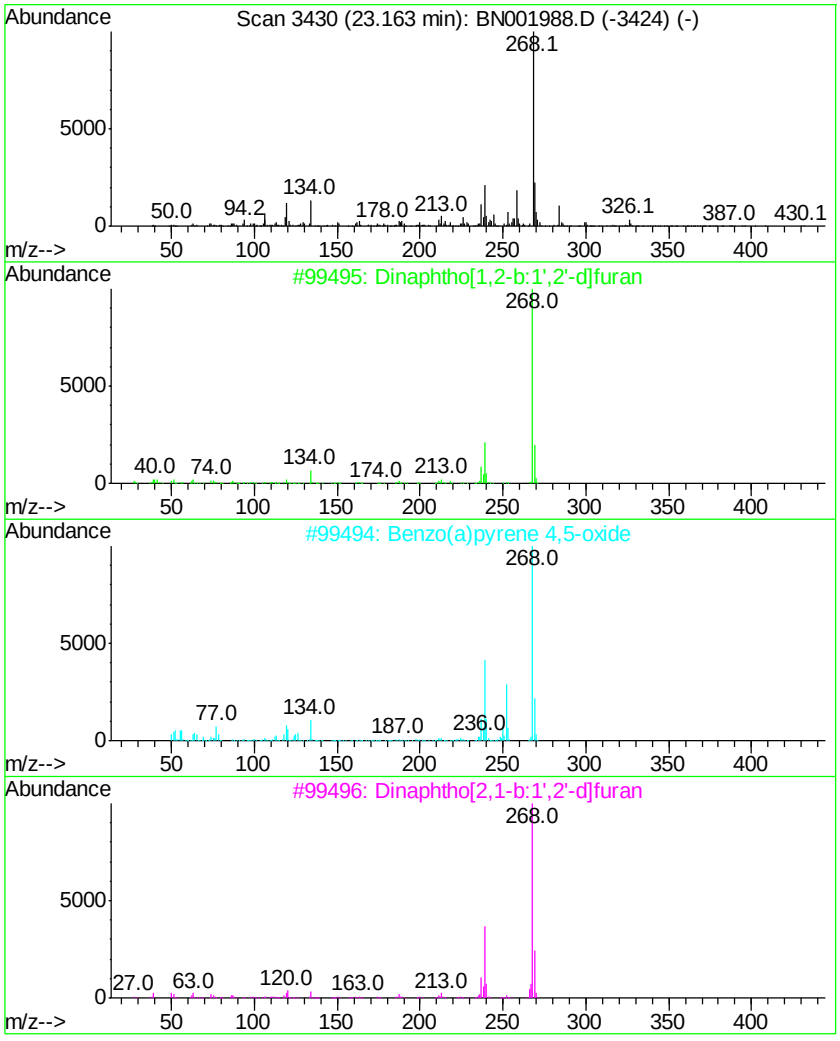
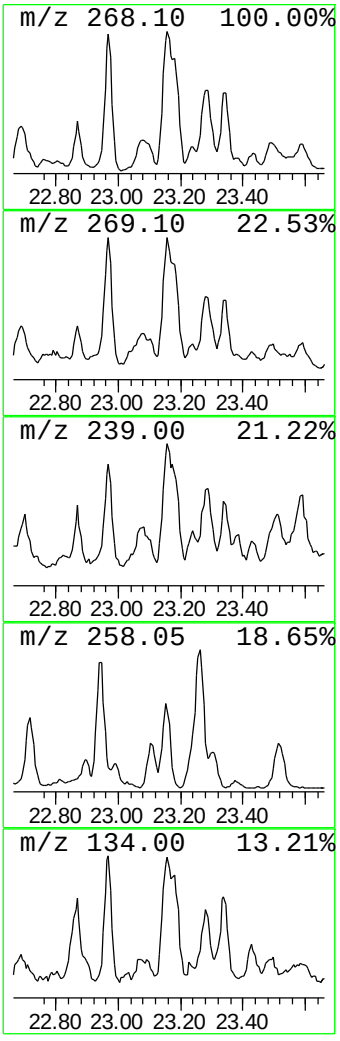
Peak Number 28 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.16	8.05 ng/ul	2459970	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	59
4	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	52
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	50





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Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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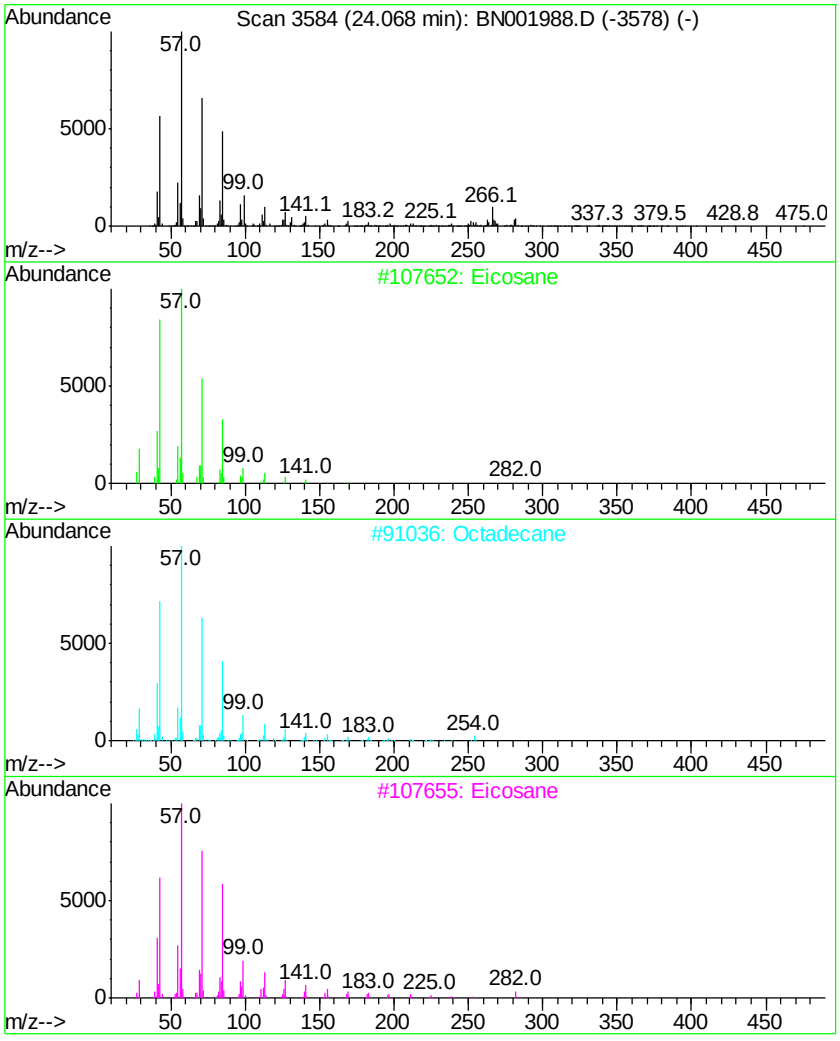
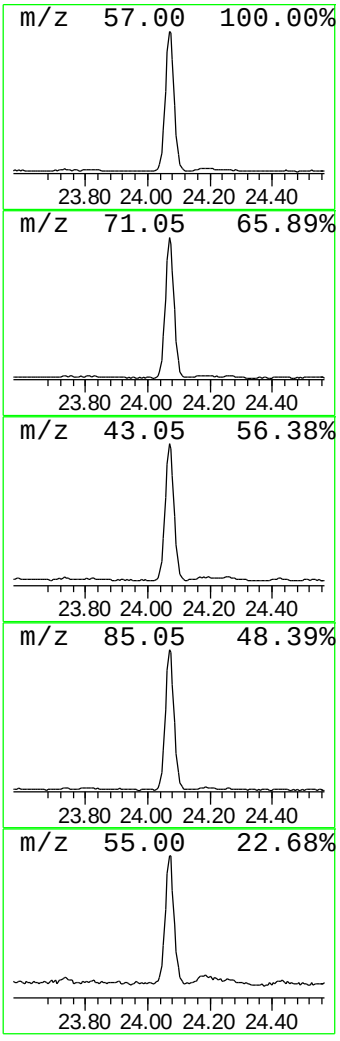
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.07	12.68 ng/ul	3874900	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	97
2	Octadecane	254	C18H38	000593-45-3	96
3	Eicosane	282	C20H42	000112-95-8	91
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
5	Octacosane	394	C28H58	000630-02-4	87





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Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

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

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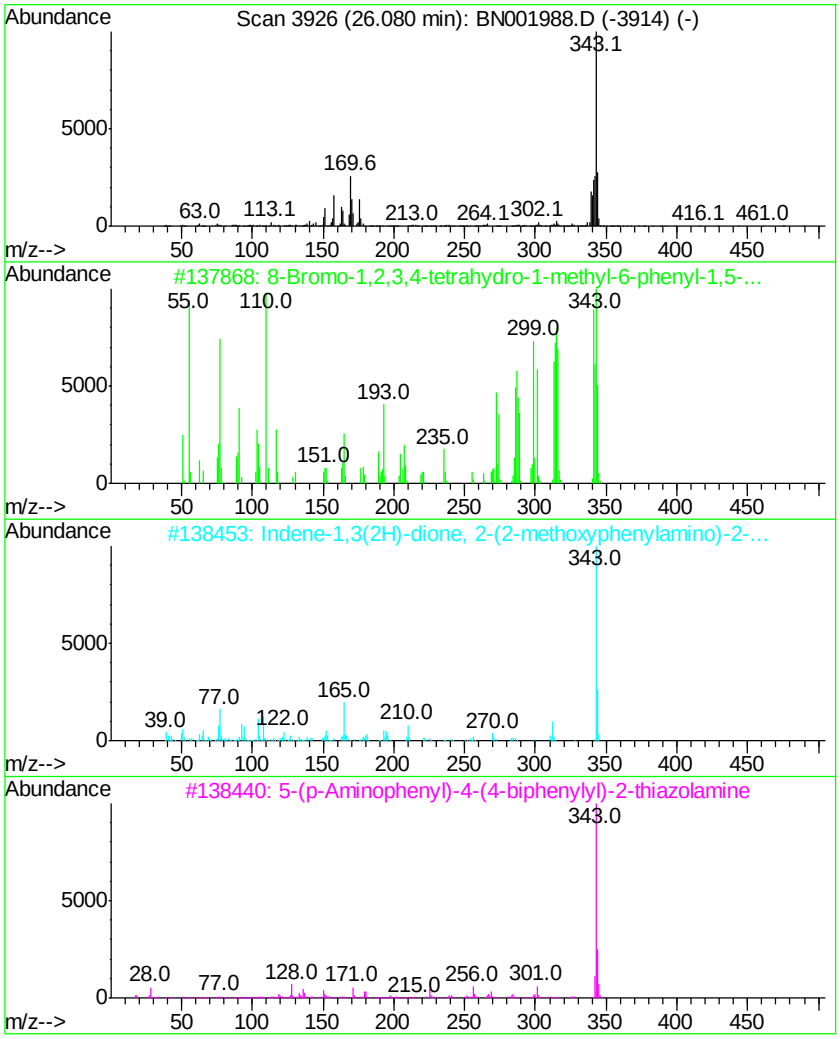
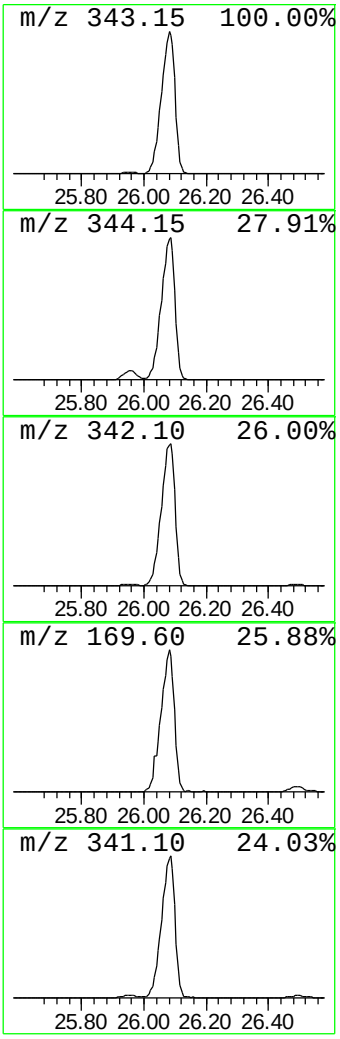
Peak Number 30 unknown-01 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.08	157.41 ng/ul	48119700	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Bromo-1,2,3,4-tetrahydro-1-met...	342	C17H15BrN2O	063563-58-6	46
2	Indene-1,3(2H)-dione, 2-(2-metho...	343	C22H17NO3	349497-72-9	38
3	5-(p-Aminophenyl)-4-(4-biphenylv...	343	C21H17N3S	094863-57-7	38
4	Benzoic acid, 4-(3,4,5-trimethox...	343	C19H21NO5	304683-21-4	37
5	4-(4-Amino-6-piperidin-1-yl-[1,3...	343	C17H21N5O3	1000276-02-9	25





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

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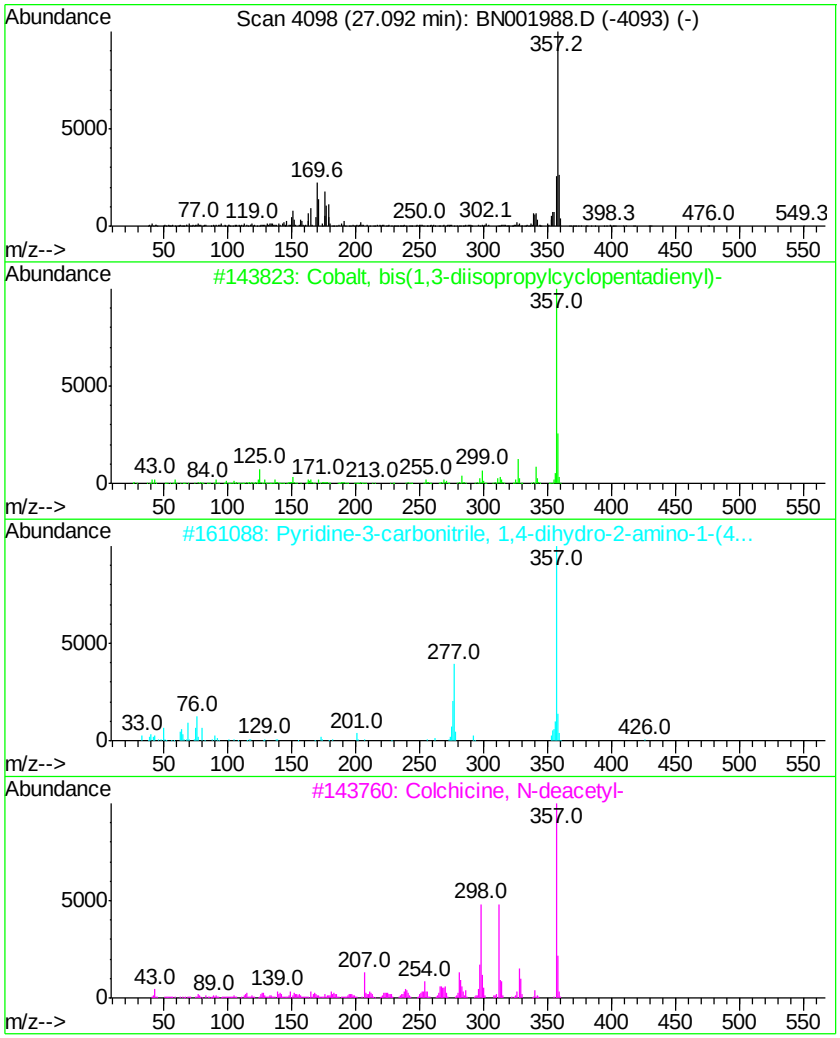
Quant Title : SVOA CALIBRATION

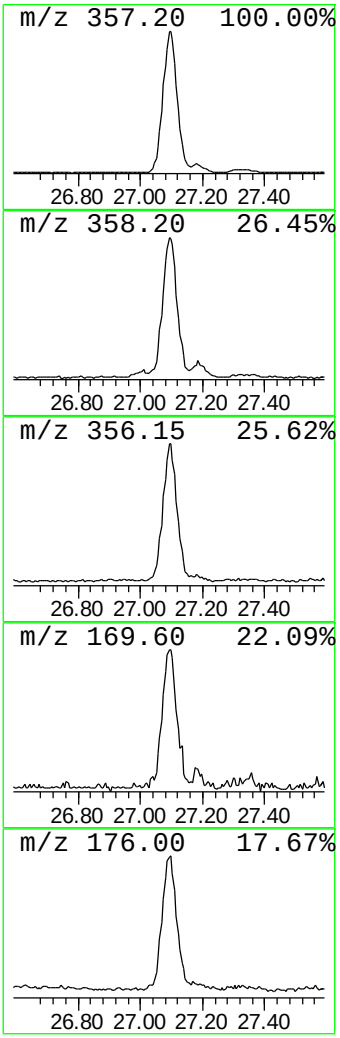
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Cobalt, bis(1,3-diisopropyl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.09	6.49 ng/ul	1983630	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cobalt, bis(1,3-diisopropylcyclo...	357	C22H34Co	1000163-70-4	50
2	Pyridine-3-carbonitrile, 1,4-dih...	426	C15H12F6N4O2S	309731-60-0	40
3	Colchicine, N-deacetyl-	357	C20H23NO5	1000128-25-7	38
4	Pregn-16-en-20-one, 3,18-bis(ace...	430	C25H34O6	030344-58-2	37
5	7-Diethylamino-3-iodo-4-methyl-c...	357	C14H16INO2	107995-74-4	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070618\
Data File : BN001988.D
Acq On : 06 Jul 2018 14:04
Operator : JU/SJ
Sample : J3765-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H06

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.02	4.7	ng/ul	860107	1	7.71	3665770	20.0
1(2H)-Acenaphthyl...	16.06	2.5	ng/ul	1029340	4	17.09	8365180	20.0
9H-Fluoren-9-one	16.74	3.3	ng/ul	1376300	4	17.09	8365180	20.0
Benzo[b]benzo[3,4...	17.00	2.5	ng/ul	1026810	4	17.09	8365180	20.0
Phenanthrene, 2-m...	18.00	3.7	ng/ul	1562140	4	17.09	8365180	20.0
4H-Cyclopenta[def...	18.15	4.6	ng/ul	1913860	4	17.09	8365180	20.0
Methylcarbazole	18.30	2.8	ng/ul	1185290	4	17.09	8365180	20.0
Anthrone	18.35	4.8	ng/ul	1986710	4	17.09	8365180	20.0
9,10-Anthracenedione	18.50	12.2	ng/ul	5080320	4	17.09	8365180	20.0
Phenanthrene, 2,5...	18.89	3.4	ng/ul	1438570	4	17.09	8365180	20.0
Phenanthrene, 3,6...	18.93	2.3	ng/ul	942837	4	17.09	8365180	20.0
Cyclopenta(def)ph...	19.02	7.2	ng/ul	3013500	4	17.09	8365180	20.0
Pyrene, 1-methyl-	19.98	3.4	ng/ul	4728060	5	21.29	27766400	20.0
Fluoranthene, 2-m...	20.17	3.8	ng/ul	5299330	5	21.29	27766400	20.0
11H-Benzo[a]fluor...	20.76	3.4	ng/ul	4735420	5	21.29	27766400	20.0
Benzo[b]naphtho[2...	20.93	3.8	ng/ul	5215510	5	21.29	27766400	20.0
Benzo[c]phenanthrene	20.97	2.5	ng/ul	3494090	5	21.29	27766400	20.0
Cyclopenta[cd]pyrene	21.00	3.9	ng/ul	5390780	5	21.29	27766400	20.0
Benzo(c)carbazole	21.55	2.4	ng/ul	3388530	5	21.29	27766400	20.0
Triphenylene, 2-m...	21.83	2.6	ng/ul	3557400	5	21.29	27766400	20.0
Benz[a]anthracene...	21.89	2.2	ng/ul	3048740	5	21.29	27766400	20.0
Anthracene, 9-phe...	22.59	12.9	ng/ul	3942360	6	23.52	6113890	20.0
Dinaphtho[1,2-b:1...	23.16	8.1	ng/ul	2459970	6	23.52	6113890	20.0
(DEL) Alkane: Str...	24.07	12.7	ng/ul	3874900	6	23.52	6113890	20.0
unknown-01	26.08	157.4	ng/ul	48119700	6	23.52	6113890	20.0
Cobalt, bis(1,3-d...	27.09	6.5	ng/ul	1983630	6	23.52	6113890	20.0