LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
Data File : BN001991.D
Acq On : 06 Jul 2018 15:56
Operator : JU/SJ
Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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	24	rVB	1572597	2373162	10.89%	0.686%
2	6.416	575	583	590	rVB	230954	378405	1.74%	0.109%
3	6.887	656	663	673	rBV	1376034	2301631	10.57%	0.666%
4	7.046	683	690	703	rBV	1050208	1682720	7.72%	0.487%
5	7.246	716	724	733	rVB	1381764	2197195	10.09%	0.635%
6	7.710	796	803	810	rBV	2334877	3797489	17.43%	1.098%
7	8.410	915	922	929	rBV	1702894	2746313	12.61%	0.794%
8	8.852	991	997	1006	rVB	1292062	2154374	9.89%	0.623%
9	9.569	1111	1119	1127	rBV	1091588	1809170	8.30%	0.523%
10	10.104	1202	1210	1221	rBV	1774850	2959913	13.59%	0.856%
11	10.481	1266	1274	1279	rBV	3560889	5894690	27.06%	1.705%
12	10.528	1279	1282	1289	rVV	387920	652352	2.99%	0.189%
13	10.616	1289	1297	1314	rVB	1212335	2146019	9.85%	0.621%
14	12.146	1550	1557	1564	rBV	321546	496078	2.28%	0.143%
15	13.216	1735	1739	1752	rVB	260601	432520	1.99%	0.125%
16	13.663	1809	1815	1821	rVV	4935681	6945598	31.88%	2.009%
17	13.751	1824	1830	1834	rVV	3145071	4435401	20.36%	1.283%
18	13.798	1834	1838	1843	rVB	645011	907967	4.17%	0.263%
19	14.028	1869	1877	1888	rBV2	3518066	6621950	30.40%	1.915%
20	14.304	1916	1924	1926	rVV	1372691	2082665	9.56%	0.602%
21	14.340	1926	1930	1936	rVV2	4852794	7424277	34.08%	2.147%
22	14.410	1936	1942	1958	rVB4	276761	824855	3.79%	0.239%
23	14.540	1958	1964	1970	rBV	1131733	1779436	8.17%	0.515%
24	14.604	1970	1975	1981	rVV	409078	673190	3.09%	0.195%
25	14.663	1981	1985	1992	rVV2	176104	380064	1.74%	0.110%
26	14.734	1992	1997	2008	rVV	398351	732784	3.36%	0.212%
27	15.334	2093	2099	2104	rBV	4381200	6447955	29.60%	1.865%
28	15.387	2104	2108	2114	rVV	883827	1226722	5.63%	0.355%
29	15.451	2114	2119	2127	rVV	1130926	1630357	7.48%	0.471%
30	15.681	2153	2158	2162	rVV2	219461	356775	1.64%	0.103%
31	15.822	2174	2182	2191	rVB4	527318	1137035	5.22%	0.329%
32	16.057	2216	2222	2231	rVV6	265605	571348	2.62%	0.165%
33	16.739	2333	2338	2346	rVB	354515	557630	2.56%	0.161%
34	16.834	2347	2354	2357	rBV2	131055	277375	1.27%	0.080%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
Data File : BN001991.D
Acq On : 06 Jul 2018 15:56
Operator : JU/SJ
Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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	16.898	2362	2365	2375	rVB	173488	313502	1.44%	0.091%
36	17.086	2390	2397	2400	rBV	5683002	8471988	38.89%	2.450%
37	17.128	2400	2404	2408	rVV	2602123	3696861	16.97%	1.069%
38	17.186	2408	2414	2416	rVV	4220878	6637180	30.47%	1.919%
39	17.222	2416	2420	2425	rVV	12497842	18534180	85.08%	5.360%
40	17.275	2425	2429	2436	rVB2	334544	570466	2.62%	0.165%
41	17.486	2457	2465	2470	rBV	4708382	6805254	31.24%	1.968%
42	17.957	2538	2545	2547	rBV2	209739	368177	1.69%	0.106%
43	17.998	2547	2552	2560	rVB2	1510297	2381266	10.93%	0.689%
44	18.086	2562	2567	2572	rVB	908861	1242632	5.70%	0.359%
45	18.157	2573	2579	2582	rBV3	525097	951324	4.37%	0.275%
46	18.263	2592	2597	2601	rBV2	304235	575400	2.64%	0.166%
47	18.304	2601	2604	2608	rVV	328204	534873	2.46%	0.155%
48	18.351	2608	2612	2617	rVB	278686	454763	2.09%	0.132%
49	18.498	2634	2637	2644	rVB	1095986	1536346	7.05%	0.444%
50	18.763	2678	2682	2685	rVV	184773	270205	1.24%	0.078%
51	18.804	2685	2689	2693	rVB	266446	339108	1.56%	0.098%
52	18.886	2698	2703	2708	rBV2	592588	924935	4.25%	0.267%
53	18.945	2708	2713	2716	rBV3	247294	452607	2.08%	0.131%
54	19.022	2722	2726	2736	rVB	1270956	1814820	8.33%	0.525%
55	19.151	2741	2748	2756	rBV	12567596	18405160	84.48%	5.322%
56	19.286	2767	2771	2777	rVB3	619049	1109380	5.09%	0.321%
57	19.392	2786	2789	2792	rVB	292138	355331	1.63%	0.103%
58	19.480	2799	2804	2807	rBV2	5893135	9808567	45.02%	2.836%
59	19.516	2807	2810	2817	rVV	13061017	16910954	77.63%	4.890%
60	19.586	2818	2822	2829	rVB2	555576	1098852	5.04%	0.318%
61	19.692	2836	2840	2846	rBV	647209	1046157	4.80%	0.303%
62	19.751	2846	2850	2856	rVB2	700508	1173696	5.39%	0.339%
63	19.839	2859	2865	2871	rBV5	1475047	3737051	17.15%	1.081%
64	19.974	2883	2888	2892	rBV4	1372196	3060254	14.05%	0.885%
65	20.110	2908	2911	2914	rVB2	509504	610273	2.80%	0.176%
66	20.169	2915	2921	2926	rBV2	1881539	3456605	15.87%	1.000%
67	20.251	2932	2935	2941	rVB	419806	577341	2.65%	0.167%
68	20.310	2941	2945	2949	rBV	1151349	1747155	8.02%	0.505%
69	20.357	2949	2953	2957	rVB3	673446	1107892	5.09%	0.320%
70	20.686	3005	3009	3012	rBV2	674506	909640	4.18%	0.263%
71	20.763	3018	3022	3028	rBV	2432066	3333098	15.30%	0.964%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
Data File : BN001991.D
Acq On : 06 Jul 2018 15:56
Operator : JU/SJ
Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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	20.845	3031	3036	3042	rVV	14643067	17580223	80.70%	5.084%
73	20.927	3044	3050	3054	rVV2	1885235	3594953	16.50%	1.040%
74	20.969	3054	3057	3060	rVV2	1737159	2338432	10.73%	0.676%
75	21.010	3060	3064	3068	rVV2	2161510	3959758	18.18%	1.145%
76	21.057	3069	3072	3081	rVB2	1553464	2375884	10.91%	0.687%
77	21.274	3100	3109	3114	rBV2	9657794	21785281	100.00%	6.300%
78	21.322	3114	3117	3127	rVB	7649411	11460363	52.61%	3.314%
79	21.457	3134	3140	3143	rBV2	822079	1570089	7.21%	0.454%
80	21.545	3152	3155	3159	rVB	1664369	2256088	10.36%	0.652%
81	21.592	3159	3163	3169	rBV2	927162	1477009	6.78%	0.427%
82	21.645	3169	3172	3176	rVV2	639947	770103	3.53%	0.223%
83	21.780	3192	3195	3198	rBV	401072	567864	2.61%	0.164%
84	21.833	3199	3204	3209	rVB	1389029	2291949	10.52%	0.663%
85	21.892	3210	3214	3218	rBV3	1264070	1755454	8.06%	0.508%
86	22.033	3234	3238	3241	rBV	690821	939917	4.31%	0.272%
87	22.357	3290	3293	3299	rVB4	612902	962740	4.42%	0.278%
88	22.586	3327	3332	3342	rBV3	900360	2290395	10.51%	0.662%
89	22.857	3371	3378	3383	rBV2	8304438	19415132	89.12%	5.615%
90	23.021	3401	3406	3413	rVB	1227436	2023851	9.29%	0.585%
91	23.151	3425	3428	3437	rBV2	456777	1016633	4.67%	0.294%
92	23.327	3453	3458	3463	rBV	3460177	6220572	28.55%	1.799%
93	23.380	3463	3467	3470	rVV	2091007	3489243	16.02%	1.009%
94	23.427	3470	3475	3481	rVB	3836661	7006673	32.16%	2.026%
95	23.515	3484	3490	3495	rBV	3003296	5761231	26.45%	1.666%
96	23.568	3496	3499	3507	rVB2	1163565	2231420	10.24%	0.645%
97	24.068	3579	3584	3592	rVB2	983992	2078170	9.54%	0.601%
98	25.751	3863	3870	3884	rVB2	2150428	6940907	31.86%	2.007%
99	26.057	3916	3922	3936	rVB	2064807	6076737	27.89%	1.757%
100	26.433	3979	3986	4002	rVB	1039201	3206979	14.72%	0.927%

Sum of corrected areas: 345802758

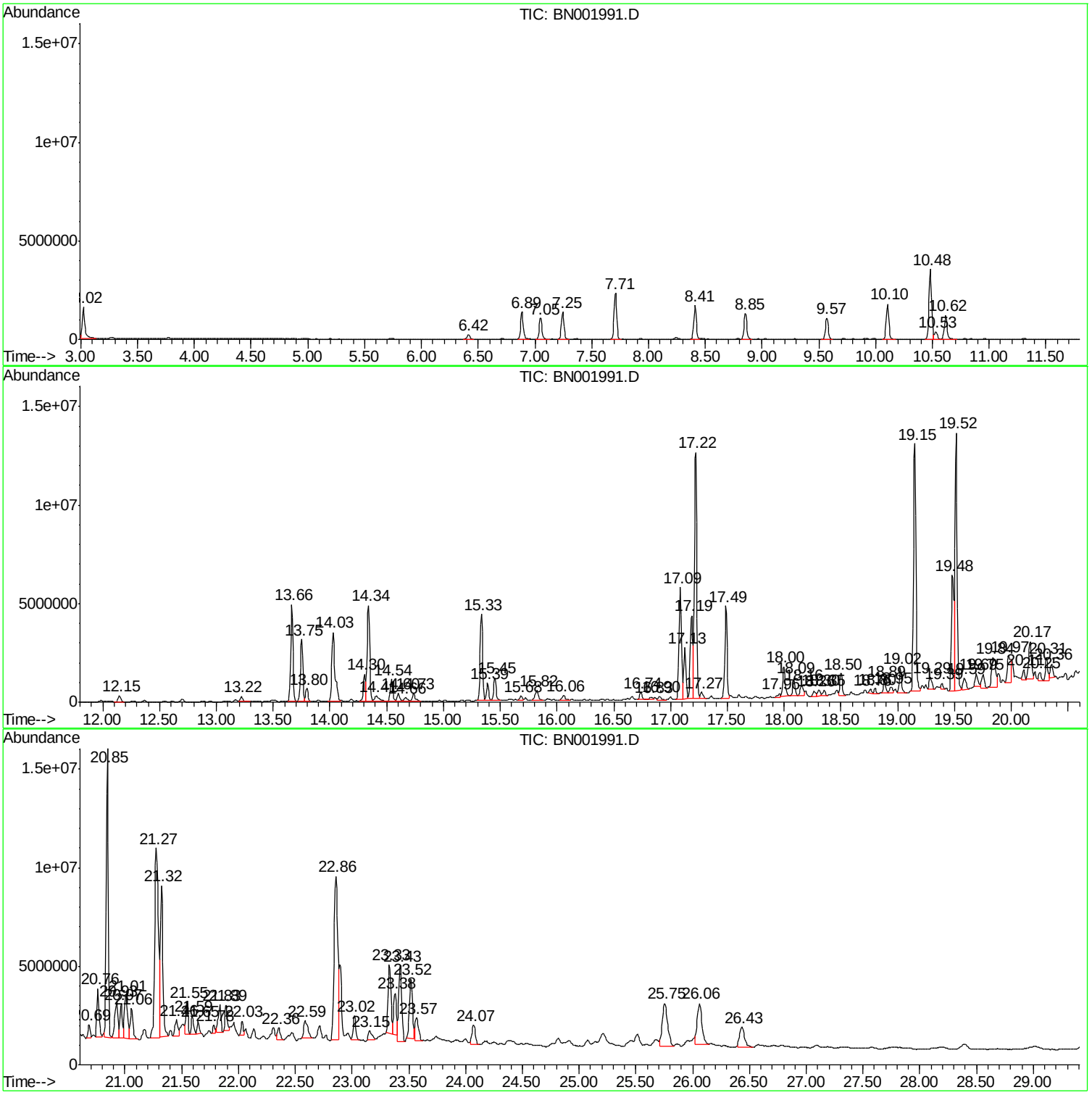
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
Data File : BN001991.D
Acq On : 06 Jul 2018 15:56
Operator : JU/SJ
Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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 : BN001991.D
Acq On : 06 Jul 2018 15:56
Operator : JU/SJ
Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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

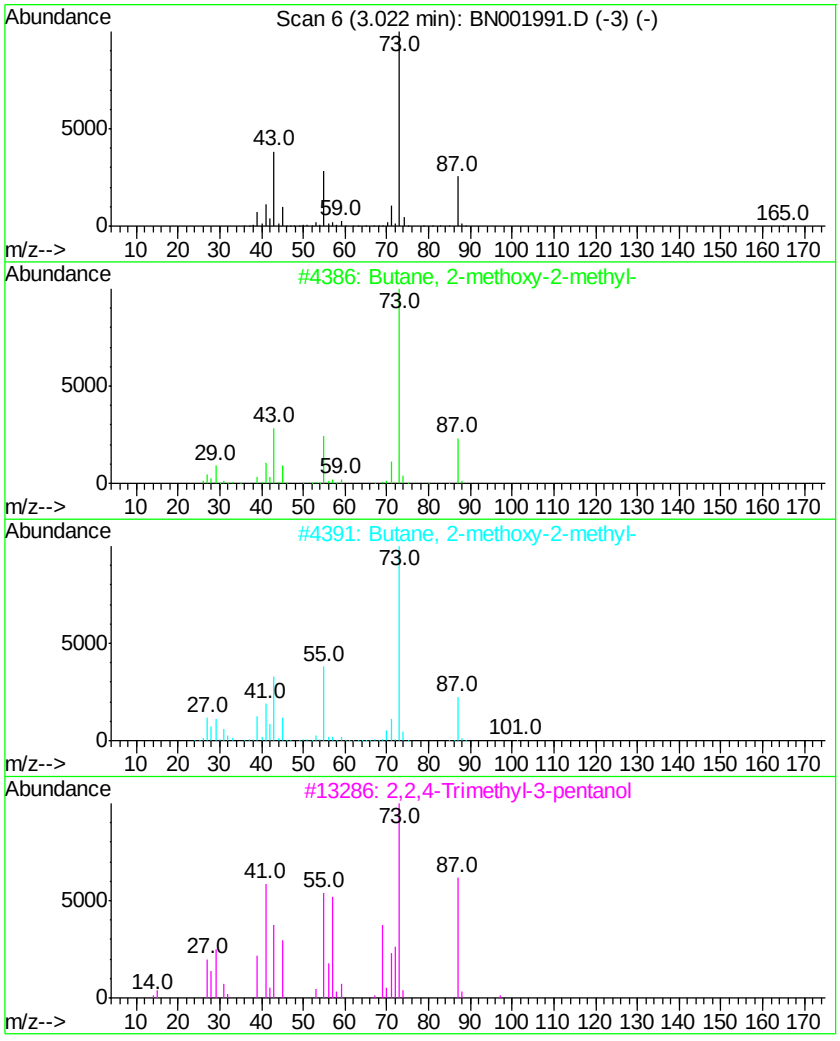
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

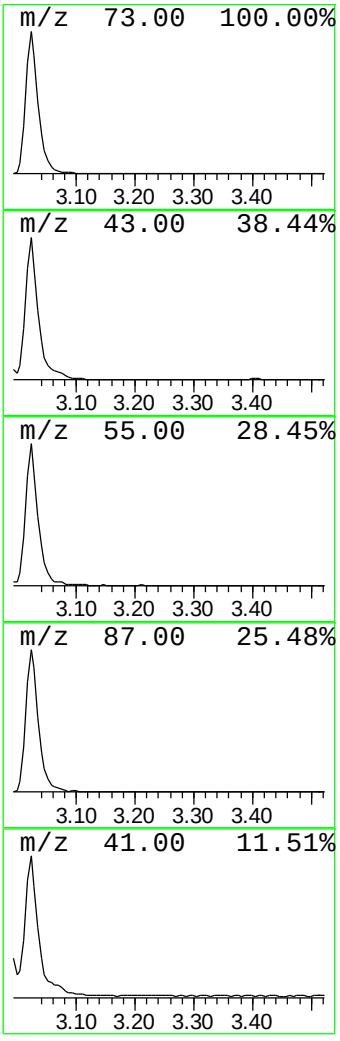
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	12.50 ng/ul	2373160	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	12
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
Data File : BN001991.D
Acq On : 06 Jul 2018 15:56
Operator : JU/SJ
Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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

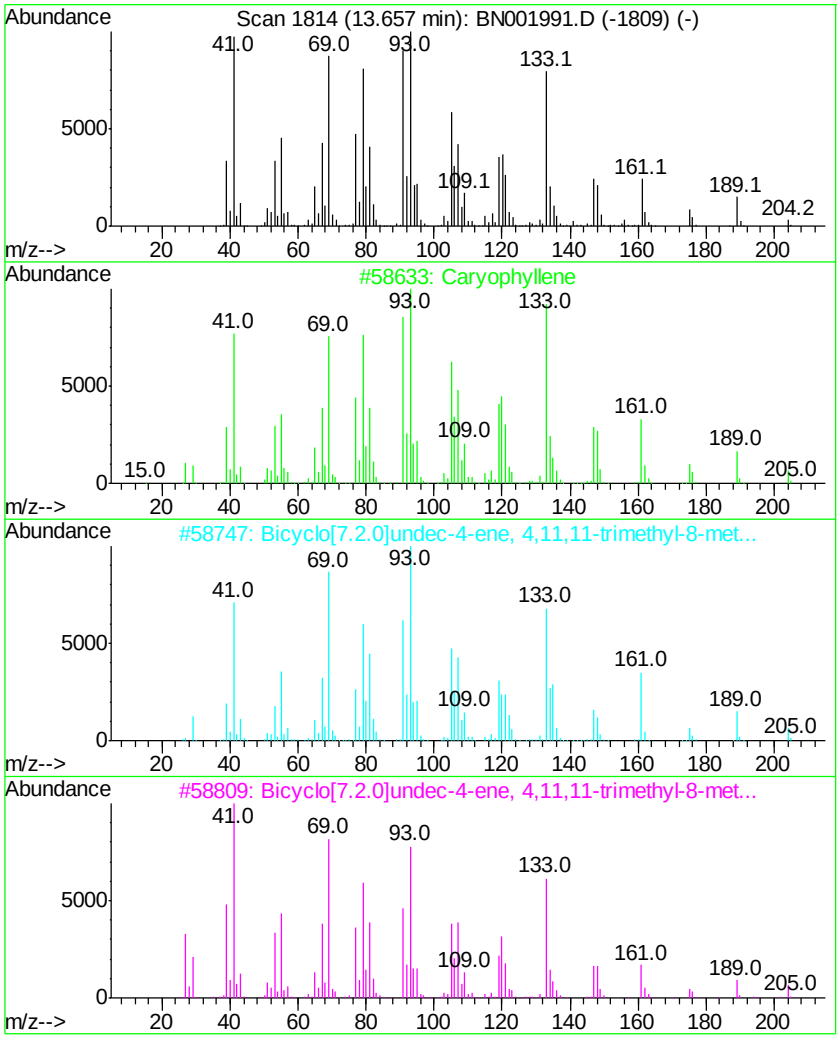
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

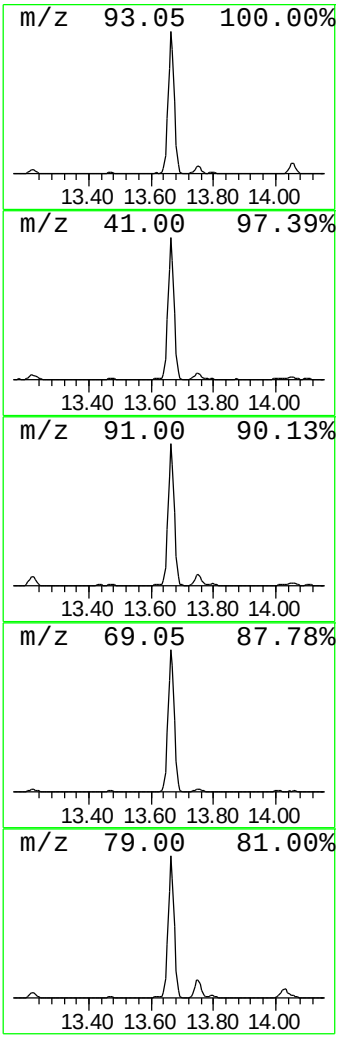
****

Peak Number 2 Caryophyllene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	18.71 ng/ul	6945600	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Caryophyllene	204	C15H24	000087-44-5	99
2	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	013877-93-5	93
3	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	000118-65-0	91
4	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	013877-93-5	91
5	Caryophyllene	204	C15H24	000087-44-5	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
Data File : BN001991.D
Acq On : 06 Jul 2018 15:56
Operator : JU/SJ
Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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

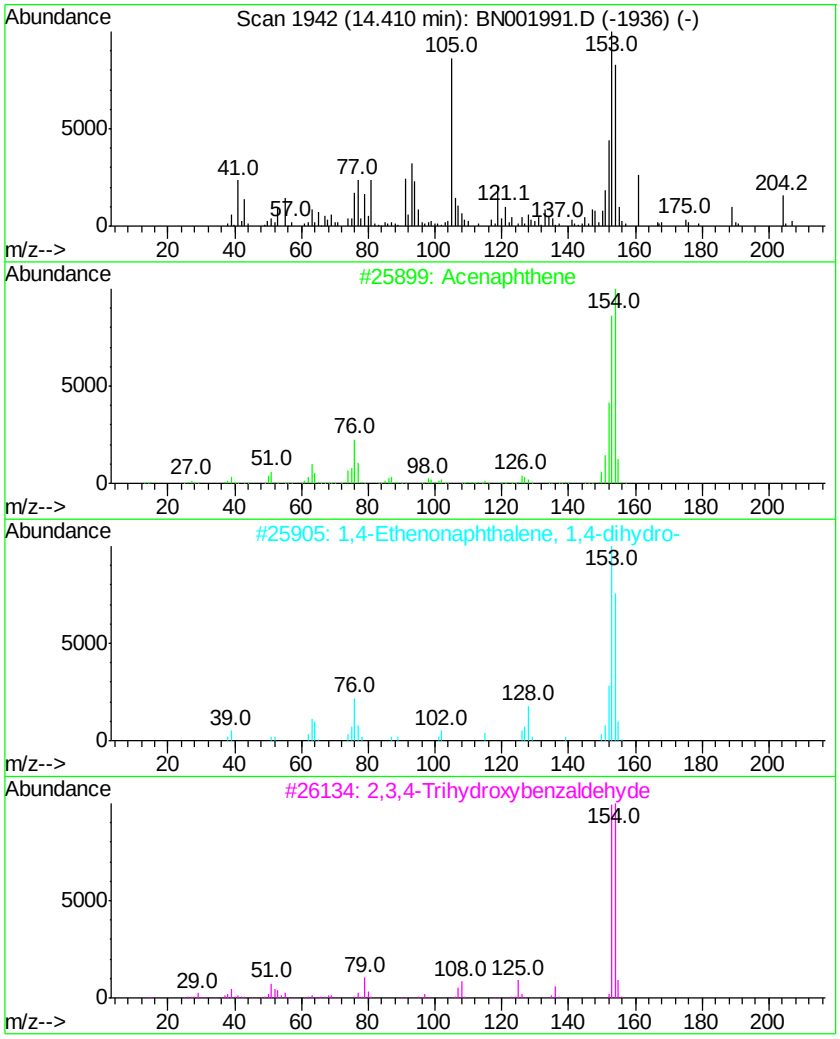
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

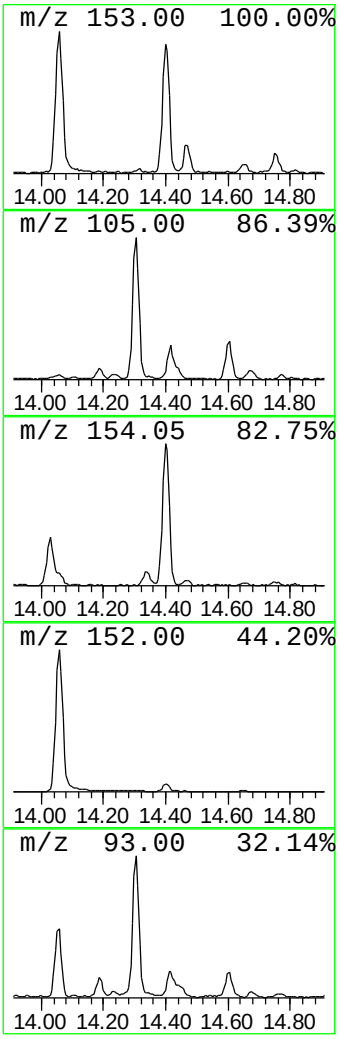
****

Peak Number 3 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	2.22 ng/ul	824855	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphthene	154	C12H10	000083-32-9	49
2	1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	46
3	2,3,4-Trihydroxybenzaldehyde	154	C7H6O4	002144-08-3	46
4	.alpha.-Muurolene	204	C15H24	010208-80-7	45
5	Naphthalene, 1,2,4a,5,6,8a-hexah...	204	C15H24	031983-22-9	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
Data File : BN001991.D
Acq On : 06 Jul 2018 15:56
Operator : JU/SJ
Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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

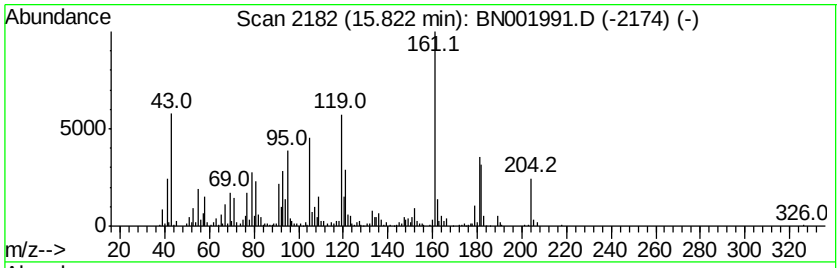
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

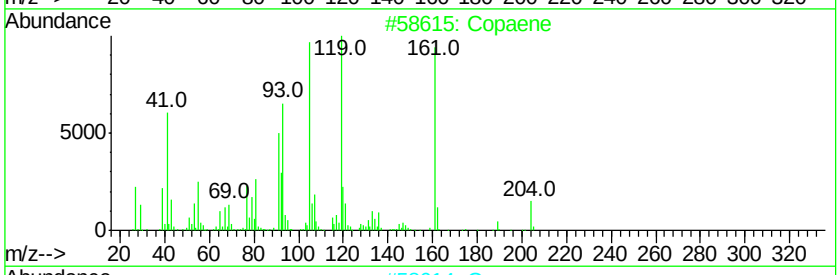
****

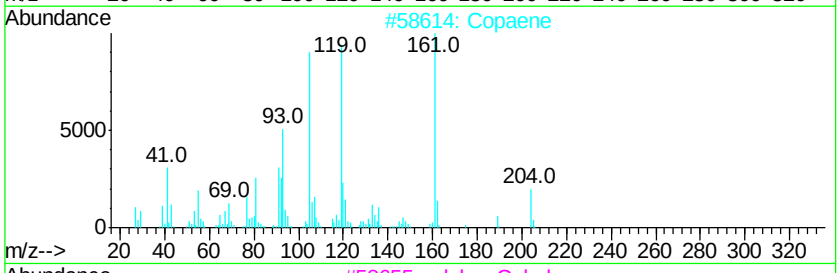
Peak Number 4 Copaene Concentration Rank 21

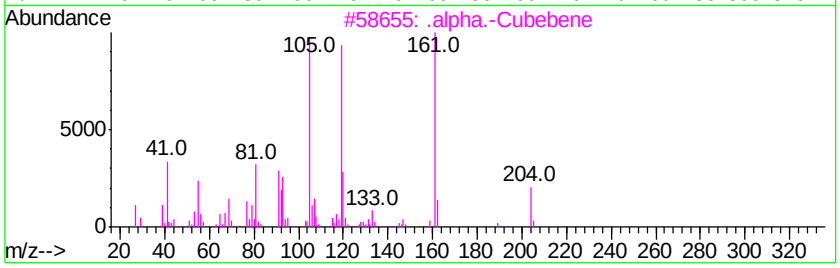
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	2.68 ng/ul	1137040	Phenanthrene-d10	17.09

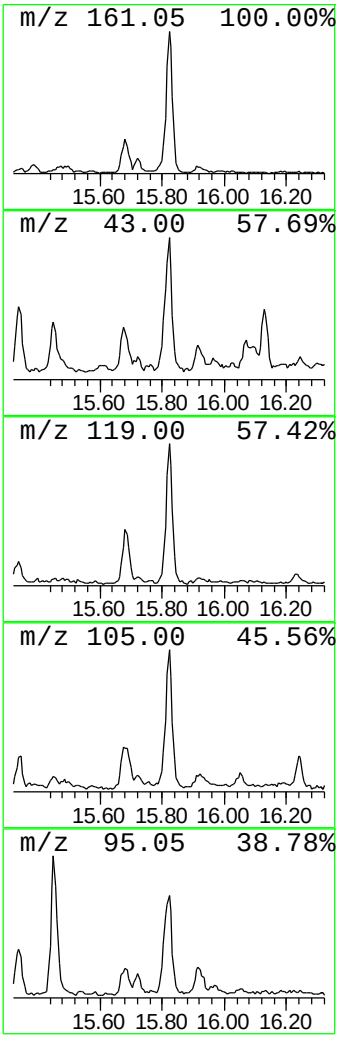
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Copaene	204	C15H24	003856-25-5	92
2	Copaene	204	C15H24	003856-25-5	90
3	.alpha.-Cubebene	204	C15H24	017699-14-8	78
4	Bicyclo[4.4.0]dec-1-ene, 2-isopr...	204	C15H24	150320-52-8	64
5	.alpha.-Cubebene	204	C15H24	017699-14-8	60











Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
Data File : BN001991.D
Acq On : 06 Jul 2018 15:56
Operator : JU/SJ
Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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Quant Title : SVOA CALIBRATION

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

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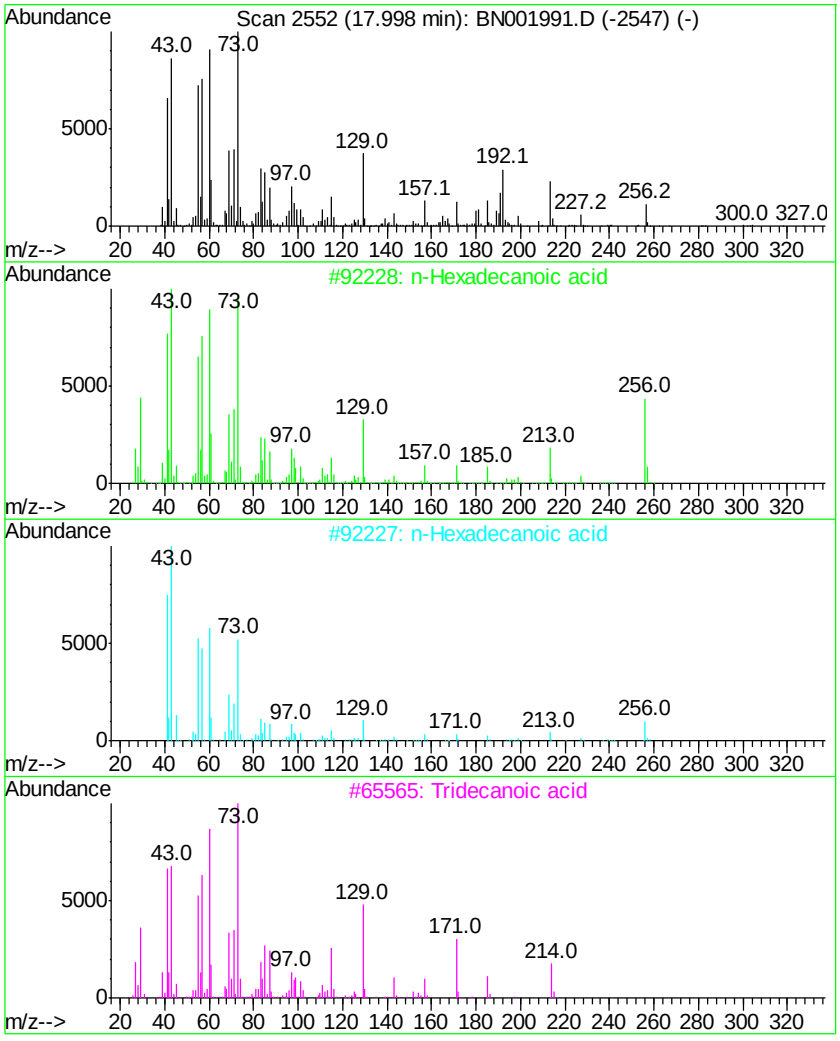
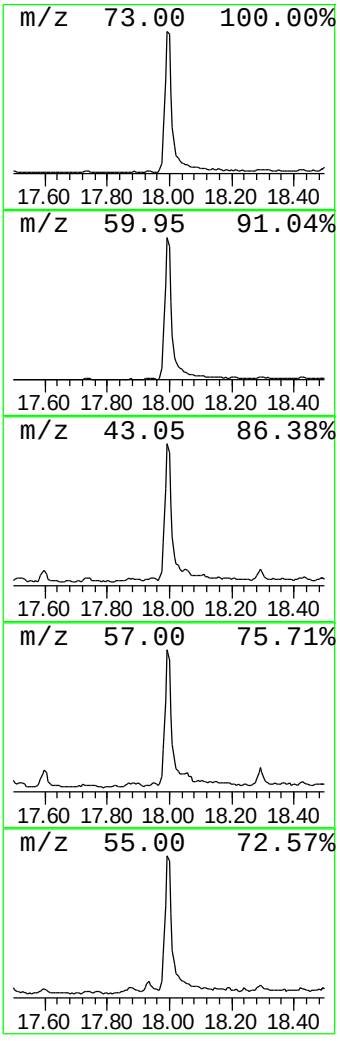
Peak Number 5 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	5.62 ng/ul	2381270	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3	Tridecanoic acid	214	C13H26O2	000638-53-9	95
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
5	Tridecanoic acid	214	C13H26O2	000638-53-9	64





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Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId : F1H10DL

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Quant Title : SVOA CALIBRATION

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

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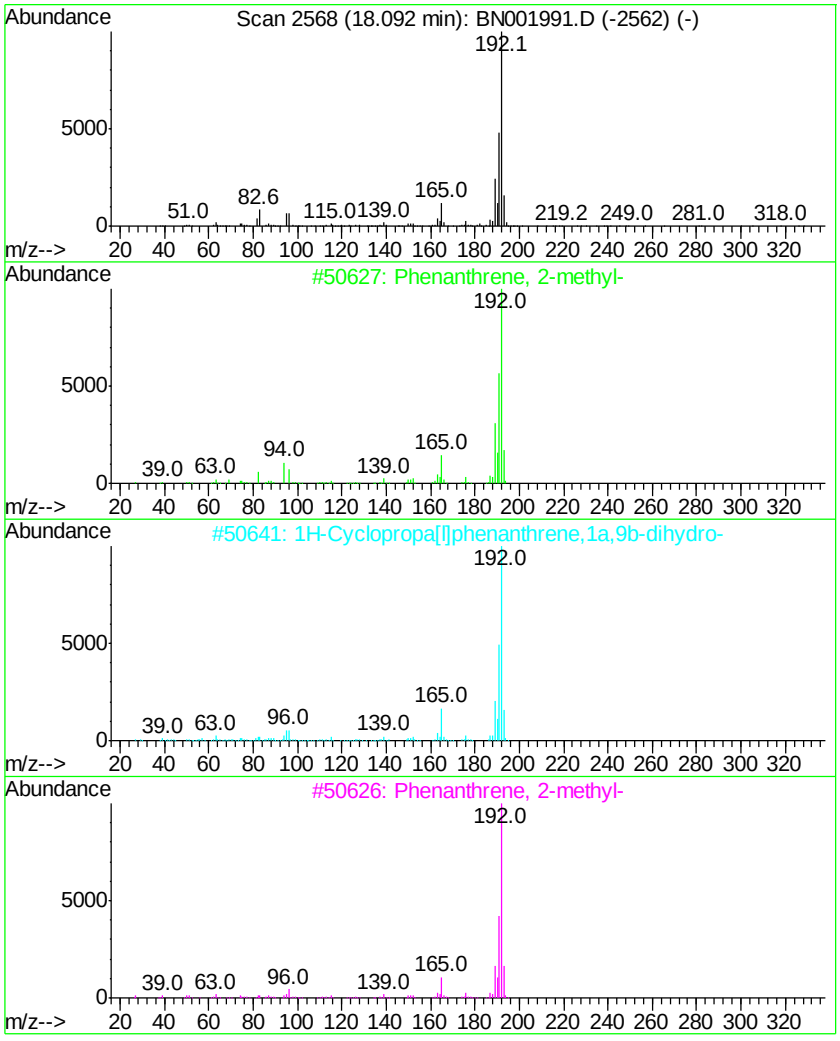
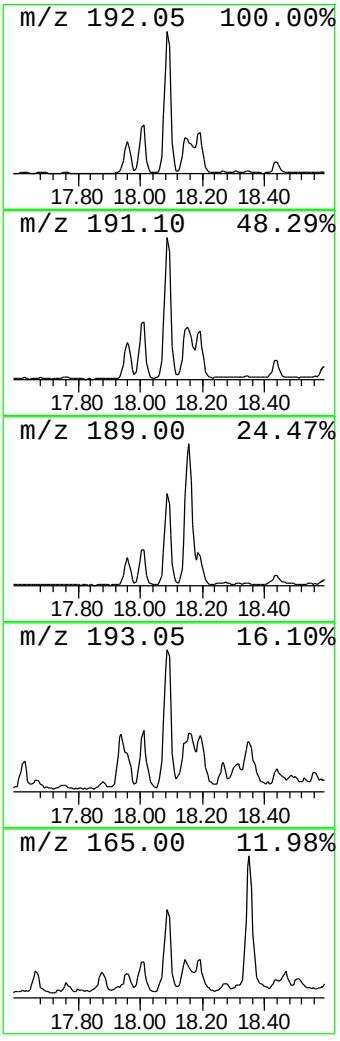
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	2.93 ng/ul	1242630	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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Quant Title : SVOA CALIBRATION

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

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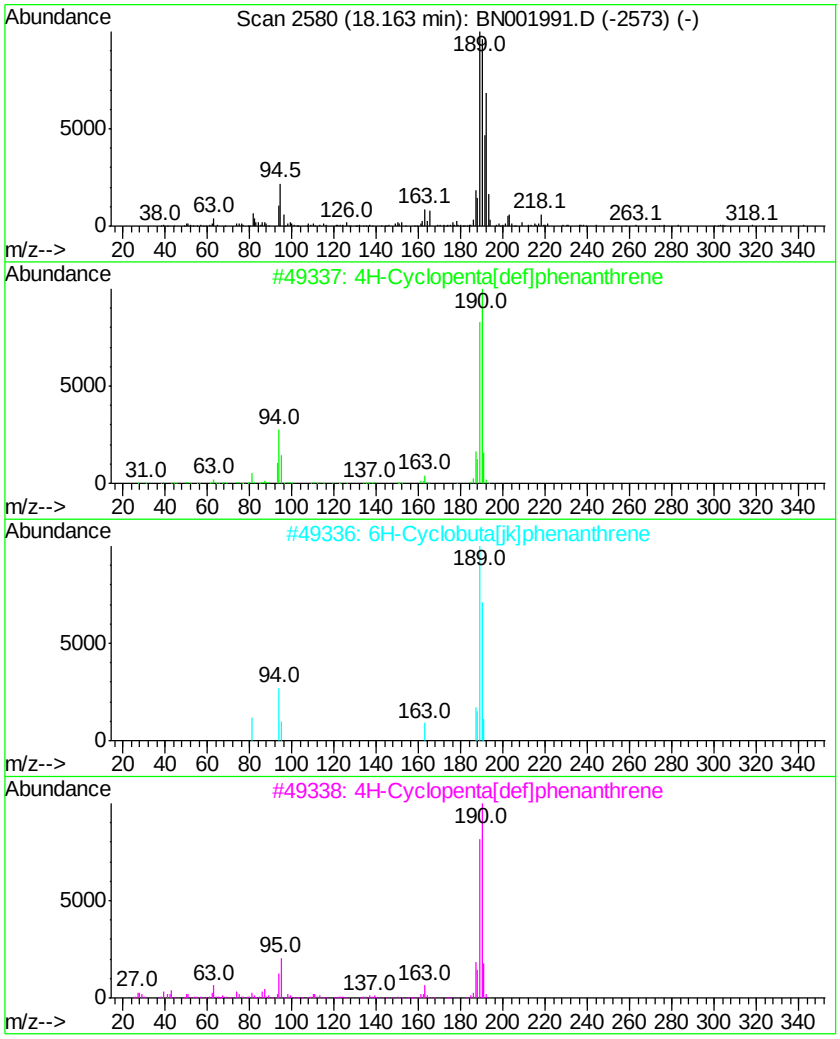
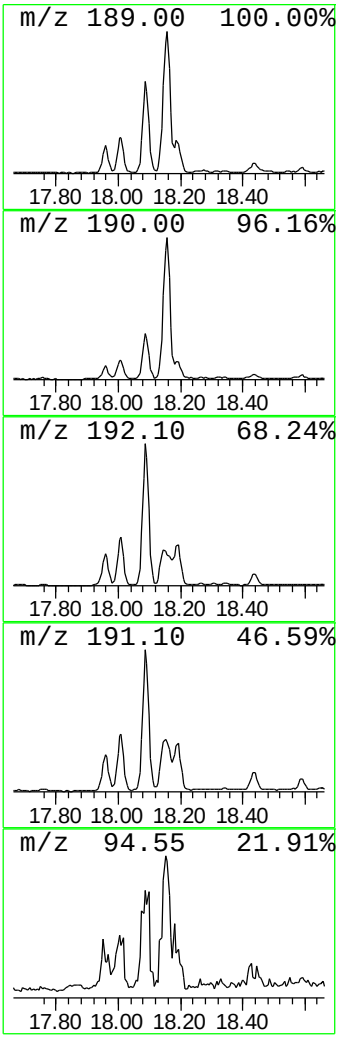
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	2.25 ng/ul	951324	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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Quant Title : SVOA CALIBRATION

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

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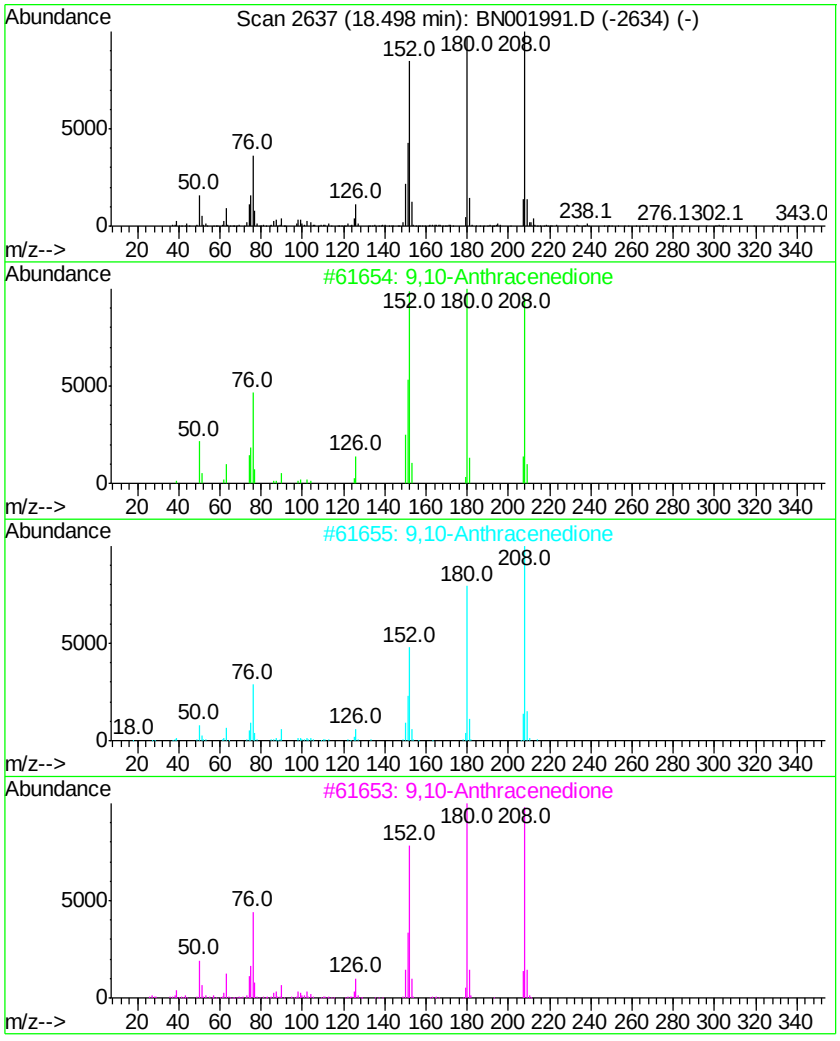
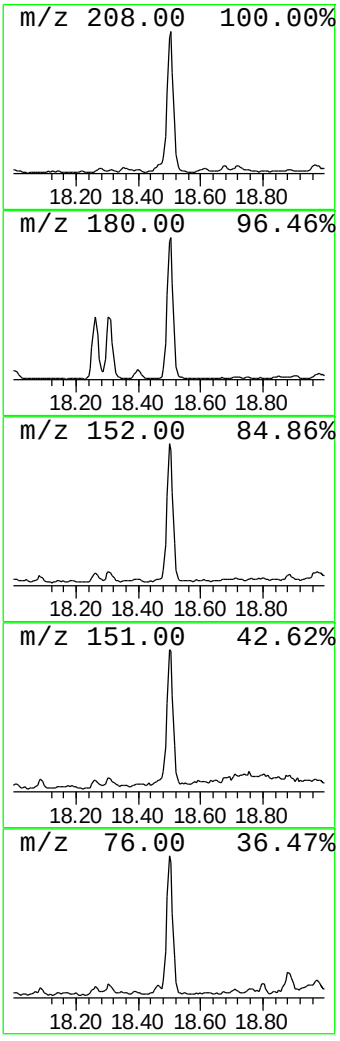
Peak Number 8 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	3.63 ng/ul	1536350	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	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83





Library Search Compound Report

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Misc :
ALS Vial : 12 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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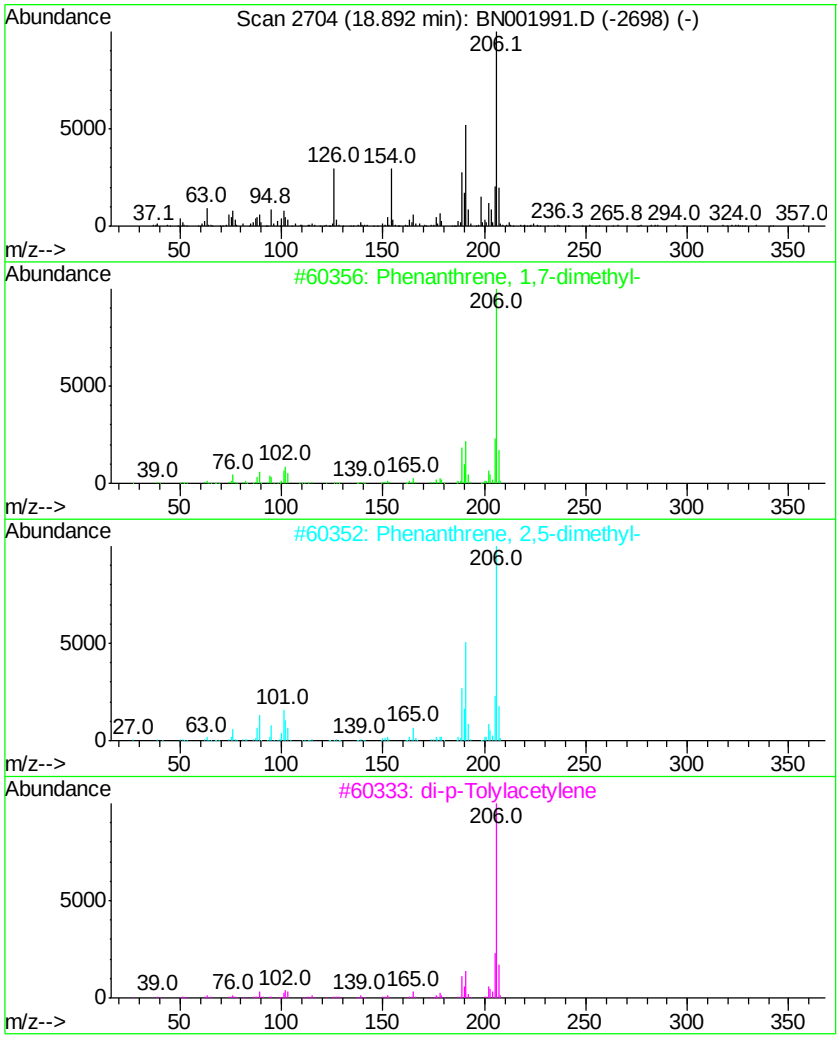
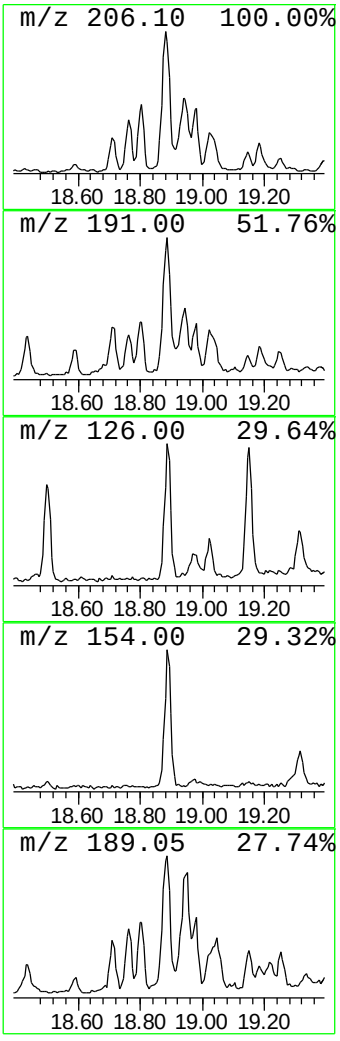
Peak Number 9 Phenanthrene, 1,7-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	2.18 ng/ul	924935	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83





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Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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Quant Title : SVOA CALIBRATION

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

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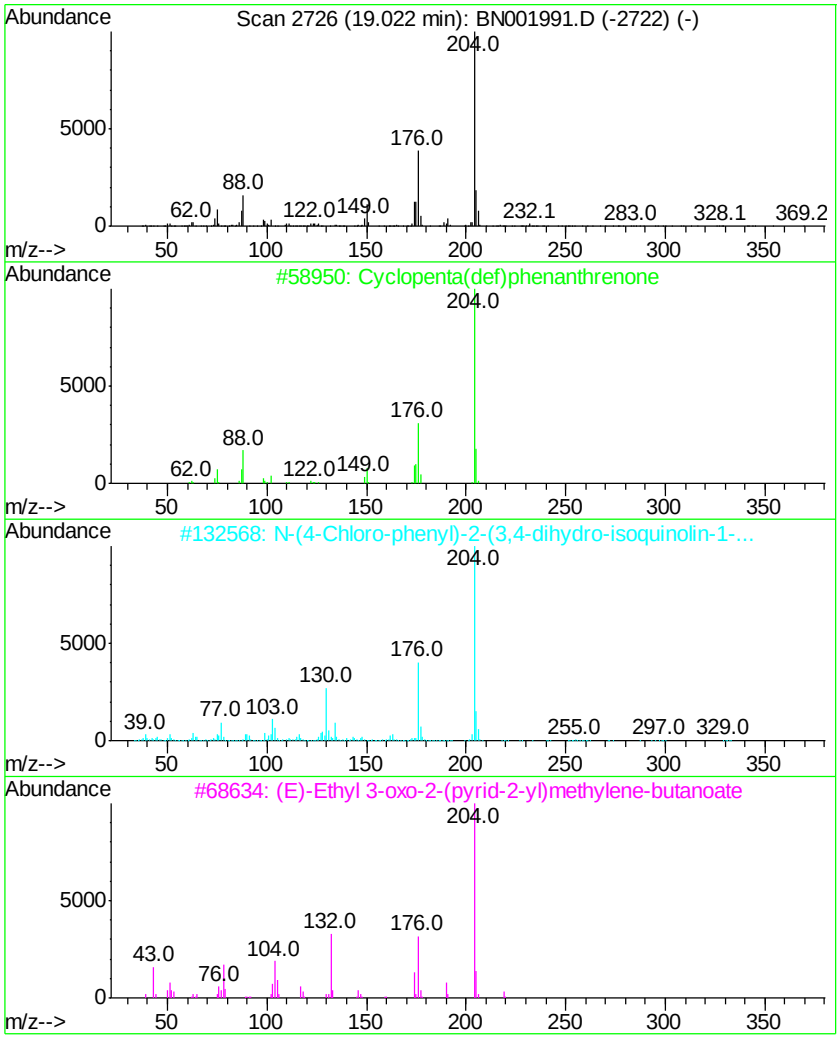
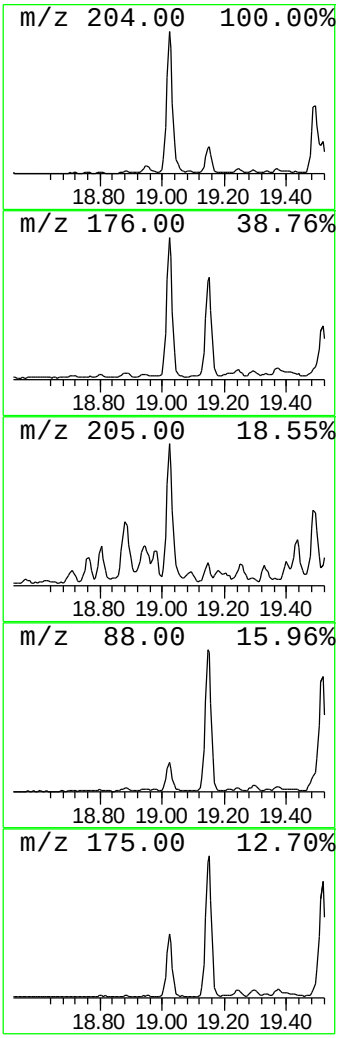
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	4.28 ng/ul	1814820	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	53
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	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





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Operator : JU/SJ
Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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Quant Title : SVOA CALIBRATION

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

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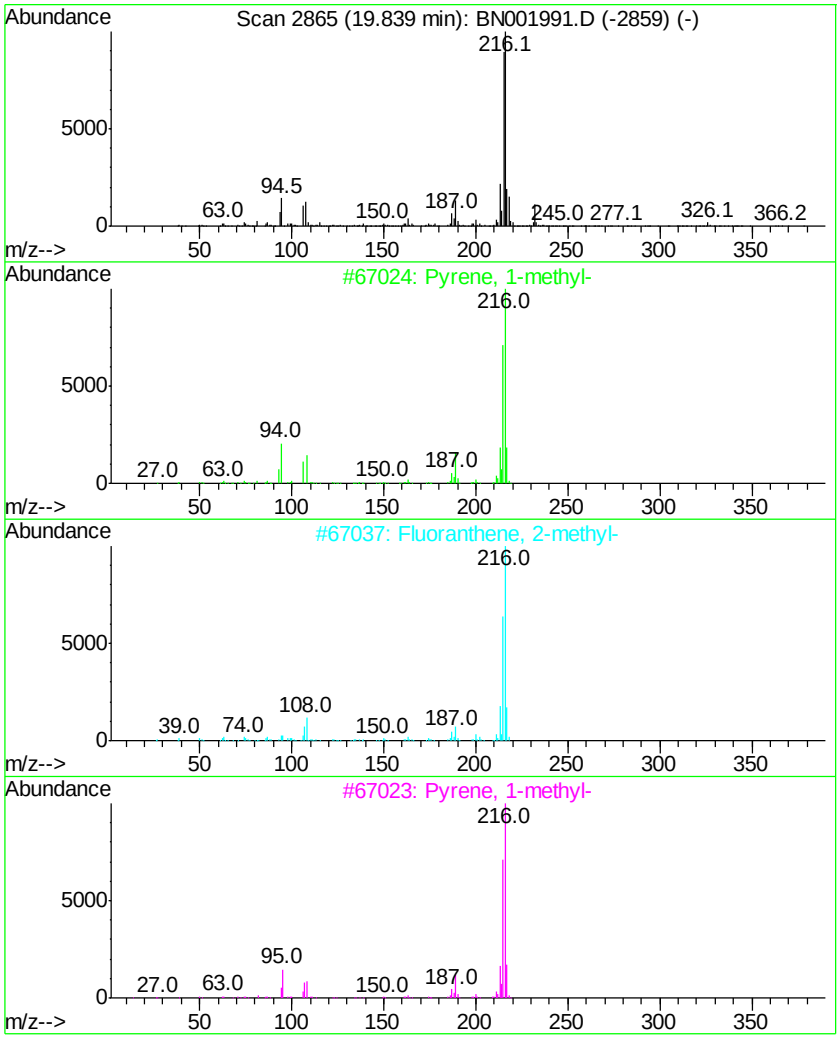
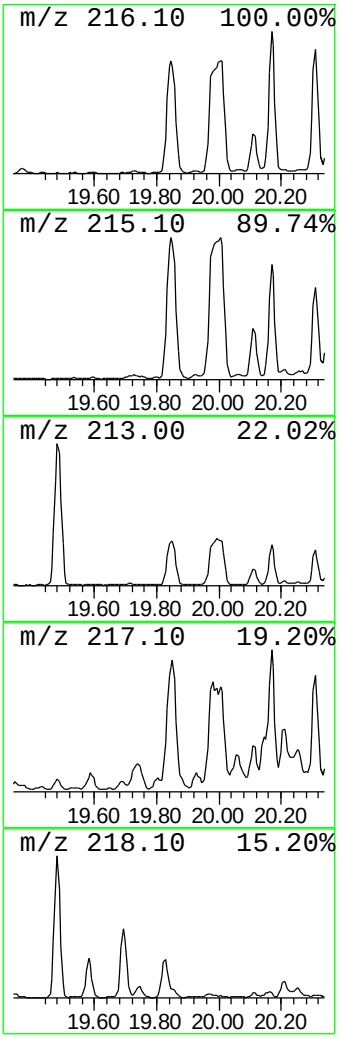
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	3.43 ng/ul	3737050	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92





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Sample : J3765-08DL 2X
Misc :
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Quant Title : SVOA CALIBRATION

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

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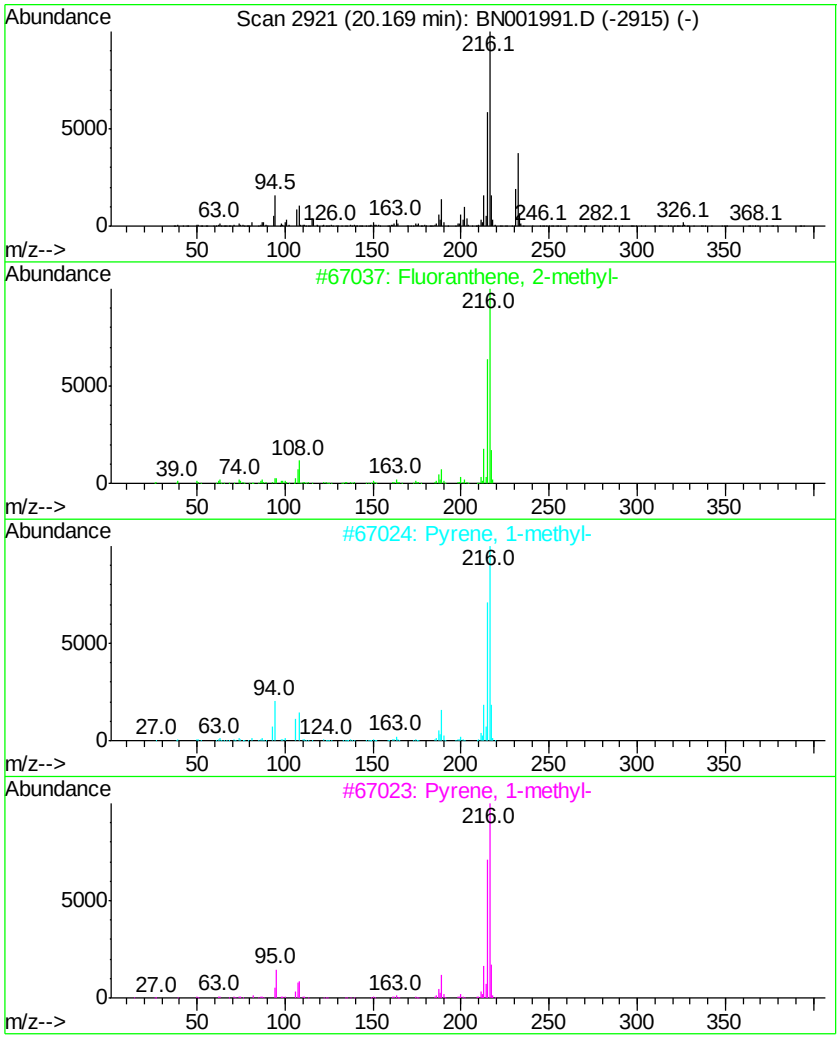
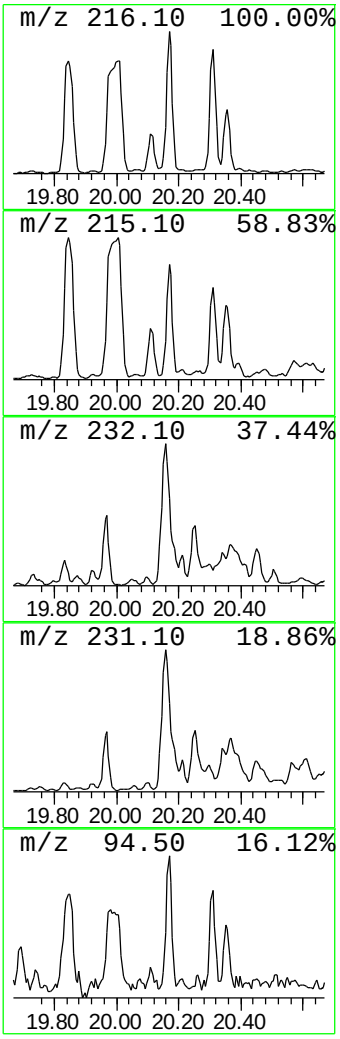
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	3.17 ng/ul	3456610	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Misc :
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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 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	3.06 ng/ul	3333100	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	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	81
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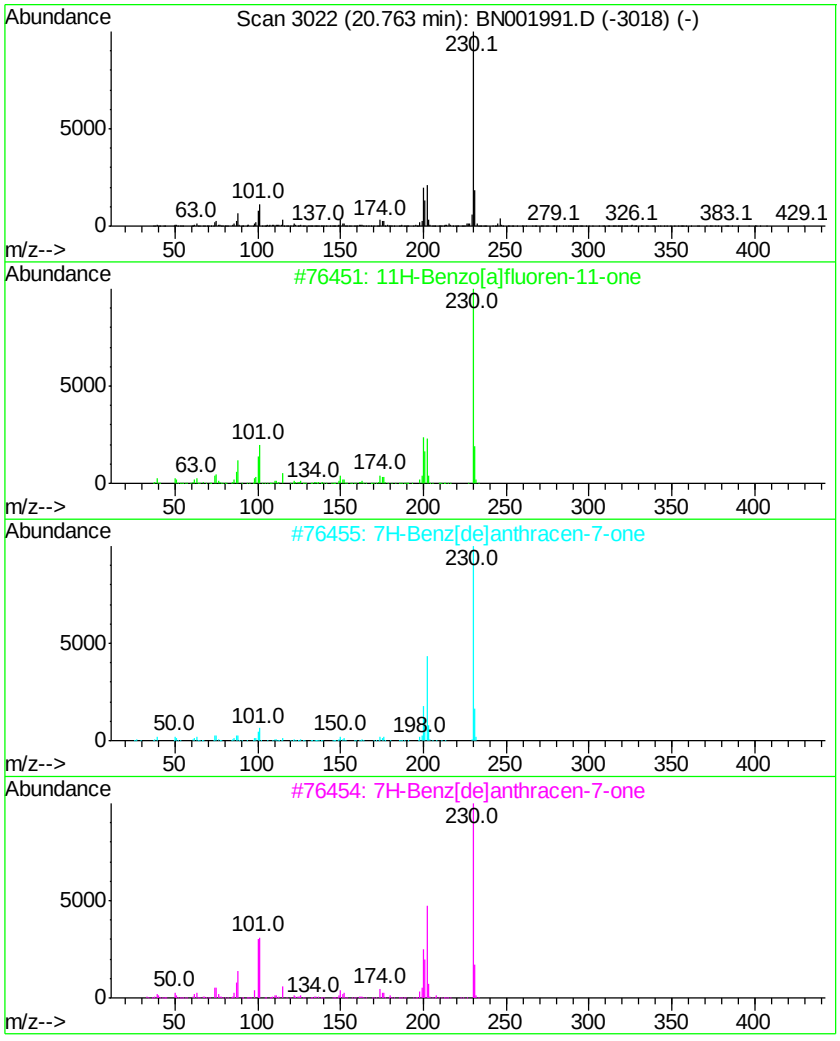

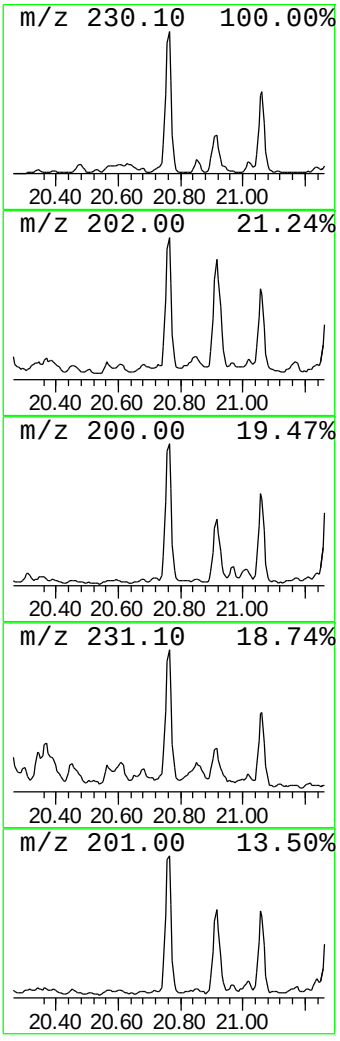

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Quant Title : SVOA CALIBRATION

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

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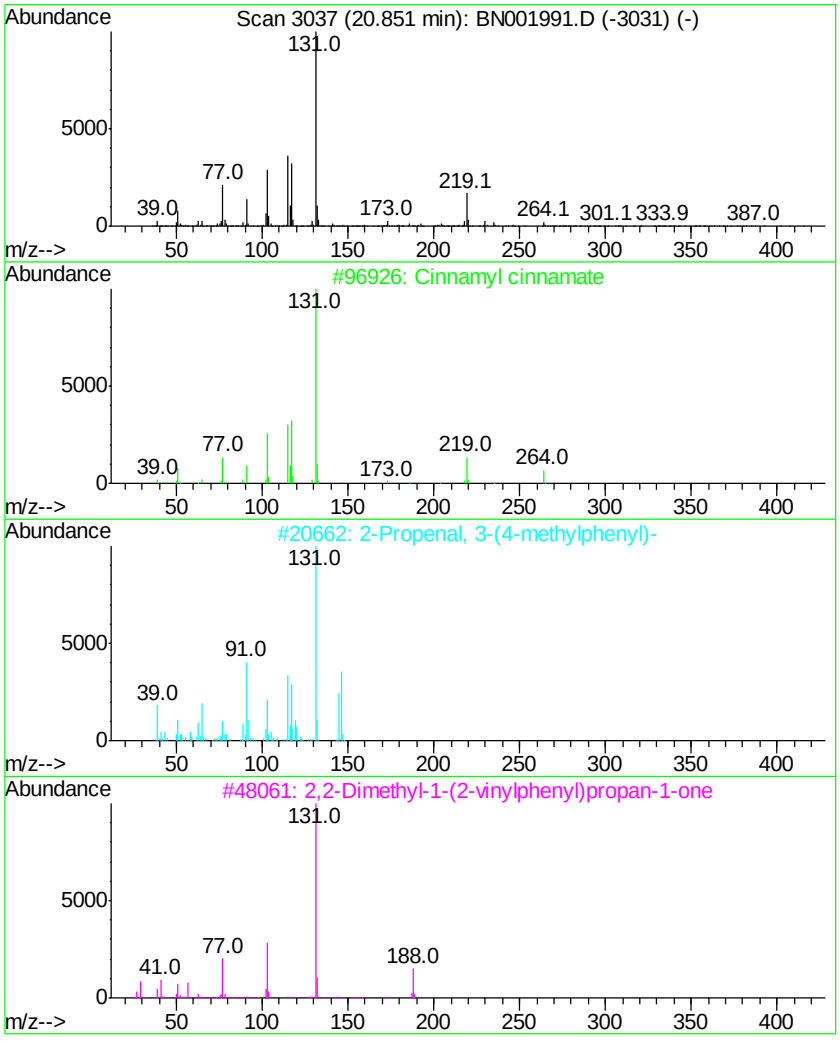
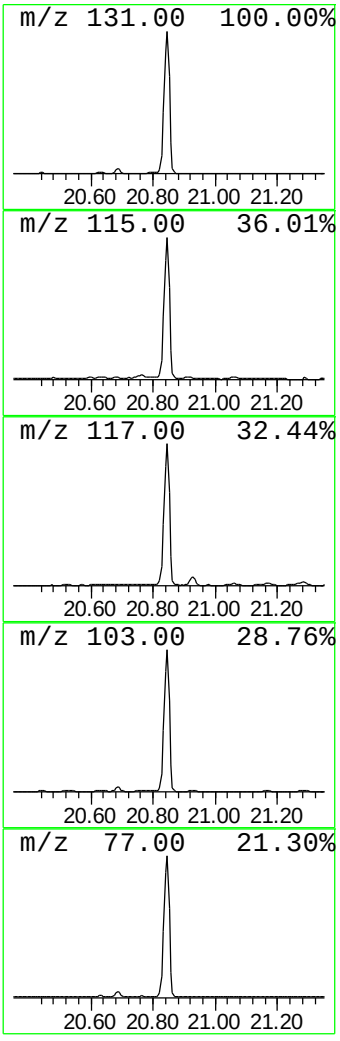
Peak Number 15 Cinnamyl cinnamate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.85	16.14 ng/ul	17580200	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnamyl cinnamate	264	C18H16O2	000122-69-0	87
2	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	50
3	2,2-Dimethyl-1-(2-vinylphenyl)pr...	188	C13H16O	1000210-99-9	49
4	Vinyl trans-cinnamate	174	C11H10O2	017719-70-9	47
5	trans-1-Cinnamoylimidazole	198	C12H10N2O	001138-15-4	47





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Quant Title : SVOA CALIBRATION

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

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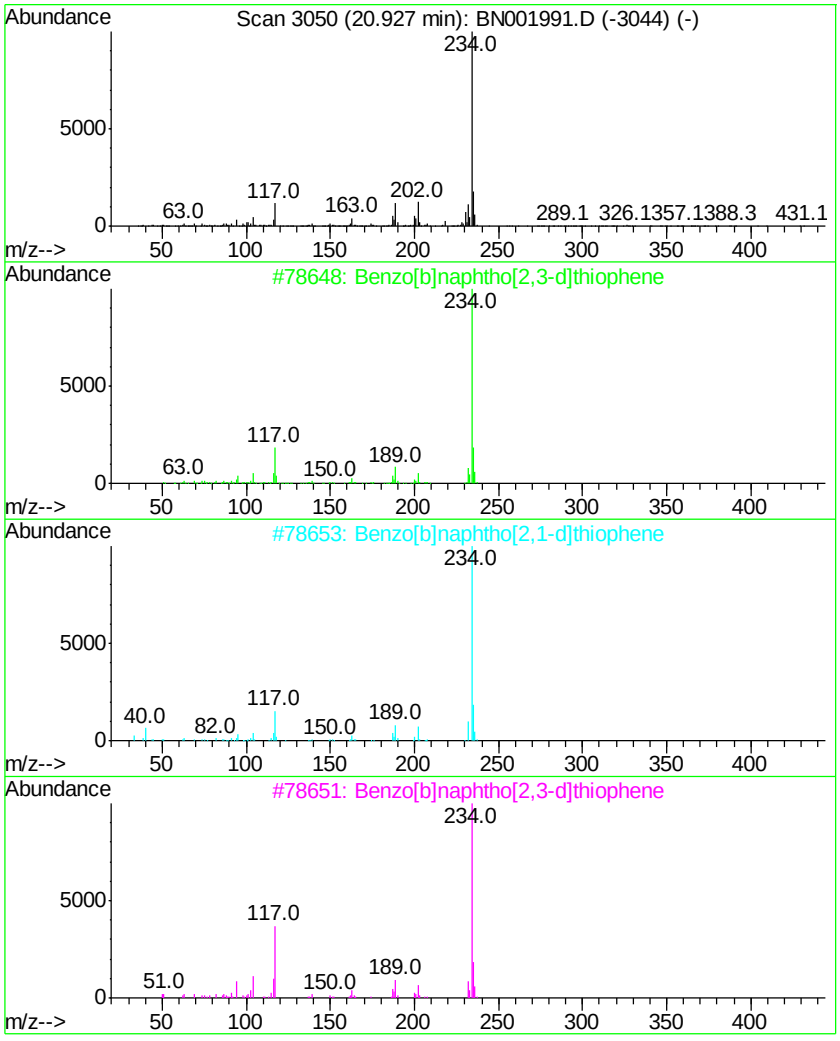
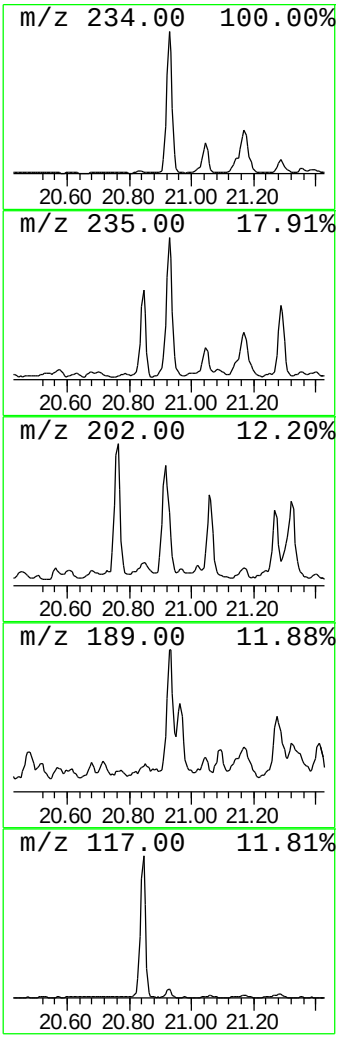
Peak Number 16 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	3.30 ng/ul	3594950	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
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[1,2-d]thiophene	234	C16H10S	000205-43-6	91





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ClientSampleId : F1H10DL

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Quant Title : SVOA CALIBRATION

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

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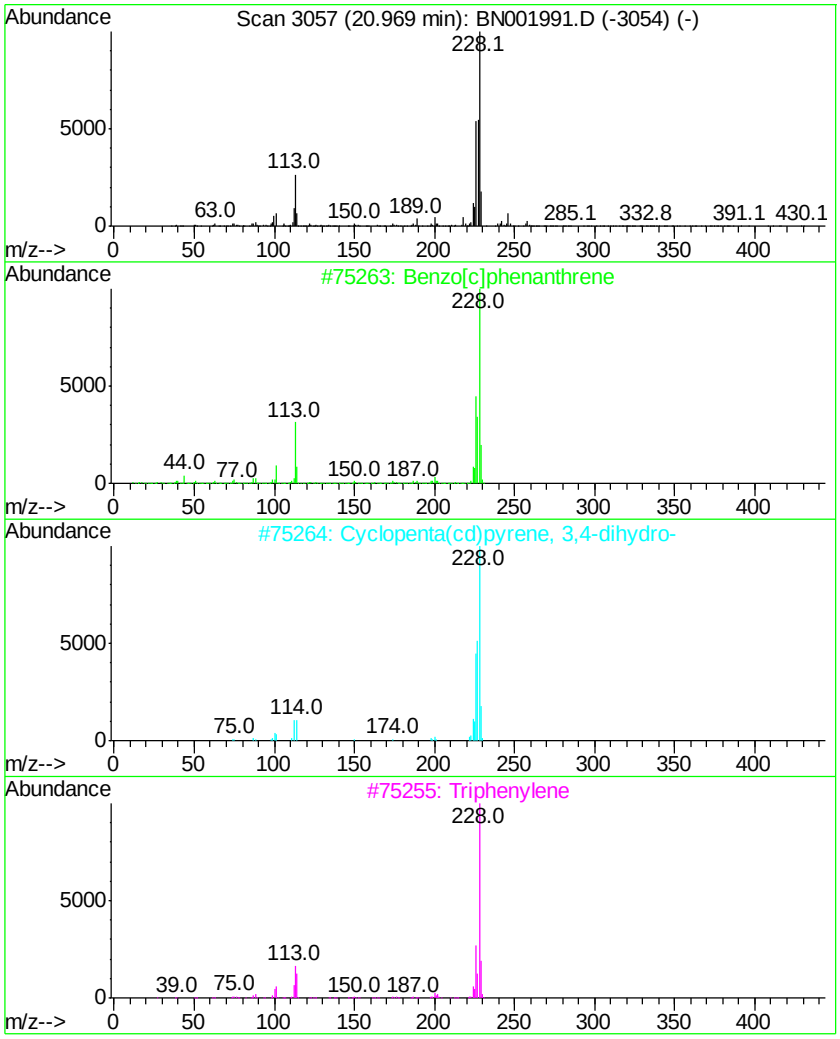
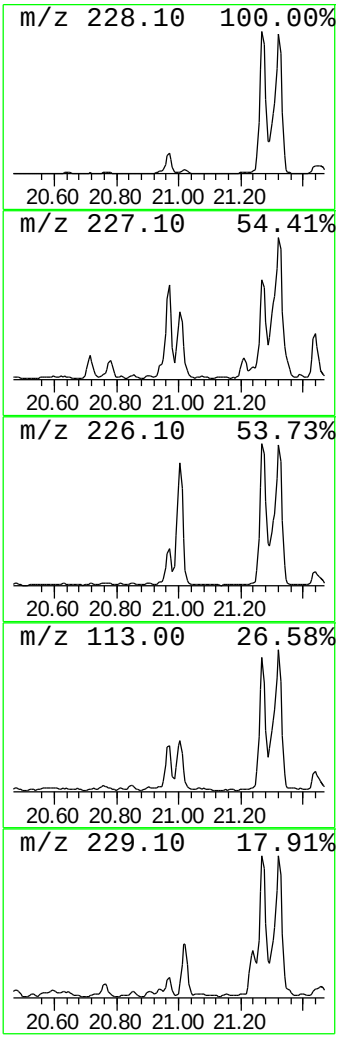
Peak Number 17 Benzo[c]phenanthrene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	2.15 ng/ul	2338430	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	93
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	83
3	Triphenylene	228	C18H12	000217-59-4	55
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
5	Triphenylene	228	C18H12	000217-59-4	46





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Data File : BN001991.D
Acq On : 06 Jul 2018 15:56
Operator : JU/SJ
Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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

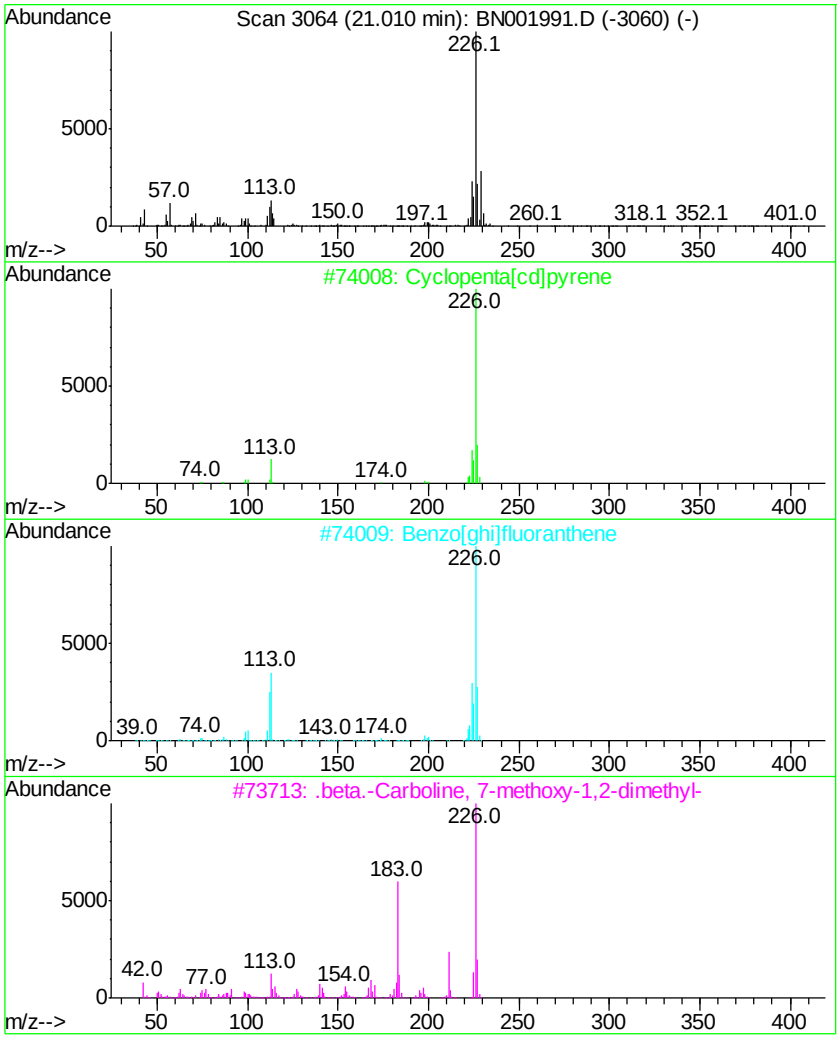
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

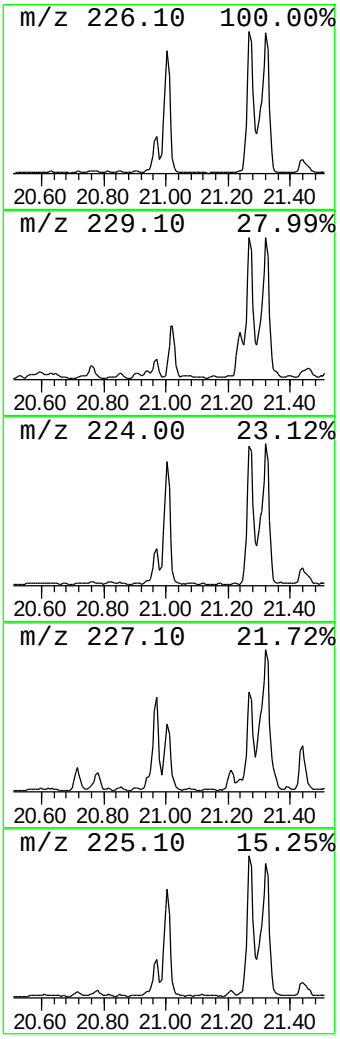
****

Peak Number 18 Cyclopenta[cd]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.01	3.64 ng/ul	3959760	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	91
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	53
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	52
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	47
5	2,2'-Oxydibenzaldehyde	226	C14H10O3	049590-51-4	38





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Operator : JU/SJ
Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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

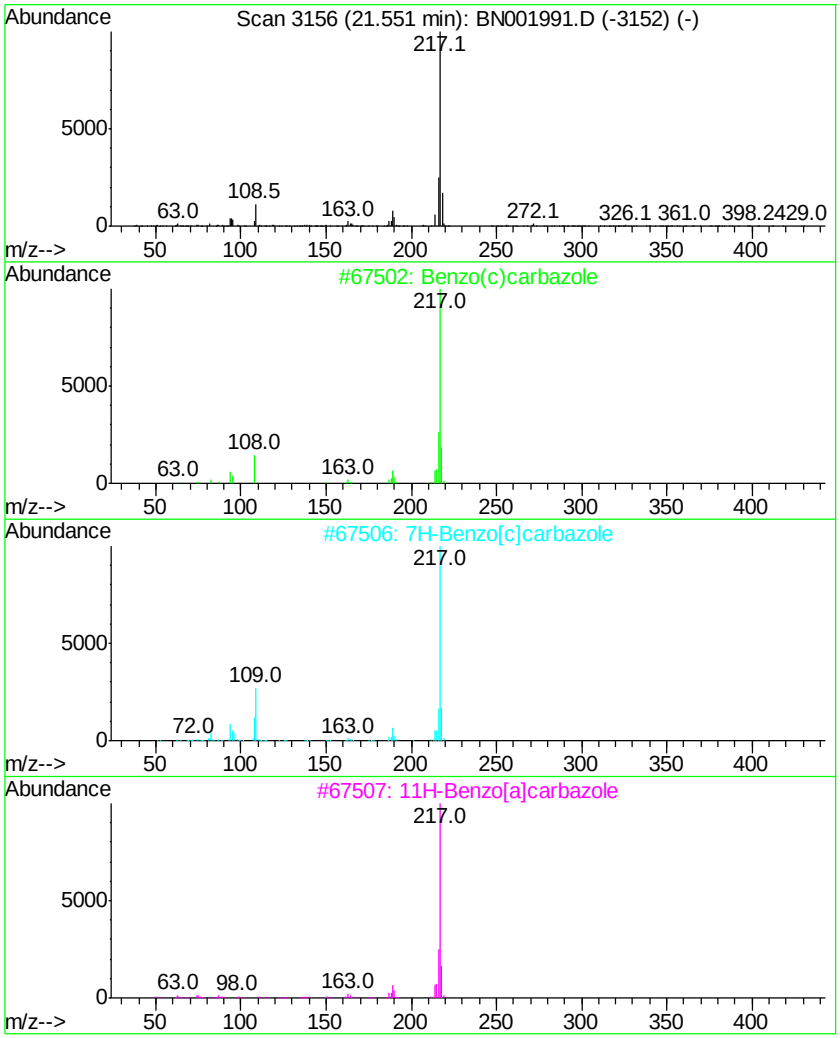
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

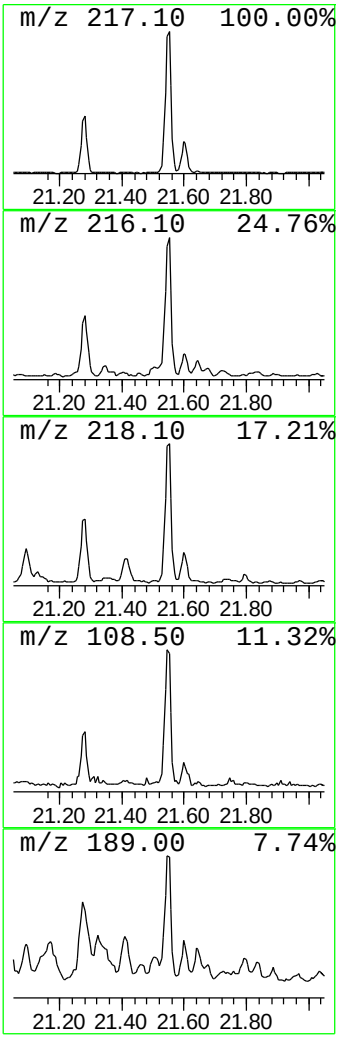
****

Peak Number 20 Benzo(c)carbazole Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.55	2.07 ng/ul	2256090	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(c)carbazole	217	C16H11N	034777-33-8	95
2	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	94
3	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	91
4	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	91
5	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	91





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Data File : BN001991.D
Acq On : 06 Jul 2018 15:56
Operator : JU/SJ
Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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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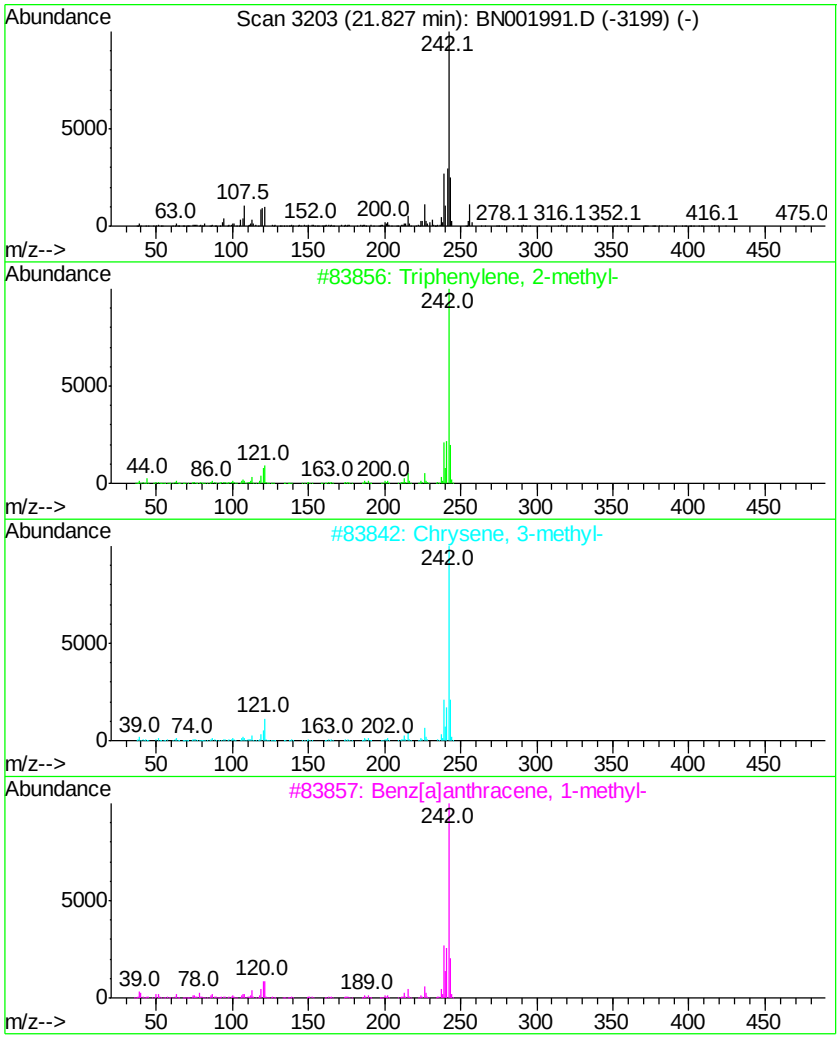
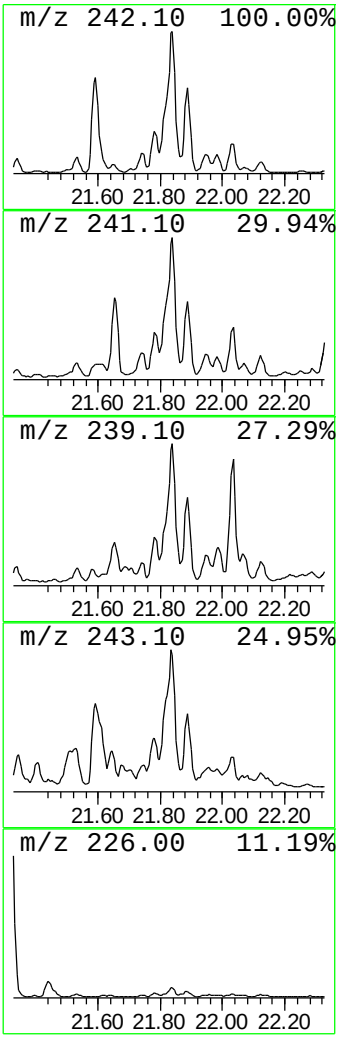
Peak Number 21 Triphenylene, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	2.10 ng/ul	2291950	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	Chrysene, 3-methyl-	242	C19H14	003351-31-3	94
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	92
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90





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Data File : BN001991.D
Acq On : 06 Jul 2018 15:56
Operator : JU/SJ
Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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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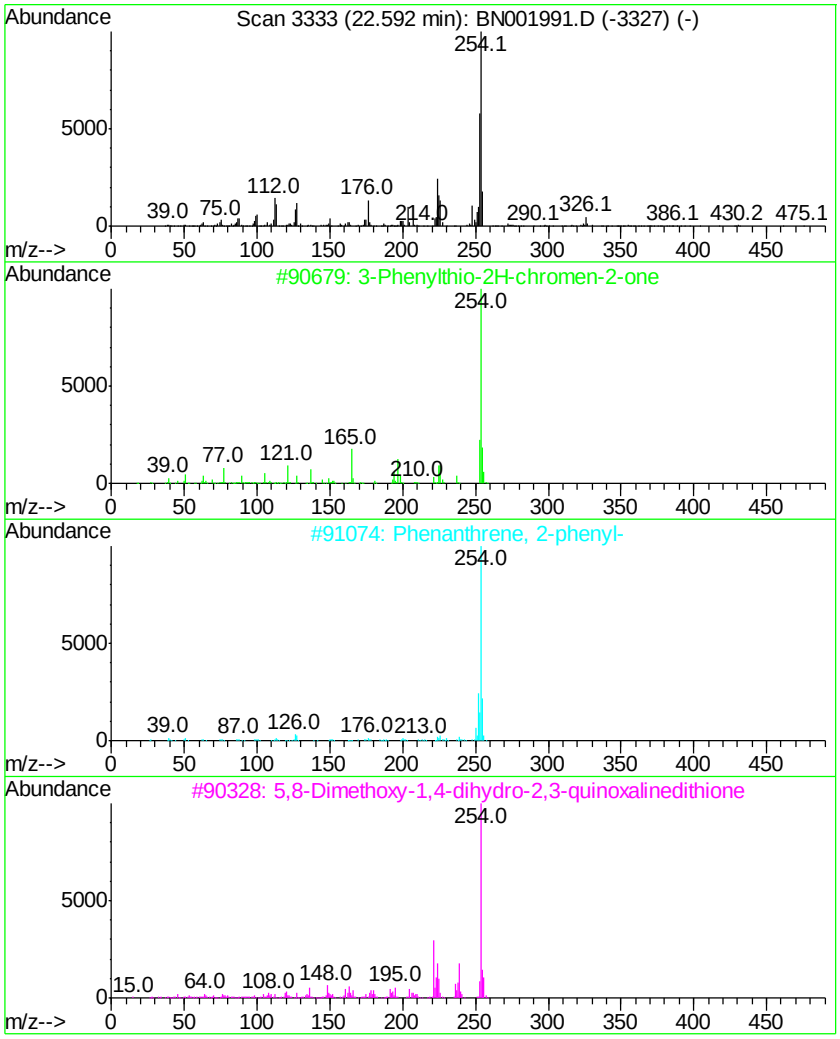
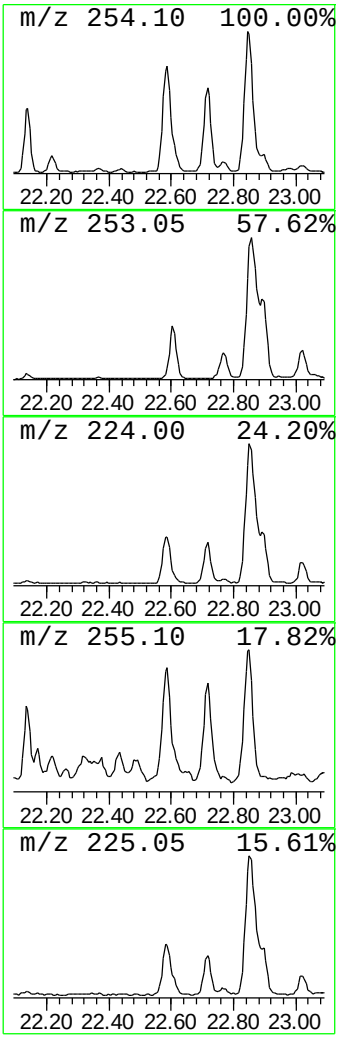
Peak Number 22 3-Phenylthio-2H-chromen-2-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.59	7.95 ng/ul	2290400	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	58
2	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	58
3	5,8-Dimethoxy-1,4-dihydro-2,3-qu...	254	C10H10N2O2S2	001790-96-1	53
4	3-Hydroxy-1-methoxyanthraquinone	254	C15H10O4	028504-24-7	53
5	2-Hydroxy-4-methyl-5-(p-tolylazo...	254	C15H14N2O2	066777-90-0	53





Library Search Compound Report

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Data File : BN001991.D
Acq On : 06 Jul 2018 15:56
Operator : JU/SJ
Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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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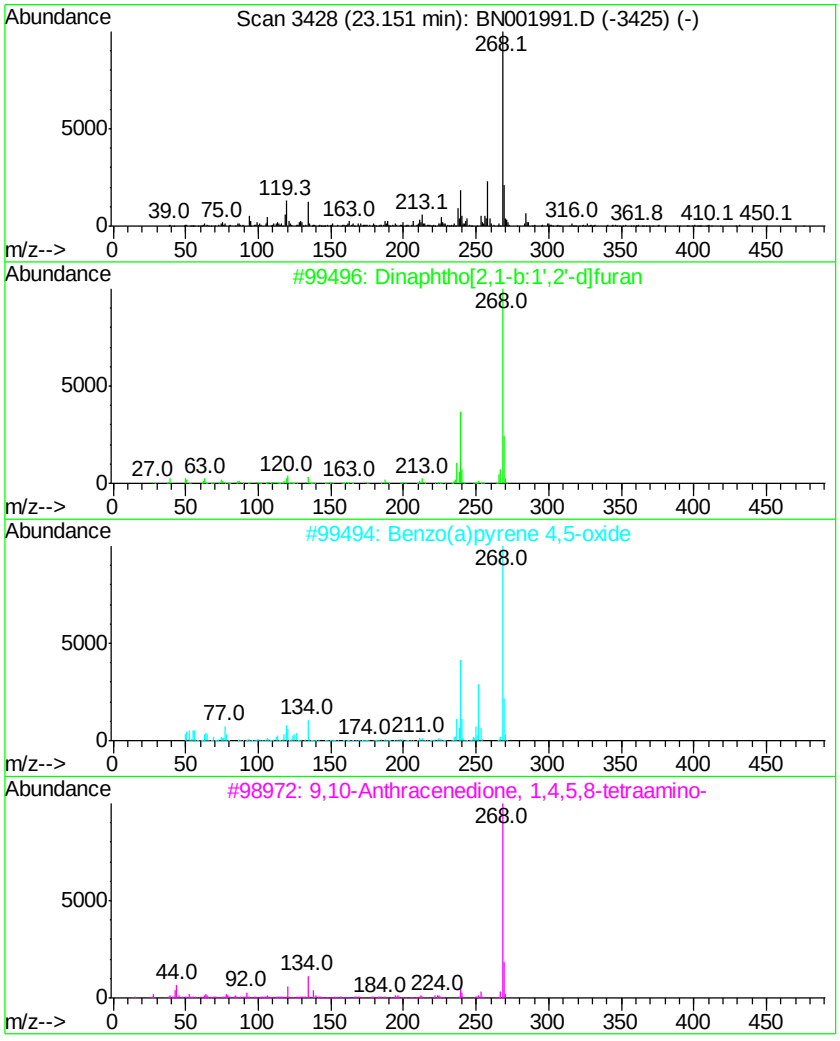
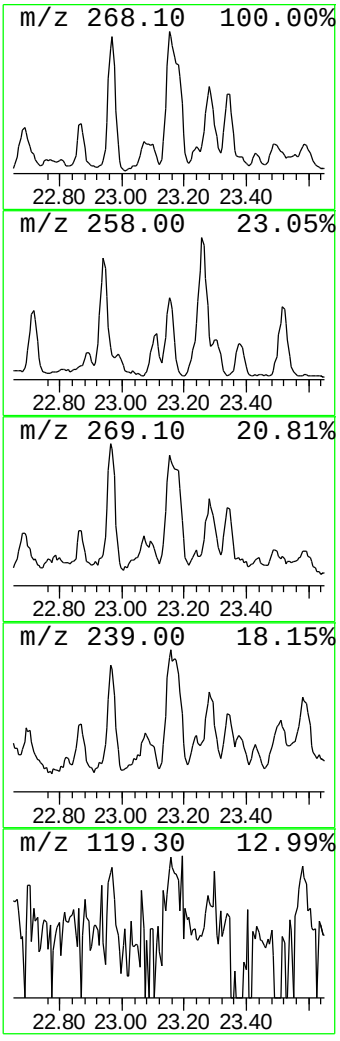
Peak Number 24 Dinaphtho[2,1-b:1',2'-d]furan Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.15	3.53 ng/ul	1016630	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	64
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64
3	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	58
4	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	58
5	trans-3'-Methyl-4-(methylthio)ch...	268	C17H16OS	131316-14-8	53





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Data File : BN001991.D
Acq On : 06 Jul 2018 15:56
Operator : JU/SJ
Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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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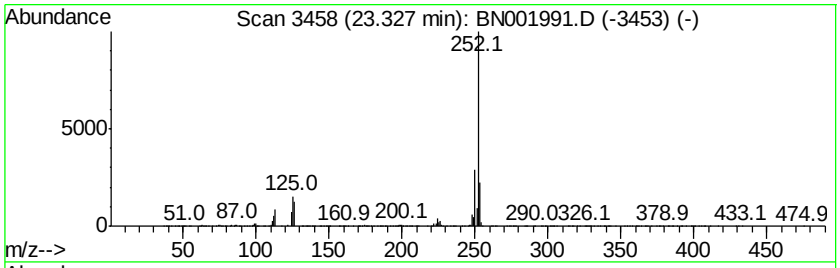
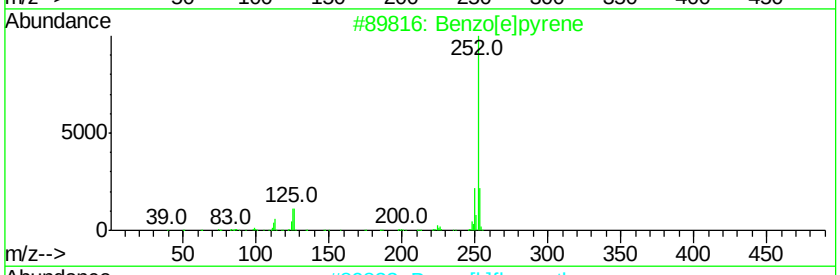
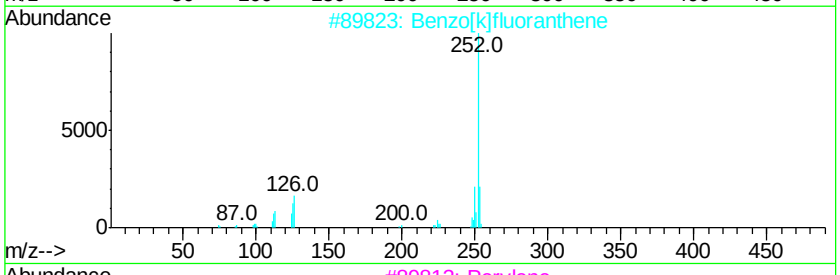
Peak Number 25 Benzo[e]pyrene Concentration Rank 1

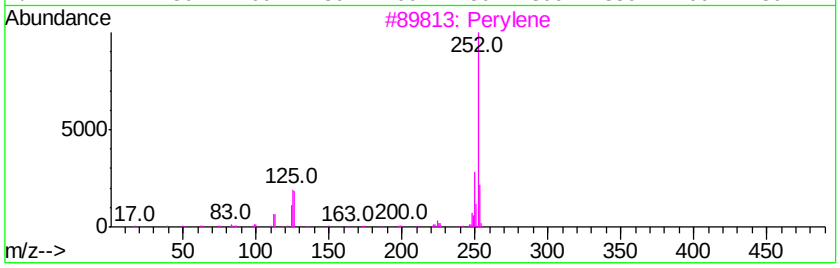
R.T.	EstConc	Area	Relative to ISTD	R.T.
23.33	21.59 ng/ul	6220570	Perylene-d12	23.52

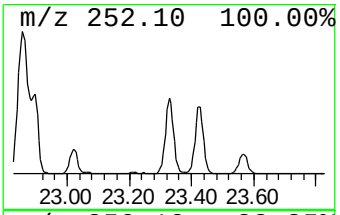
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93

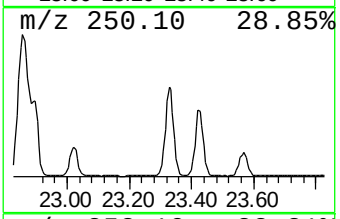


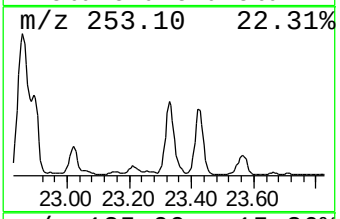


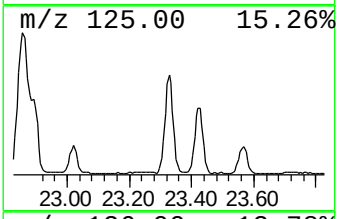


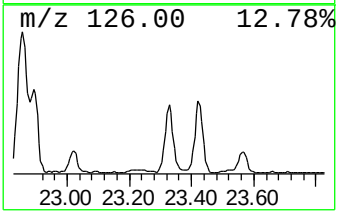












Library Search Compound Report

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Data File : BN001991.D
Acq On : 06 Jul 2018 15:56
Operator : JU/SJ
Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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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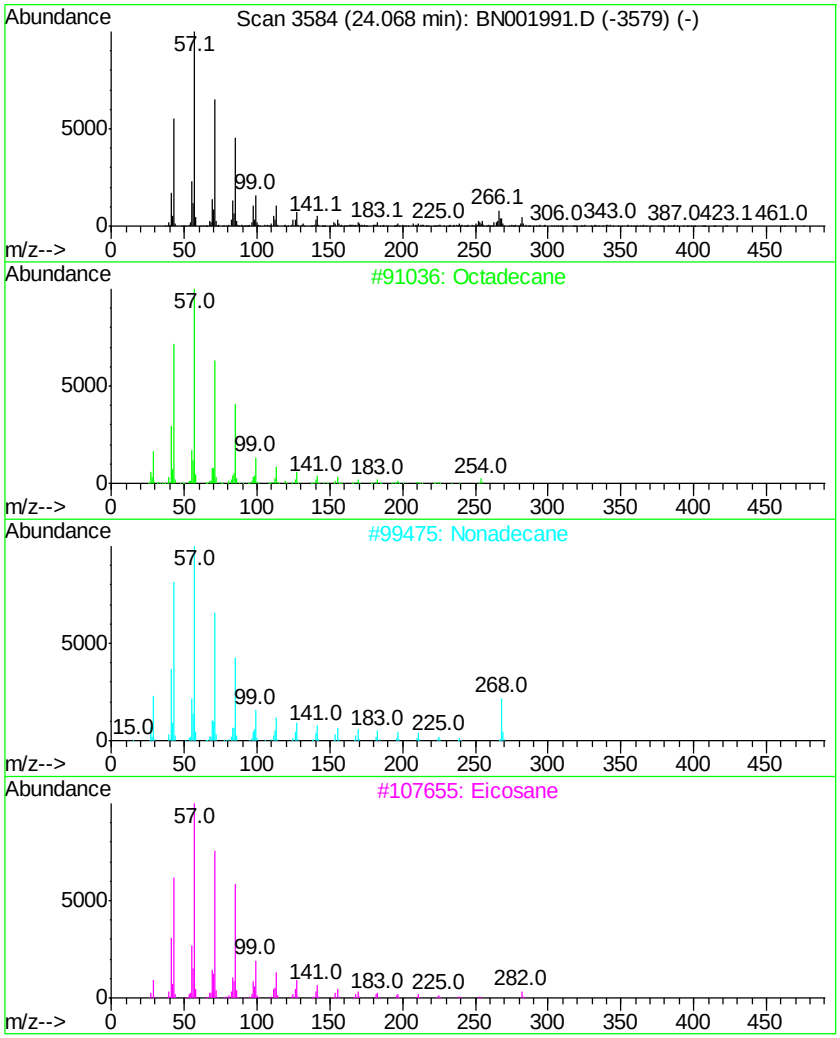
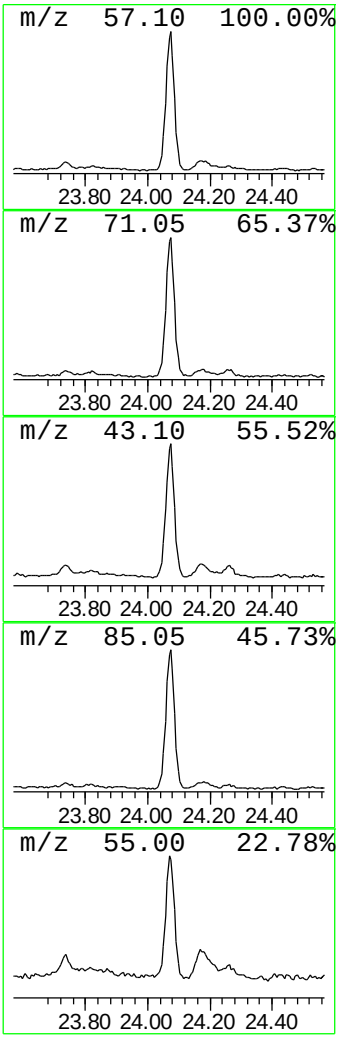
Peak Number 27 (DEL) Alkane: Branched24.07 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.07	7.21 ng/ul	2078170	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	96
2	Nonadecane	268	C19H40	000629-92-5	95
3	Eicosane	282	C20H42	000112-95-8	93
4	Nonadecane	268	C19H40	000629-92-5	91
5	Eicosane	282	C20H42	000112-95-8	90





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Acq On : 06 Jul 2018 15:56
Operator : JU/SJ
Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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

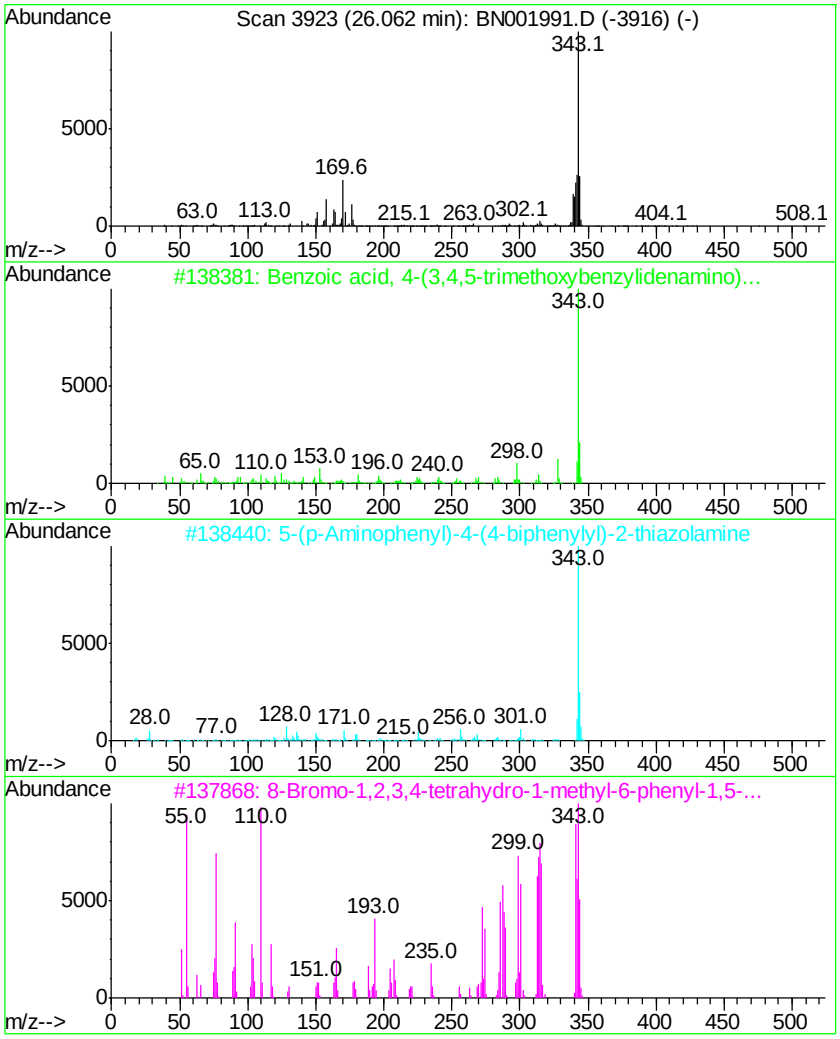
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

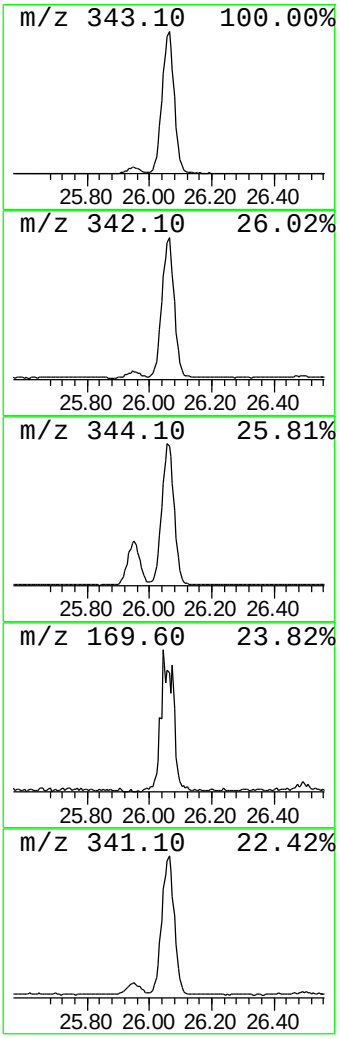
****

Peak Number 28 Benzoic acid, 4-(3,4,5-trim... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.06	21.10 ng/ul	6076740	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 4-(3,4,5-trimethox...	343	C19H21NO5	304683-21-4	43
2	5-(p-Aminophenyl)-4-(4-biphenylyl...	343	C21H17N3S	094863-57-7	38
3	8-Bromo-1,2,3,4-tetrahydro-1-met...	342	C17H15BrN2O	063563-58-6	38
4	1-[4-(Diethylamino)benzylidene]-...	343	C23H25N3	1000223-73-1	32
5	4-Cycloheptylaminomethylene-2-(4...	343	C20H26FN3O	1000276-03-9	32





Tentatively Identified Compound (LSC) summary

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Data File : BN001991.D
Acq On : 06 Jul 2018 15:56
Operator : JU/SJ
Sample : J3765-08DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H10DL

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	12.5	ng/ul	2373160	1	7.71	3797490	20.0
Caryophyllene	13.66	18.7	ng/ul	6945600	3	14.34	7424280	20.0
unknown-01	14.41	2.2	ng/ul	824855	3	14.34	7424280	20.0
Copaene	15.82	2.7	ng/ul	1137040	4	17.09	8471990	20.0
n-Hexadecanoic acid	18.00	5.6	ng/ul	2381270	4	17.09	8471990	20.0
Phenanthrene, 2-m...	18.09	2.9	ng/ul	1242630	4	17.09	8471990	20.0
4H-Cyclopenta[def...	18.16	2.3	ng/ul	951324	4	17.09	8471990	20.0
9,10-Anthracenedione	18.50	3.6	ng/ul	1536350	4	17.09	8471990	20.0
Phenanthrene, 1,7...	18.89	2.2	ng/ul	924935	4	17.09	8471990	20.0
Cyclopenta(def)ph...	19.02	4.3	ng/ul	1814820	4	17.09	8471990	20.0
Pyrene, 1-methyl-	19.84	3.4	ng/ul	3737050	5	21.29	21785300	20.0
Fluoranthene, 2-m...	20.17	3.2	ng/ul	3456610	5	21.29	21785300	20.0
11H-Benzo[a]fluor...	20.76	3.1	ng/ul	3333100	5	21.29	21785300	20.0
Cinnamyl cinnamate	20.85	16.1	ng/ul	17580200	5	21.29	21785300	20.0
Benzo[b]naphtho[2...	20.93	3.3	ng/ul	3594950	5	21.29	21785300	20.0
Benzo[c]phenanthrene	20.97	2.1	ng/ul	2338430	5	21.29	21785300	20.0
Cyclopenta[cd]pyrene	21.01	3.6	ng/ul	3959760	5	21.29	21785300	20.0
Benzo(c)carbazole	21.55	2.1	ng/ul	2256090	5	21.29	21785300	20.0
Triphenylene, 2-m...	21.83	2.1	ng/ul	2291950	5	21.29	21785300	20.0
3-Phenylthio-2H-c...	22.59	8.0	ng/ul	2290400	6	23.52	5761230	20.0
Dinaphtho[2,1-b:1...	23.15	3.5	ng/ul	1016630	6	23.52	5761230	20.0
Benzo[e]pyrene	23.33	21.6	ng/ul	6220570	6	23.52	5761230	20.0
(DEL) Alkane: Bra...	24.07	7.2	ng/ul	2078170	6	23.52	5761230	20.0
Benzoic acid, 4-(...	26.06	21.1	ng/ul	6076740	6	23.52	5761230	20.0