LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
Data File : BN001989.D
Acq On : 06 Jul 2018 14:39
Operator : JU/SJ
Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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	3.023	3	6	22	rVB	965181	1447281	1.69%	0.139%
2	7.711	794	803	812	rBV	2527781	4120112	4.82%	0.396%
3	8.411	915	922	928	rVV	767737	1248044	1.46%	0.120%
4	10.105	1204	1210	1220	rVB	819351	1389377	1.63%	0.133%
5	10.481	1266	1274	1279	rBV	3783143	6418643	7.51%	0.616%
6	10.534	1279	1283	1290	rVV	1383605	2328614	2.72%	0.224%
7	11.981	1521	1529	1538	rBV	674398	1410463	1.65%	0.135%
8	12.146	1550	1557	1566	rVB	809459	1307813	1.53%	0.126%
9	13.663	1805	1815	1820	rBV2	2912913	4419523	5.17%	0.424%
10	13.751	1825	1830	1834	rVV	1339446	1916024	2.24%	0.184%
11	14.028	1870	1877	1878	rBV	1673332	2178930	2.55%	0.209%
12	14.057	1878	1882	1893	rVB	4592493	7394874	8.65%	0.710%
13	14.340	1920	1930	1936	rBV2	5100720	8085268	9.46%	0.776%
14	14.398	1936	1940	1948	rVB	1038453	1718741	2.01%	0.165%
15	14.740	1992	1998	2007	rVB	1247162	2044382	2.39%	0.196%
16	15.334	2093	2099	2104	rVV	2229667	3308979	3.87%	0.318%
17	15.387	2104	2108	2115	rVB	1406486	2009573	2.35%	0.193%
18	16.057	2216	2222	2227	rBV2	1458987	2661500	3.11%	0.256%
19	16.740	2333	2338	2345	rVB	1929197	2860258	3.35%	0.275%
20	16.904	2362	2366	2374	rVB	721677	1344152	1.57%	0.129%
21	17.087	2391	2397	2400	rBV	5655680	8313401	9.73%	0.798%
22	17.128	2400	2404	2409	rVB	9348097	12971762	15.17%	1.246%
23	17.187	2409	2414	2415	rBV	1760527	2300050	2.69%	0.221%
24	17.228	2415	2421	2425	rVB	26917333	42906413	50.19%	4.120%
25	17.275	2425	2429	2437	rVB2	1365517	2193652	2.57%	0.211%
26	17.492	2457	2466	2470	rBV	11062916	16865023	19.73%	1.619%
27	17.604	2481	2485	2491	rVB3	900807	1284381	1.50%	0.123%
28	17.957	2539	2545	2548	rVV2	1192068	2024433	2.37%	0.194%
29	18.004	2548	2553	2561	rVB2	2983950	5080110	5.94%	0.488%
30	18.086	2561	2567	2572	rBV	3829661	5979127	6.99%	0.574%
31	18.157	2573	2579	2583	rVV2	3067654	5942552	6.95%	0.571%
32	18.192	2583	2585	2592	rVB	1342454	1647272	1.93%	0.158%
33	18.269	2592	2598	2601	rBV3	1177139	2305193	2.70%	0.221%
34	18.310	2601	2605	2609	rVV	1021848	1872042	2.19%	0.180%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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	18.351	2609	2612	2617	rVB	1448892	2047773	2.40%	0.197%
36	18.510	2634	2639	2644	rVB	5548742	7810765	9.14%	0.750%
37	18.716	2670	2674	2677	rVV2	891559	1297995	1.52%	0.125%
38	18.763	2678	2682	2685	rVV	1251033	1778677	2.08%	0.171%
39	18.804	2685	2689	2693	rVB	1328652	1745052	2.04%	0.168%
40	18.886	2698	2703	2708	rBV2	2510265	4760724	5.57%	0.457%
41	18.945	2709	2713	2717	rVV3	1263823	2581954	3.02%	0.248%
42	19.033	2722	2728	2735	rVB	5858389	9154246	10.71%	0.879%
43	19.163	2742	2750	2756	rBV2	37022294	63715273	74.54%	6.118%
44	19.222	2756	2760	2762	rBV	1049931	1358010	1.59%	0.130%
45	19.251	2762	2765	2769	rVV2	1211411	1493294	1.75%	0.143%
46	19.298	2769	2773	2779	rVV2	1710439	2727297	3.19%	0.262%
47	19.392	2786	2789	2793	rVB	1459093	1797391	2.10%	0.173%
48	19.528	2800	2812	2818	rBV3	37492002	80258059	93.89%	7.706%
49	19.592	2818	2823	2830	rVB3	2978780	5424803	6.35%	0.521%
50	19.692	2836	2840	2846	rBV	2853819	4362075	5.10%	0.419%
51	19.757	2847	2851	2856	rVB2	2853571	4594063	5.37%	0.441%
52	19.845	2860	2866	2872	rBV5	6435308	15302227	17.90%	1.469%
53	19.980	2883	2889	2893	rBV4	6037872	14325746	16.76%	1.376%
54	20.110	2908	2911	2915	rVV2	2386227	2968399	3.47%	0.285%
55	20.169	2915	2921	2926	rVV3	8343085	15654620	18.31%	1.503%
56	20.216	2926	2929	2932	rVB2	1533226	1800276	2.11%	0.173%
57	20.257	2932	2936	2941	rBV	1620348	2329970	2.73%	0.224%
58	20.316	2941	2946	2949	rBV	5234734	7428853	8.69%	0.713%
59	20.363	2949	2954	2958	rVB3	3207244	5279226	6.18%	0.507%
60	20.569	2986	2989	2993	rBV3	1568432	2983007	3.49%	0.286%
61	20.680	3005	3008	3011	rBV3	1404596	1680384	1.97%	0.161%
62	20.769	3019	3023	3029	rBV	11512027	15409011	18.03%	1.480%
63	20.851	3033	3037	3044	rVV2	4151775	6276020	7.34%	0.603%
64	20.927	3045	3050	3054	rVV2	9118679	16450178	19.24%	1.580%
65	20.975	3054	3058	3061	rVV	8293141	11905573	13.93%	1.143%
66	21.016	3061	3065	3069	rVV2	10132290	16658976	19.49%	1.600%
67	21.069	3070	3074	3085	rVB	7470529	11670321	13.65%	1.121%
68	21.286	3102	3111	3114	rBV3	29011176	57483597	67.25%	5.519%
69	21.339	3116	3120	3129	rVB	29213099	47168693	55.18%	4.529%
70	21.410	3129	3132	3135	rVB4	1472257	1688400	1.98%	0.162%
71	21.457	3135	3140	3144	rBV3	2929691	5843497	6.84%	0.561%

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Operator : JU/SJ
Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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

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Peak separation: 5

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

72	21.557	3153	3157	3160	rVB	6550927	9229758	10.80%	0.886%
73	21.598	3160	3164	3170	rBV3	4768110	7619881	8.91%	0.732%
74	21.651	3170	3173	3177	rBV2	3292182	4343668	5.08%	0.417%
75	21.786	3192	3196	3199	rBV2	2510989	3744837	4.38%	0.360%
76	21.845	3199	3206	3210	rVV2	6993936	12352492	14.45%	1.186%
77	21.898	3210	3215	3222	rVV2	5256404	9908949	11.59%	0.951%
78	22.039	3235	3239	3242	rBV	3782679	5558624	6.50%	0.534%
79	22.139	3251	3256	3260	rVB3	2636183	4062789	4.75%	0.390%
80	22.327	3279	3288	3291	rBV3	3364715	7816736	9.14%	0.751%
81	22.498	3313	3317	3322	rVB2	2603912	4281154	5.01%	0.411%
82	22.616	3330	3337	3347	rVB4	5731743	13938197	16.31%	1.338%
83	22.745	3355	3359	3363	rVB	2371079	3723202	4.36%	0.357%
84	22.886	3373	3383	3387	rBV3	29289641	85481168	100.00%	8.208%
85	23.039	3404	3409	3419	rVB	6689161	11172948	13.07%	1.073%
86	23.169	3426	3431	3440	rBV2	2886316	7703225	9.01%	0.740%
87	23.357	3455	3463	3469	rVV	16112424	32719284	38.28%	3.142%
88	23.451	3472	3479	3484	rVB	16886226	32349581	37.84%	3.106%
89	23.533	3490	3493	3497	rBV	1575908	2672459	3.13%	0.257%
90	23.586	3497	3502	3510	rVB2	6720522	14454589	16.91%	1.388%
91	24.074	3579	3585	3595	rVB2	5846490	12389752	14.49%	1.190%
92	24.174	3597	3602	3611	rBV4	1266436	3835121	4.49%	0.368%
93	25.098	3753	3759	3764	rBV	1642373	3670182	4.29%	0.352%
94	25.263	3780	3787	3794	rVB3	4034845	10065537	11.78%	0.966%
95	25.551	3830	3836	3852	rVB3	3169321	9534971	11.15%	0.916%
96	25.692	3854	3860	3866	rBV2	1586309	4064496	4.75%	0.390%
97	25.798	3867	3878	3889	rVB2	11332189	38346429	44.86%	3.682%
98	26.086	3916	3927	3941	rVB2	10179846	33639487	39.35%	3.230%
99	26.486	3984	3995	4004	rVB	5483715	17523091	20.50%	1.683%
100	28.409	4315	4322	4335	rVB3	1887690	6753082	7.90%	0.648%

Sum of corrected areas: 1041468076

LSC Report - Integrated Chromatogram

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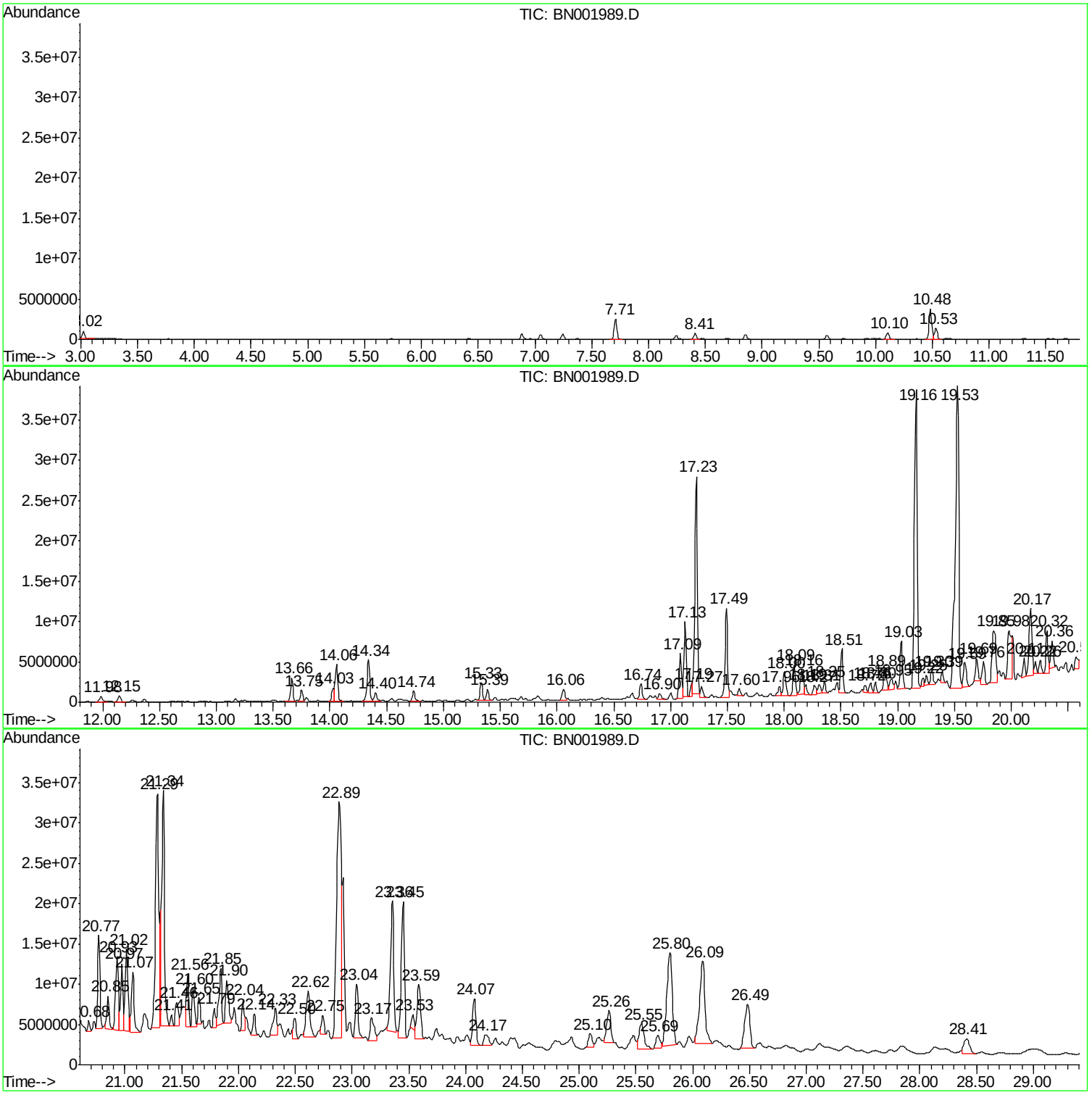
Data File : BN001989.D
Acq On : 06 Jul 2018 14:39
Operator : JU/SJ
Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
Data File : BN001989.D
Acq On : 06 Jul 2018 14:39
Operator : JU/SJ
Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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

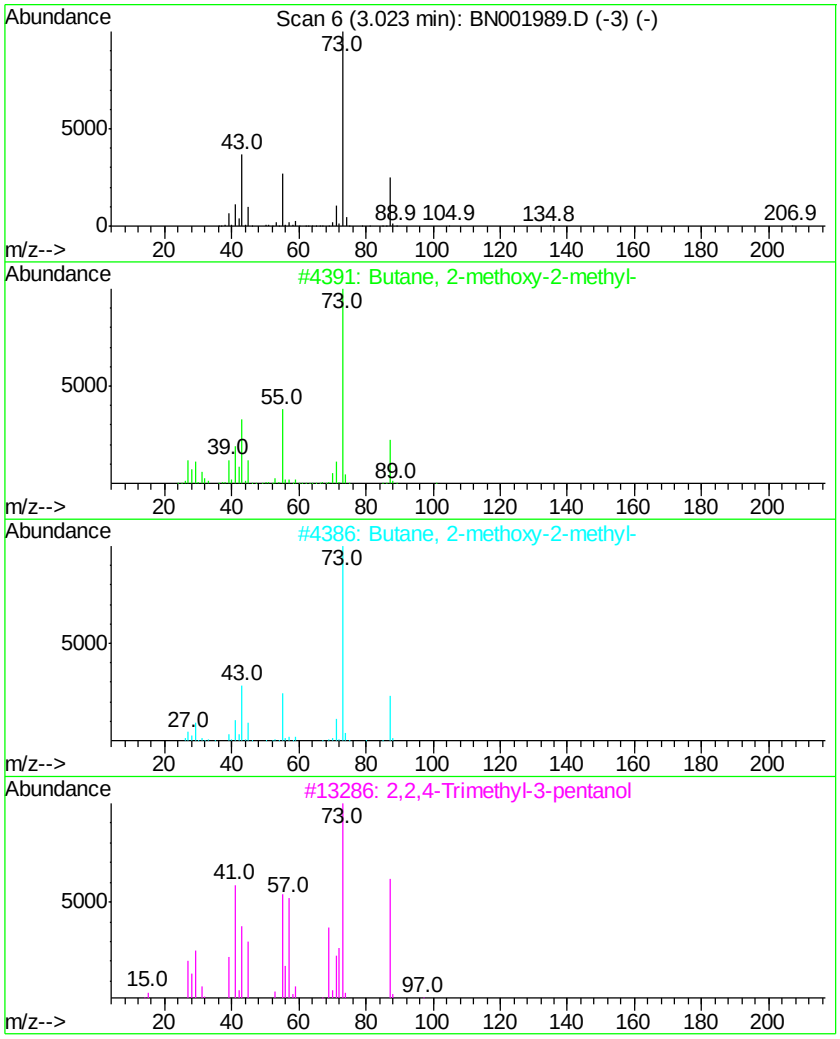
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

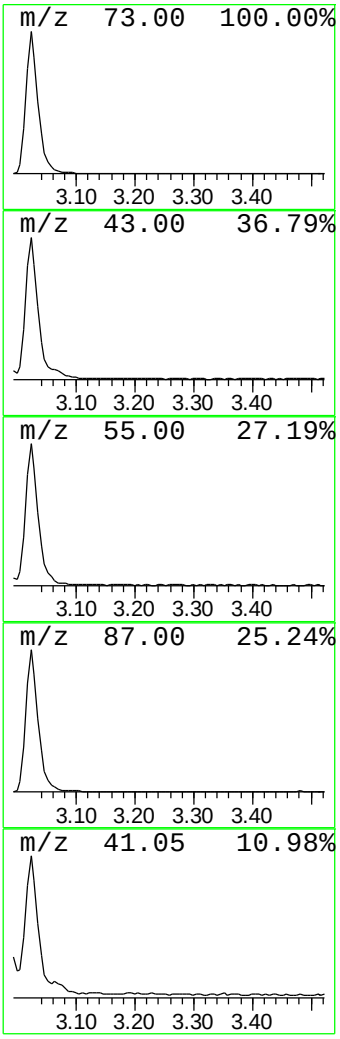
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	7.03 ng/ul	1447280	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	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12





Library Search Compound Report

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Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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

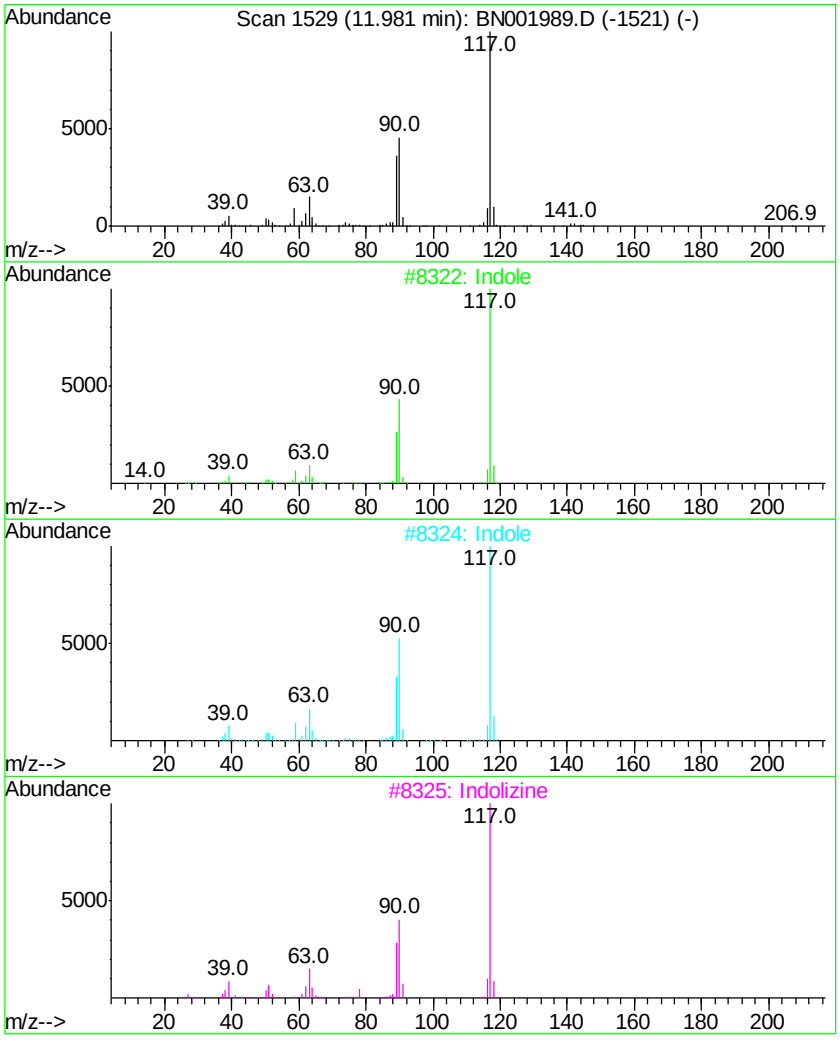
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

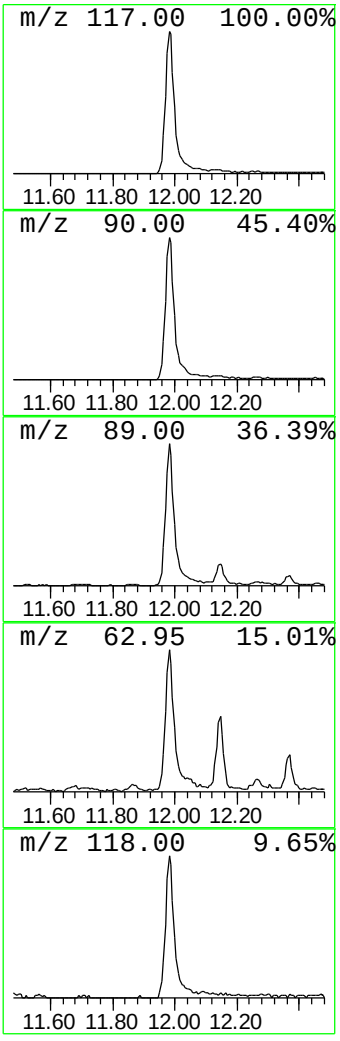
****

Peak Number 2 Indole Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	4.39 ng/ul	1410460	Naphthalene-d8	10.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indole	117	C8H7N	000120-72-9	94
2	Indole	117	C8H7N	000120-72-9	93
3	Indolizine	117	C8H7N	000274-40-8	90
4	5H-1-Pyrindine	117	C8H7N	000270-91-7	87
5	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	83





Library Search Compound Report

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Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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

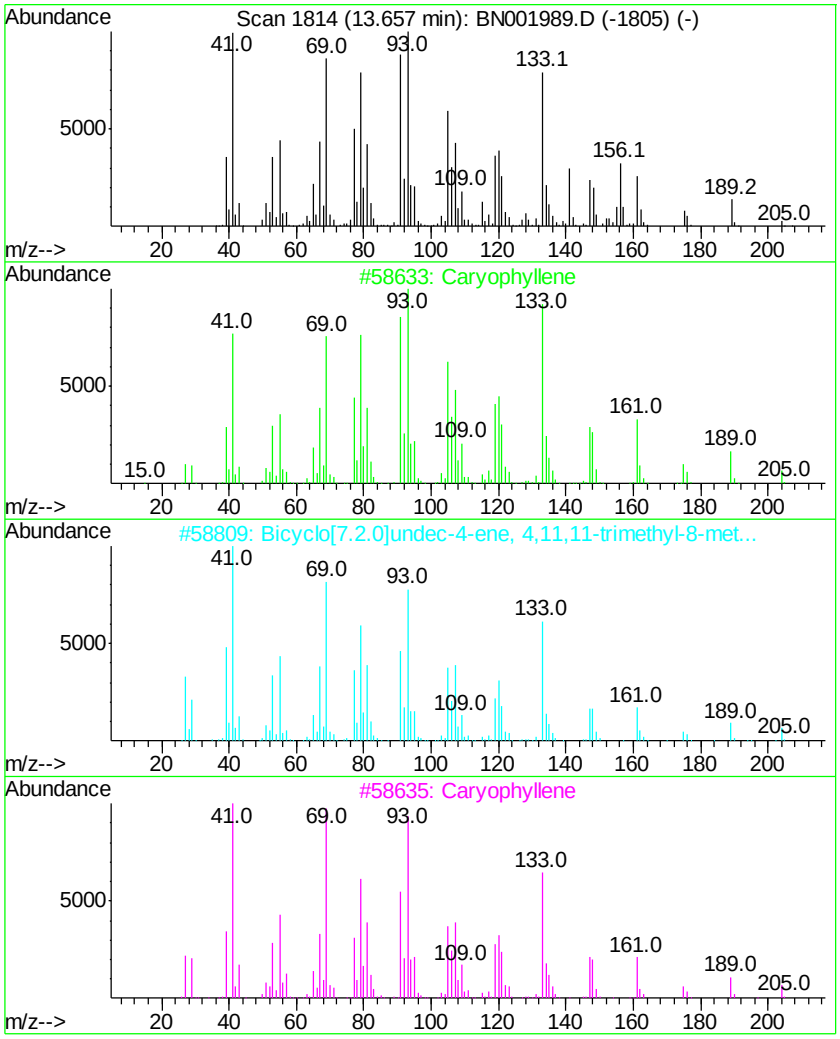
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

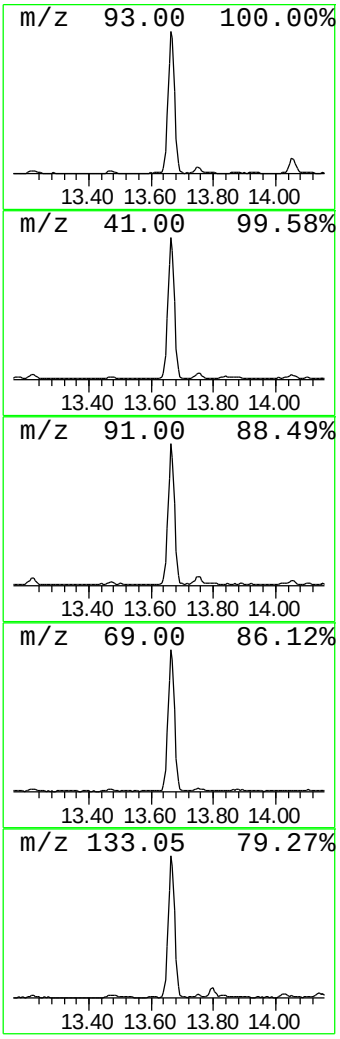
****

Peak Number 3 Caryophyllene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	10.93 ng/ul	4419520	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Caryophyllene	204	C15H24	000087-44-5	94
2	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	000118-65-0	91
3	Caryophyllene	204	C15H24	000087-44-5	91
4	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	013877-93-5	91
5	Caryophyllene	204	C15H24	000087-44-5	86





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Data File : BN001989.D
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Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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

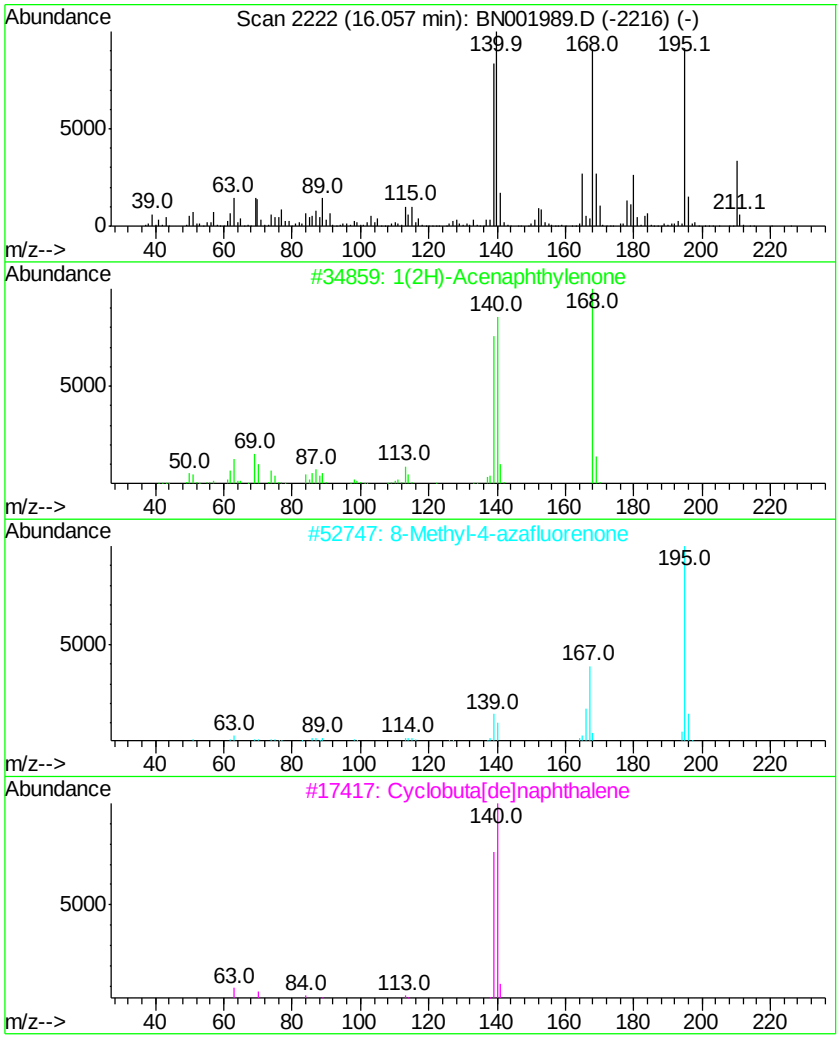
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

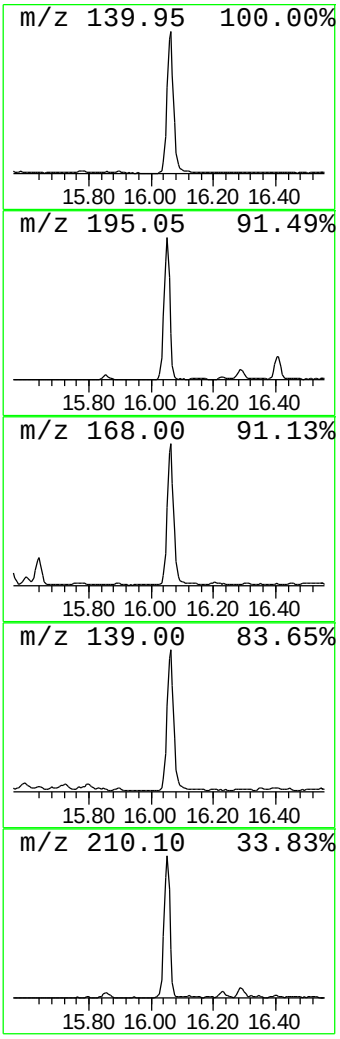
****

Peak Number 4 1(2H)-Acenaphthylenone Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	6.40 ng/ul	2661500	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	91
2	8-Methyl-4-azafluorenone	195	C13H9NO	064292-03-1	38
3	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	25
4	Benzo[c]cinnolin-2-amine	195	C12H9N3	004827-07-0	25
5	4-Aminobenzo[g]quinazoline	195	C12H9N3	033987-04-1	25





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Data File : BN001989.D
Acq On : 06 Jul 2018 14:39
Operator : JU/SJ
Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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

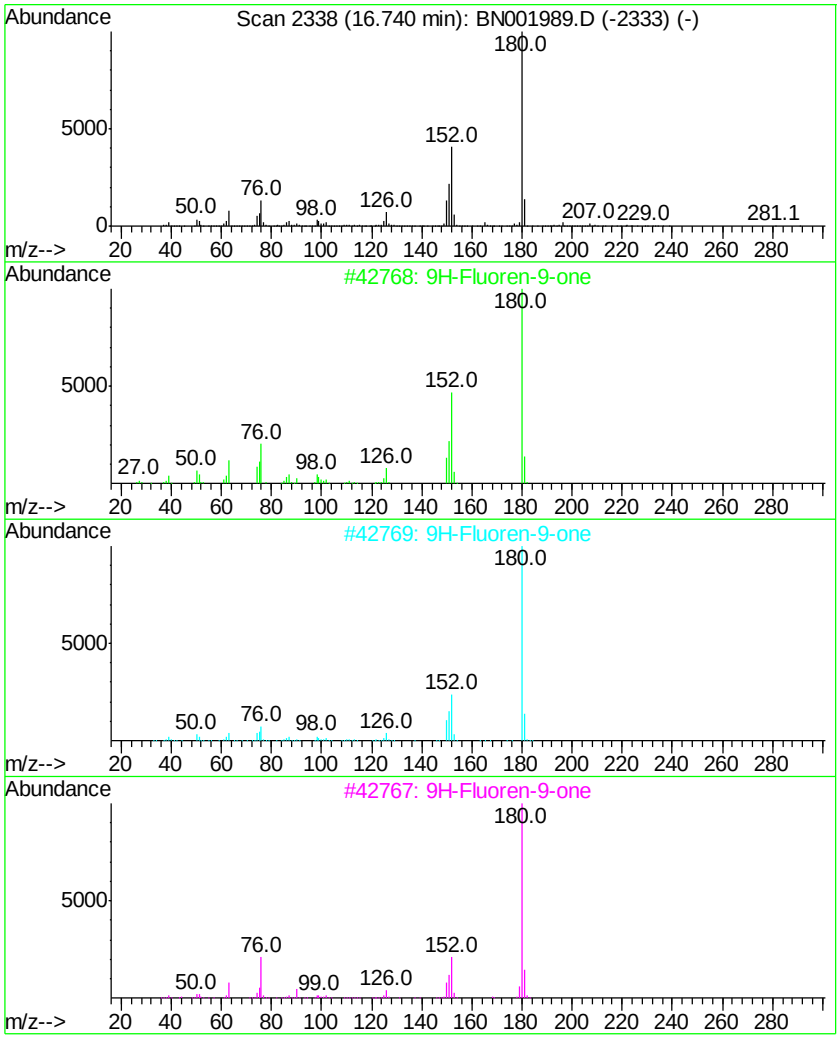
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

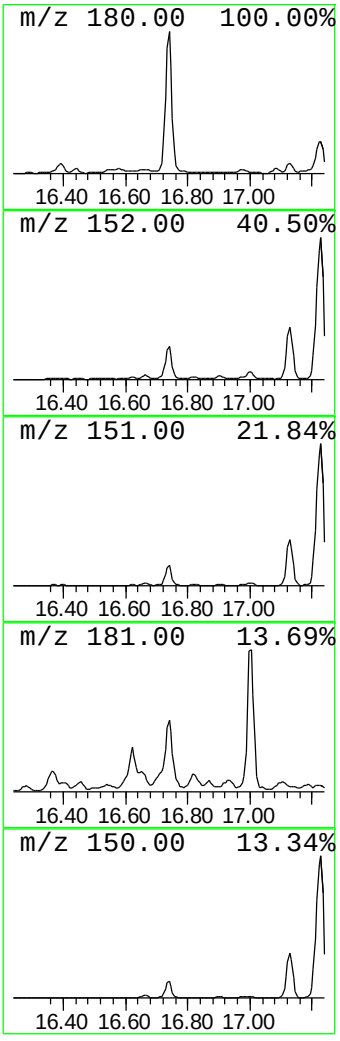
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	6.88 ng/ul	2860260	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	94
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87





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Acq On : 06 Jul 2018 14:39
Operator : JU/SJ
Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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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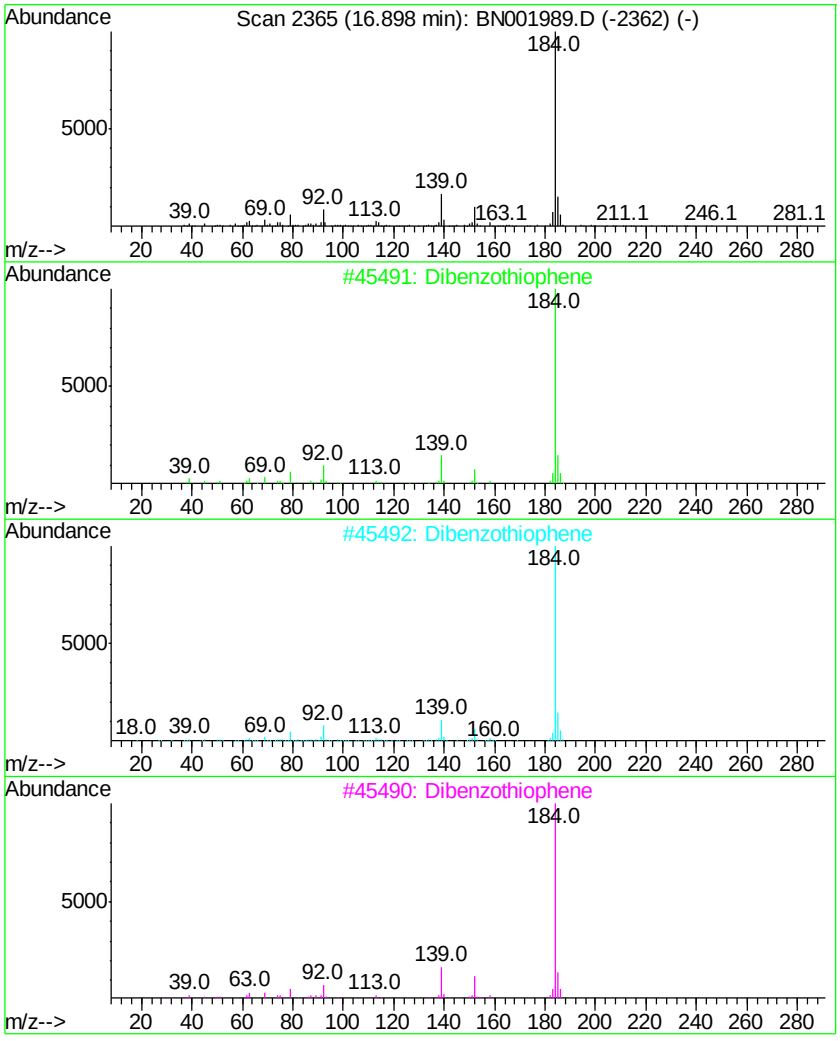
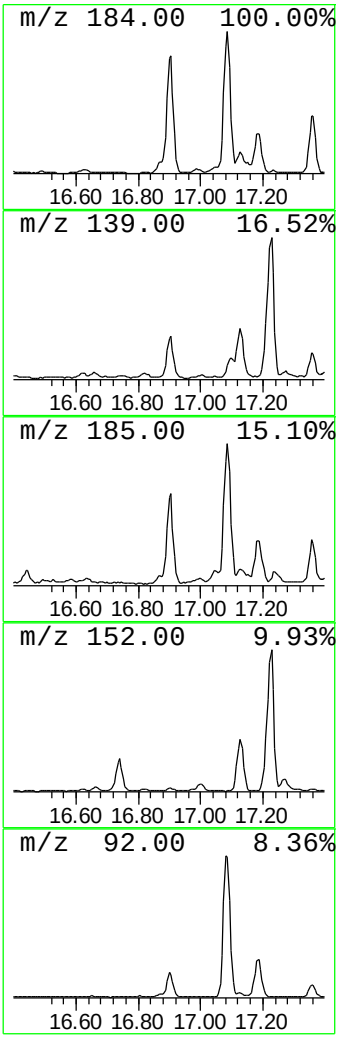
Peak Number 6 Dibenzothiophene Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	3.23 ng/ul	1344150	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93





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Acq On : 06 Jul 2018 14:39
Operator : JU/SJ
Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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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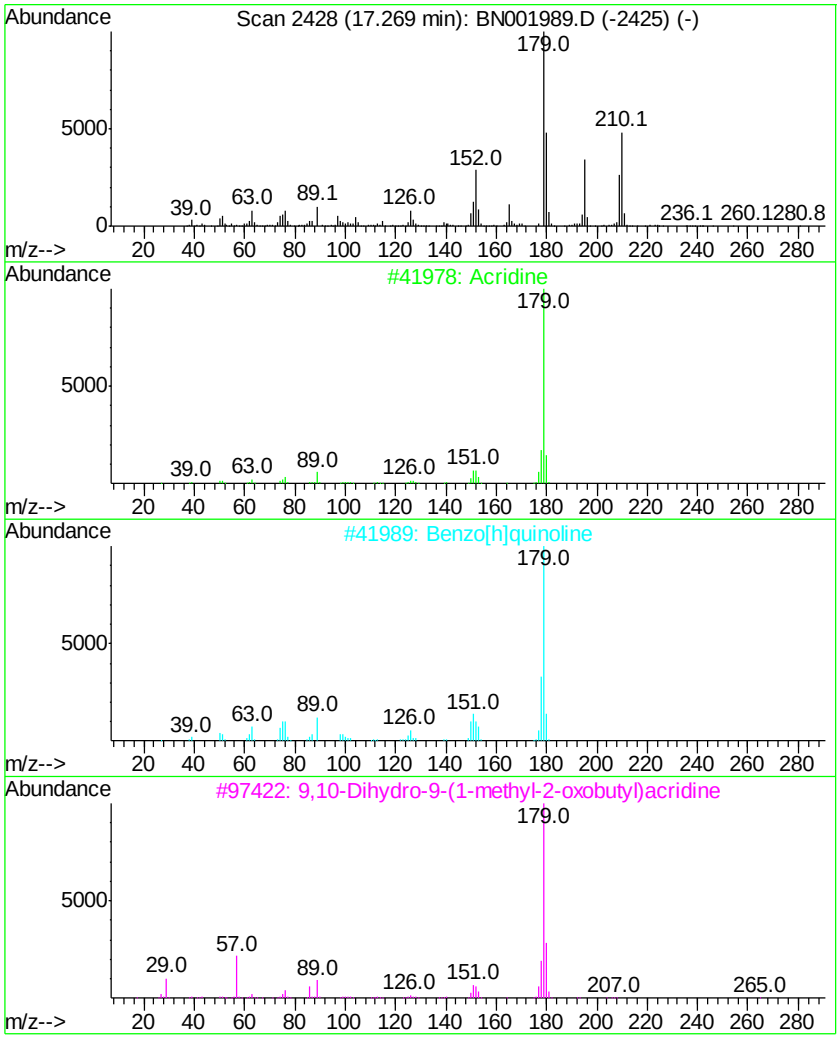
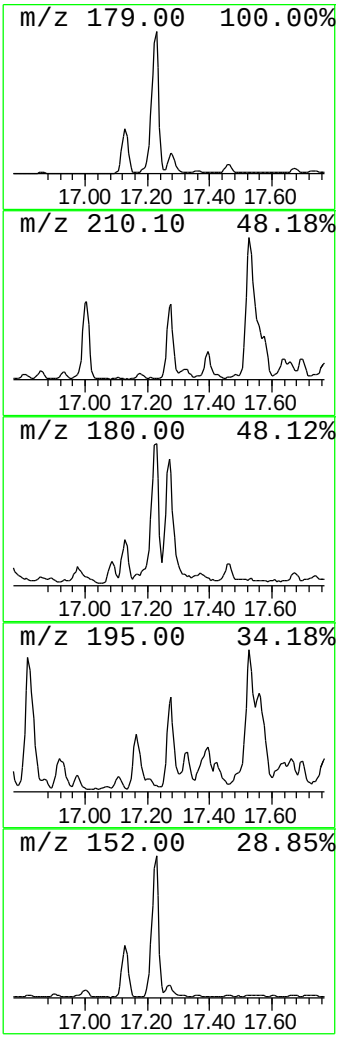
Peak Number 7 unknown-01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	5.28 ng/ul	2193650	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	49
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	45
3	9,10-Dihydro-9-(1-methyl-2-oxobu...	265	C18H19NO	015539-57-8	43
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	43
5	Benzo[g]quinoline	179	C13H9N	000260-36-6	43





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Operator : JU/SJ
Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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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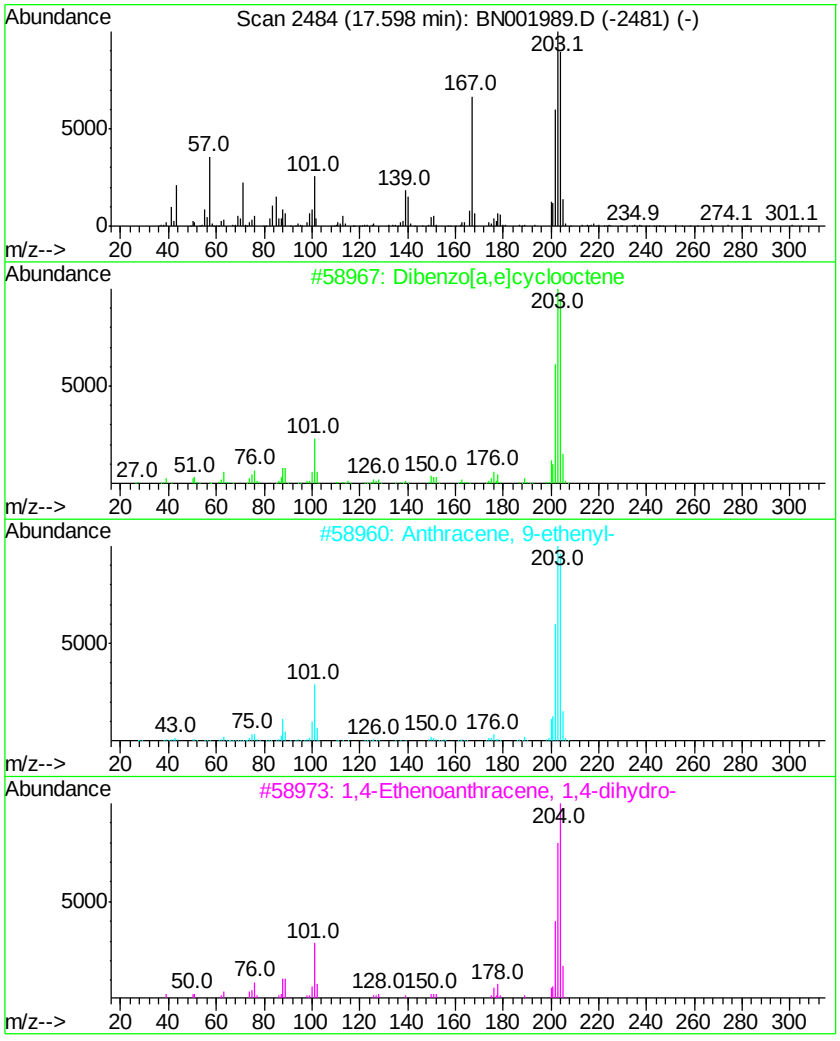
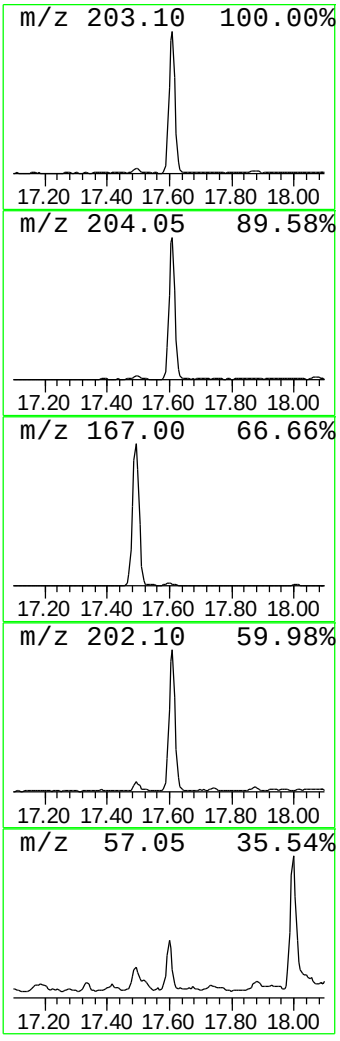
Peak Number 8 Dibenzo[a,e]cyclooctene Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.60	3.09 ng/ul	1284380	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	86
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	86
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	76
4	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	70
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70





Library Search Compound Report

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Data File : BN001989.D
Acq On : 06 Jul 2018 14:39
Operator : JU/SJ
Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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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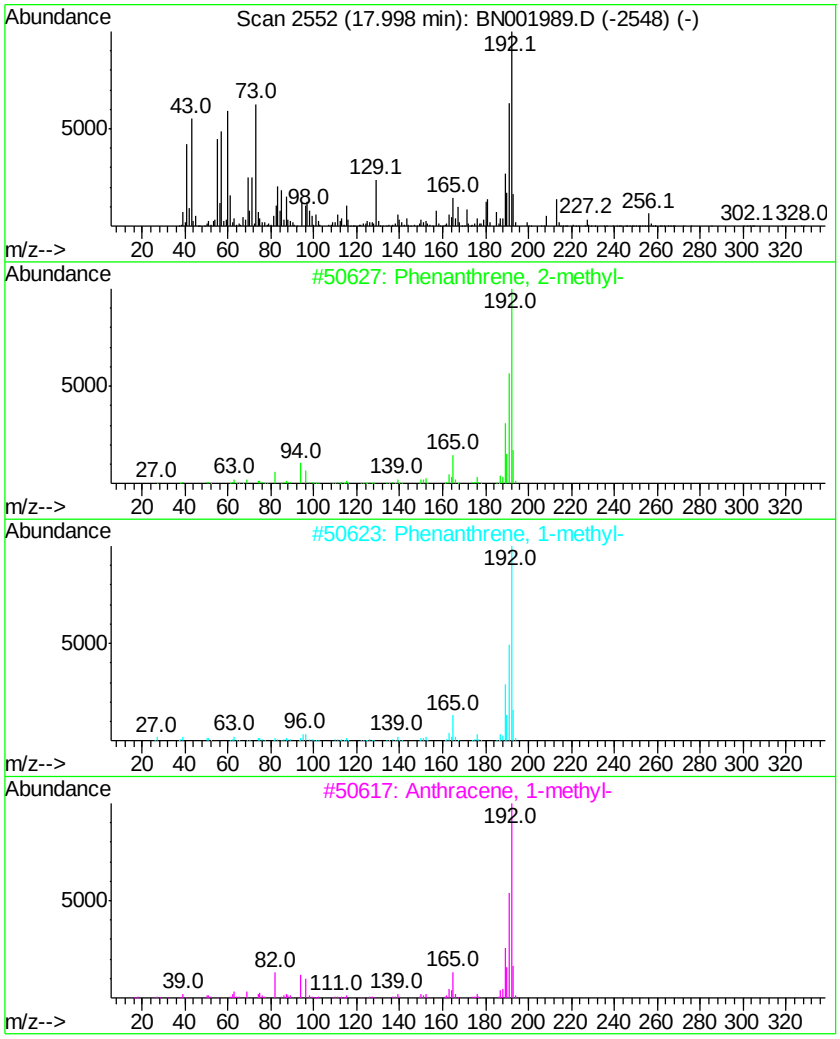
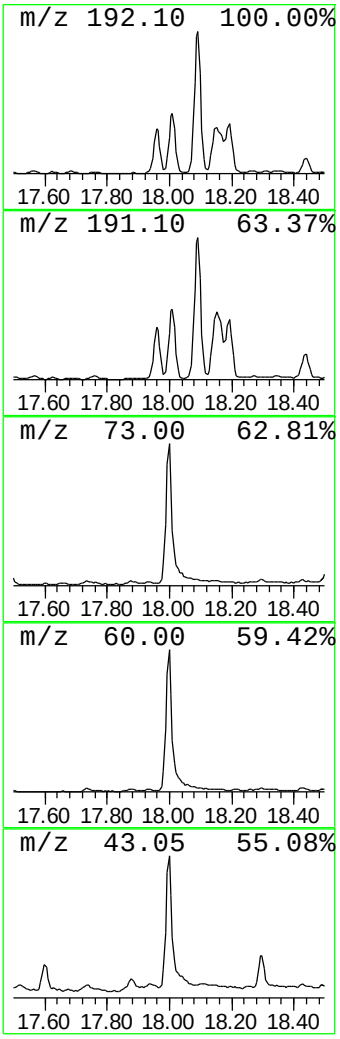
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	12.22 ng/ul	5080110	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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Operator : JU/SJ
Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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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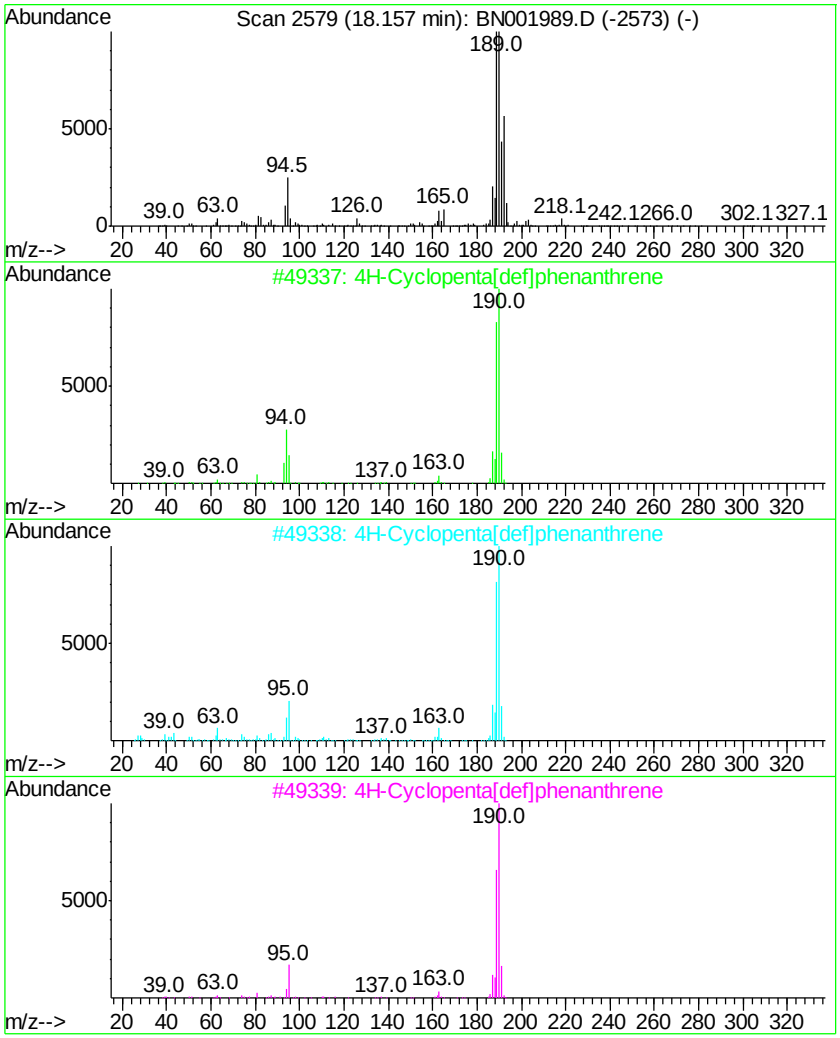
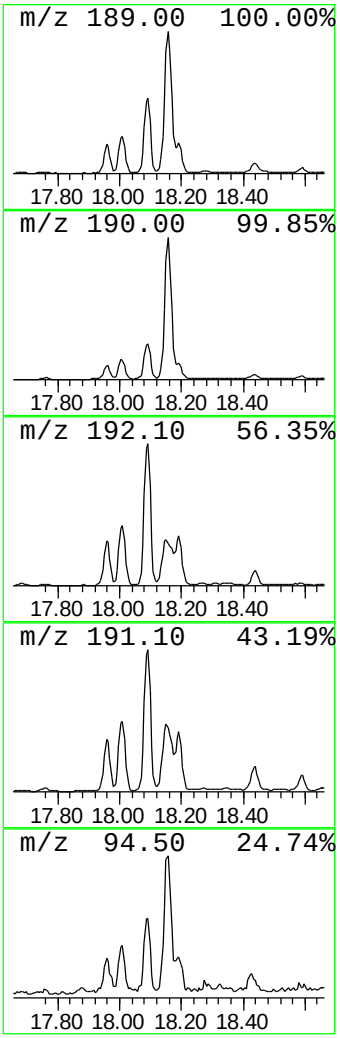
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	14.30 ng/ul	5942550	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	47
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	30
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	20





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Acq On : 06 Jul 2018 14:39
Operator : JU/SJ
Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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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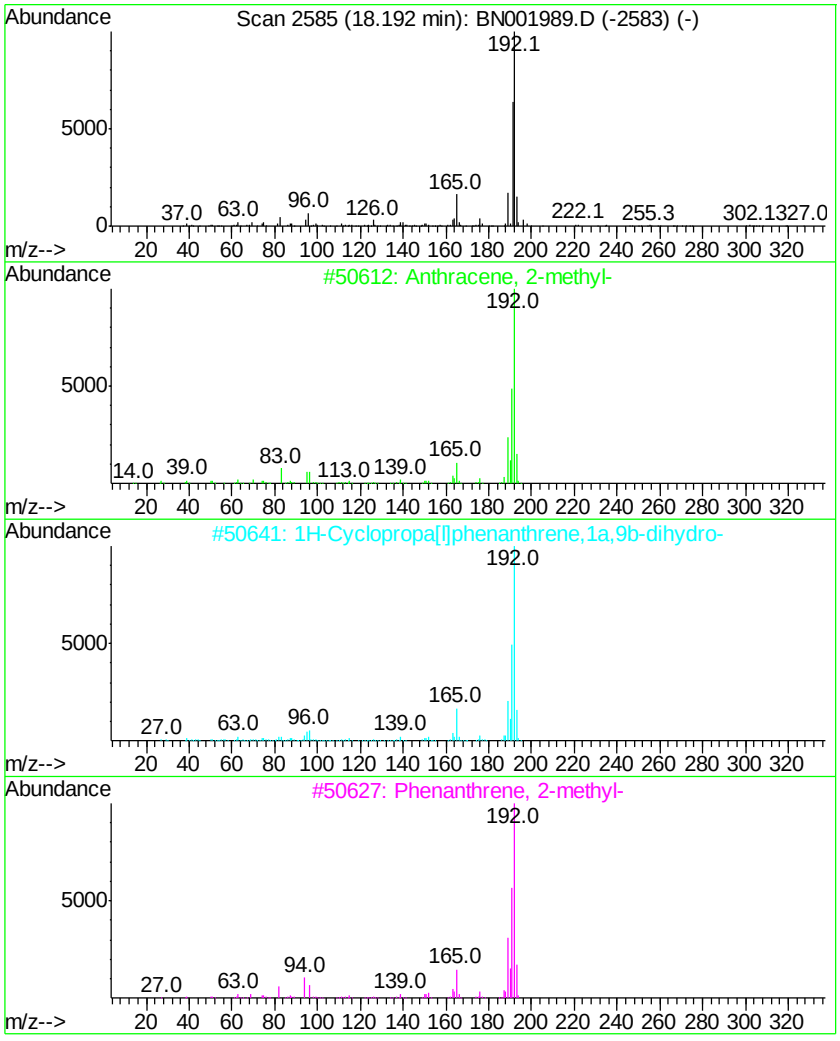
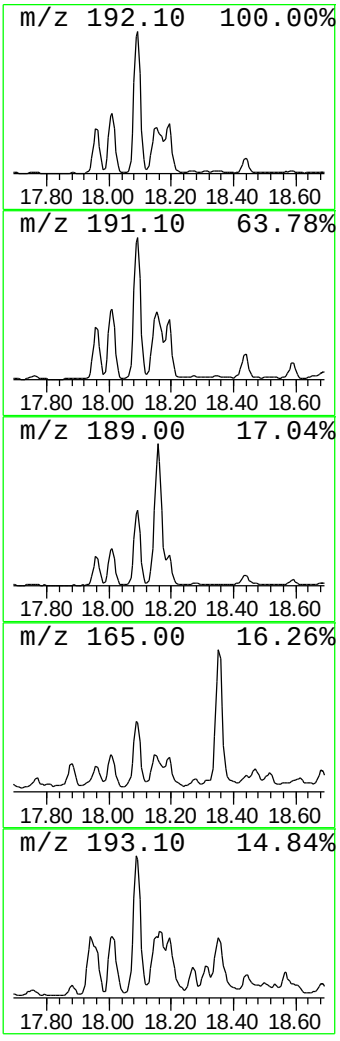
Peak Number 13 Anthracene, 2-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	3.96 ng/ul	1647270	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87





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Acq On : 06 Jul 2018 14:39
Operator : JU/SJ
Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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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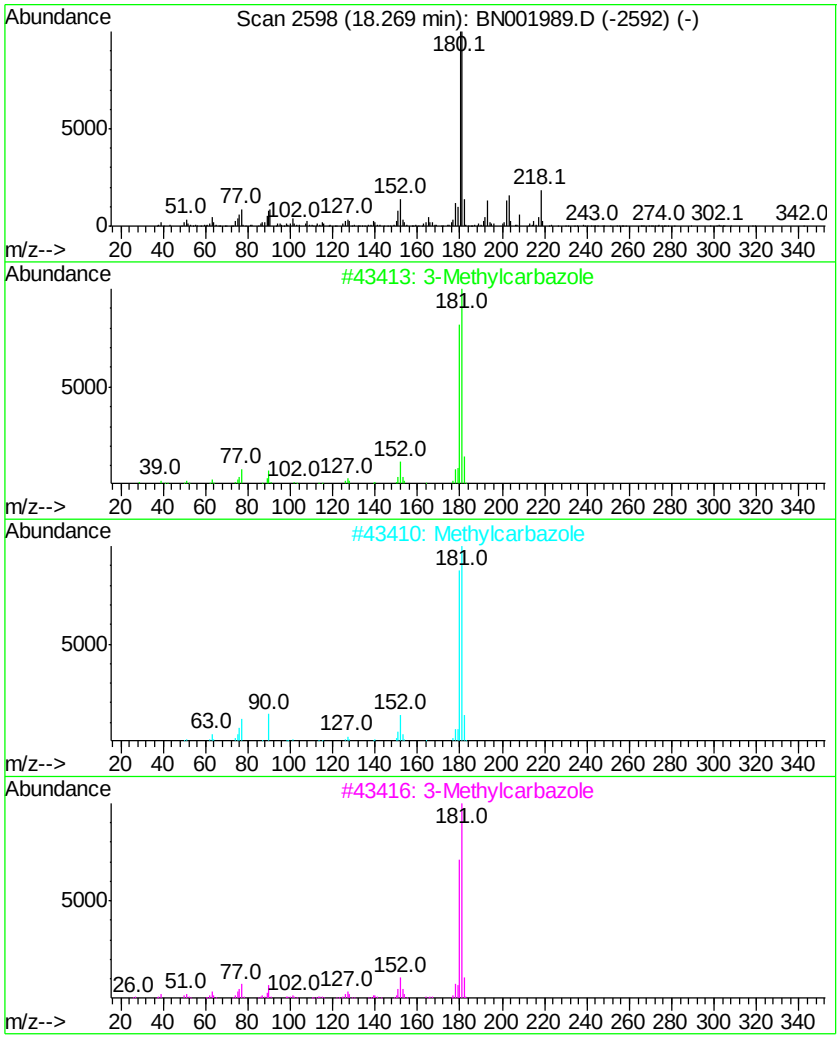
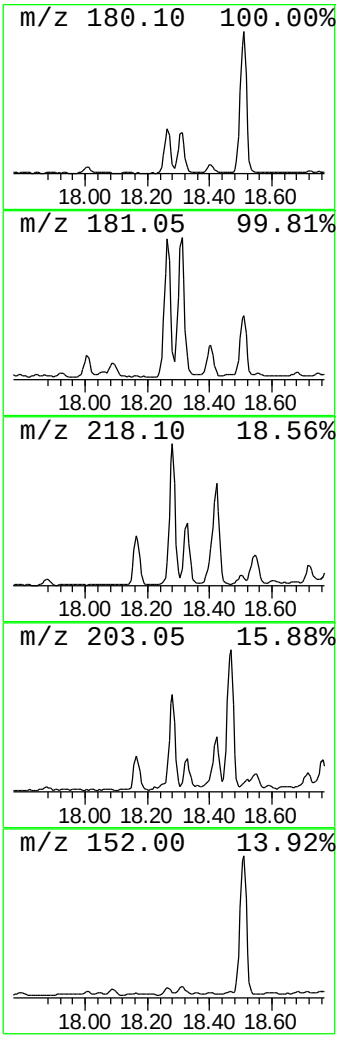
Peak Number 14 3-Methylcarbazole Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	5.55 ng/ul	2305190	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcarbazole	181	C13H11N	004630-20-0	95
2	Methylcarbazole	181	C13H11N	027323-29-1	93
3	3-Methylcarbazole	181	C13H11N	004630-20-0	93
4	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	89
5	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	86





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Operator : JU/SJ
Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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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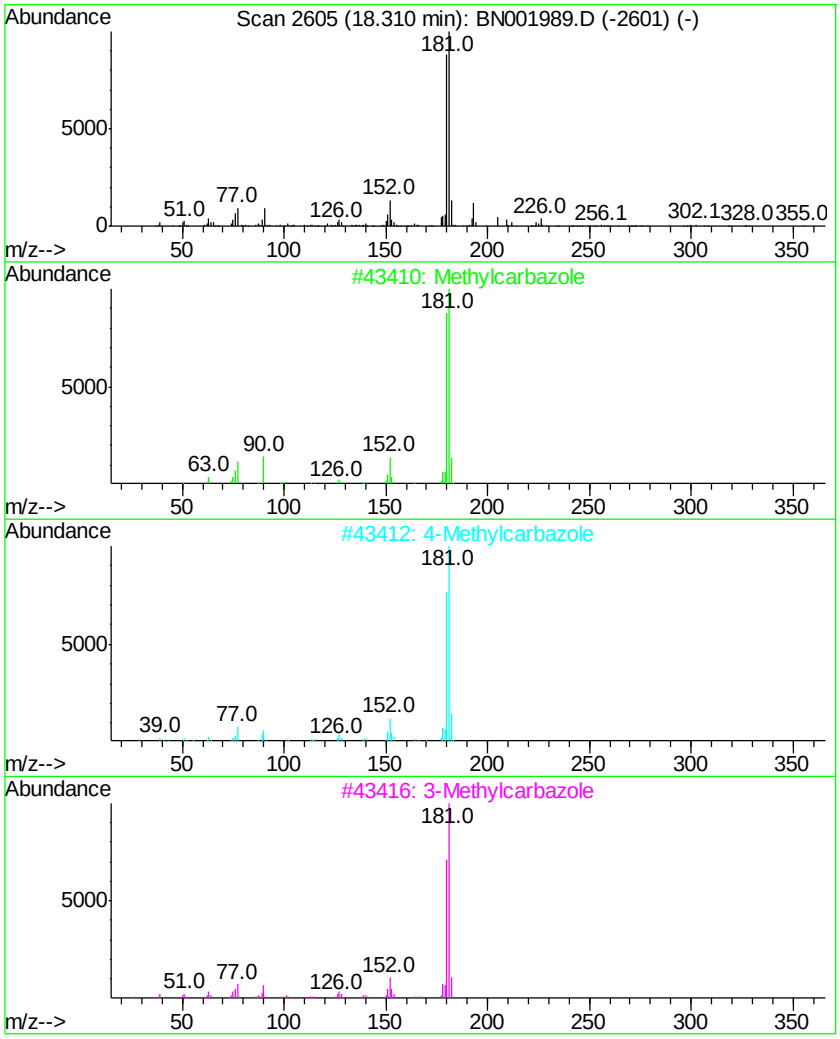
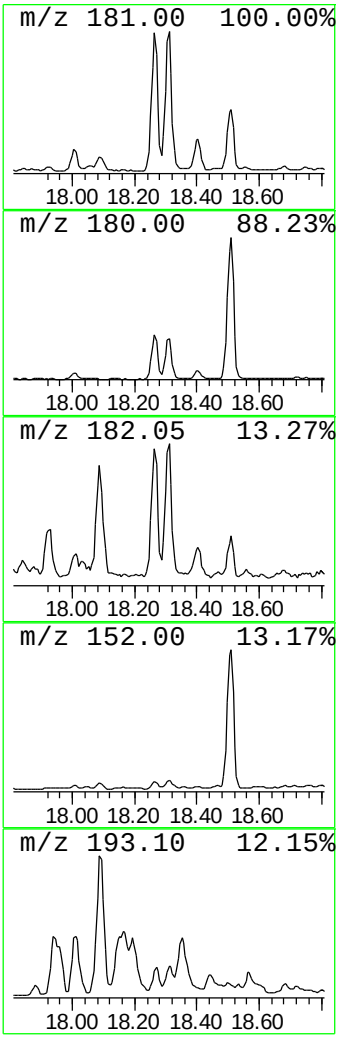
Peak Number 15 Methylcarbazole Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	4.50 ng/ul	1872040	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylcarbazole	181	C13H11N	027323-29-1	95
2	4-Methylcarbazole	181	C13H11N	003770-48-7	93
3	3-Methylcarbazole	181	C13H11N	004630-20-0	92
4	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	91
5	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	91





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Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
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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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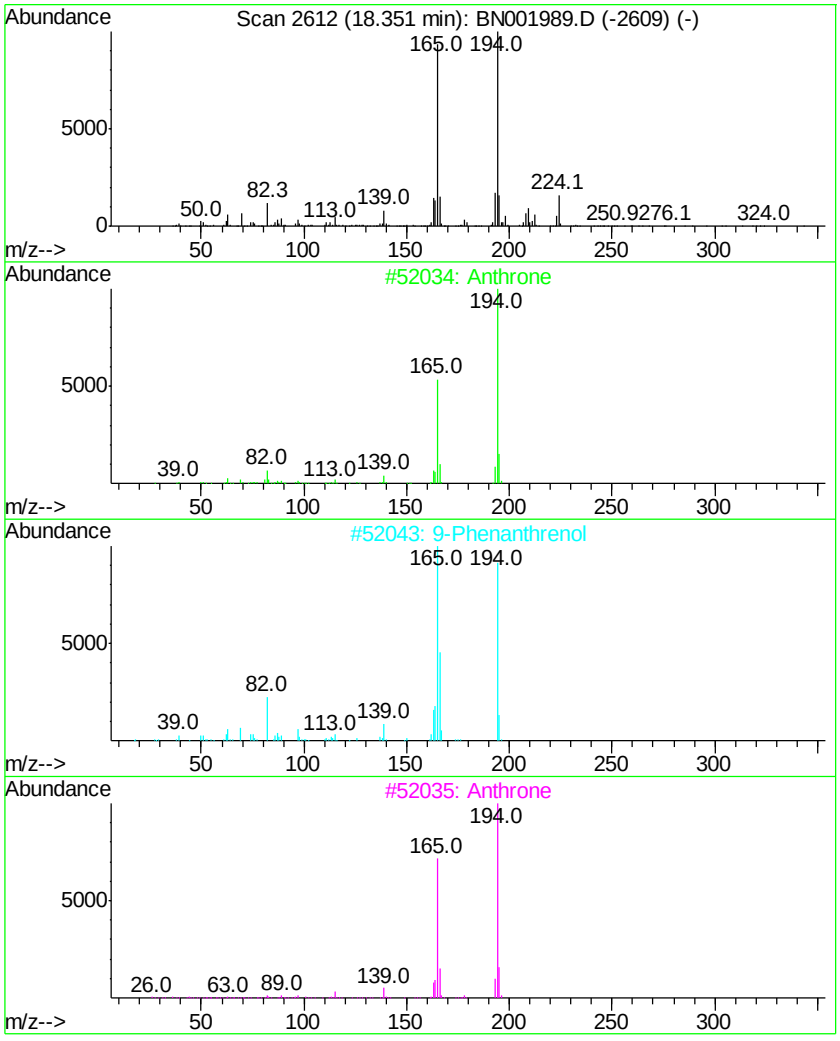
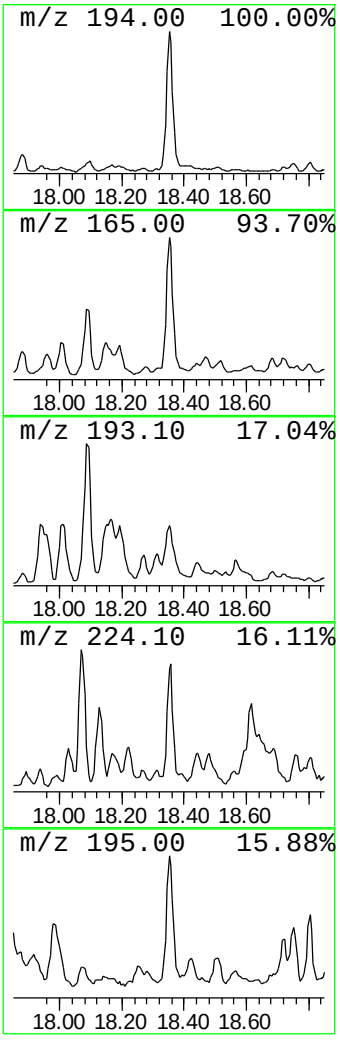
Peak Number 16 Anthrone Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	4.93 ng/ul	2047770	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	93
2	9-Phenanthrenol	194	C14H10O	000484-17-3	89
3	Anthrone	194	C14H10O	000090-44-8	87
4	1(3H)-Isobenzofuranone, 6,7-dime...	194	C10H10O4	000569-31-3	80
5	1(3H)-Isobenzofuranone, 6,7-dime...	194	C10H10O4	000569-31-3	80





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Operator : JU/SJ
Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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Quant Title : SVOA CALIBRATION

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

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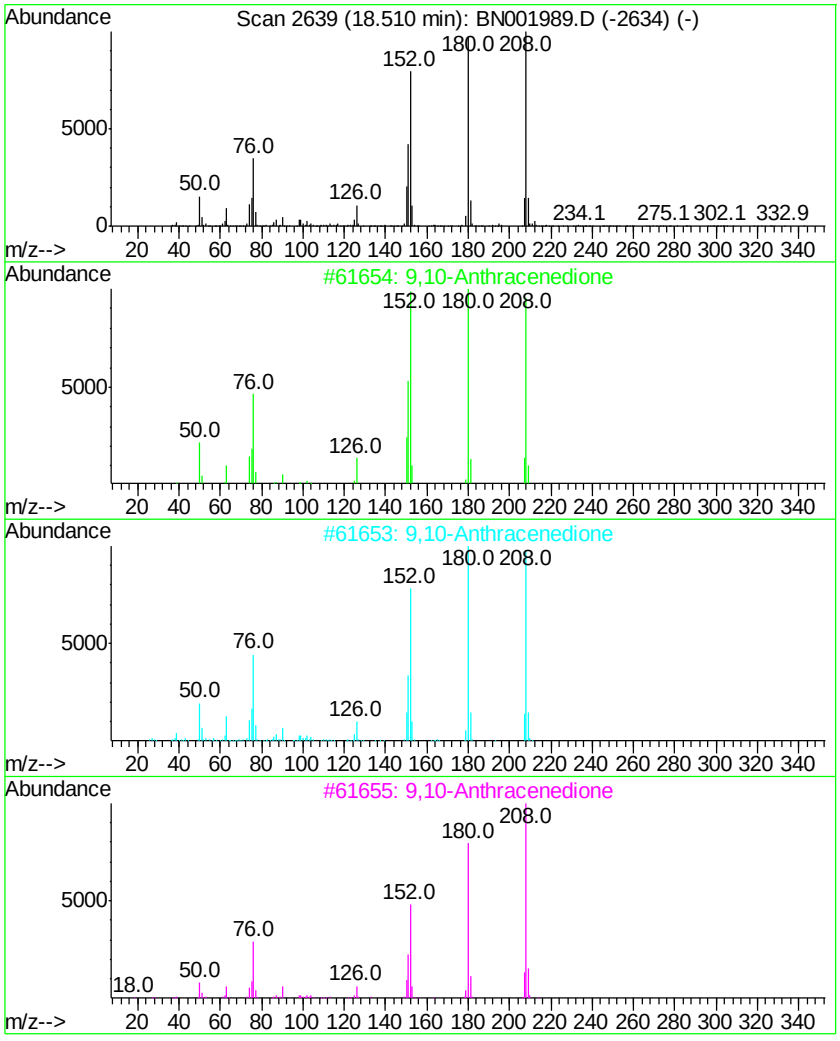
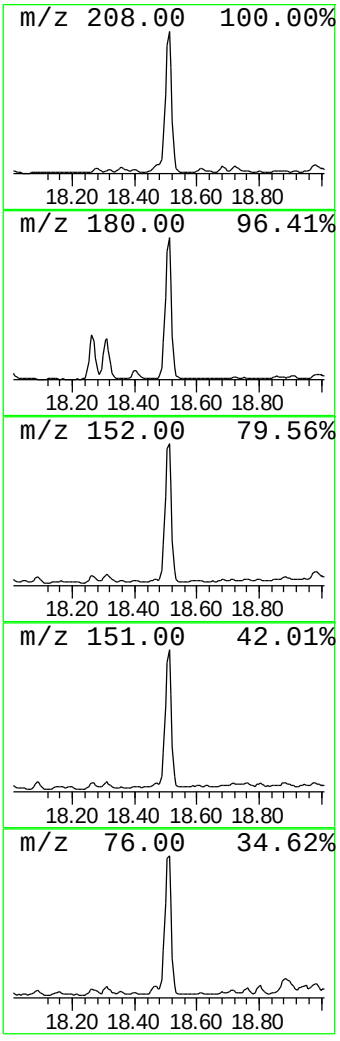
Peak Number 17 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	18.79 ng/ul	7810770	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	99
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83





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Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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Quant Title : SVOA CALIBRATION

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

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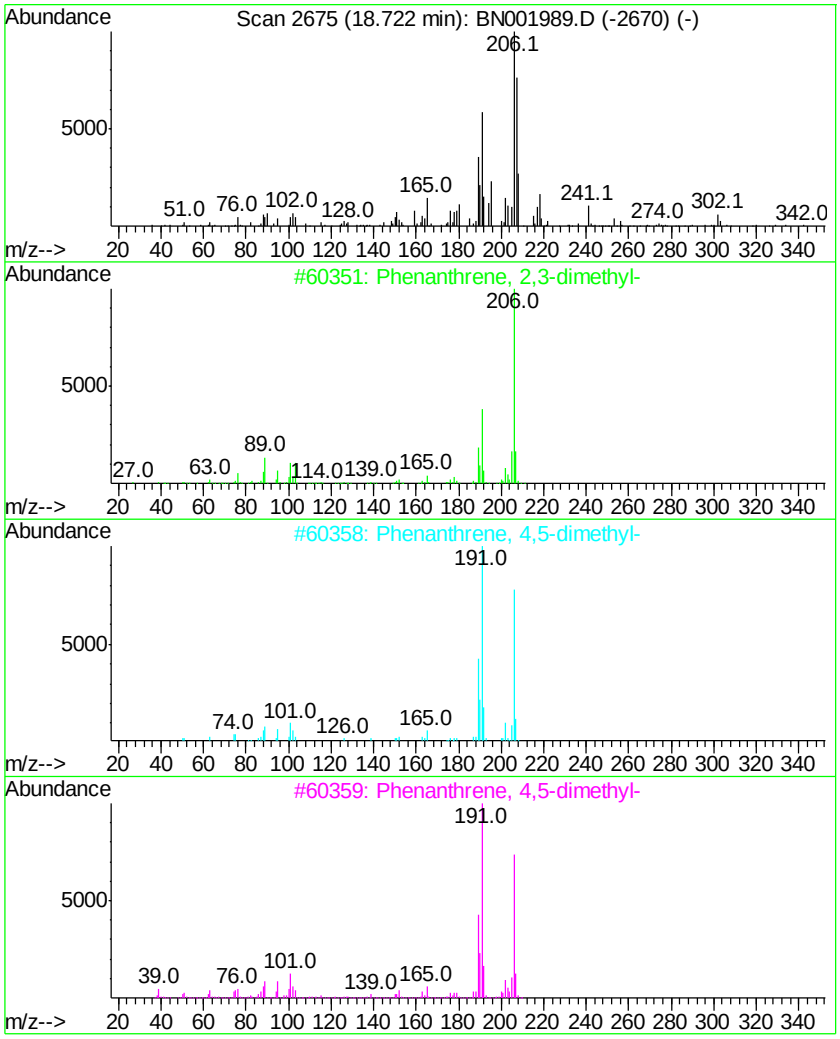
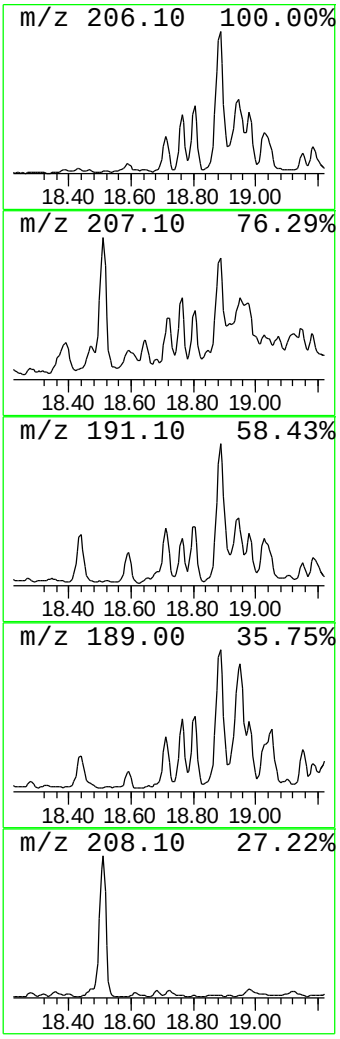
Peak Number 18 Phenanthrene, 2,3-dimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	3.12 ng/ul	1298000	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	76
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	76
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	68
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	64
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	64





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Data File : BN001989.D
Acq On : 06 Jul 2018 14:39
Operator : JU/SJ
Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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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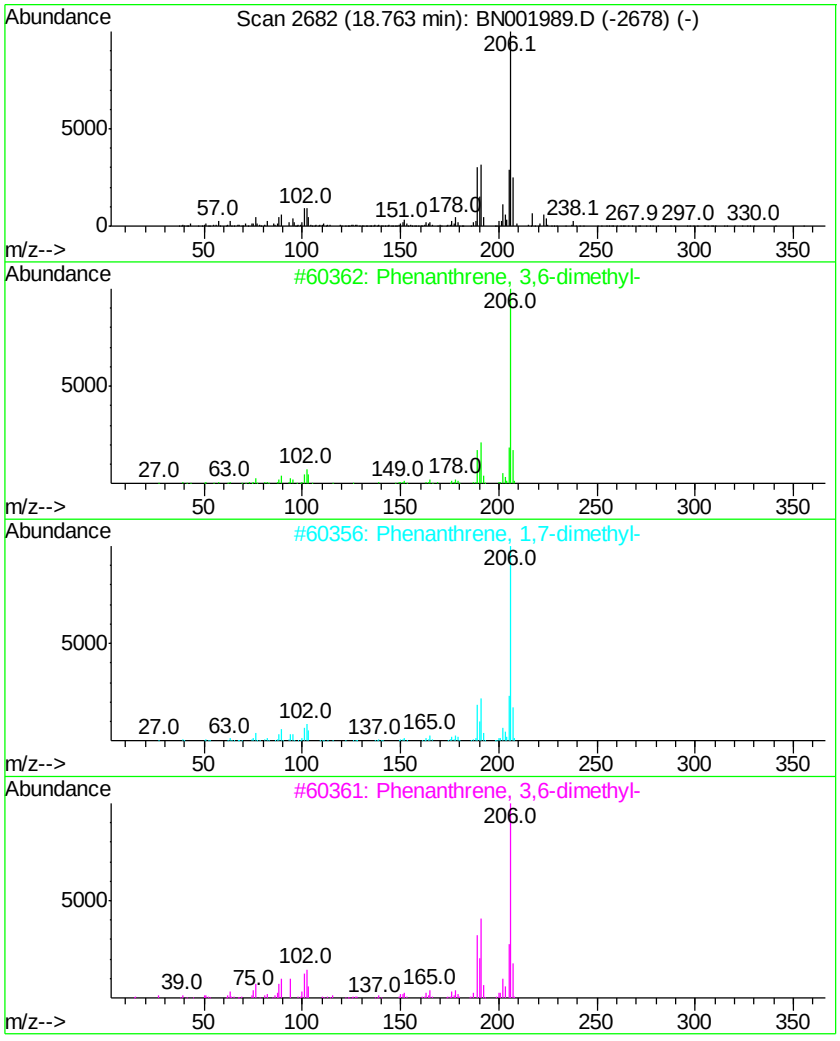
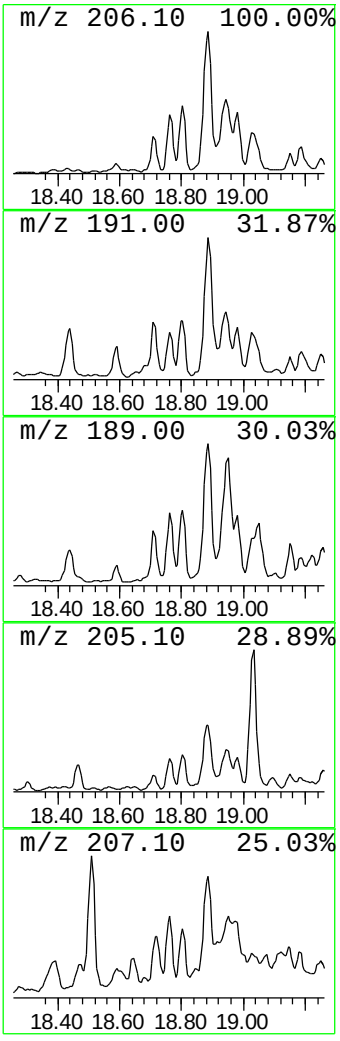
Peak Number 19 Phenanthrene, 3,6-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	4.28 ng/ul	1778680	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	89





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Acq On : 06 Jul 2018 14:39
Operator : JU/SJ
Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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Quant Title : SVOA CALIBRATION

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

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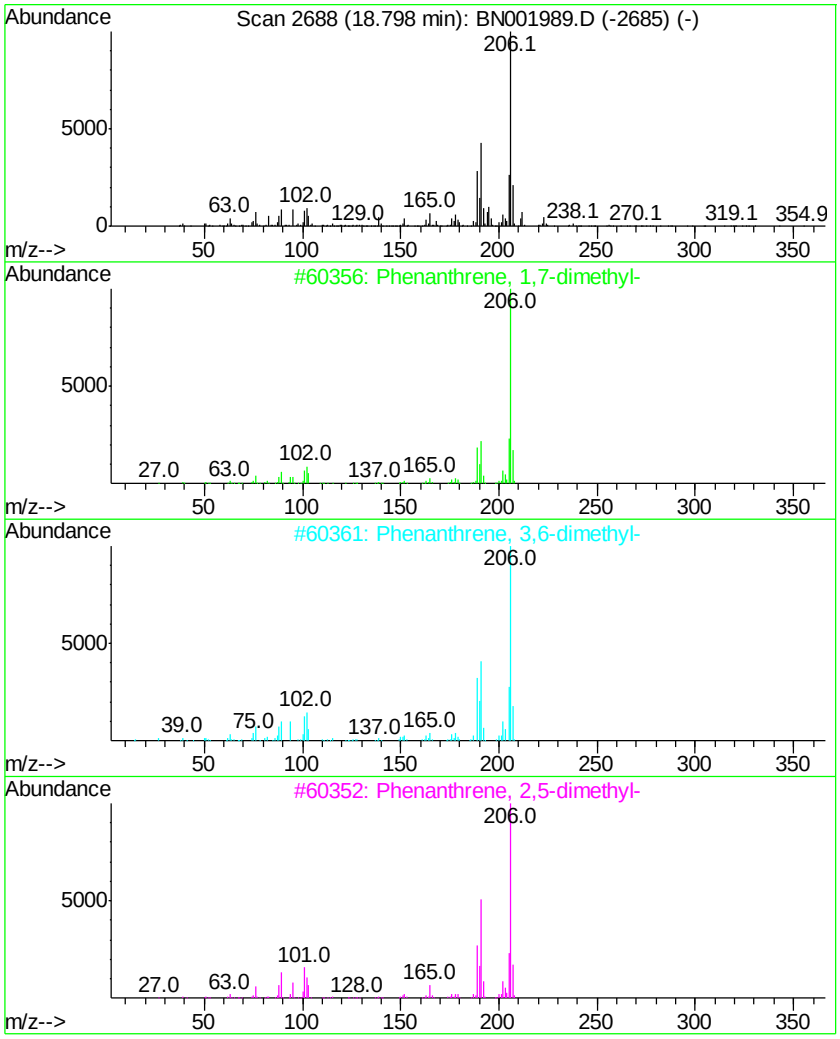
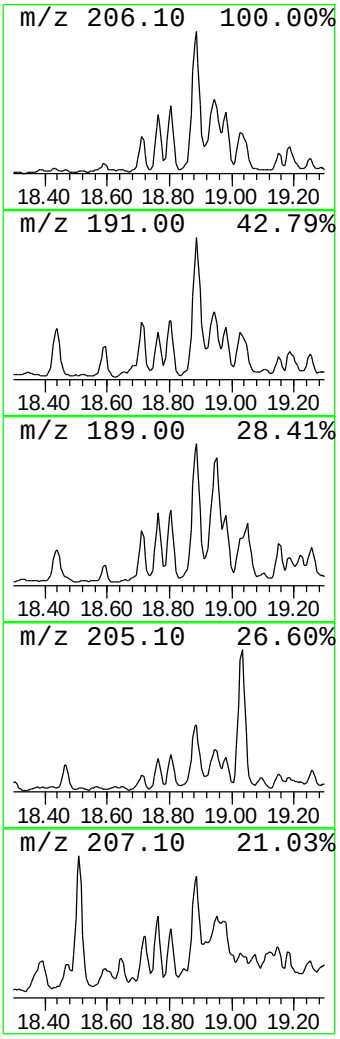
Peak Number 20 Phenanthrene, 1,7-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	4.20 ng/ul	1745050	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93





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Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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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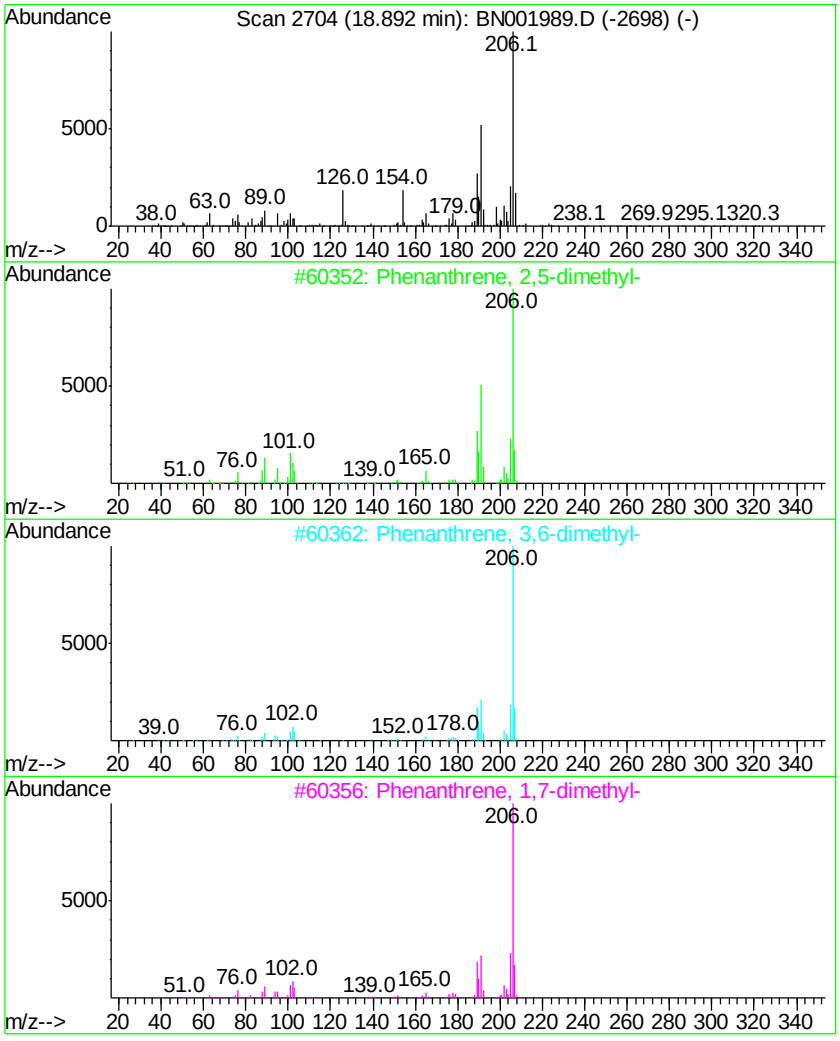
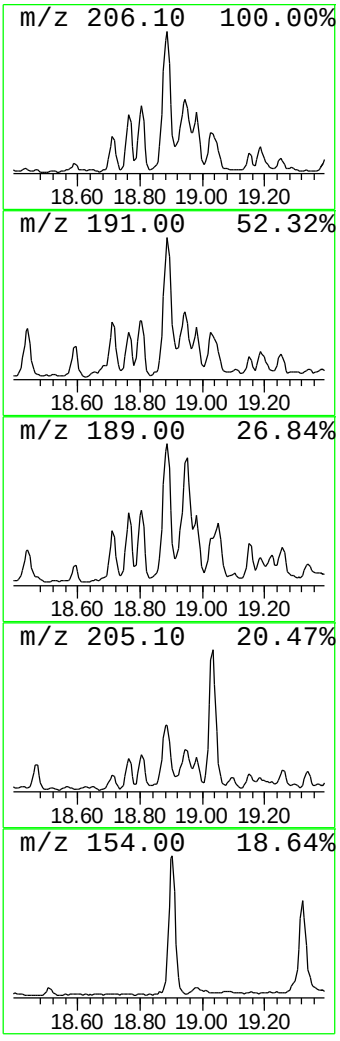
Peak Number 21 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	11.45 ng/ul	4760720	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, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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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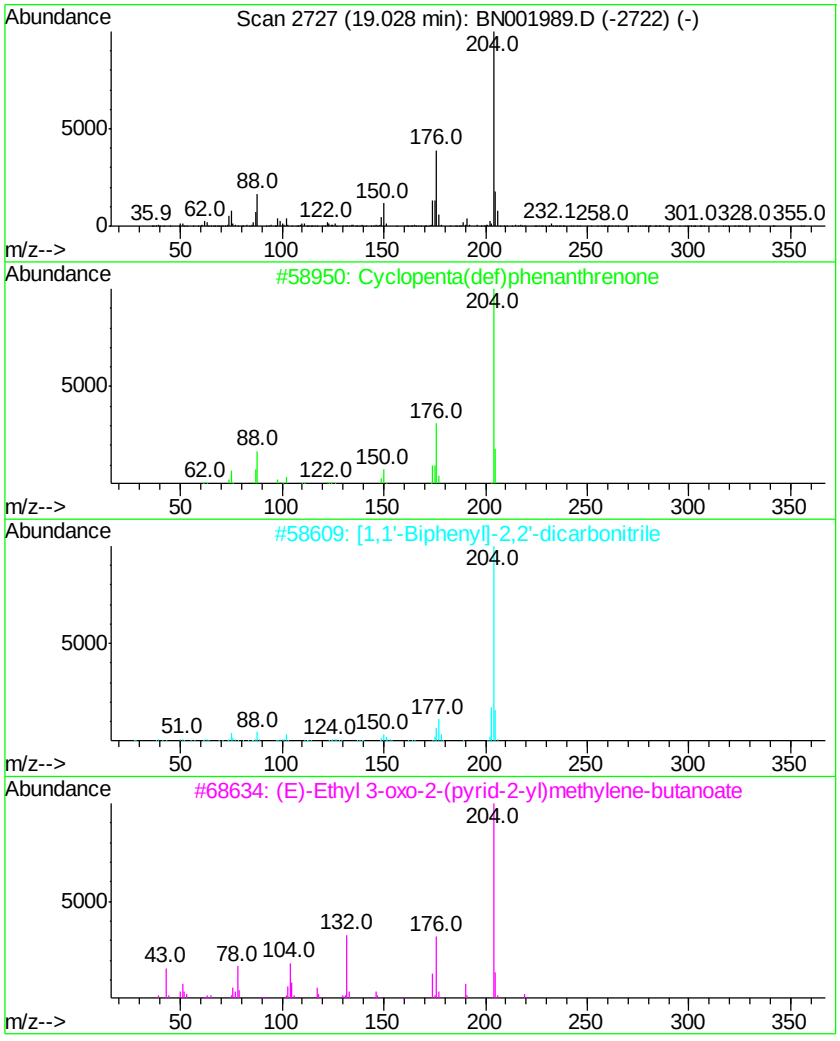
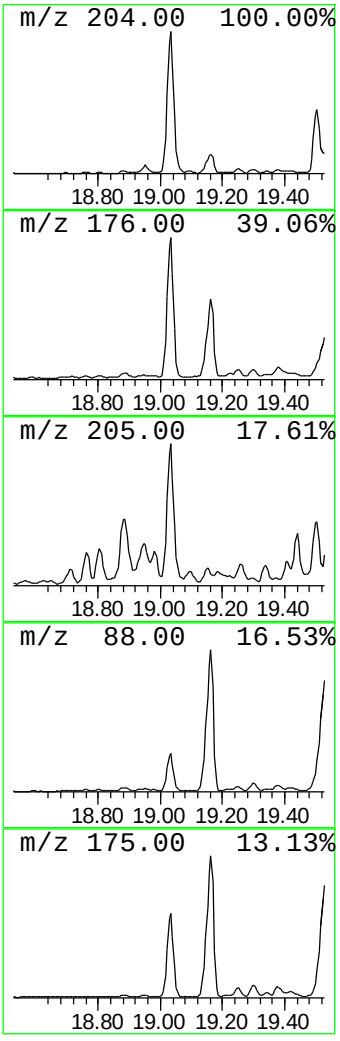
Peak Number 23 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	22.02 ng/ul	9154250	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
3	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	43





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Sample : J3765-07 5X
Misc :
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Instrument : BNA_N
ClientSampleId : F1H09

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Quant Title : SVOA CALIBRATION

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

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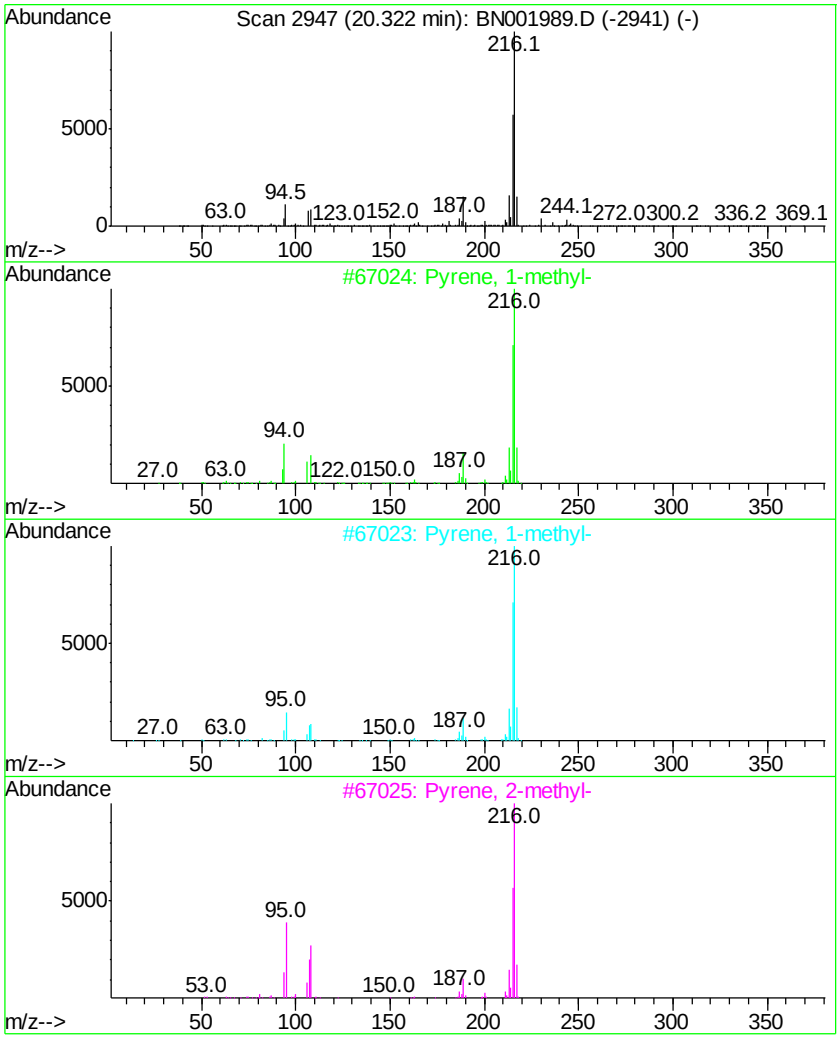
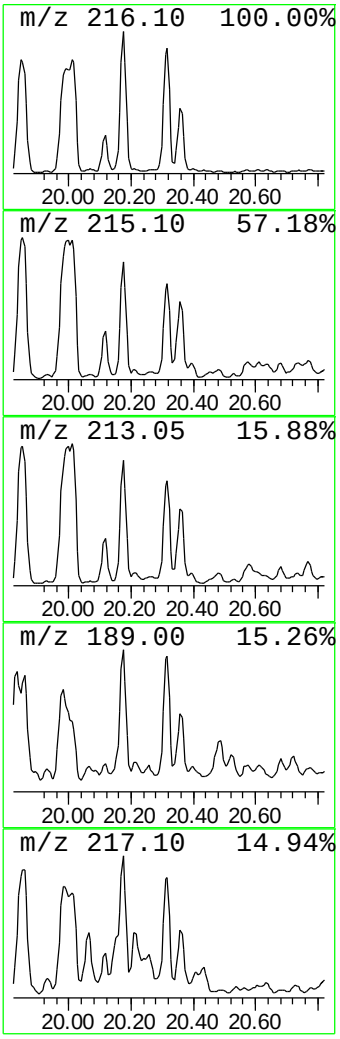
Peak Number 27 Pyrene, 1-methyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.32	2.58 ng/ul	7428850	Chrysene-d12	21.30

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, 2-methyl-	216	C17H12	003442-78-2	95
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94





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Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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 11H-Benzo[a]fluoren-11-one Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.77	5.36 ng/ul	15409000	Chrysene-d12	21.30

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	90
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	76
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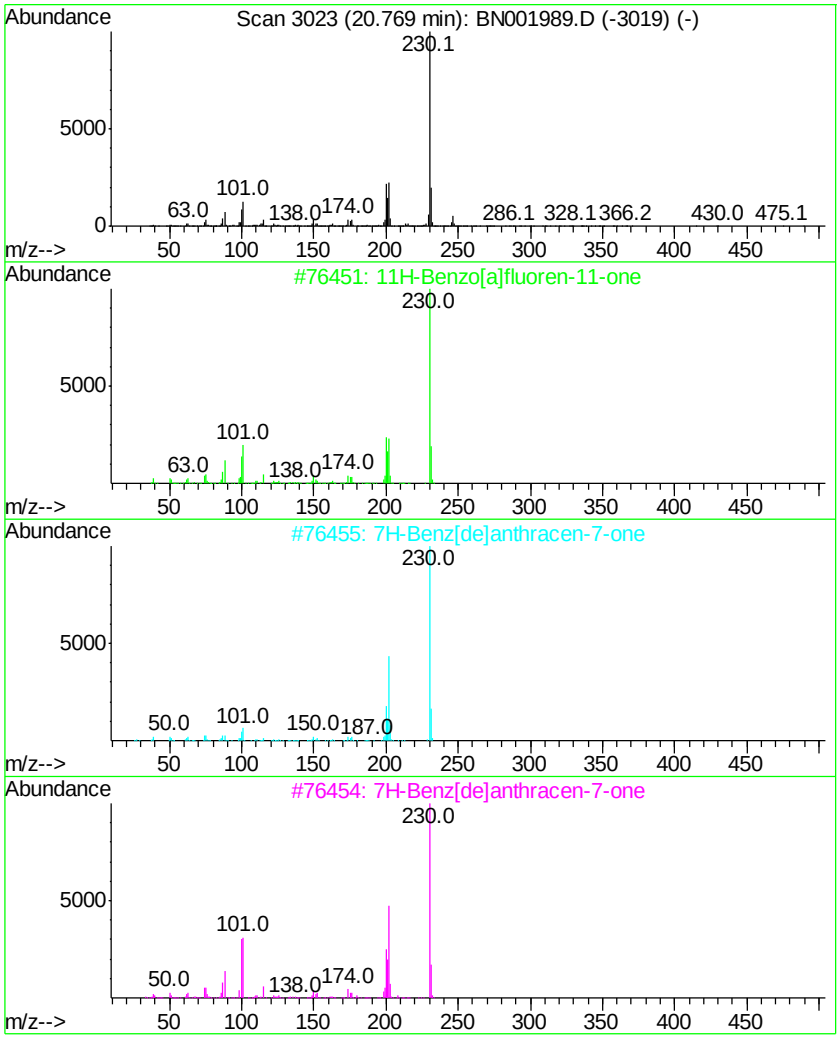

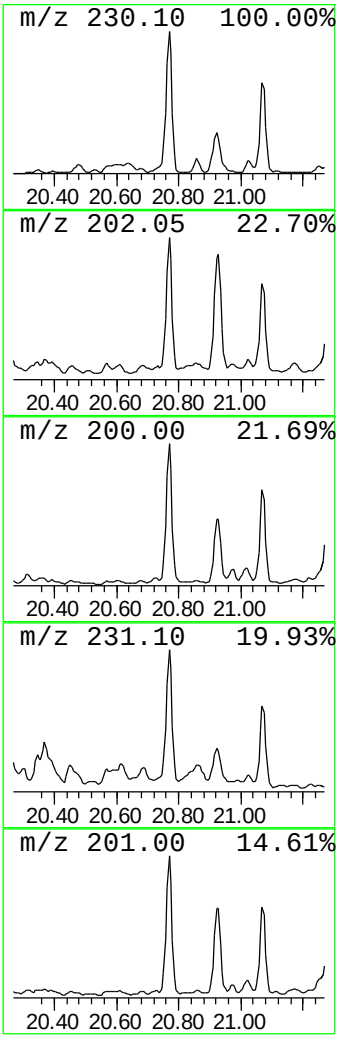

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Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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Quant Title : SVOA CALIBRATION

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

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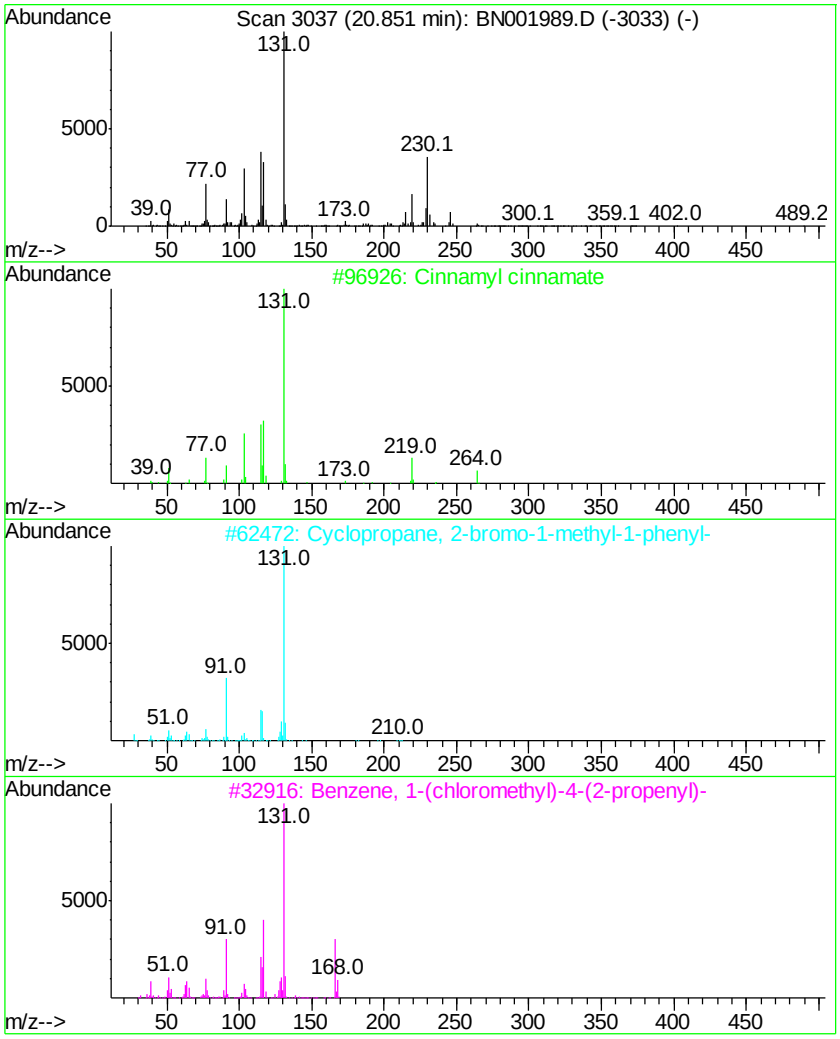
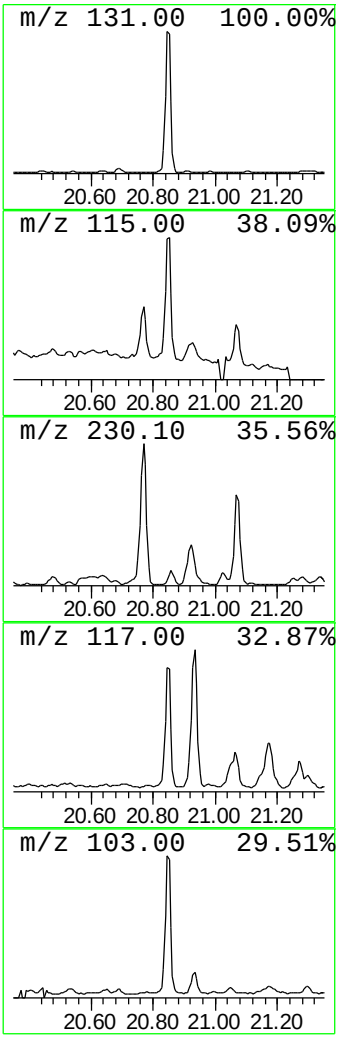
Peak Number 29 Cinnamyl cinnamate Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.85	2.18 ng/ul	6276020	Chrysene-d12	21.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnamyl cinnamate	264	C18H16O2	000122-69-0	80
2	Cyclopropane, 2-bromo-1-methyl-1...	210	C10H11Br	055091-64-0	38
3	Benzene, 1-(chloromethyl)-4-(2-p...	166	C10H11Cl	036875-10-2	38
4	2,2-Dimethyl-1-(2-vinylphenyl)pr...	188	C13H16O	1000210-99-9	35
5	2-Propenoic acid, 3-phenyl-, 4-m...	238	C16H14O2	010519-07-0	35





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Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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Quant Title : SVOA CALIBRATION

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

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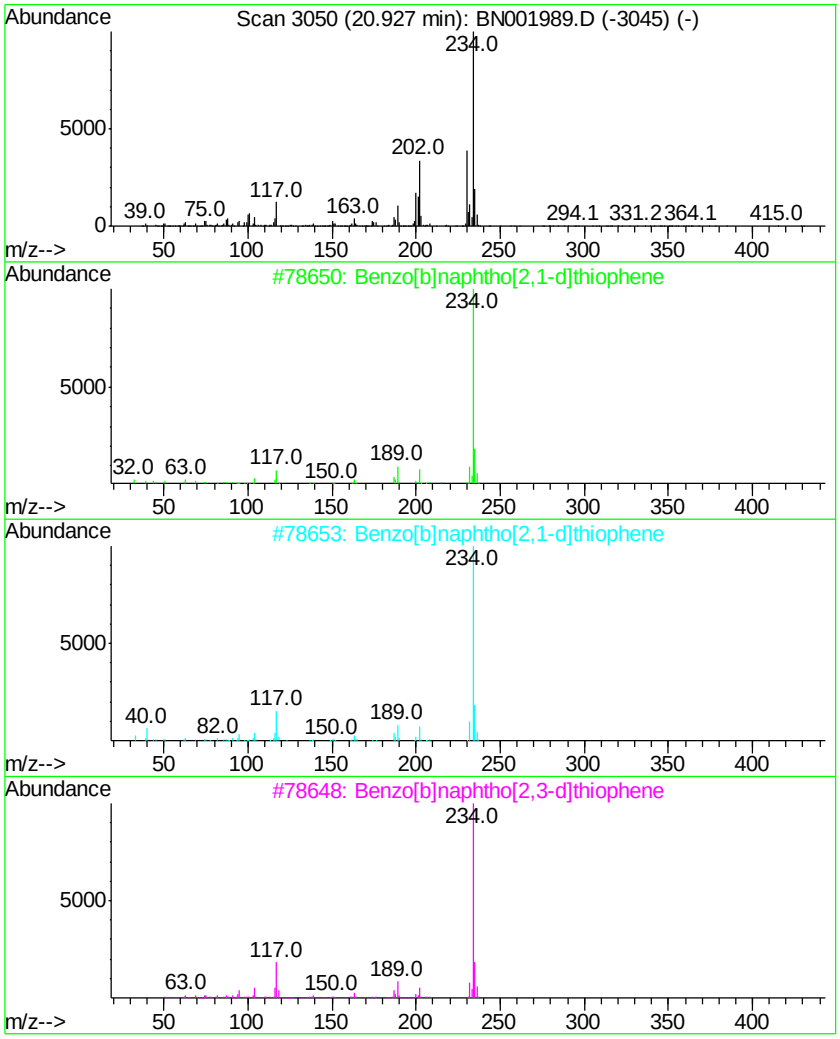
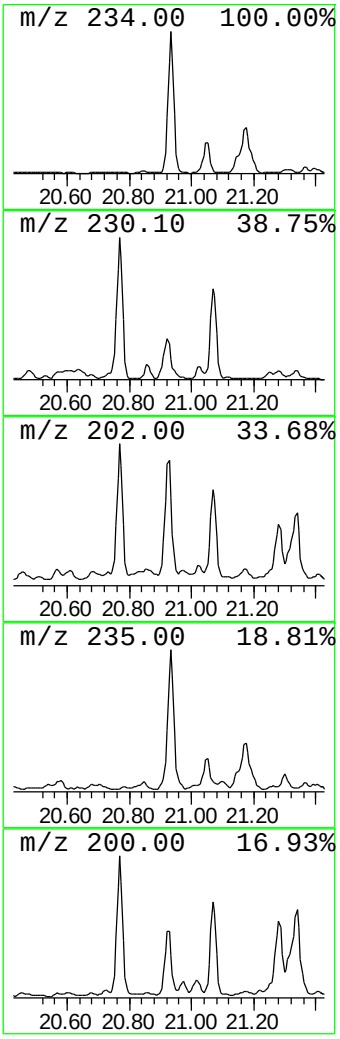
Peak Number 30 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	5.72 ng/ul	16450200	Chrysene-d12	21.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	92
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	83
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	64
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	64





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Misc :
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Instrument : BNA_N
ClientSampleId : F1H09

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Quant Title : SVOA CALIBRATION

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

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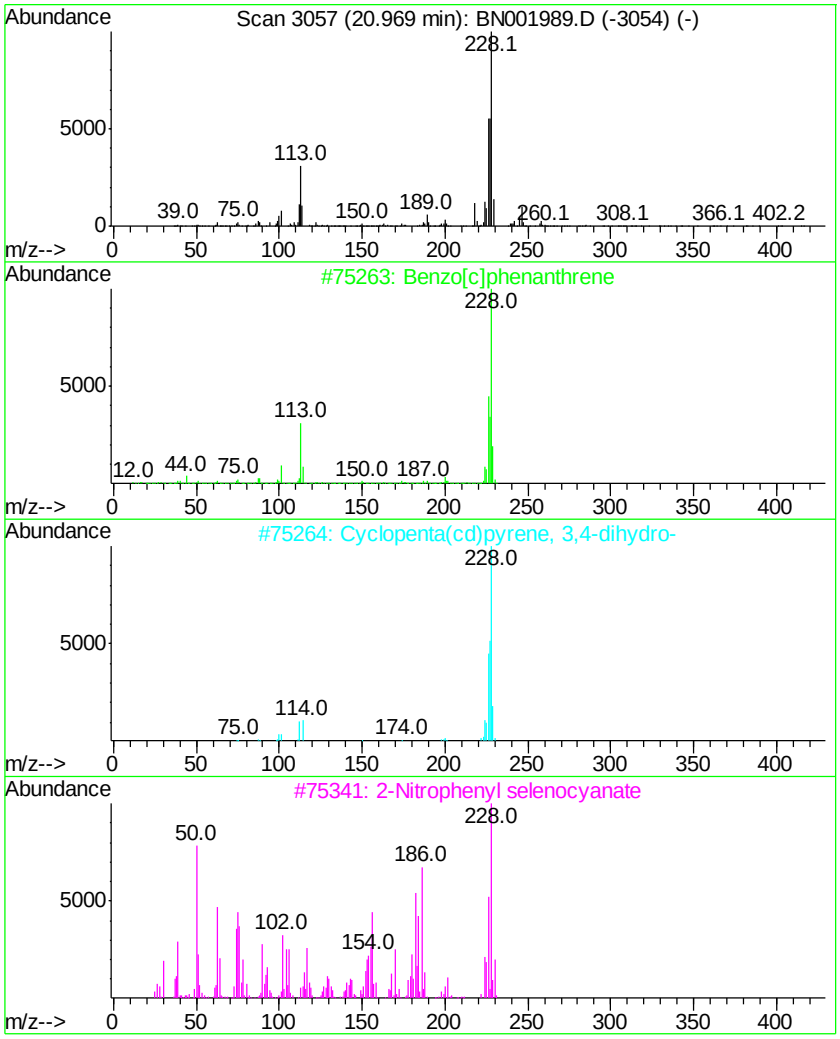
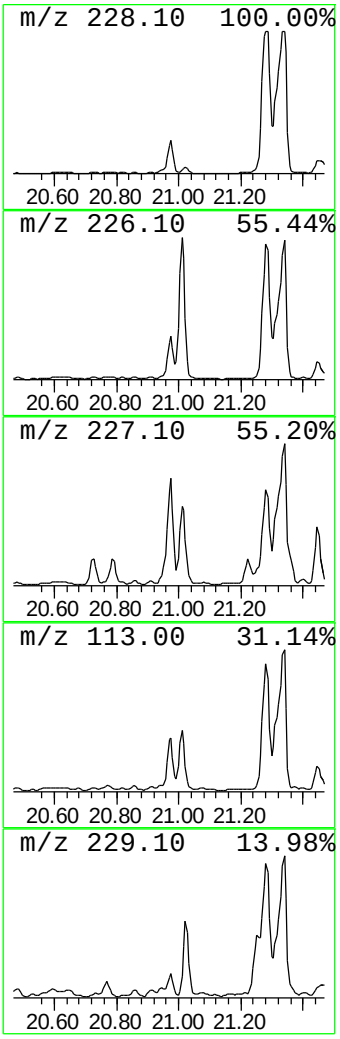
Peak Number 31 Benzo[c]phenanthrene Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	4.14 ng/ul	11905600	Chrysene-d12	21.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	91
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	78
3	2-Nitrophenyl selenocyanate	228	C7H4N2O2Se	051694-22-5	43
4	Triphenylene	228	C18H12	000217-59-4	38
5	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	38





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Quant Title : SVOA CALIBRATION

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

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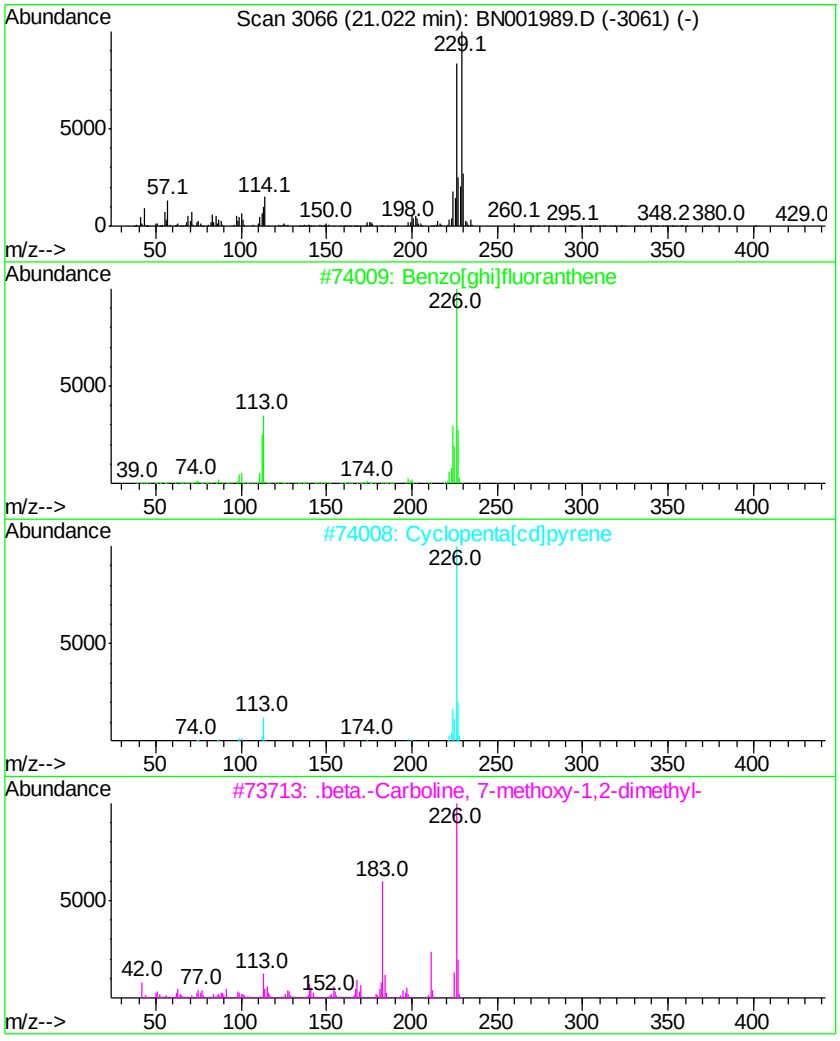
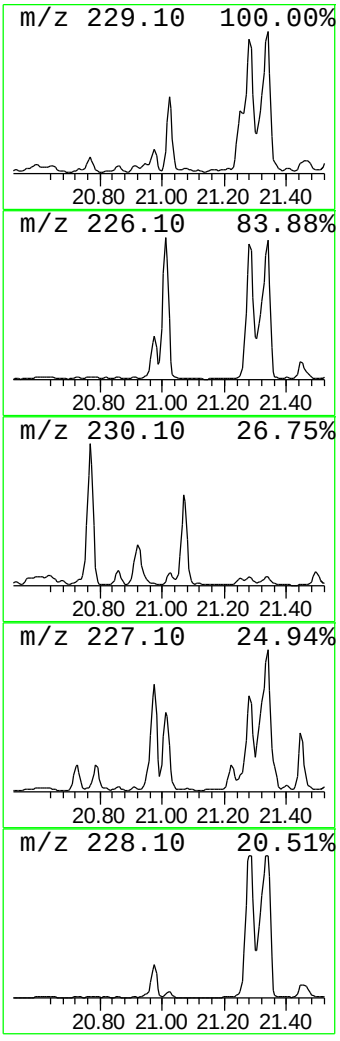
Peak Number 32 Benzo[ghi]fluoranthene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	5.80 ng/ul	16659000	Chrysene-d12	21.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	53
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	52
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	52
4	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	42
5	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	38





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Quant Title : SVOA CALIBRATION

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

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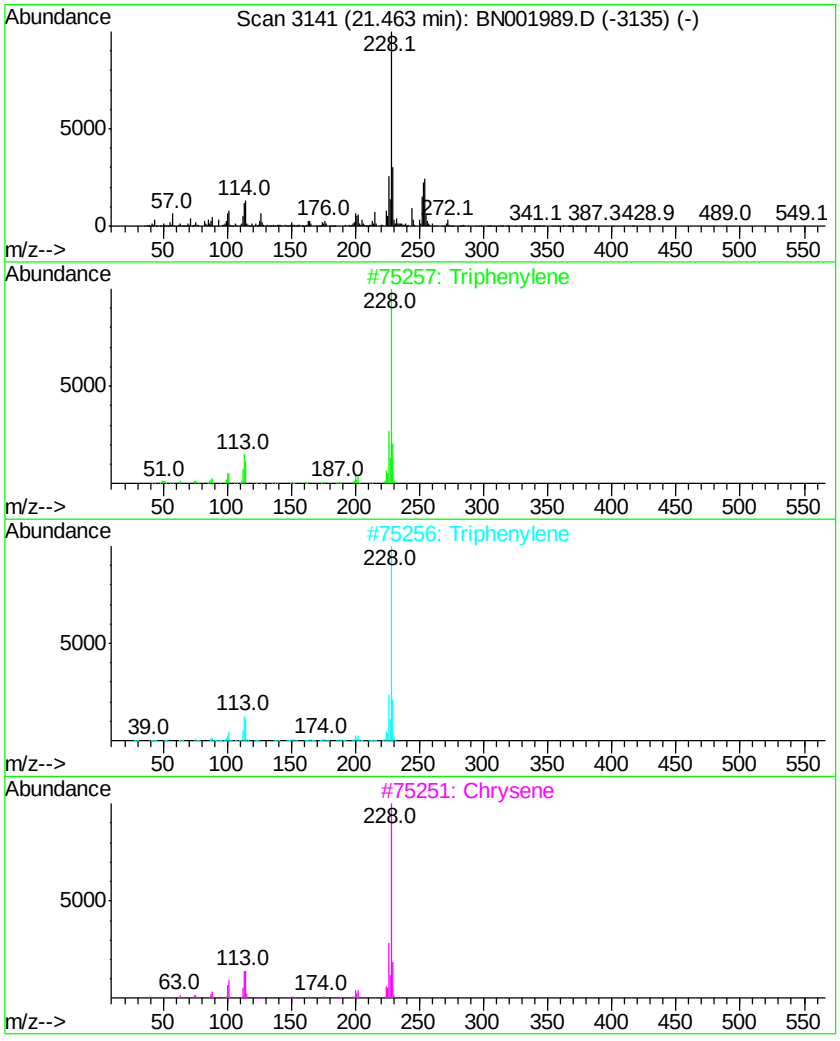
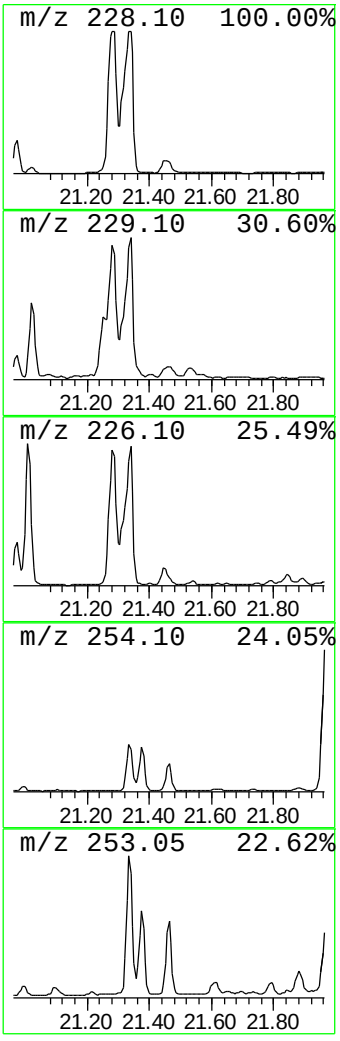
Peak Number 34 Triphenylene Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.46	2.03 ng/ul	5843500	Chrysene-d12	21.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene	228	C18H12	000217-59-4	95
2	Triphenylene	228	C18H12	000217-59-4	93
3	Chrysene	228	C18H12	000218-01-9	90
4	Triphenylene	228	C18H12	000217-59-4	90
5	Benz[a]anthracene	228	C18H12	000056-55-3	89





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Quant Title : SVOA CALIBRATION

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

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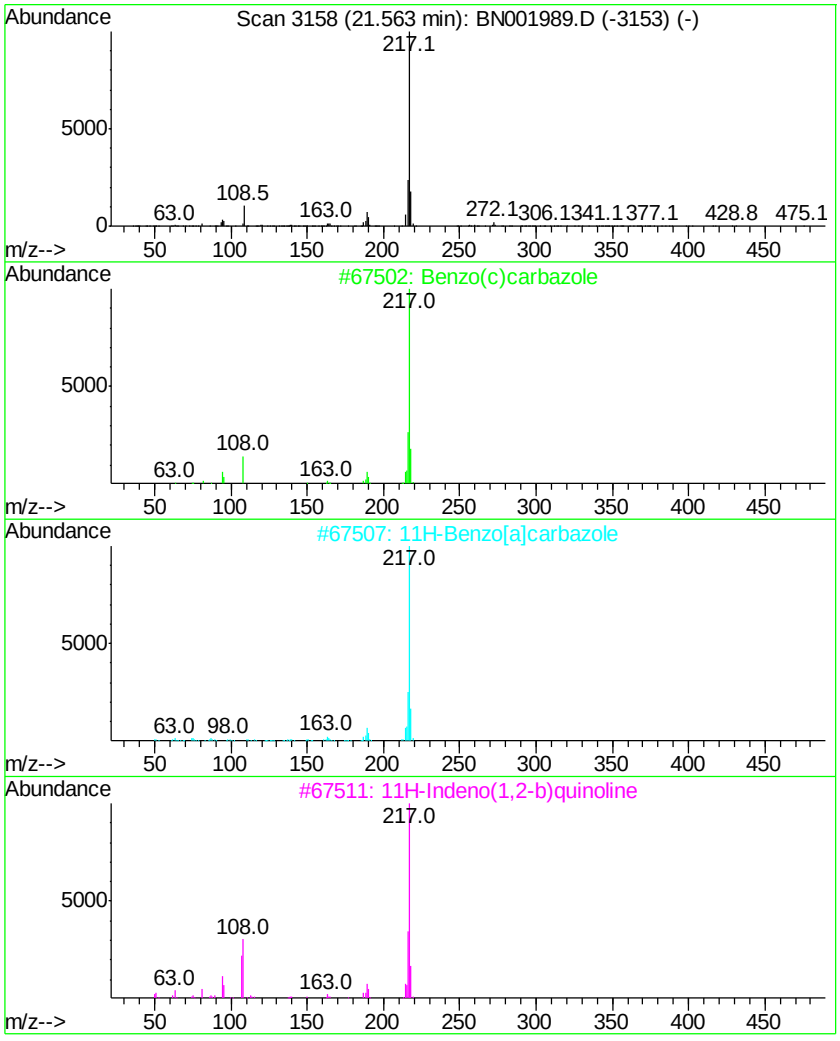
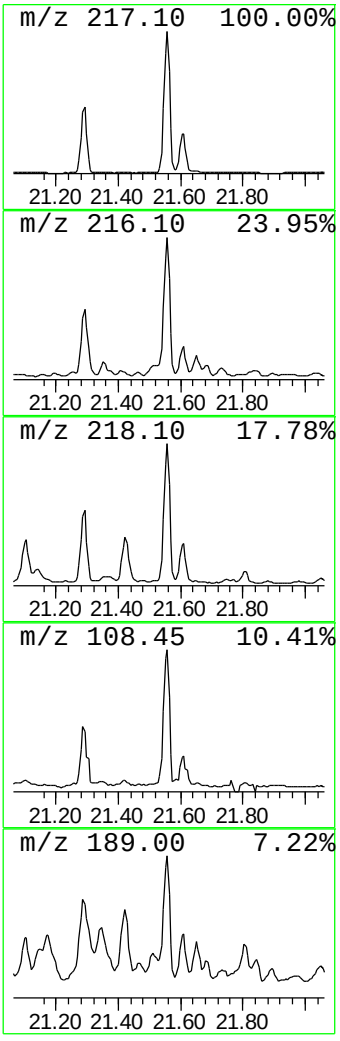
Peak Number 35 Benzo(c)carbazole Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.56	3.21 ng/ul	9229760	Chrysene-d12	21.30

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	91
3	11H-Indeno(1,2-b)quinoline	217	C16H11N	000243-51-6	91
4	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	90
5	Benzo(b)carbazole	217	C16H11N	000243-28-7	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
Data File : BN001989.D
Acq On : 06 Jul 2018 14:39
Operator : JU/SJ
Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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

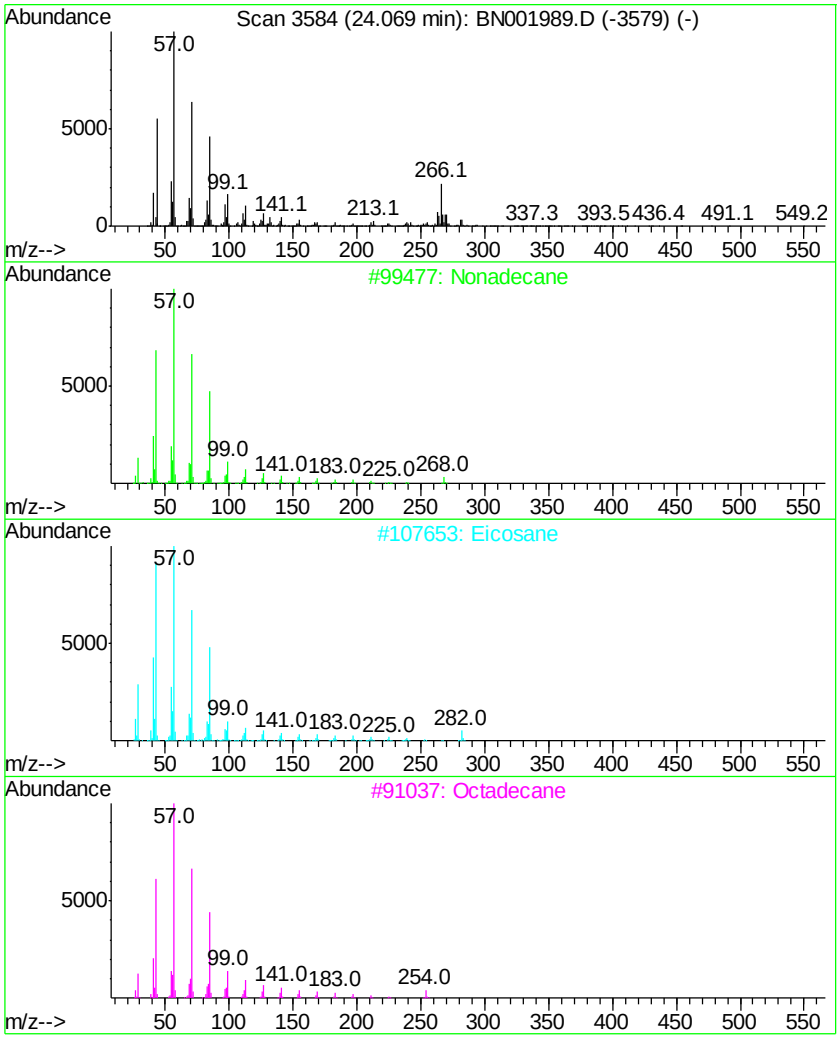
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

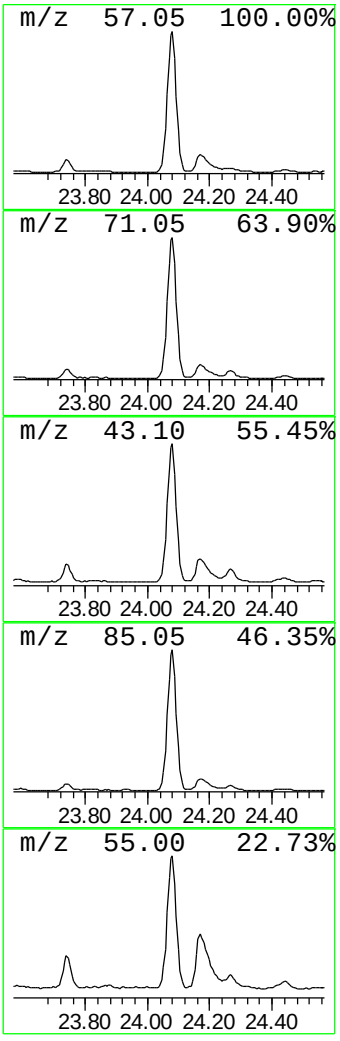
****

Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.07	92.72 ng/ul	12389800	Perylene-d12	23.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	96
2	Eicosane	282	C20H42	000112-95-8	93
3	Octadecane	254	C18H38	000593-45-3	93
4	Eicosane	282	C20H42	000112-95-8	90
5	Nonacosane	408	C29H60	000630-03-5	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
Data File : BN001989.D
Acq On : 06 Jul 2018 14:39
Operator : JU/SJ
Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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

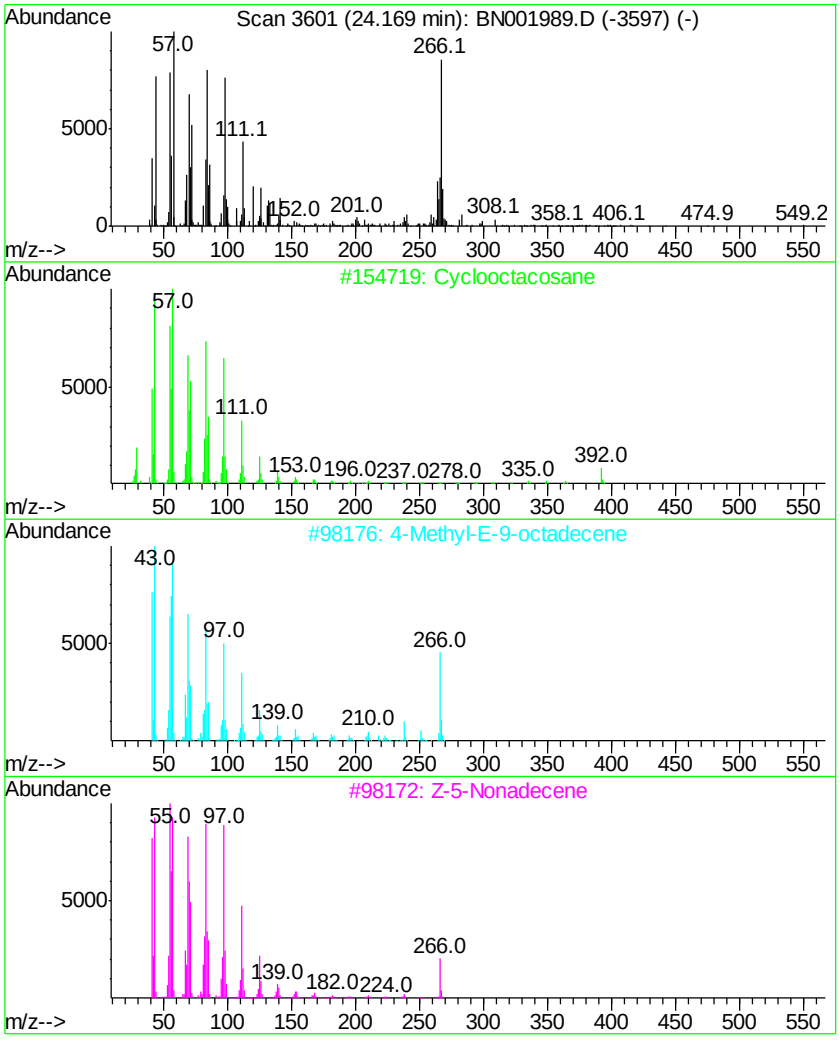
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

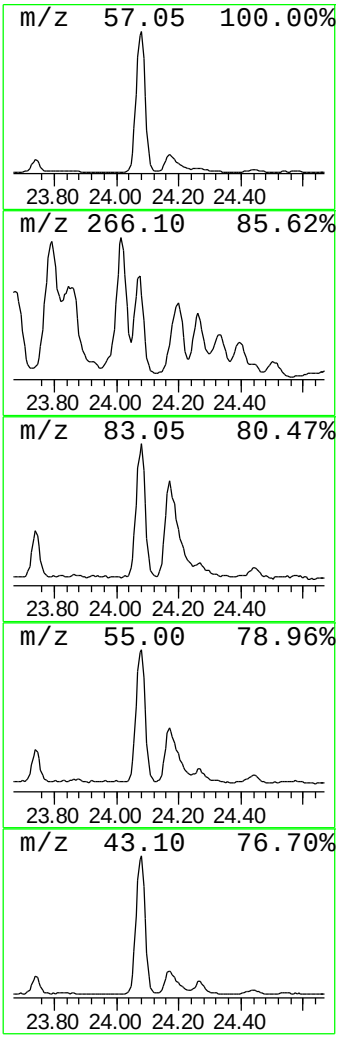
****

Peak Number 46 (DEL) Alkane: Cyclic24.17 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.17	28.70 ng/ul	3835120	Perylene-d12	23.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctacosane	392	C28H56	000297-24-5	83
2	4-Methyl-E-9-octadecene	266	C19H38	1000130-87-1	58
3	Z-5-Nonadecene	266	C19H38	1000131-11-8	53
4	Perylene, 3-methyl-	266	C21H14	024471-47-4	49
5	1-Hexadecanol, 2-methyl-	256	C17H36O	002490-48-4	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070618\
Data File : BN001989.D
Acq On : 06 Jul 2018 14:39
Operator : JU/SJ
Sample : J3765-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H09

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	7.0	ng/ul	1447280	1	7.71	4120110	20.0
Indole	11.98	4.4	ng/ul	1410460	2	10.48	6418640	20.0
Caryophyllene	13.66	10.9	ng/ul	4419520	3	14.34	8085270	20.0
1(2H)-Acenaphthyl...	16.06	6.4	ng/ul	2661500	4	17.09	8313400	20.0
9H-Fluoren-9-one	16.74	6.9	ng/ul	2860260	4	17.09	8313400	20.0
Dibenzothiophene	16.90	3.2	ng/ul	1344150	4	17.09	8313400	20.0
unknown-01	17.27	5.3	ng/ul	2193650	4	17.09	8313400	20.0
Dibenzo[a,e]cyclo...	17.60	3.1	ng/ul	1284380	4	17.09	8313400	20.0
Phenanthrene, 2-m...	18.00	12.2	ng/ul	5080110	4	17.09	8313400	20.0
4H-Cyclopenta[def...	18.16	14.3	ng/ul	5942550	4	17.09	8313400	20.0
Anthracene, 2-met...	18.19	4.0	ng/ul	1647270	4	17.09	8313400	20.0
3-Methylcarbazole	18.27	5.5	ng/ul	2305190	4	17.09	8313400	20.0
Methylcarbazole	18.31	4.5	ng/ul	1872040	4	17.09	8313400	20.0
Anthrone	18.35	4.9	ng/ul	2047770	4	17.09	8313400	20.0
9,10-Anthracenedione	18.51	18.8	ng/ul	7810770	4	17.09	8313400	20.0
Phenanthrene, 2,3...	18.72	3.1	ng/ul	1298000	4	17.09	8313400	20.0
Phenanthrene, 3,6...	18.76	4.3	ng/ul	1778680	4	17.09	8313400	20.0
Phenanthrene, 1,7...	18.80	4.2	ng/ul	1745050	4	17.09	8313400	20.0
Phenanthrene, 2,5...	18.89	11.4	ng/ul	4760720	4	17.09	8313400	20.0
Cyclopenta(def)ph...	19.03	22.0	ng/ul	9154250	4	17.09	8313400	20.0
Pyrene, 1-methyl-	20.32	2.6	ng/ul	7428850	5	21.30	57483600	20.0
11H-Benzo[a]fluor...	20.77	5.4	ng/ul	15409000	5	21.30	57483600	20.0
Cinnamyl cinnamate	20.85	2.2	ng/ul	6276020	5	21.30	57483600	20.0
Benzo[b]naphtho[2...	20.93	5.7	ng/ul	16450200	5	21.30	57483600	20.0
Benzo[c]phenanthrene	20.97	4.1	ng/ul	11905600	5	21.30	57483600	20.0
Benzo[ghi]fluoran...	21.02	5.8	ng/ul	16659000	5	21.30	57483600	20.0
Triphenylene	21.46	2.0	ng/ul	5843500	5	21.30	57483600	20.0
Benzo(c)carbazole	21.56	3.2	ng/ul	9229760	5	21.30	57483600	20.0
(DEL) Alkane: Str...	24.07	92.7	ng/ul	12389800	6	23.54	2672460	20.0
(DEL) Alkane: Cyc...	24.17	28.7	ng/ul	3835120	6	23.54	2672460	20.0