LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001955.D
Acq On : 03 Jul 2018 22:00
Operator : JU/SJ
Sample : J3721-18 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H03

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	12	rVB	871183	1112508	3.48%	0.305%
2	6.416	574	583	591	rVB	373203	583662	1.83%	0.160%
3	6.881	654	662	672	rBV	594548	1008247	3.16%	0.276%
4	7.052	684	691	703	rVV	467970	746325	2.34%	0.204%
5	7.246	718	724	734	rVB	622507	974265	3.05%	0.267%
6	7.711	795	803	811	rBV	2773797	4387905	13.73%	1.202%
7	8.411	915	922	928	rBV	663852	1084601	3.39%	0.297%
8	8.858	991	998	1007	rVB	541315	932501	2.92%	0.255%
9	9.569	1113	1119	1127	rBV	439106	727683	2.28%	0.199%
10	10.105	1203	1210	1219	rVB	747457	1248078	3.91%	0.342%
11	10.481	1264	1274	1281	rBV	3919995	6661234	20.84%	1.825%
12	10.616	1288	1297	1309	rVB	291054	563903	1.76%	0.154%
13	12.622	1631	1638	1647	rBV	260640	466979	1.46%	0.128%
14	13.663	1810	1815	1821	rVV	1766234	2602416	8.14%	0.713%
15	13.751	1824	1830	1834	rVV	1348344	1935685	6.06%	0.530%
16	13.798	1834	1838	1842	rVV	532920	746720	2.34%	0.205%
17	14.028	1870	1877	1880	rBV	1464142	2409223	7.54%	0.660%
18	14.057	1880	1882	1895	rVB	1162272	1502626	4.70%	0.412%
19	14.304	1919	1924	1925	rBV	665039	737239	2.31%	0.202%
20	14.340	1925	1930	1937	rVB2	5297607	8189308	25.63%	2.243%
21	14.410	1937	1942	1957	rVB4	228816	622500	1.95%	0.171%
22	14.540	1957	1964	1970	rBV3	365009	615872	1.93%	0.169%
23	15.334	2093	2099	2104	rVV	1967878	2831319	8.86%	0.776%
24	15.451	2114	2119	2126	rVV	313530	443299	1.39%	0.121%
25	15.822	2174	2182	2192	rVB4	438509	896746	2.81%	0.246%
26	16.057	2216	2222	2227	rBV4	548216	1105211	3.46%	0.303%
27	16.739	2333	2338	2345	rVB3	259011	442913	1.39%	0.121%
28	16.816	2345	2351	2356	rBV	214753	453745	1.42%	0.124%
29	17.087	2390	2397	2400	rBV	5549219	8253231	25.83%	2.261%
30	17.122	2400	2403	2408	rVV	2838377	4037238	12.63%	1.106%
31	17.181	2408	2413	2415	rVV2	1661539	2261649	7.08%	0.620%
32	17.216	2415	2419	2425	rVB	4786370	6735947	21.08%	1.845%
33	17.275	2425	2429	2436	rVB2	360357	563664	1.76%	0.154%
34	17.486	2457	2465	2469	rBV	2174928	3141161	9.83%	0.860%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001955.D
Acq On : 03 Jul 2018 22:00
Operator : JU/SJ
Sample : J3721-18 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H03

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

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

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

35	17.528	2469	2472	2482	rVV	262614	520893	1.63%	0.143%
36	17.604	2482	2485	2491	rVV2	364186	459798	1.44%	0.126%
37	17.957	2537	2545	2548	rBV	768760	1329255	4.16%	0.364%
38	17.998	2548	2552	2561	rVB2	1479535	2718212	8.51%	0.745%
39	18.086	2561	2567	2571	rBV	560972	870507	2.72%	0.238%
40	18.151	2572	2578	2582	rBV2	1291372	2322311	7.27%	0.636%
41	18.186	2582	2584	2592	rVB	551079	740734	2.32%	0.203%
42	18.263	2592	2597	2600	rBV2	253298	500976	1.57%	0.137%
43	18.463	2627	2631	2634	rBV	975796	1302355	4.08%	0.357%
44	18.498	2634	2637	2643	rVB	2375572	3389631	10.61%	0.929%
45	18.710	2670	2673	2677	rBV2	454145	592958	1.86%	0.162%
46	18.757	2678	2681	2685	rVV2	466890	696219	2.18%	0.191%
47	18.798	2685	2688	2693	rVB	419255	537676	1.68%	0.147%
48	18.886	2698	2703	2707	rBV2	918653	1417111	4.43%	0.388%
49	18.939	2708	2712	2716	rVV4	448101	820696	2.57%	0.225%
50	19.022	2722	2726	2736	rVB	1915484	2800044	8.76%	0.767%
51	19.151	2742	2748	2754	rVB	18705031	26253360	82.15%	7.191%
52	19.216	2755	2759	2761	rBV	377330	510994	1.60%	0.140%
53	19.245	2761	2764	2768	rVB2	395661	494647	1.55%	0.135%
54	19.298	2768	2773	2776	rVB2	610473	954618	2.99%	0.261%
55	19.345	2776	2781	2785	rBV	627100	1044119	3.27%	0.286%
56	19.392	2786	2789	2792	rVB	405921	476834	1.49%	0.131%
57	19.480	2799	2804	2806	rBV	4272174	6197591	19.39%	1.698%
58	19.516	2806	2810	2817	rVV	17993016	25621407	80.17%	7.018%
59	19.586	2818	2822	2827	rVV2	852327	1496408	4.68%	0.410%
60	19.692	2836	2840	2845	rBV	949039	1324398	4.14%	0.363%
61	19.751	2846	2850	2856	rVB2	1244707	1972555	6.17%	0.540%
62	19.839	2859	2865	2871	rBV3	1879785	4667542	14.61%	1.279%
63	19.975	2883	2888	2889	rBV2	1787083	2295084	7.18%	0.629%
64	20.110	2907	2911	2914	rBV2	1088075	1307537	4.09%	0.358%
65	20.169	2914	2921	2925	rVV2	2510787	4426248	13.85%	1.212%
66	20.204	2925	2927	2931	rVB	582270	705035	2.21%	0.193%
67	20.251	2931	2935	2941	rVB	524019	784899	2.46%	0.215%
68	20.310	2941	2945	2948	rBV	1624884	2197211	6.88%	0.602%
69	20.357	2949	2953	2957	rVB4	1007923	1485160	4.65%	0.407%
70	20.475	2971	2973	2977	rVB3	563900	718667	2.25%	0.197%
71	20.580	2985	2991	2994	rBV4	756839	1883145	5.89%	0.516%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J3721-18 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H03

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	20.680	3005	3008	3011	rVB3	461658	519112	1.62%	0.142%
73	20.763	3017	3022	3028	rVB	3375260	4710001	14.74%	1.290%
74	20.839	3031	3035	3041	rVV	4894021	6464201	20.23%	1.771%
75	20.927	3043	3050	3054	rVV2	2632885	5237525	16.39%	1.435%
76	20.969	3054	3057	3060	rVV	2339136	3109078	9.73%	0.852%
77	21.004	3060	3063	3068	rVV2	2925073	5098252	15.95%	1.397%
78	21.057	3068	3072	3080	rVB2	2898191	4273960	13.37%	1.171%
79	21.169	3088	3091	3096	rVB3	612397	893094	2.79%	0.245%
80	21.275	3100	3109	3114	rBV3	10265951	24840013	77.73%	6.804%
81	21.322	3114	3117	3124	rVV	10046468	14520370	45.44%	3.977%
82	21.404	3128	3131	3134	rVB2	421213	469841	1.47%	0.129%
83	21.439	3134	3137	3142	rBV2	1066170	2071606	6.48%	0.567%
84	21.592	3159	3163	3168	rBV2	1832131	3053767	9.56%	0.836%
85	21.645	3168	3172	3176	rVV3	925345	1283112	4.02%	0.351%
86	21.833	3198	3204	3208	rVB	1910707	3278261	10.26%	0.898%
87	21.892	3209	3214	3220	rBV2	2465622	3741127	11.71%	1.025%
88	22.033	3234	3238	3241	rBV	1280521	1867357	5.84%	0.512%
89	22.133	3250	3255	3259	rBV3	818134	1313999	4.11%	0.360%
90	22.304	3281	3284	3289	rBV	818798	1141374	3.57%	0.313%
91	22.592	3328	3333	3334	rBV2	994501	1595952	4.99%	0.437%
92	22.857	3371	3378	3383	rBV2	13479651	31956941	100.00%	8.754%
93	23.021	3401	3406	3417	rVB	2312175	4010413	12.55%	1.099%
94	23.151	3424	3428	3438	rBV	1066810	2727069	8.53%	0.747%
95	23.333	3452	3459	3464	rBV	7026439	12686108	39.70%	3.475%
96	23.427	3469	3475	3481	rVB	7516698	13662120	42.75%	3.742%
97	23.521	3483	3491	3495	rBV	3007860	6636346	20.77%	1.818%
98	23.569	3495	3499	3507	rVB2	2345962	4958128	15.52%	1.358%
99	25.757	3862	3871	3883	rVB	4220208	12807814	40.08%	3.508%
100	26.439	3978	3987	4001	rVB	2338709	7275708	22.77%	1.993%

Sum of corrected areas: 365065087

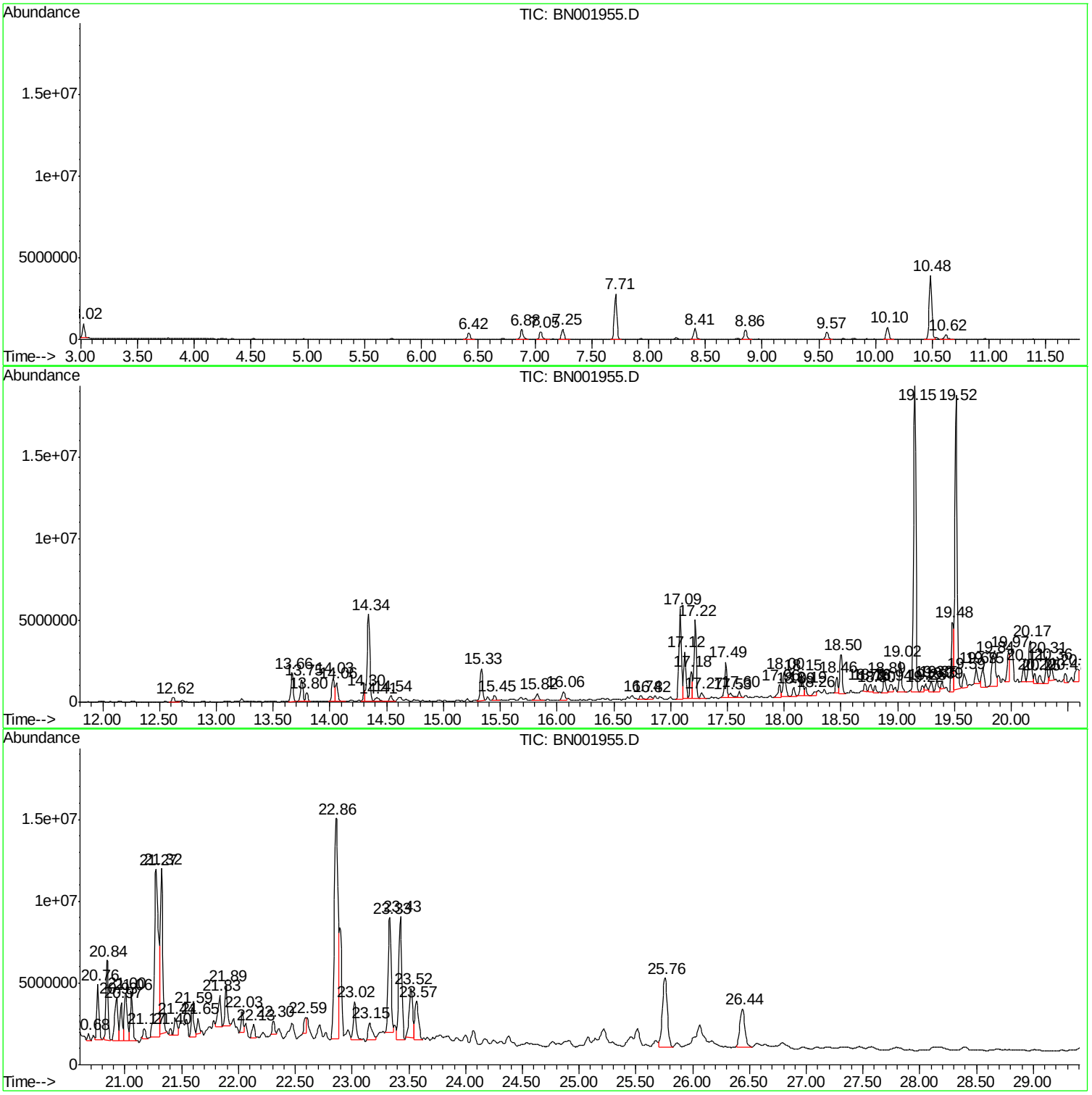
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001955.D
Acq On : 03 Jul 2018 22:00
Operator : JU/SJ
Sample : J3721-18 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H03

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\BN070318\
Data File : BN001955.D
Acq On : 03 Jul 2018 22:00
Operator : JU/SJ
Sample : J3721-18 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H03

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

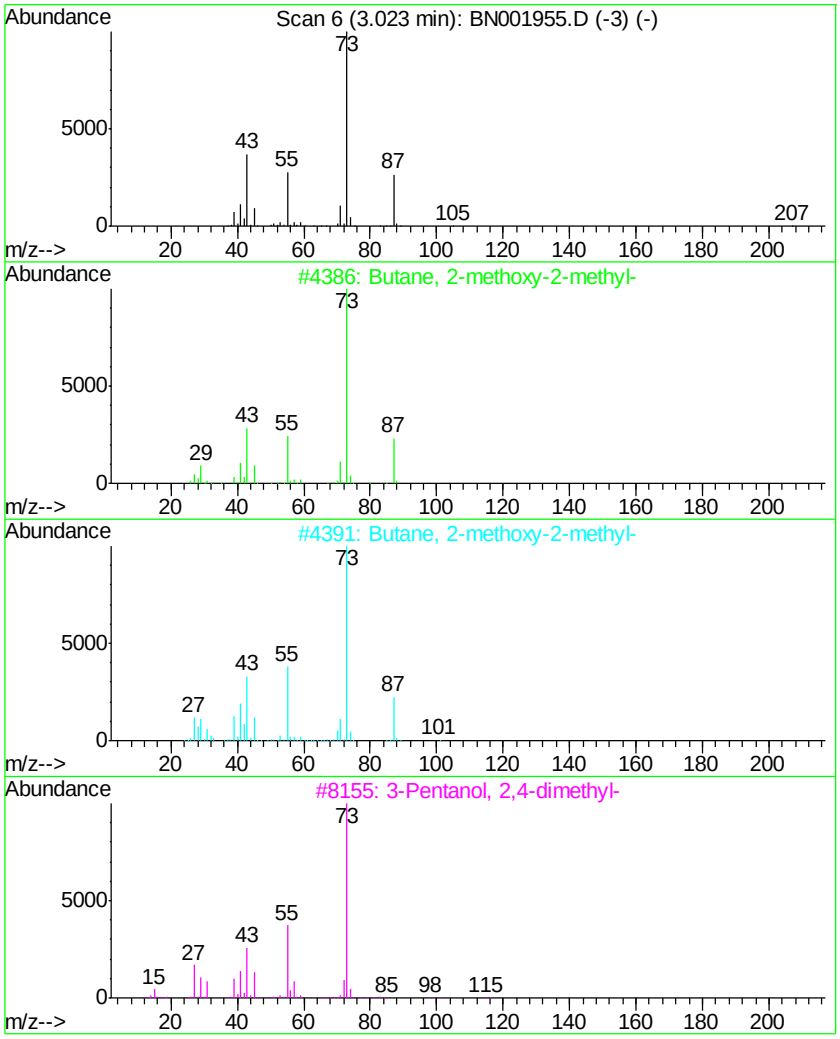
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

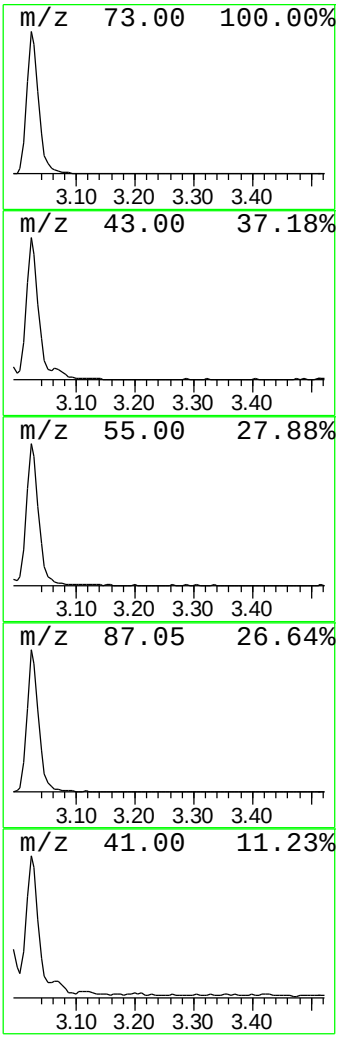
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	5.07 ng/ul	1112510	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	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	25
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001955.D
Acq On : 03 Jul 2018 22:00
Operator : JU/SJ
Sample : J3721-18 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H03

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

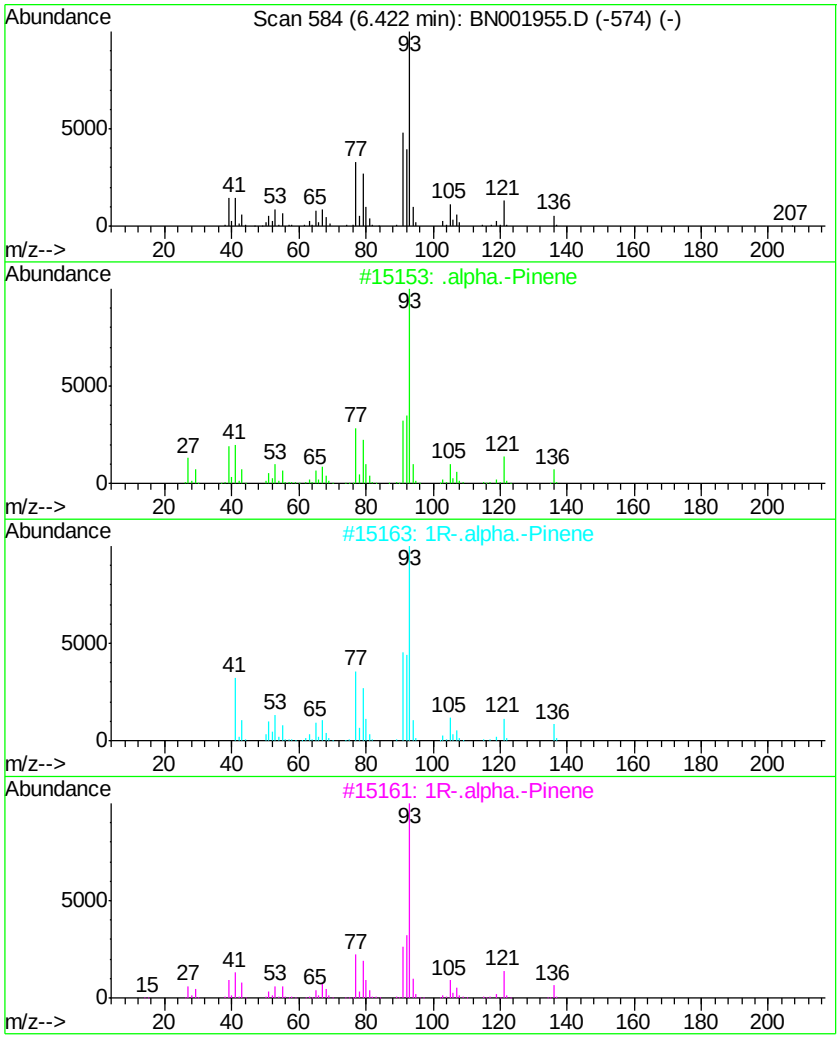
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

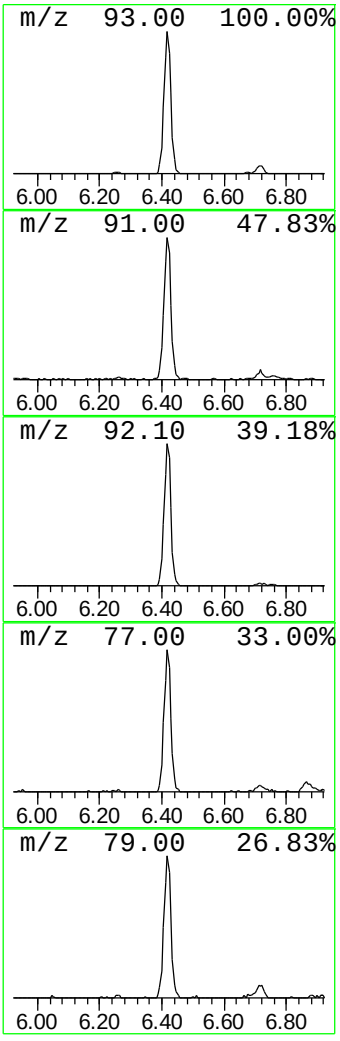
****

Peak Number 2 .alpha.-Pinene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	2.66 ng/ul	583662	1,4-Dichlorobenzene-d4	7.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	96
2	1R-.alpha.-Pinene	136	C10H16	007785-70-8	95
3	1R-.alpha.-Pinene	136	C10H16	007785-70-8	95
4	Bicyclo[3.1.1]hept-2-ene, 2,6,6-...	136	C10H16	002437-95-8	95
5	.alpha.-Pinene	136	C10H16	000080-56-8	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
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Acq On : 03 Jul 2018 22:00
Operator : JU/SJ
Sample : J3721-18 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H03

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

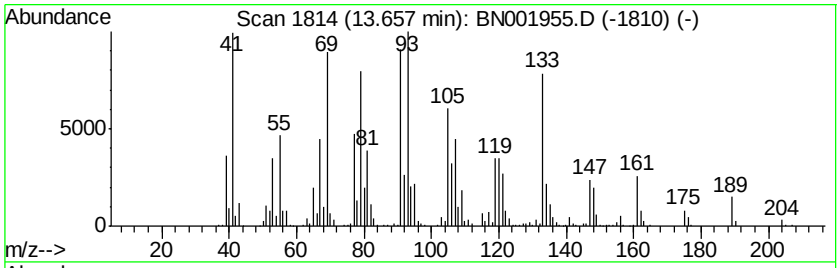
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

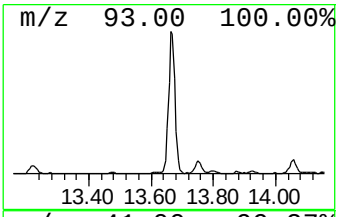
****

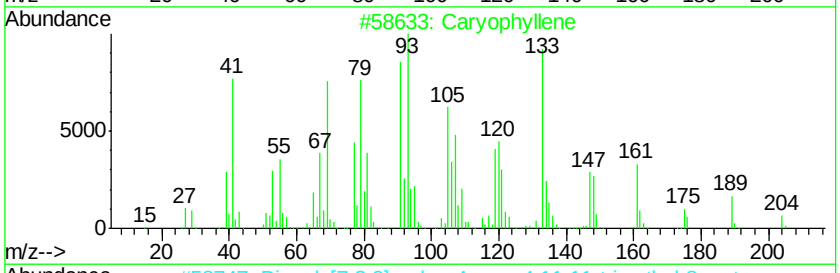
Peak Number 3 Caryophyllene Concentration Rank 6

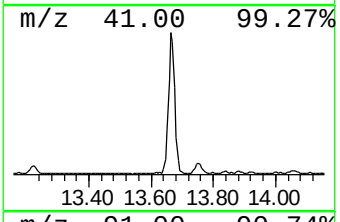
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	6.36 ng/ul	2602420	Acenaphthene-d10	14.34

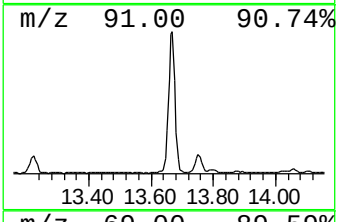
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Caryophyllene	204	C15H24	000087-44-5	94
2	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	013877-93-5	93
3	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	000118-65-0	91
4	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	013877-93-5	91
5	Caryophyllene	204	C15H24	000087-44-5	90

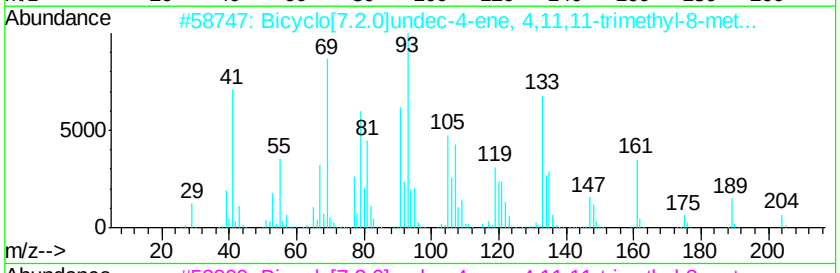


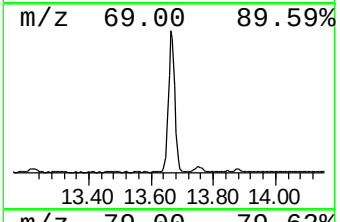


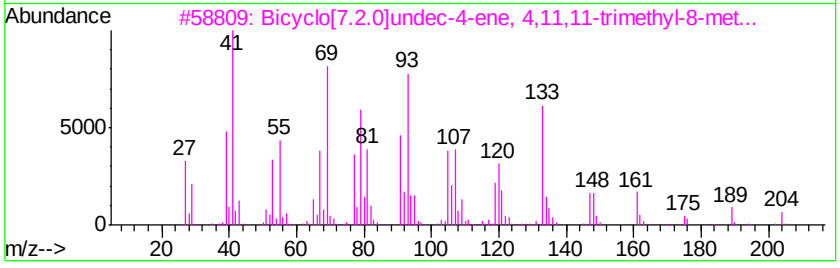


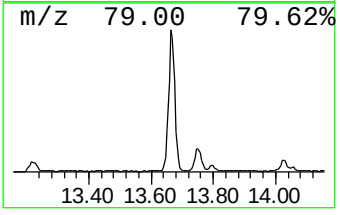












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Misc :
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Instrument : BNA_N
ClientSampleId : F1H03

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

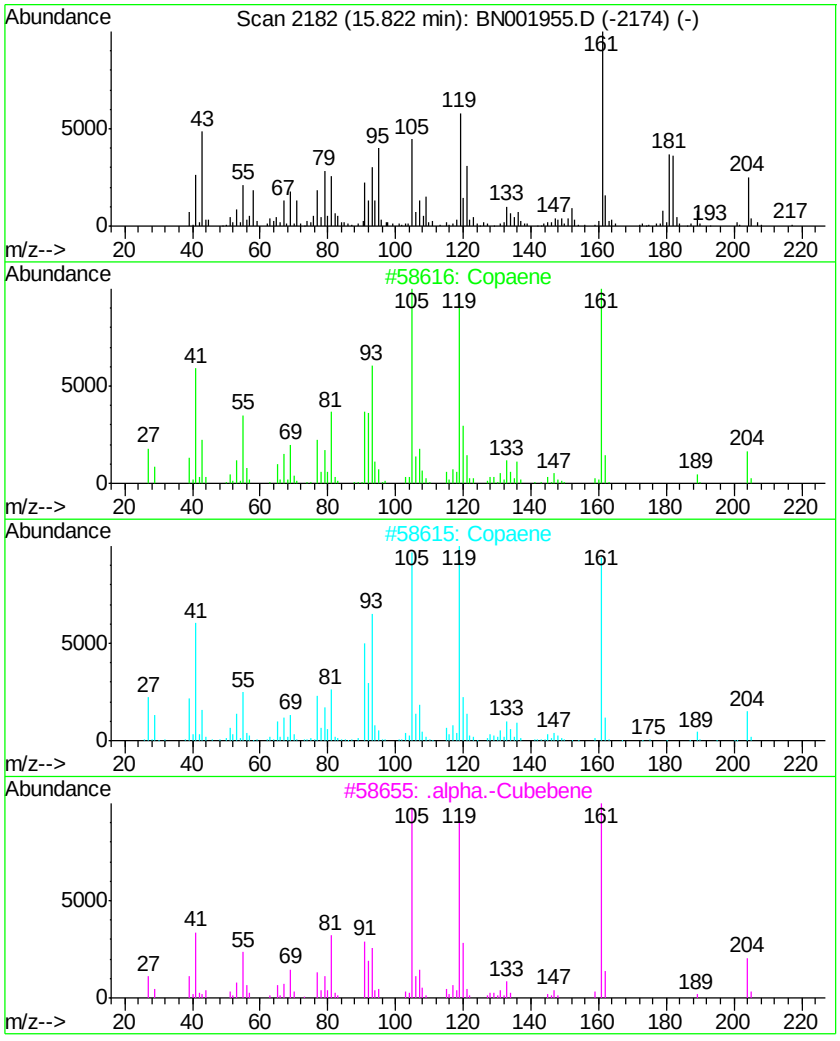
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

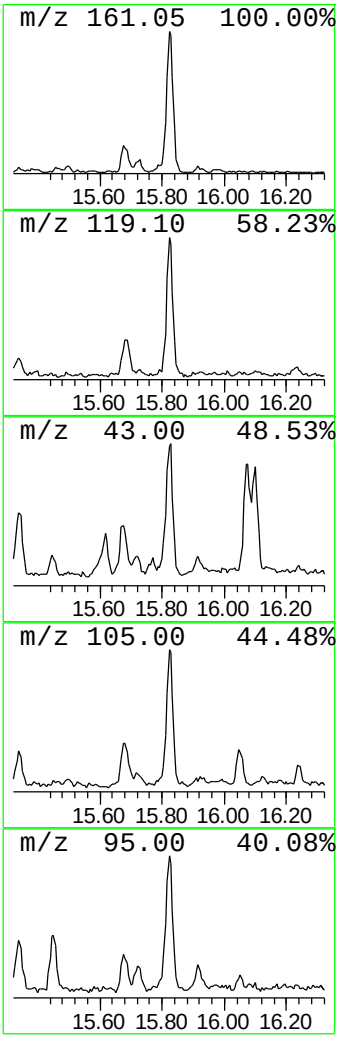
****

Peak Number 4 Copaene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	2.17 ng/ul	896746	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Copaene	204	C15H24	003856-25-5	96
2	Copaene	204	C15H24	003856-25-5	93
3	.alpha.-Cubebene	204	C15H24	017699-14-8	83
4	Copaene	204	C15H24	003856-25-5	83
5	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	030021-74-0	78





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Sample : J3721-18 5X
Misc :
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ClientSampleId : F1H03

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Quant Title : SVOA CALIBRATION

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

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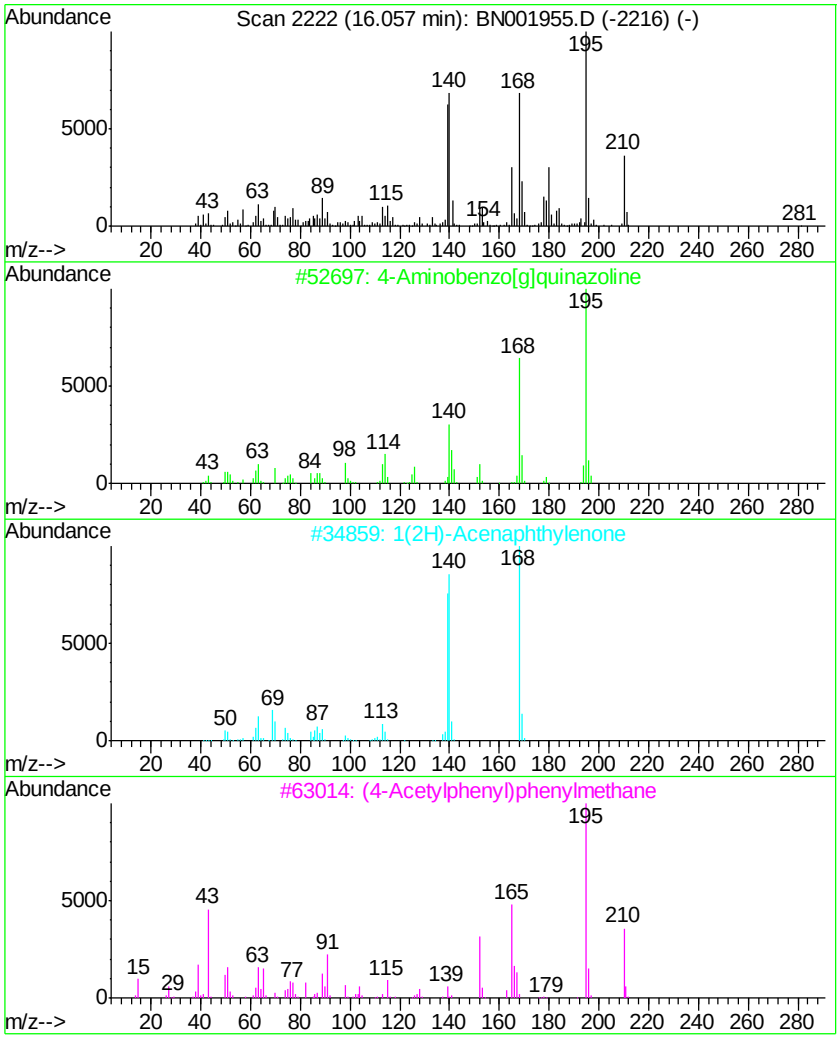
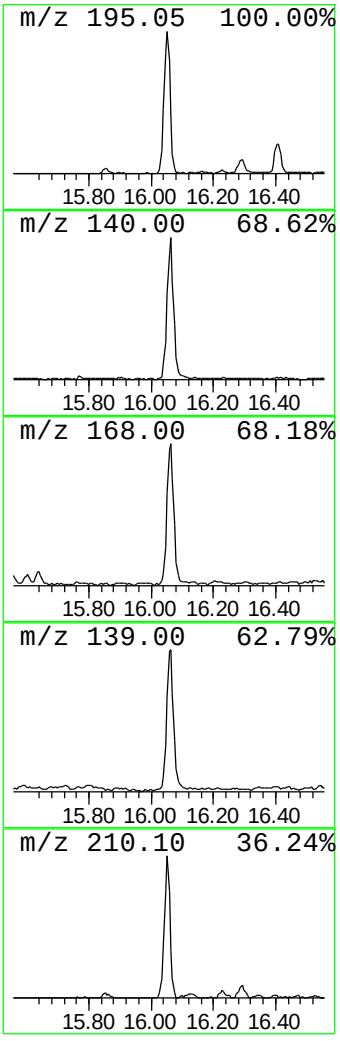
Peak Number 5 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	2.68 ng/ul	1105210	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Aminobenzo[g]quinazoline	195	C12H9N3	033987-04-1	45
2	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	42
3	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	35
4	9-Anthracenamine, 9,10-dihydro-	195	C14H13N	097825-91-7	30
5	1,1'-Biphenyl, 2,2',5,5'-tetrame...	210	C16H18	003075-84-1	25





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Sample : J3721-18 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H03

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Quant Title : SVOA CALIBRATION

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

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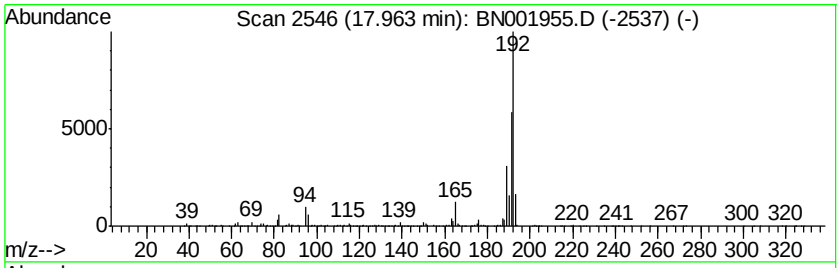
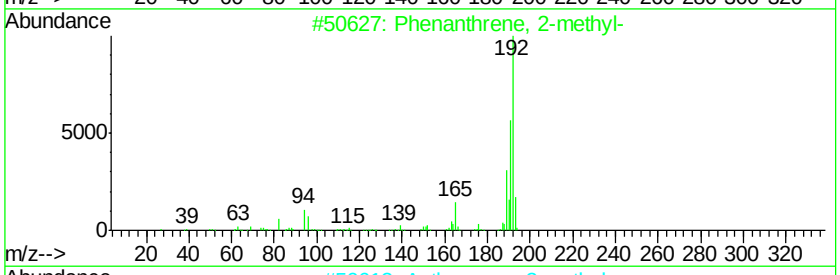
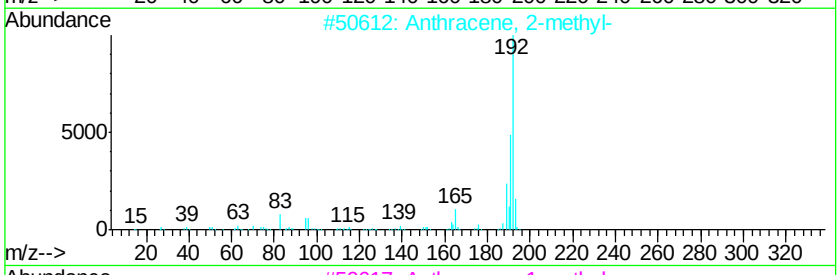
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 18

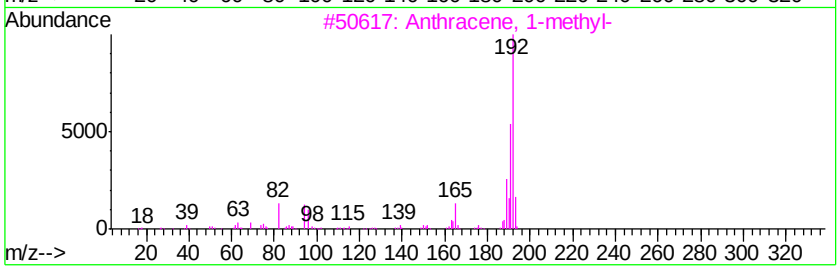
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	3.22 ng/ul	1329260	Phenanthrene-d10	17.09

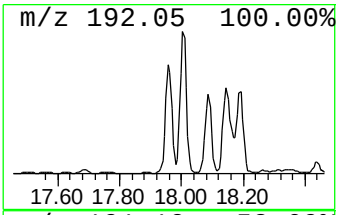
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93

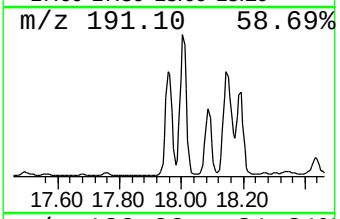


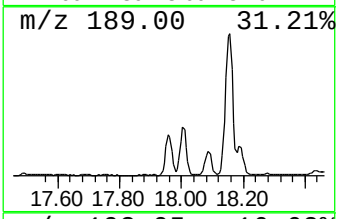


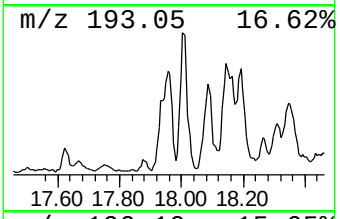


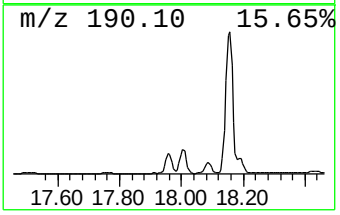












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Acq On : 03 Jul 2018 22:00
Operator : JU/SJ
Sample : J3721-18 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H03

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Quant Title : SVOA CALIBRATION

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

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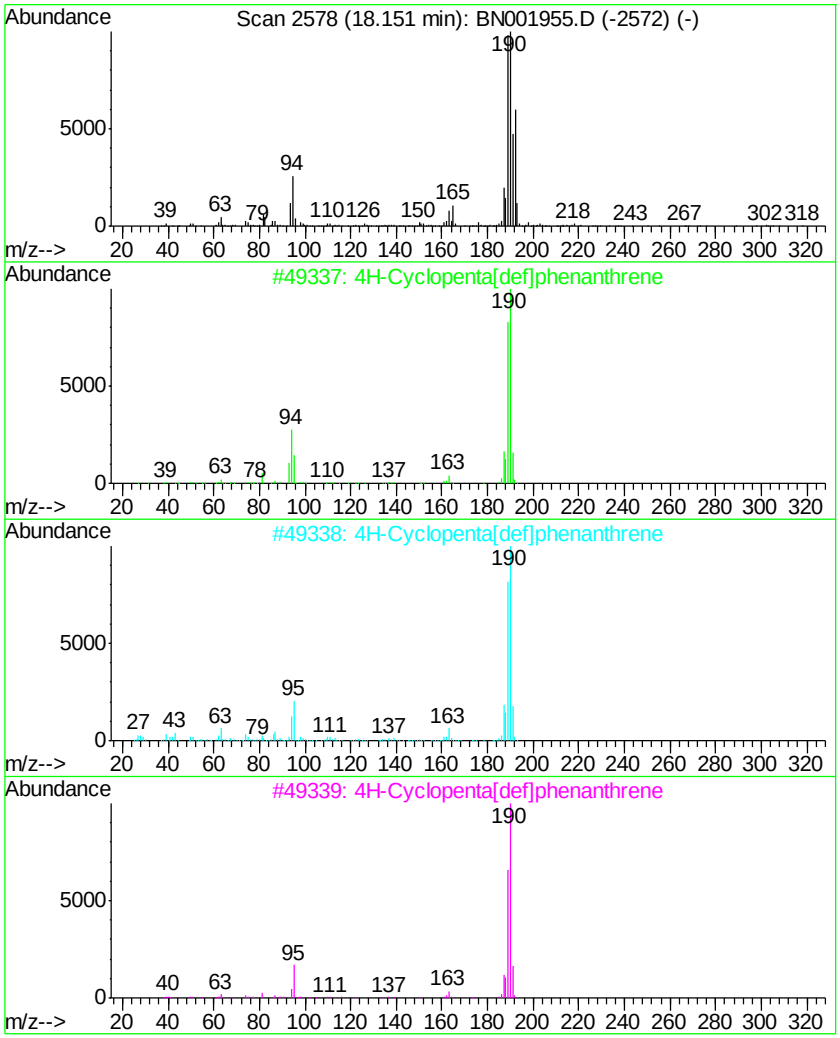
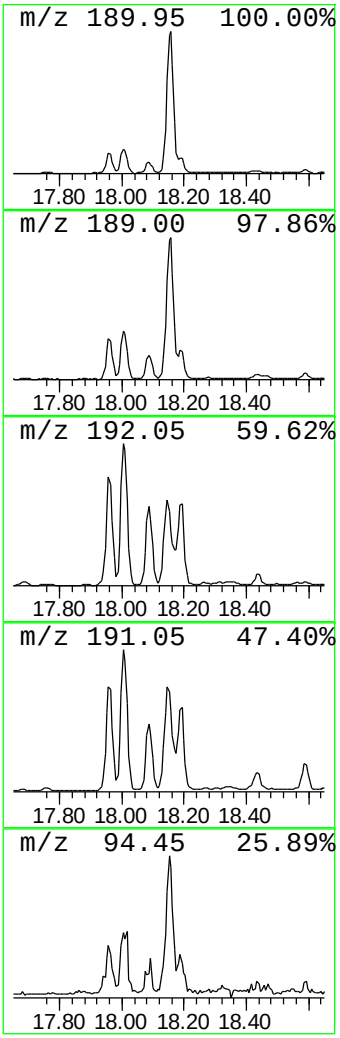
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	5.63 ng/ul	2322310	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	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
4	Methyl diselenide	190	C2H6Se2	007101-31-7	38
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25





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Instrument : BNA_N
ClientSampleId : F1H03

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Quant Title : SVOA CALIBRATION

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

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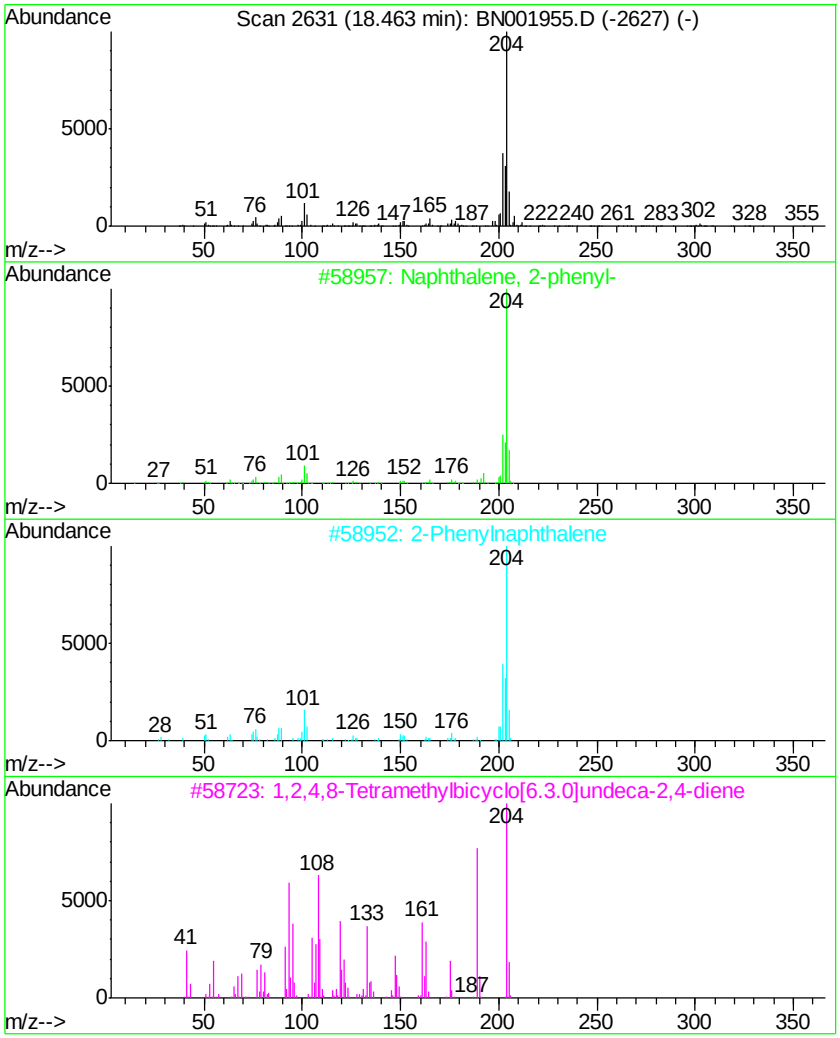
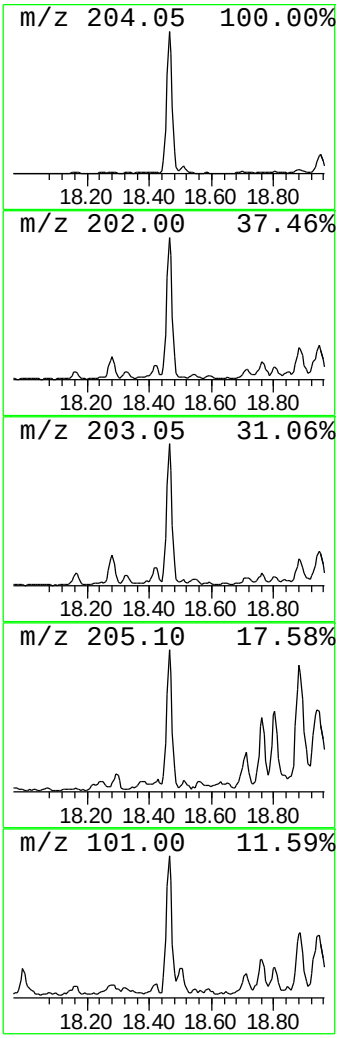
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	3.16 ng/ul	1302360	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	89
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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ClientSampleId : F1H03

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Quant Title : SVOA CALIBRATION

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

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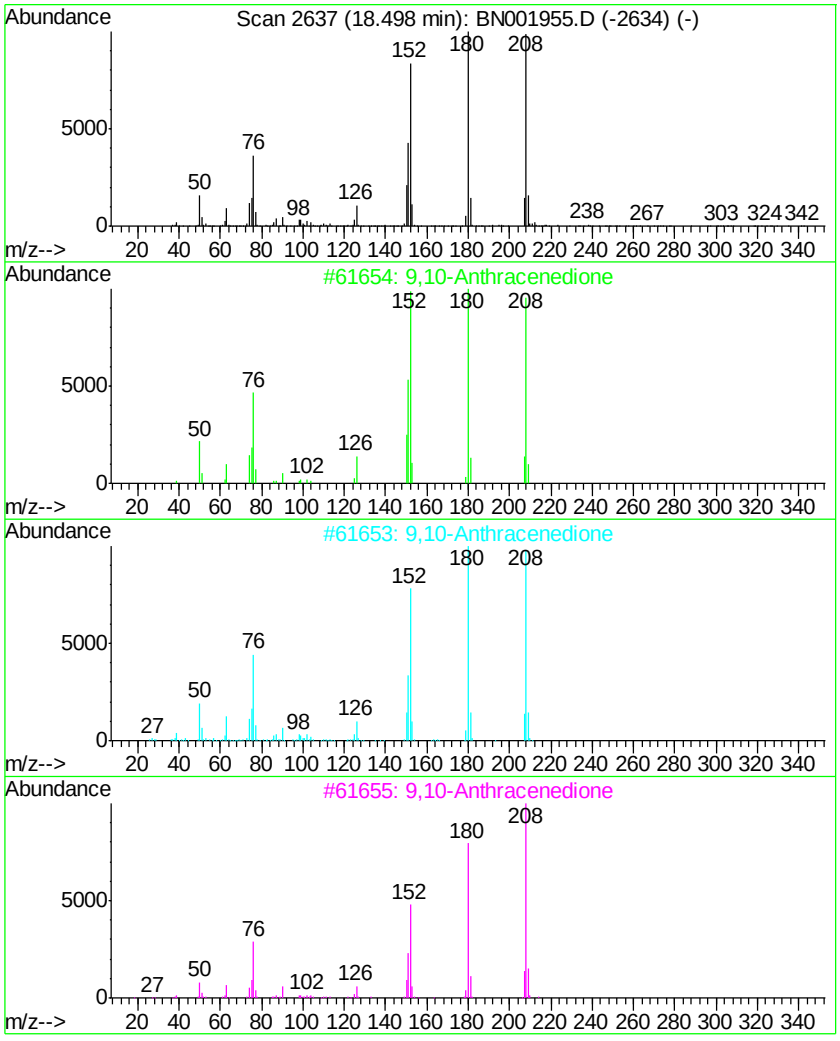
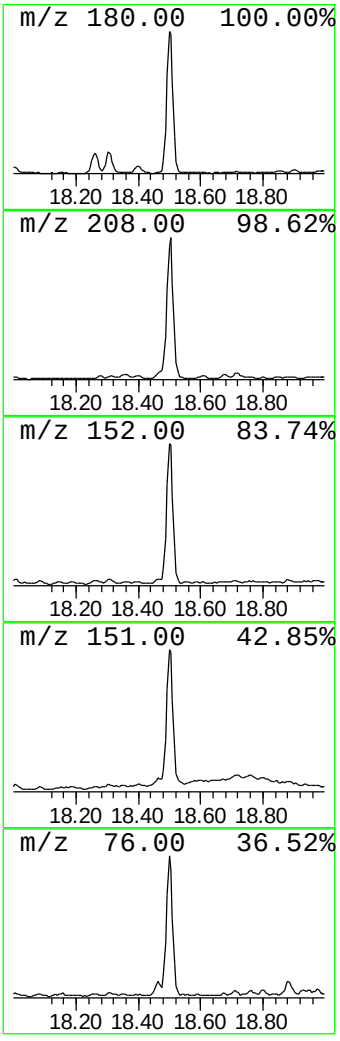
Peak Number 11 9,10-Anthracenedione Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	8.21 ng/ul	3389630	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	95
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





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Quant Title : SVOA CALIBRATION

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

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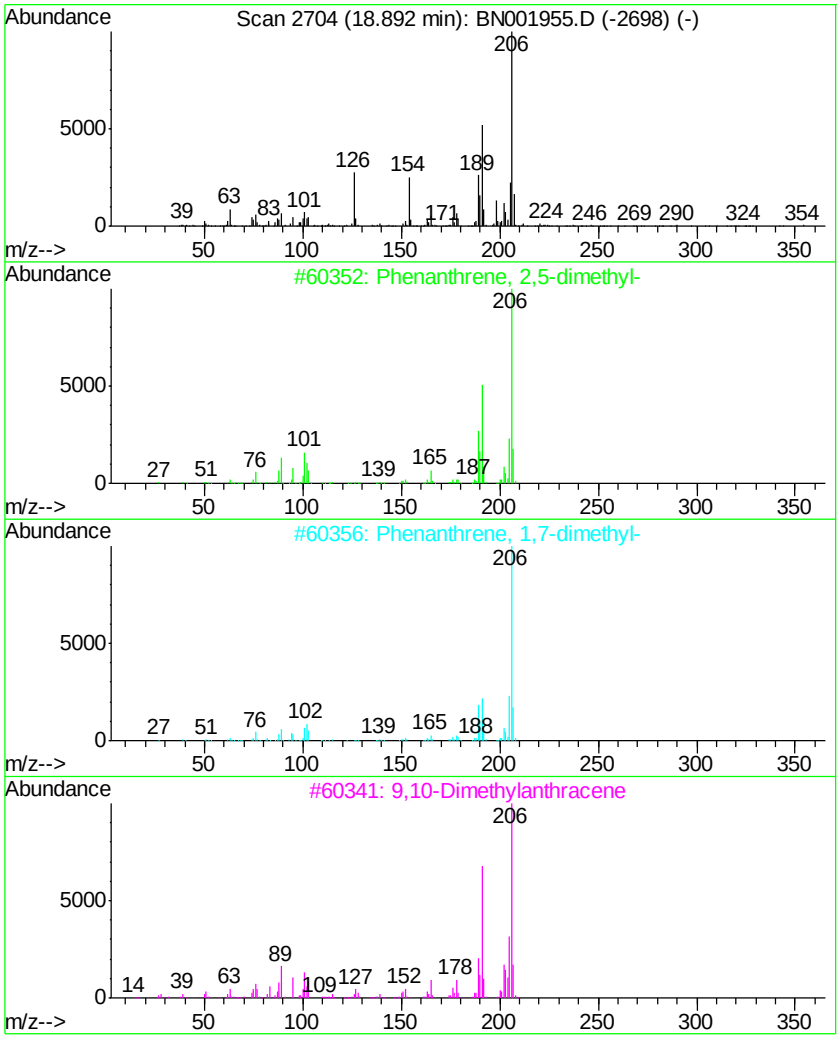
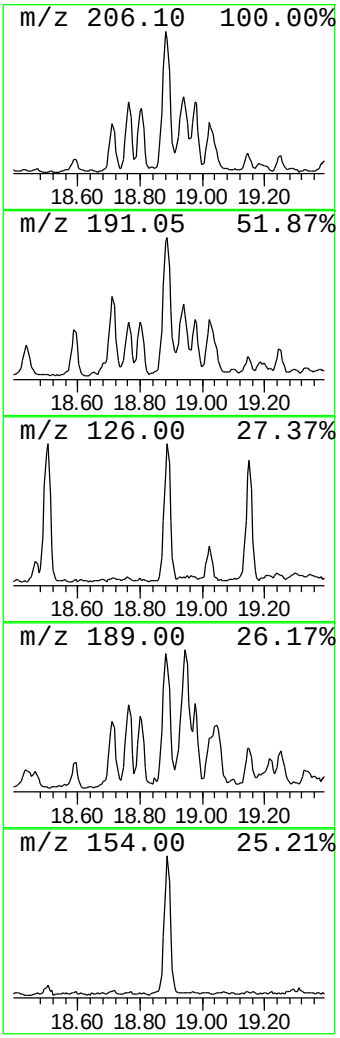
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	3.43 ng/ul	1417110	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	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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Quant Title : SVOA CALIBRATION

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

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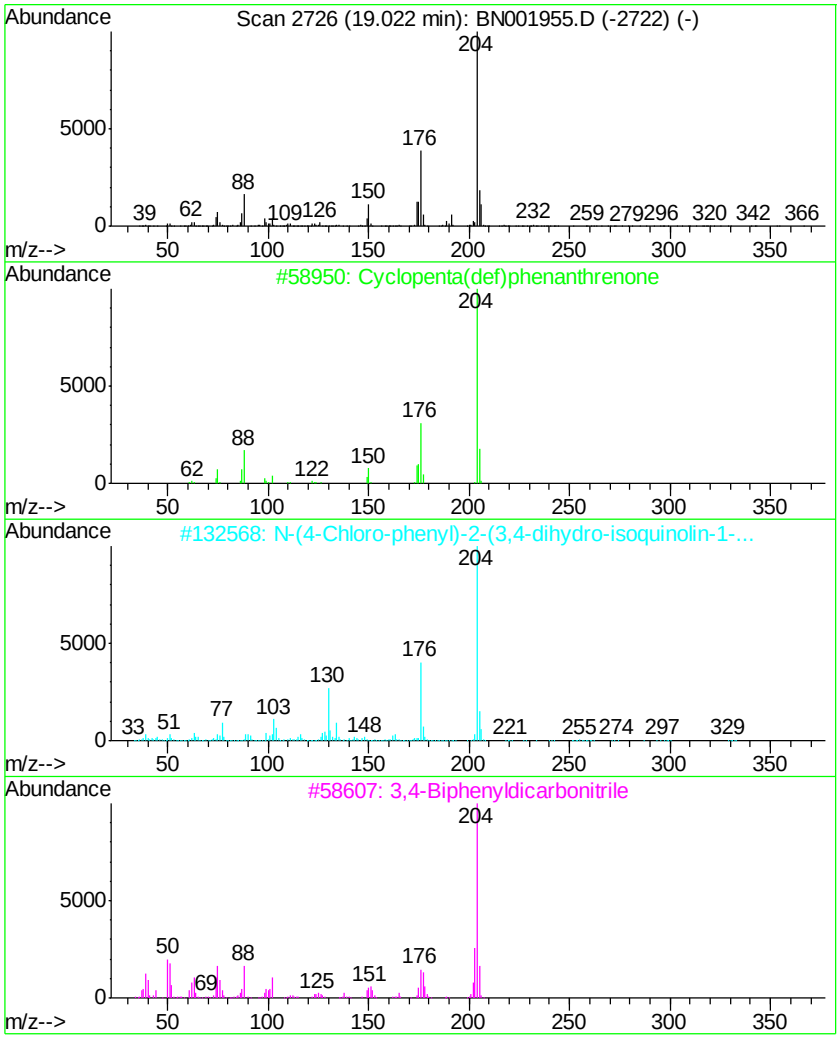
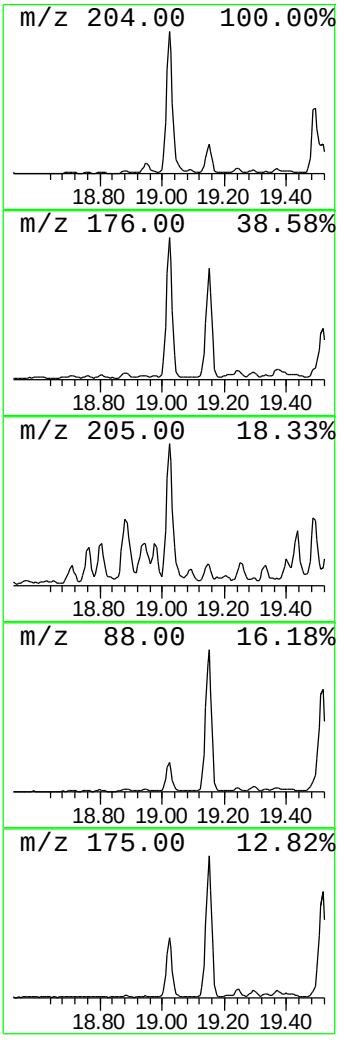
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	6.79 ng/ul	2800040	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	59
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	42





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Misc :
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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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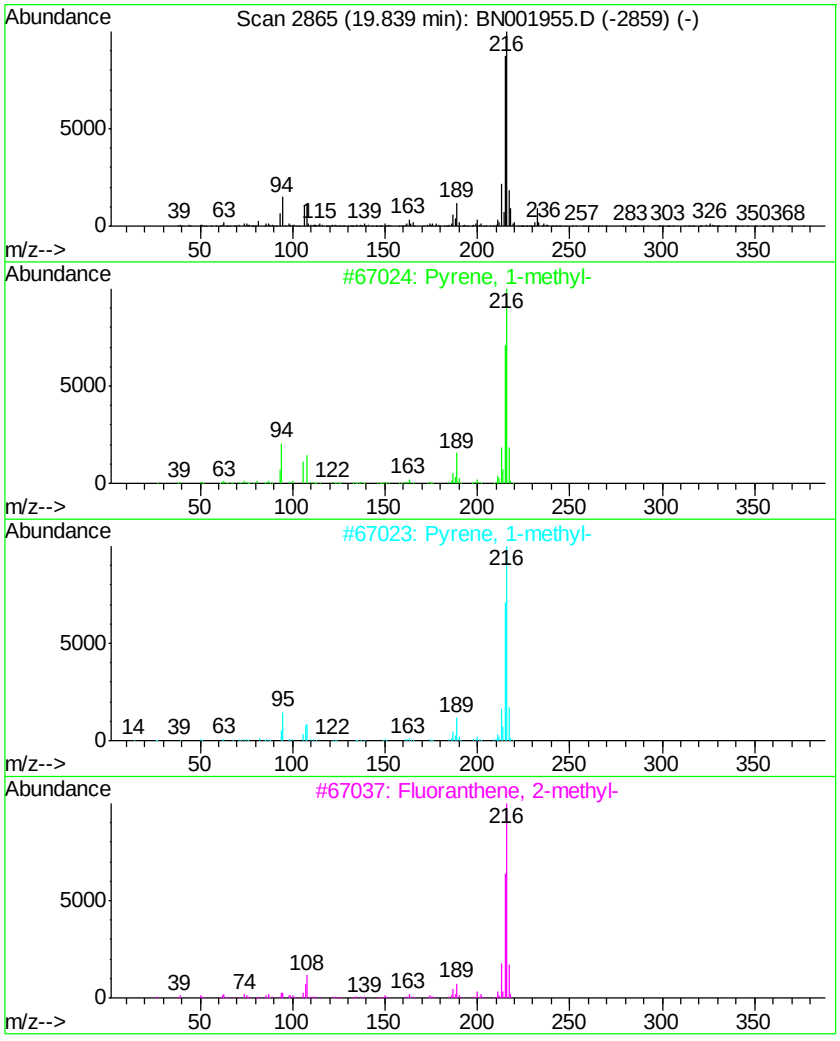
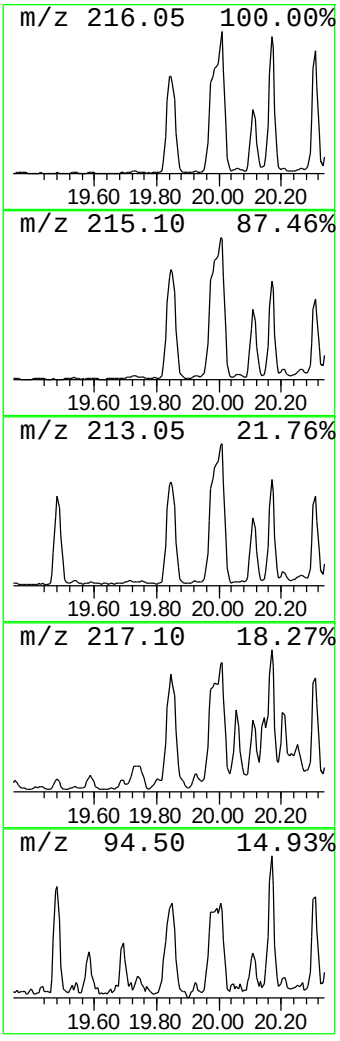
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	3.76 ng/ul	4667540	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





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ClientSampleId : F1H03

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Quant Title : SVOA CALIBRATION

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

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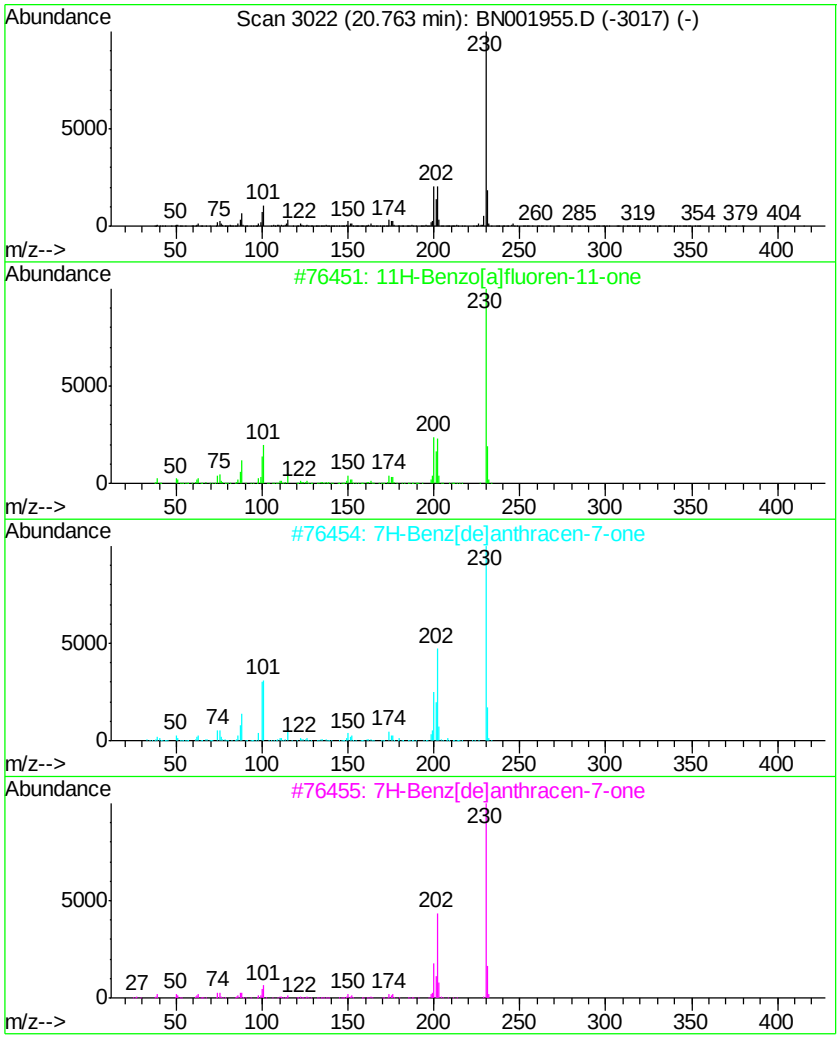
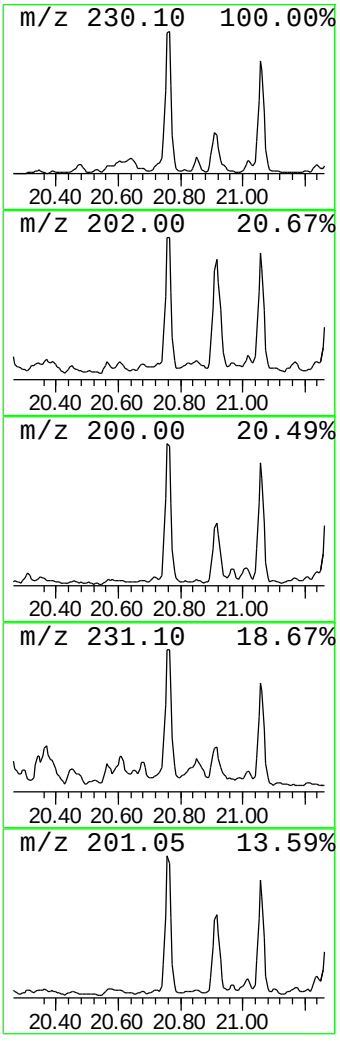
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	3.79 ng/ul	4710000	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	93
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	89
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
5	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	72





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Quant Title : SVOA CALIBRATION

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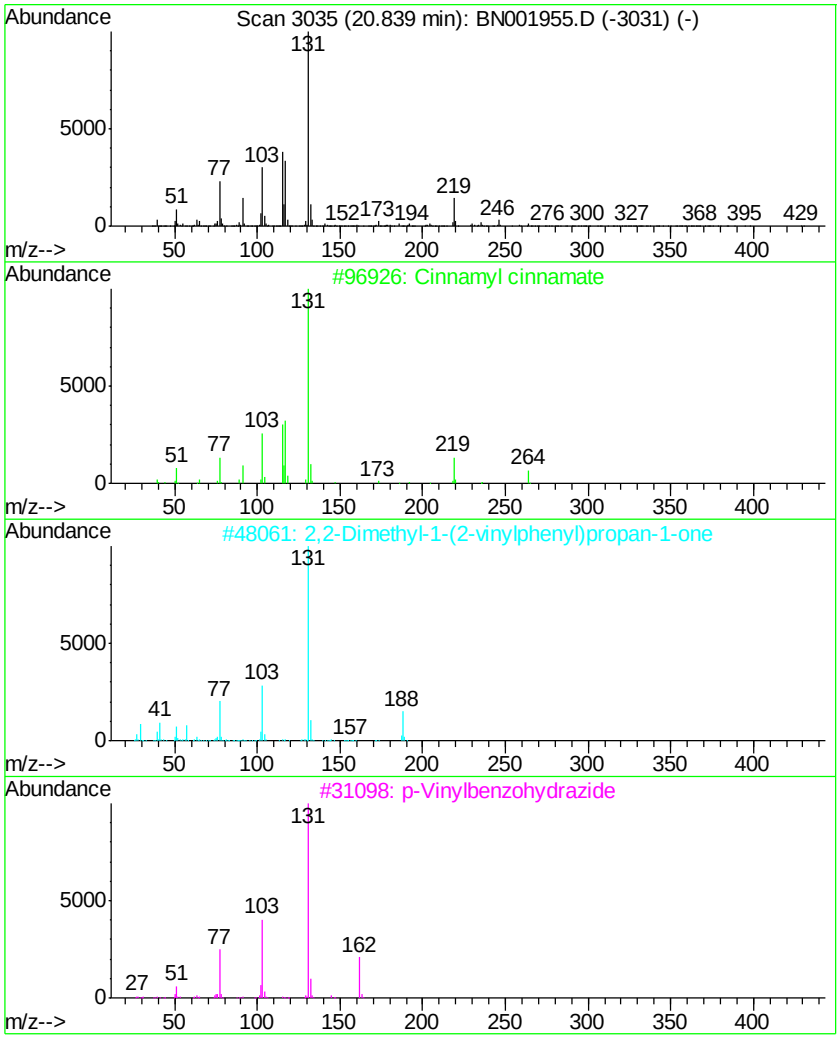
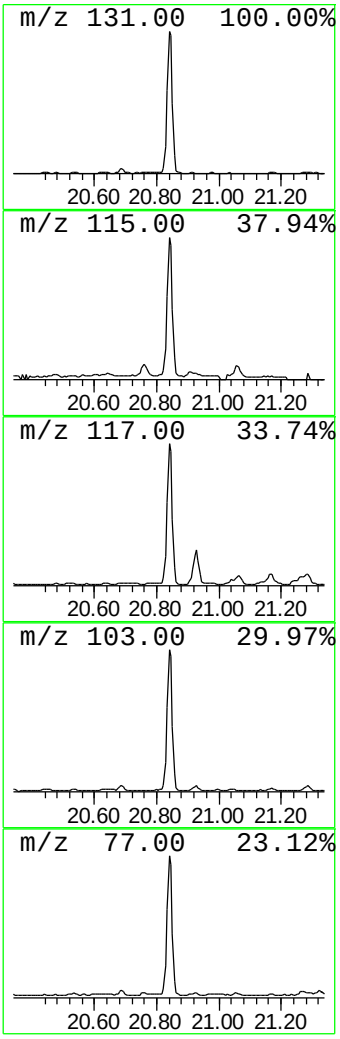
Peak Number 17 Cinnamyl cinnamate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	5.20 ng/ul	6464200	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnamyl cinnamate	264	C18H16O2	000122-69-0	87
2	2,2-Dimethyl-1-(2-vinylphenyl)pr...	188	C13H16O	1000210-99-9	52
3	p-Vinylbenzohydrazide	162	C9H10N2O	1000244-74-9	50
4	2-Iodo-benzoic acid N'-(3-phenyl...	392	C16H13IN2O2	315672-62-9	50
5	N-(p-Vinylbenzoyl)-l-alanine	219	C12H13NO3	139184-60-4	50





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Data File : BN001955.D
Acq On : 03 Jul 2018 22:00
Operator : JU/SJ
Sample : J3721-18 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H03

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

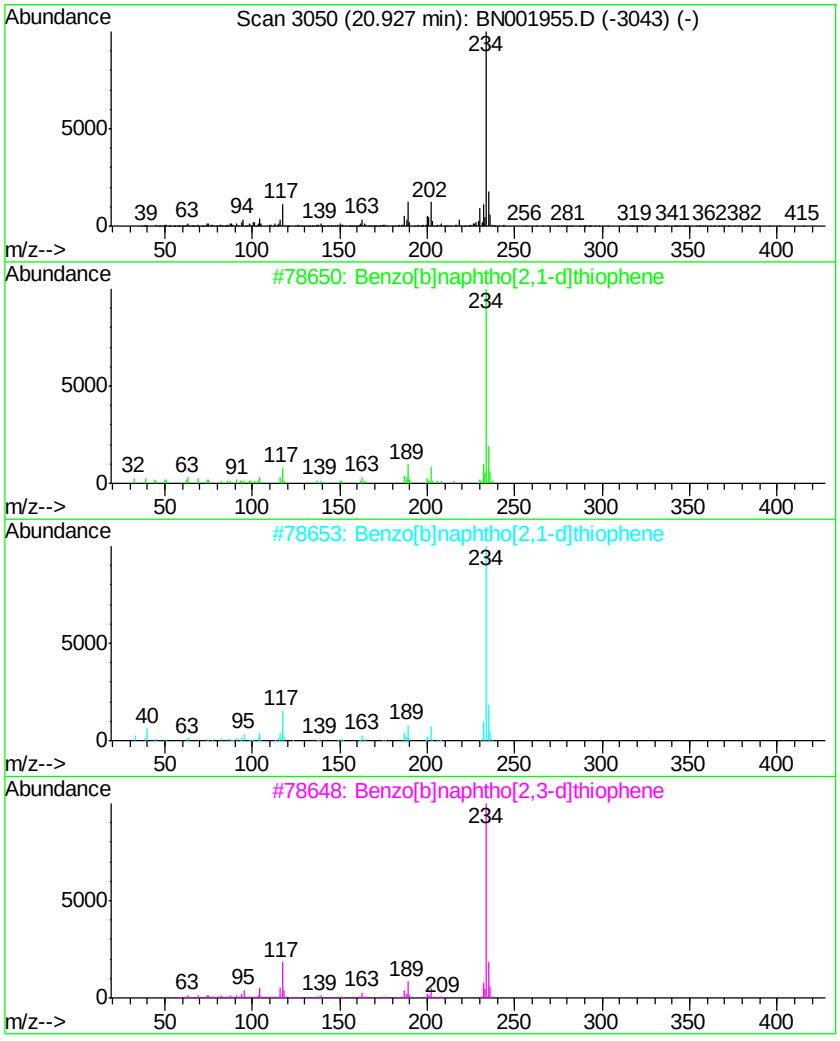
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

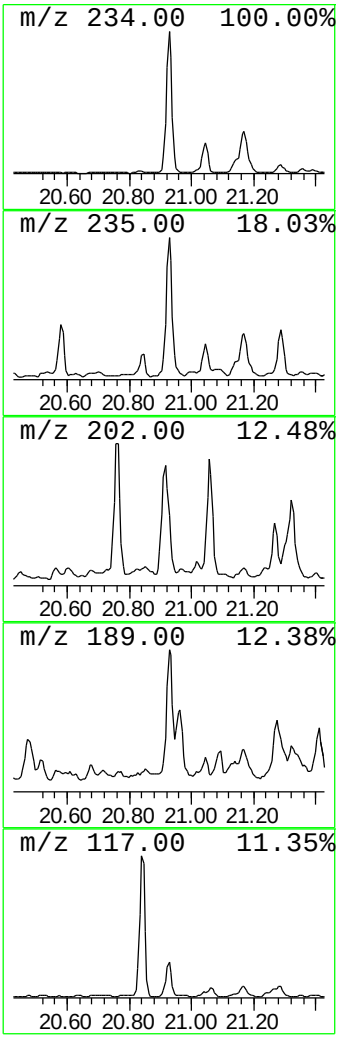
****

Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	4.22 ng/ul	5237530	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90





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Operator : JU/SJ
Sample : J3721-18 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H03

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

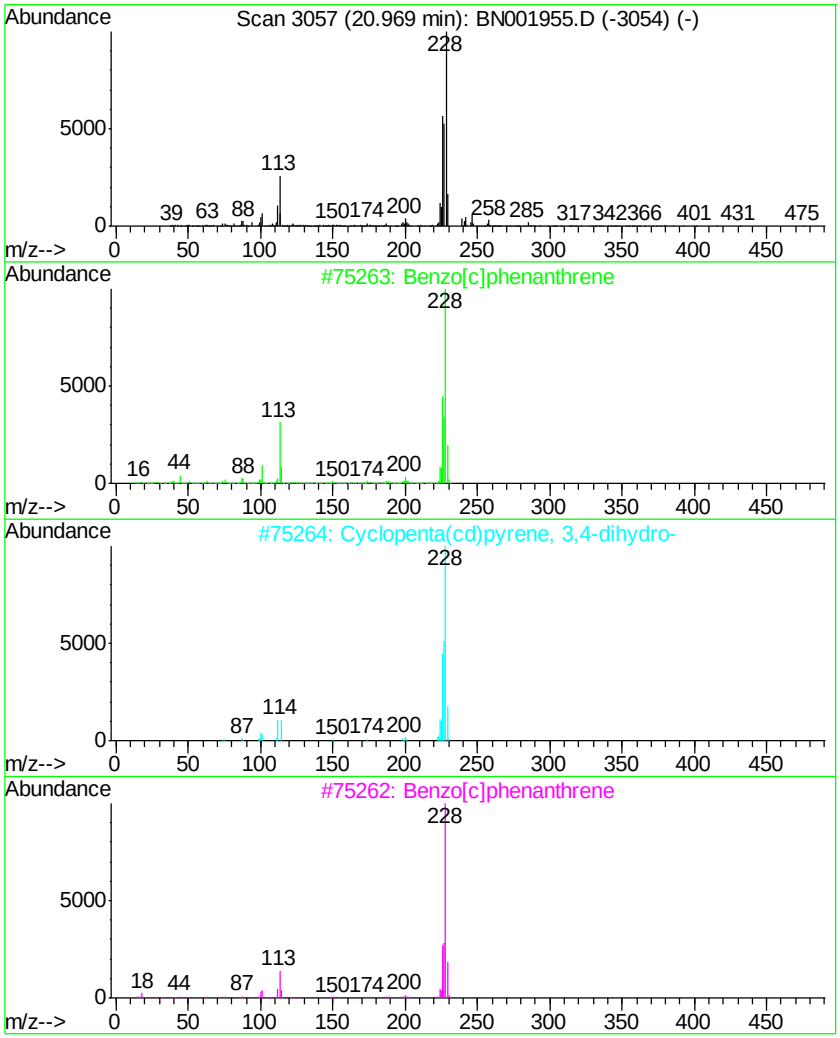
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

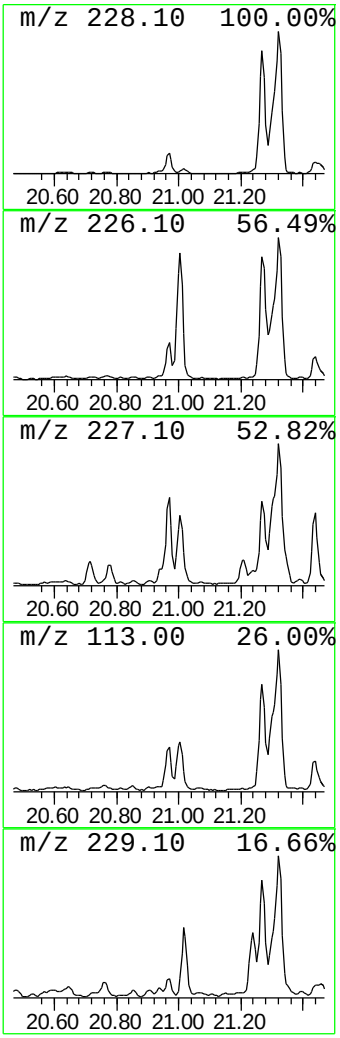
****

Peak Number 19 Benzo[c]phenanthrene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	2.50 ng/ul	3109080	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	Benzo[c]phenanthrene	228	C18H12	000195-19-7	70
4	Triphenylene	228	C18H12	000217-59-4	55
5	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50





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Acq On : 03 Jul 2018 22:00
Operator : JU/SJ
Sample : J3721-18 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H03

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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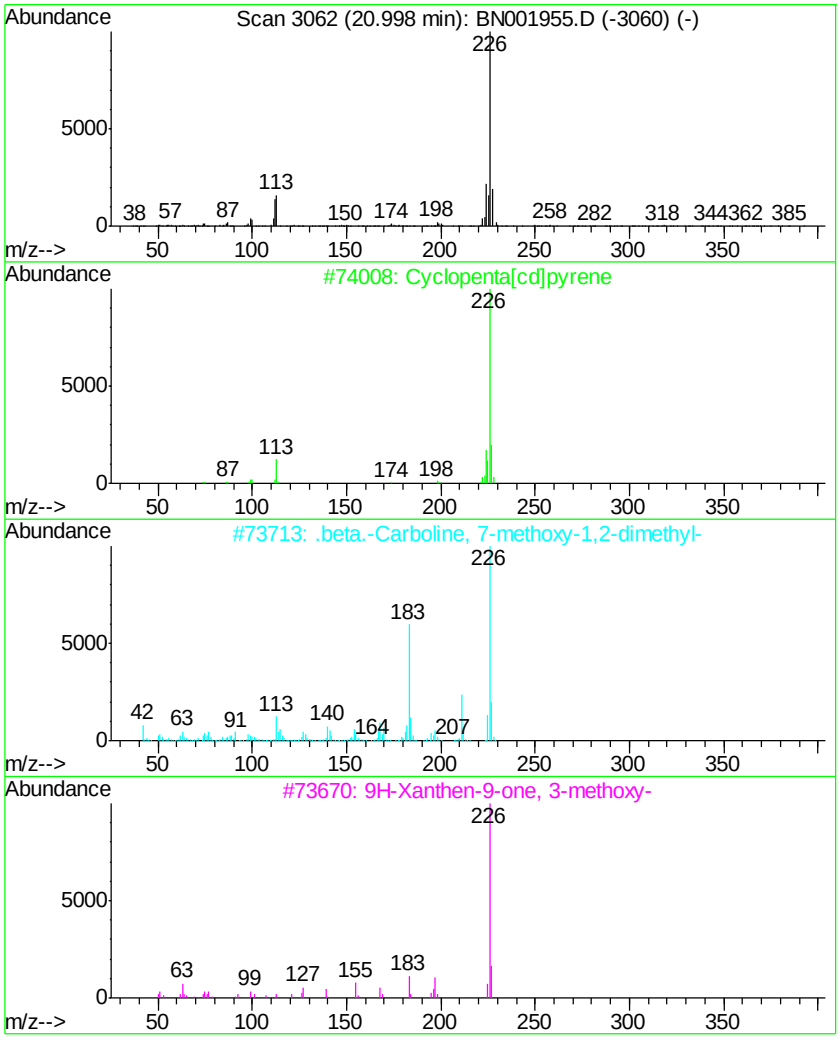
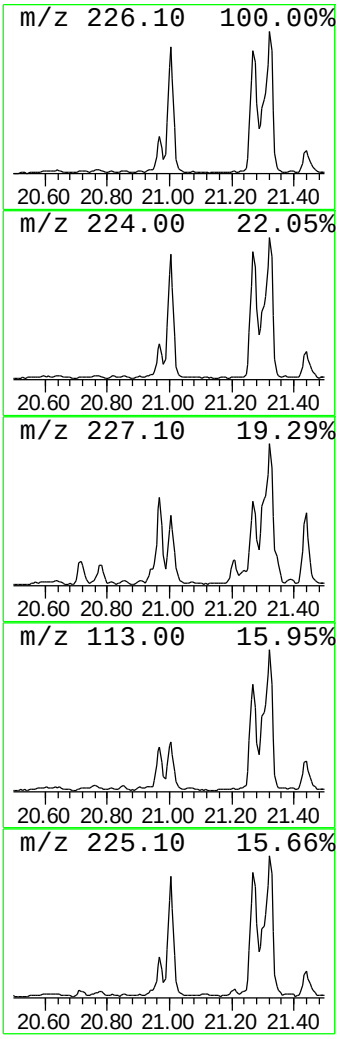
Peak Number 20 Cyclopenta[cd]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	4.10 ng/ul	5098250	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	38
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	33
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	32





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Acq On : 03 Jul 2018 22:00
Operator : JU/SJ
Sample : J3721-18 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H03

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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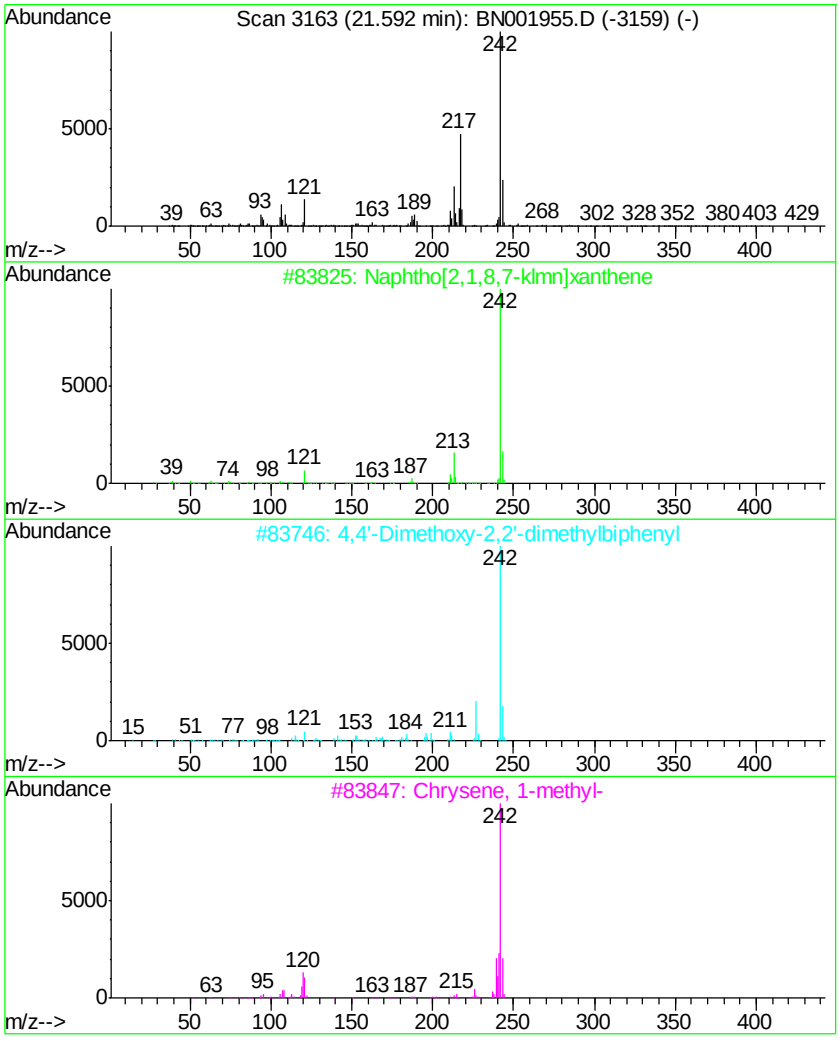
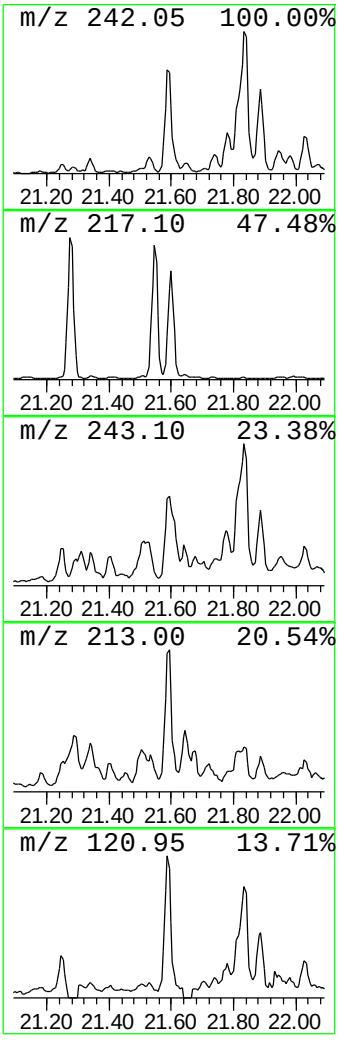
Peak Number 22 Naphtho[2,1,8,7-klmn]xanthene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.59	2.46 ng/ul	3053770	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	96
2	4,4'-Dimethoxy-2,2'-dimethylbiph...	242	C16H18O2	046873-19-2	46
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	43
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	43
5	1,4-Anthracenedione, 2,3-dihydro...	242	C14H10O4	017648-03-2	43





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Acq On : 03 Jul 2018 22:00
Operator : JU/SJ
Sample : J3721-18 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H03

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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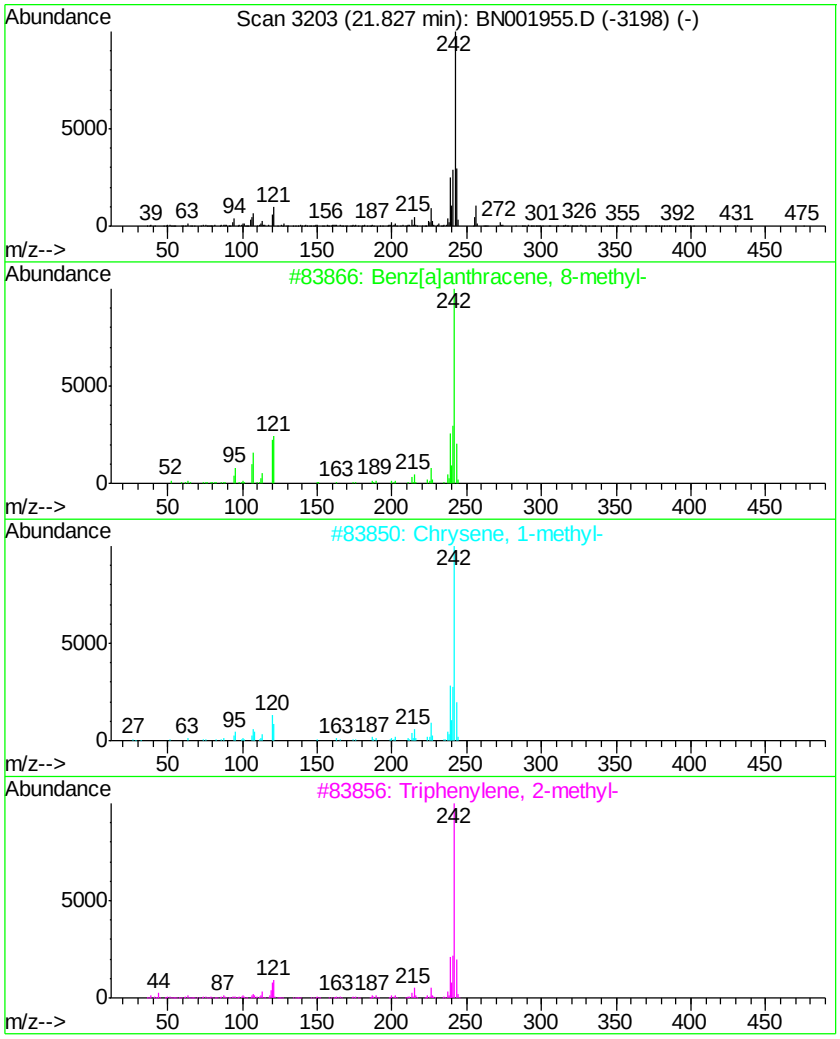
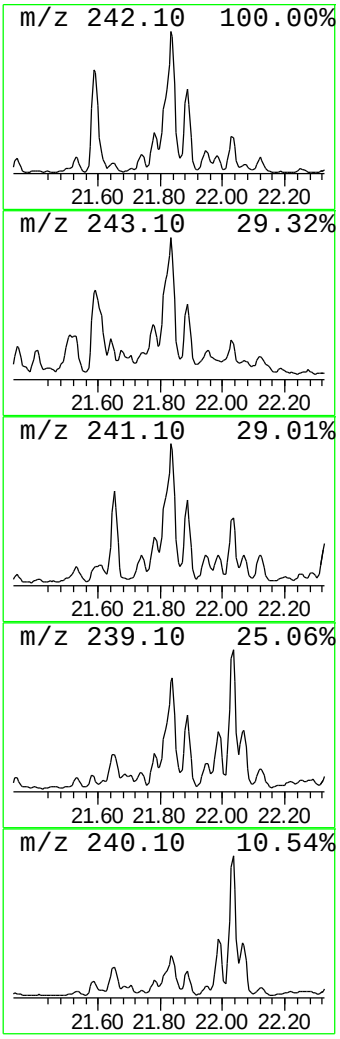
Peak Number 23 Benz[a]anthracene, 8-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	2.64 ng/ul	3278260	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	92
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001955.D
Acq On : 03 Jul 2018 22:00
Operator : JU/SJ
Sample : J3721-18 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H03

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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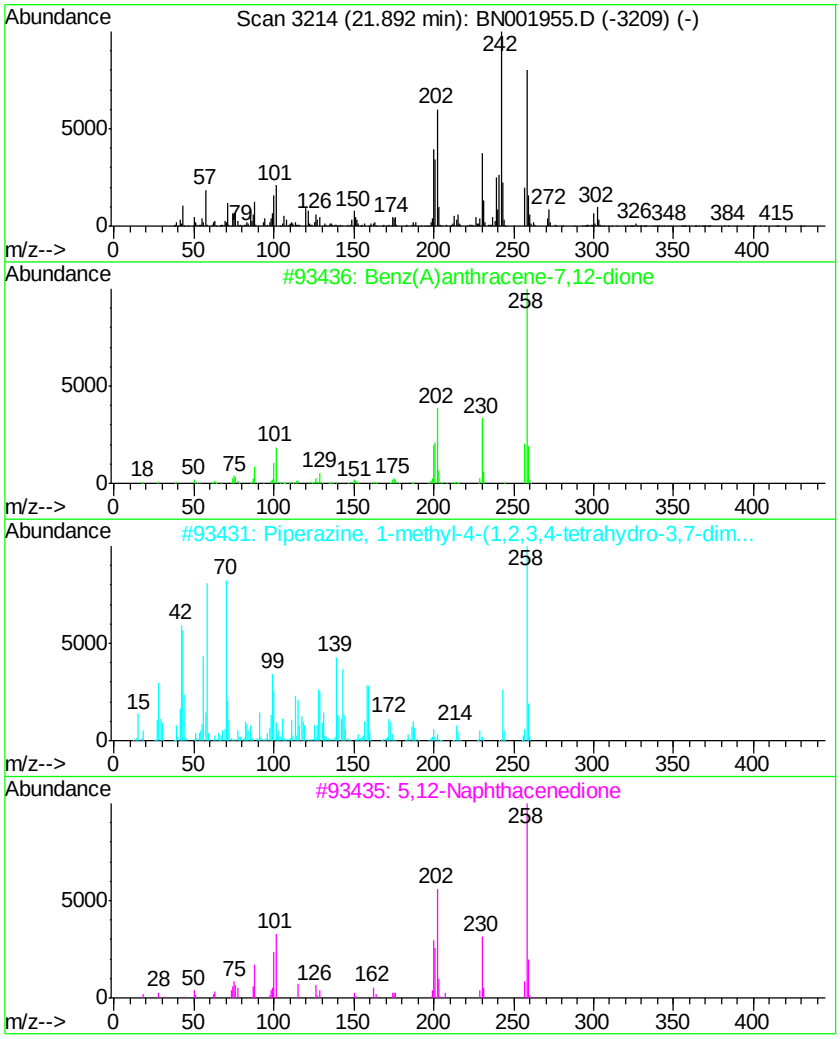
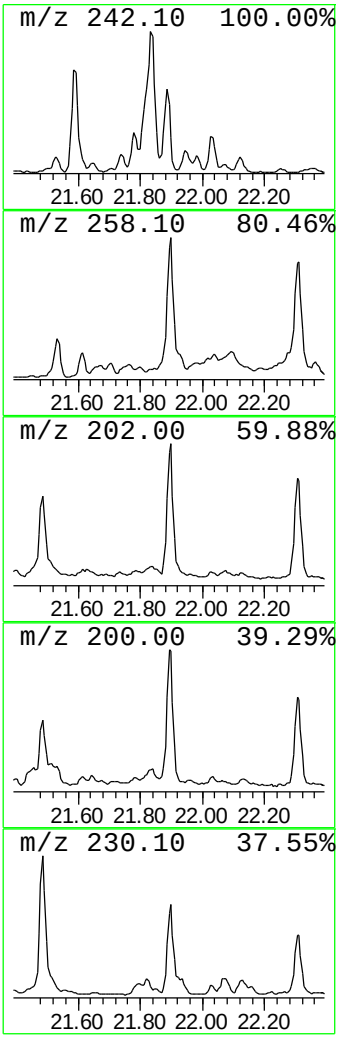
Peak Number 24 Benz(A)anthracene-7,12-dione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.89	3.01 ng/ul	3741130	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	90
2	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	90
3	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	87
4	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	70
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	60





Library Search Compound Report

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Data File : BN001955.D
Acq On : 03 Jul 2018 22:00
Operator : JU/SJ
Sample : J3721-18 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H03

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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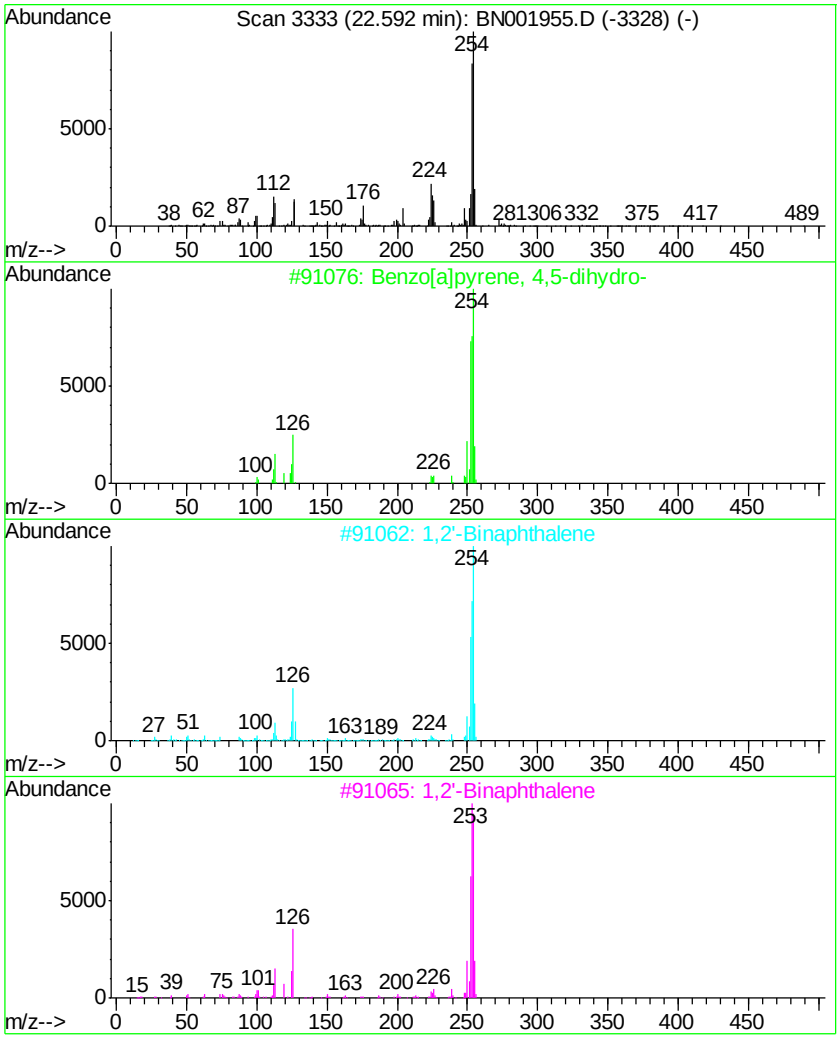
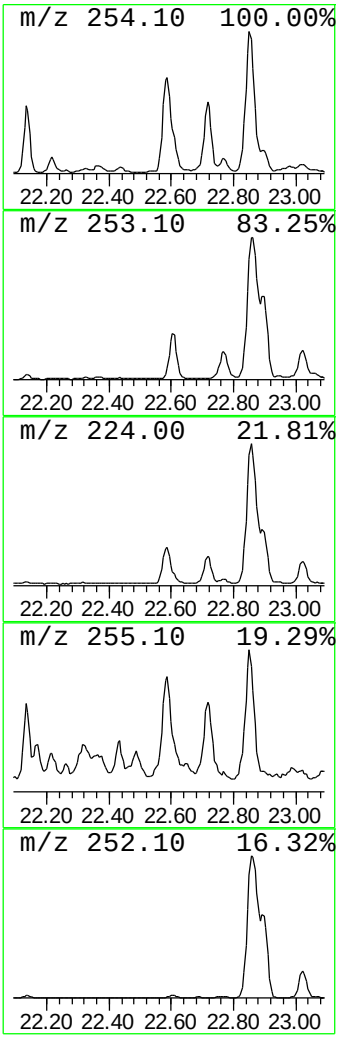
Peak Number 25 Benzo[a]pyrene, 4,5-dihydro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.59	4.81 ng/ul	1595950	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	83
2	1,2'-Binaphthalene	254	C20H14	004325-74-0	81
3	1,2'-Binaphthalene	254	C20H14	004325-74-0	74
4	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	72
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	72





Library Search Compound Report

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Acq On : 03 Jul 2018 22:00
Operator : JU/SJ
Sample : J3721-18 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H03

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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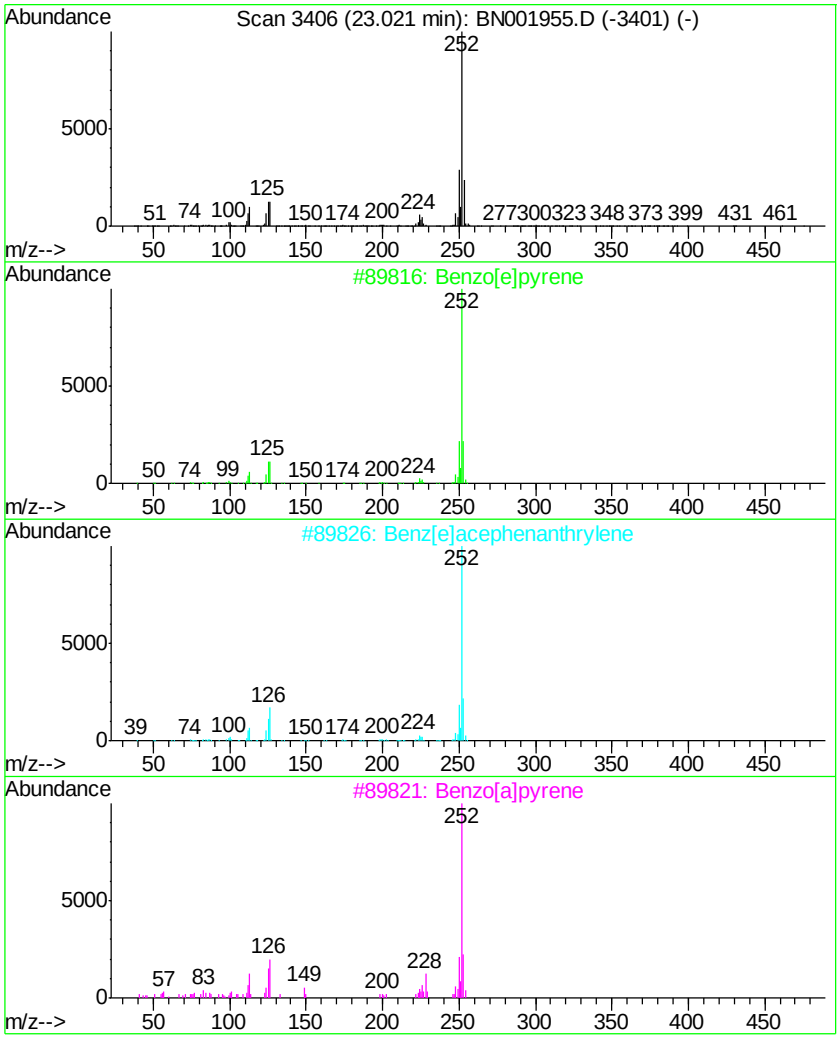
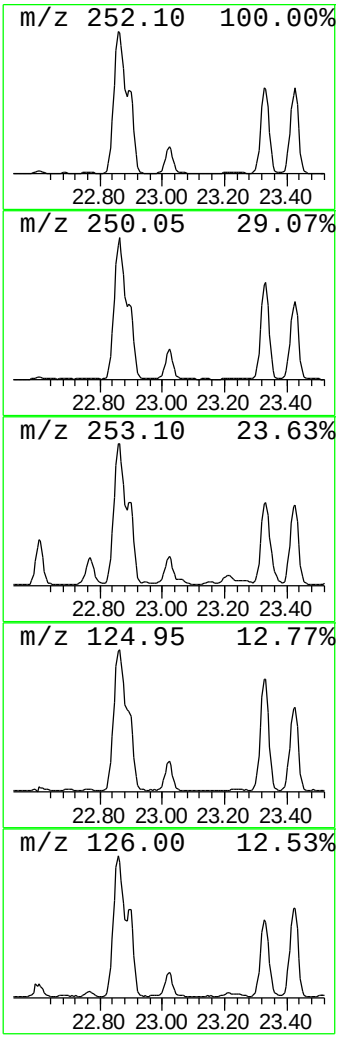
Peak Number 26 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.02	12.09 ng/ul	4010410	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Library Search Compound Report

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Operator : JU/SJ
Sample : J3721-18 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H03

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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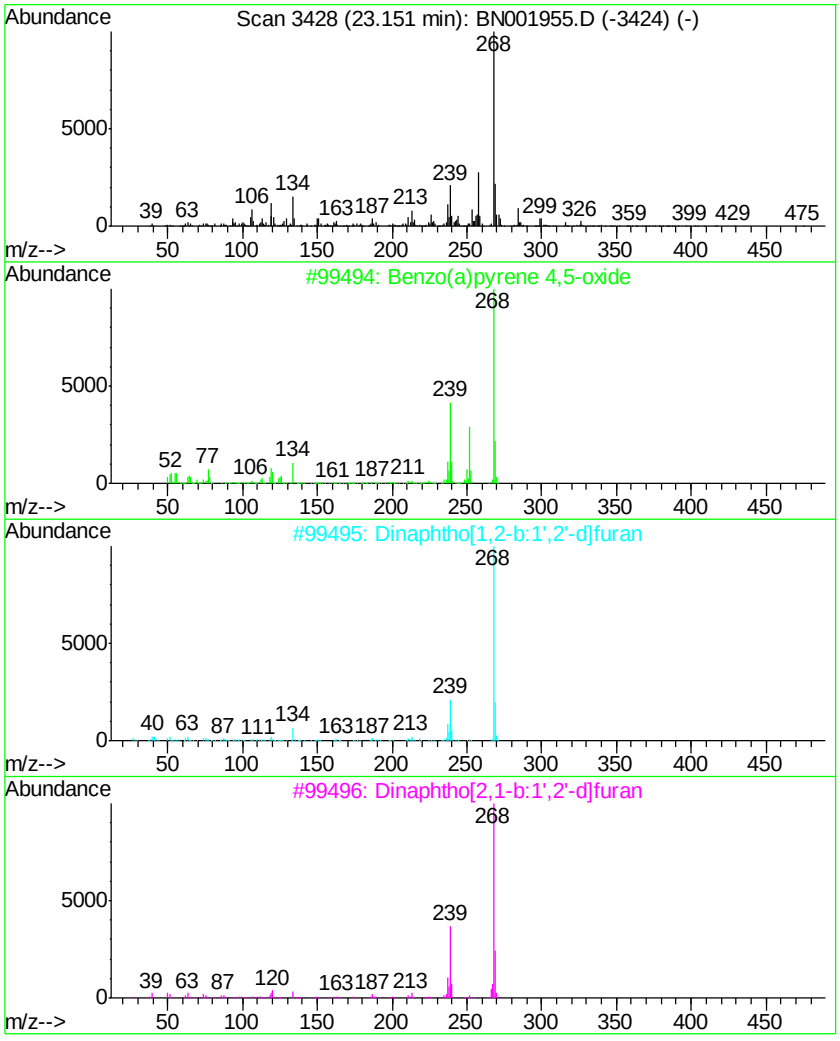
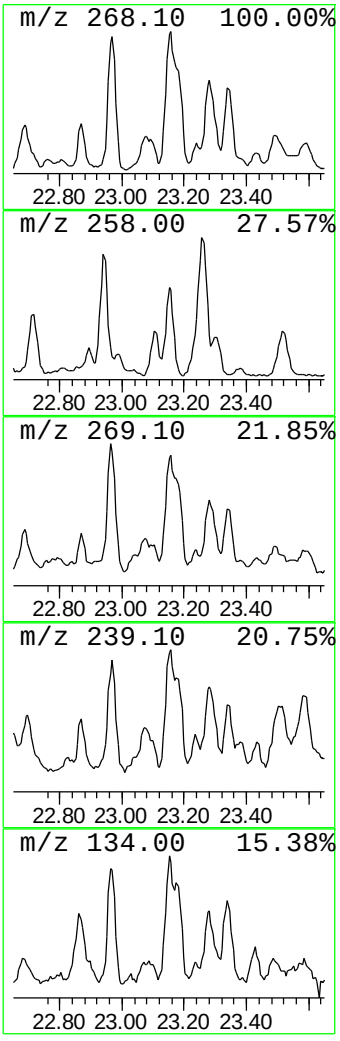
Peak Number 27 Benzo(a)pyrene 4,5-oxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.15	8.22 ng/ul	2727070	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	76
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	59
4	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53
5	N4,N4'-Dipropyl-biphenyl-4,4'-di...	268	C18H24N2	017576-22-6	53





Tentatively Identified Compound (LSC) summary

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Data File : BN001955.D
Acq On : 03 Jul 2018 22:00
Operator : JU/SJ
Sample : J3721-18 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H03

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	5.1	ng/ul	1112510	1	7.71	4387910	20.0
.alpha.-Pinene	6.42	2.7	ng/ul	583662	1	7.71	4387910	20.0
Caryophyllene	13.66	6.4	ng/ul	2602420	3	14.34	8189310	20.0
Copaene	15.82	2.2	ng/ul	896746	4	17.09	8253230	20.0
unknown-01	16.06	2.7	ng/ul	1105210	4	17.09	8253230	20.0
Phenanthrene, 2-m...	17.96	3.2	ng/ul	1329260	4	17.09	8253230	20.0
4H-Cyclopenta[def...	18.15	5.6	ng/ul	2322310	4	17.09	8253230	20.0
Naphthalene, 2-ph...	18.46	3.2	ng/ul	1302360	4	17.09	8253230	20.0
9,10-Anthracenedione	18.50	8.2	ng/ul	3389630	4	17.09	8253230	20.0
Phenanthrene, 2,5...	18.89	3.4	ng/ul	1417110	4	17.09	8253230	20.0
Cyclopenta(def)ph...	19.02	6.8	ng/ul	2800040	4	17.09	8253230	20.0
Pyrene, 1-methyl-	19.84	3.8	ng/ul	4667540	5	21.29	24840000	20.0
11H-Benzo[a]fluor...	20.76	3.8	ng/ul	4710000	5	21.29	24840000	20.0
Cinnamyl cinnamate	20.84	5.2	ng/ul	6464200	5	21.29	24840000	20.0
Benzo[b]naphtho[2...	20.93	4.2	ng/ul	5237530	5	21.29	24840000	20.0
Benzo[c]phenanthrene	20.97	2.5	ng/ul	3109080	5	21.29	24840000	20.0
Cyclopenta[cd]pyrene	21.00	4.1	ng/ul	5098250	5	21.29	24840000	20.0
Naphtho[2,1,8,7-k...	21.59	2.5	ng/ul	3053770	5	21.29	24840000	20.0
Benz[a]anthracene...	21.83	2.6	ng/ul	3278260	5	21.29	24840000	20.0
Benz(A)anthracene...	21.89	3.0	ng/ul	3741130	5	21.29	24840000	20.0
Benzo[a]pyrene, 4...	22.59	4.8	ng/ul	1595950	6	23.52	6636350	20.0
Benzo[e]pyrene	23.02	12.1	ng/ul	4010410	6	23.52	6636350	20.0
Benzo(a)pyrene 4,...	23.15	8.2	ng/ul	2727070	6	23.52	6636350	20.0