LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001956.D
Acq On : 03 Jul 2018 22:35
Operator : JU/SJ
Sample : J3721-20 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H13

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	19	rVB	890647	1238591	4.87%	0.449%
2	6.417	573	583	592	rVB	519690	806357	3.17%	0.292%
3	6.881	655	662	672	rBV	496483	865618	3.40%	0.314%
4	7.052	684	691	701	rBV	407906	638907	2.51%	0.231%
5	7.246	718	724	732	rVB	510162	821631	3.23%	0.298%
6	7.711	796	803	812	rBV	2539307	3999212	15.71%	1.449%
7	8.411	914	922	931	rBV	572375	936907	3.68%	0.339%
8	8.858	991	998	1006	rVB	459066	787340	3.09%	0.285%
9	9.569	1112	1119	1131	rBV	368707	632065	2.48%	0.229%
10	10.105	1204	1210	1221	rVB	639245	1062662	4.18%	0.385%
11	10.481	1266	1274	1281	rBV	3629528	6232234	24.49%	2.258%
12	10.616	1289	1297	1310	rVV	304616	573064	2.25%	0.208%
13	12.616	1631	1637	1644	rBV	214848	354357	1.39%	0.128%
14	13.222	1734	1740	1751	rVV	271113	440376	1.73%	0.160%
15	13.663	1809	1815	1824	rVB	1907272	2837987	11.15%	1.028%
16	13.751	1824	1830	1834	rBV	1246412	1780489	7.00%	0.645%
17	13.798	1834	1838	1843	rVV	413406	587851	2.31%	0.213%
18	14.028	1869	1877	1880	rBV	1273061	2078885	8.17%	0.753%
19	14.057	1880	1882	1894	rVV	884775	1175766	4.62%	0.426%
20	14.304	1919	1924	1926	rVV	790169	1196783	4.70%	0.434%
21	14.340	1926	1930	1937	rVV2	5110400	7848717	30.84%	2.844%
22	14.422	1937	1944	1957	rVB3	270383	626472	2.46%	0.227%
23	14.540	1957	1964	1970	rBV2	335484	561558	2.21%	0.203%
24	14.622	1970	1978	1983	rVV3	414578	891233	3.50%	0.323%
25	15.334	2093	2099	2105	rVV	1731576	2528469	9.94%	0.916%
26	15.451	2114	2119	2124	rVV	320889	440588	1.73%	0.160%
27	15.681	2152	2158	2162	rBV2	203685	338560	1.33%	0.123%
28	15.822	2170	2182	2193	rBV	628308	1050439	4.13%	0.381%
29	16.063	2216	2223	2227	rBV4	309041	626613	2.46%	0.227%
30	17.087	2390	2397	2401	rVV	5882267	8723859	34.28%	3.161%
31	17.122	2401	2403	2408	rVV	735564	975969	3.83%	0.354%
32	17.181	2408	2413	2416	rVV2	1635264	2431773	9.56%	0.881%
33	17.216	2416	2419	2424	rVV	1914161	2525779	9.92%	0.915%
34	17.275	2424	2429	2436	rVB	199021	356344	1.40%	0.129%

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Sample : J3721-20 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H13

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	17.487	2456	2465	2469	rBV	1019606	1534908	6.03%	0.556%
36	17.528	2469	2472	2479	rVV	128230	226852	0.89%	0.082%
37	17.957	2537	2545	2547	rBV3	213688	457239	1.80%	0.166%
38	17.992	2547	2551	2561	rVB4	693705	1287584	5.06%	0.467%
39	18.086	2562	2567	2571	rBV	263400	394388	1.55%	0.143%
40	18.151	2573	2578	2583	rBV3	456304	903178	3.55%	0.327%
41	18.269	2593	2598	2600	rBV3	133301	244917	0.96%	0.089%
42	18.351	2609	2612	2617	rVB3	189690	265384	1.04%	0.096%
43	18.463	2628	2631	2633	rBV	210573	238052	0.94%	0.086%
44	18.498	2633	2637	2642	rVB	1231820	1673267	6.57%	0.606%
45	18.710	2670	2673	2677	rBV2	193295	262388	1.03%	0.095%
46	18.763	2679	2682	2685	rVV2	219559	301101	1.18%	0.109%
47	18.798	2685	2688	2692	rVB	225845	292546	1.15%	0.106%
48	18.881	2698	2702	2707	rBV	542916	822946	3.23%	0.298%
49	18.939	2708	2712	2716	rBV5	248420	446035	1.75%	0.162%
50	19.022	2721	2726	2735	rVB	1155924	1704202	6.70%	0.617%
51	19.151	2742	2748	2753	rVB	10337097	14519053	57.05%	5.261%
52	19.216	2755	2759	2761	rBV	199309	267375	1.05%	0.097%
53	19.245	2761	2764	2767	rVB3	224081	257141	1.01%	0.093%
54	19.292	2767	2772	2776	rVB2	461875	766670	3.01%	0.278%
55	19.345	2777	2781	2785	rBV2	255689	465079	1.83%	0.169%
56	19.481	2799	2804	2806	rBV3	3090165	4532133	17.81%	1.642%
57	19.516	2806	2810	2817	rVV	12116863	17293767	67.95%	6.266%
58	19.592	2818	2823	2827	rVV3	495654	927208	3.64%	0.336%
59	19.692	2836	2840	2845	rBV	496992	731189	2.87%	0.265%
60	19.751	2846	2850	2856	rVB2	896733	1473116	5.79%	0.534%
61	19.839	2859	2865	2872	rBV5	1388014	3685684	14.48%	1.335%
62	19.975	2883	2888	2892	rBV5	1377669	3156314	12.40%	1.144%
63	20.110	2907	2911	2914	rBV2	740497	895470	3.52%	0.324%
64	20.169	2914	2921	2925	rBV2	1900958	3356498	13.19%	1.216%
65	20.210	2925	2928	2931	rVB	426183	503631	1.98%	0.182%
66	20.251	2931	2935	2940	rBV2	351219	542222	2.13%	0.196%
67	20.310	2941	2945	2949	rBV	1292714	1857167	7.30%	0.673%
68	20.357	2949	2953	2957	rVB2	767695	1166518	4.58%	0.423%
69	20.475	2970	2973	2977	rVB4	451443	632513	2.49%	0.229%
70	20.580	2985	2991	2994	rBV3	646667	1552052	6.10%	0.562%
71	20.680	3005	3008	3012	rBV3	401125	500508	1.97%	0.181%

LSC Area Percent Report

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Sample : J3721-20 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H13

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	20.757	3018	3021	3028	rVB	2193745	3015732	11.85%	1.093%
73	20.839	3031	3035	3042	rVV	6541464	8281647	32.54%	3.001%
74	20.928	3044	3050	3053	rVV3	1818859	3386580	13.31%	1.227%
75	20.963	3053	3056	3059	rVV2	1581395	2133164	8.38%	0.773%
76	21.004	3059	3063	3068	rVV2	2247207	3933396	15.46%	1.425%
77	21.057	3068	3072	3079	rVB2	1801672	2656495	10.44%	0.963%
78	21.169	3089	3091	3095	rVB3	465558	504075	1.98%	0.183%
79	21.275	3100	3109	3114	rBV3	8200012	20872363	82.01%	7.562%
80	21.322	3114	3117	3124	rVB	7395477	10226260	40.18%	3.705%
81	21.439	3133	3137	3142	rBV3	855698	1617740	6.36%	0.586%
82	21.592	3159	3163	3168	rBV2	1277821	2143265	8.42%	0.777%
83	21.645	3168	3172	3175	rVV3	624799	828611	3.26%	0.300%
84	21.780	3192	3195	3197	rBV3	377181	478681	1.88%	0.173%
85	21.833	3198	3204	3208	rVB	1498277	2641519	10.38%	0.957%
86	21.892	3209	3214	3219	rVV2	1846222	2815050	11.06%	1.020%
87	22.027	3234	3237	3240	rBV	891480	1177662	4.63%	0.427%
88	22.127	3251	3254	3259	rVB2	614873	923676	3.63%	0.335%
89	22.304	3281	3284	3288	rBV	518909	683370	2.69%	0.248%
90	22.586	3327	3332	3345	rVB3	945182	3135485	12.32%	1.136%
91	22.857	3370	3378	3383	rBV	10824611	25449555	100.00%	9.221%
92	23.022	3401	3406	3412	rVB	1676821	2699828	10.61%	0.978%
93	23.151	3424	3428	3436	rBV2	790399	1769228	6.95%	0.641%
94	23.327	3452	3458	3464	rBV	5070709	9436676	37.08%	3.419%
95	23.422	3469	3474	3481	rVB	5502628	10138311	39.84%	3.673%
96	23.516	3483	3490	3495	rVV	2972872	6252931	24.57%	2.266%
97	23.563	3495	3498	3506	rVB2	1719462	3516290	13.82%	1.274%
98	24.074	3581	3585	3592	rVB	884236	1687132	6.63%	0.611%
99	25.751	3862	3870	3882	rVB	3128515	9284853	36.48%	3.364%
100	26.433	3978	3986	4001	rVB	1733896	5199833	20.43%	1.884%

Sum of corrected areas: 275999158

LSC Report - Integrated Chromatogram

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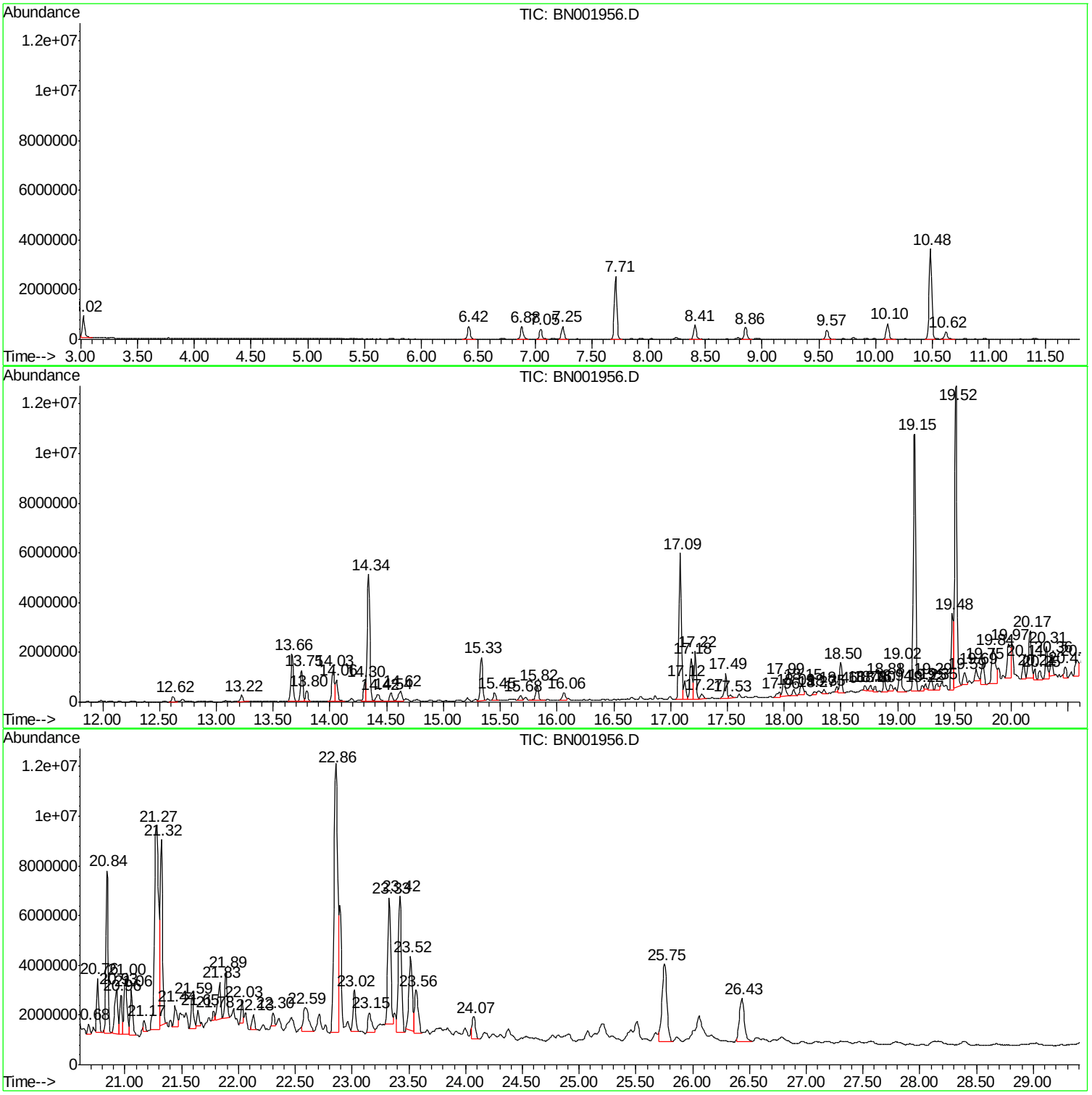
Sample : J3721-20 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H13

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\BN070318\
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Acq On : 03 Jul 2018 22:35
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Instrument : BNA_N
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

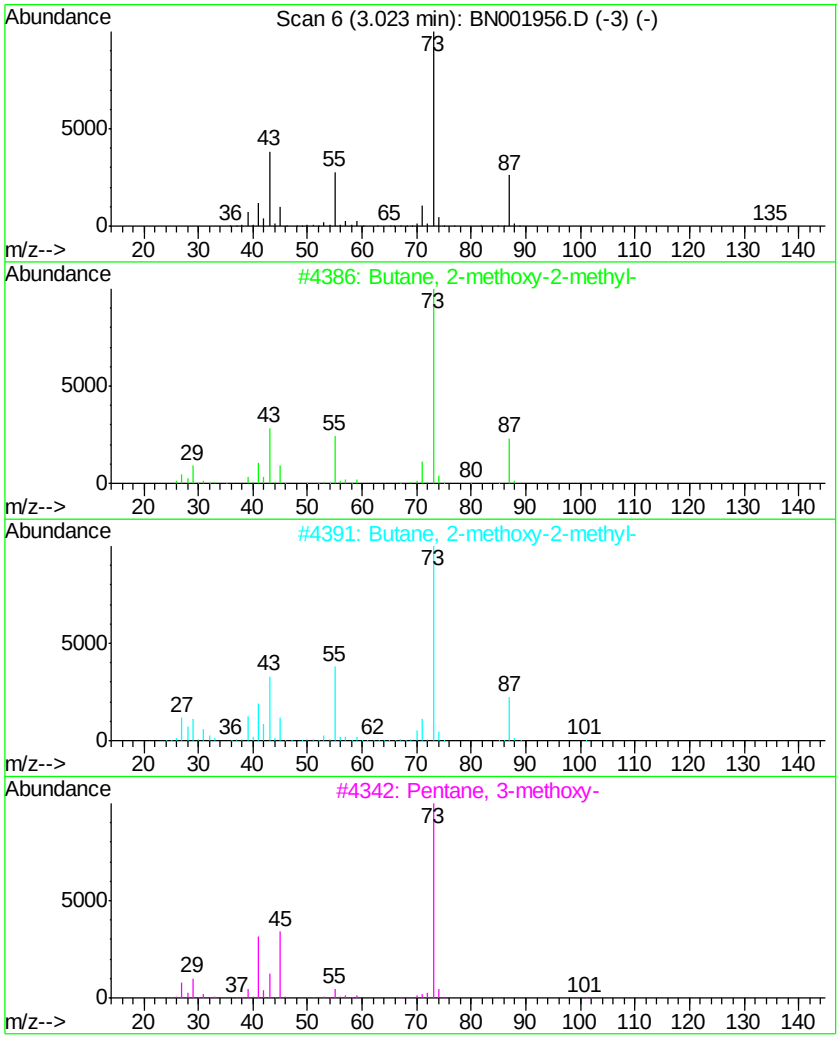
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

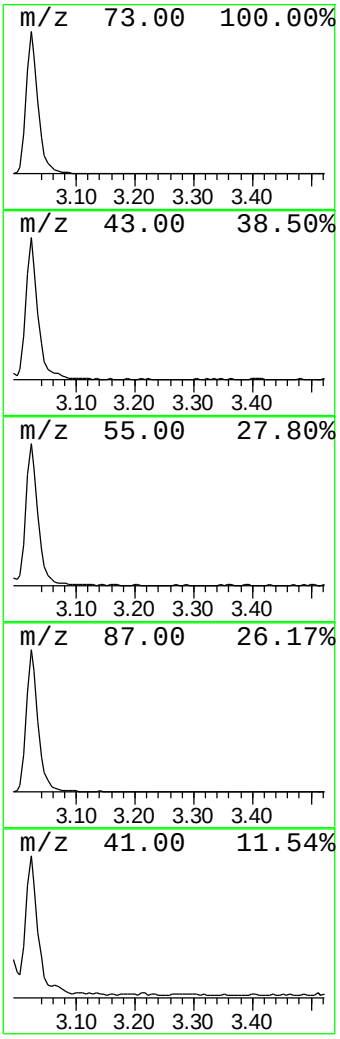
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	6.19 ng/ul	1238590	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	64
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





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

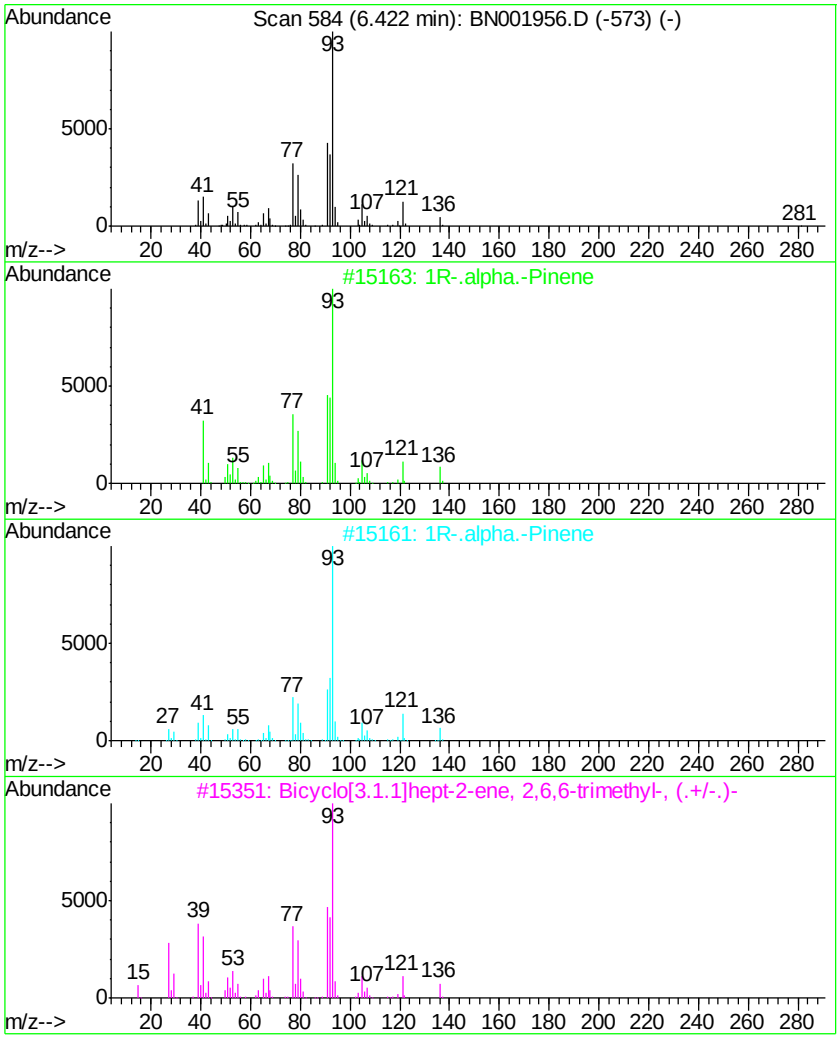
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

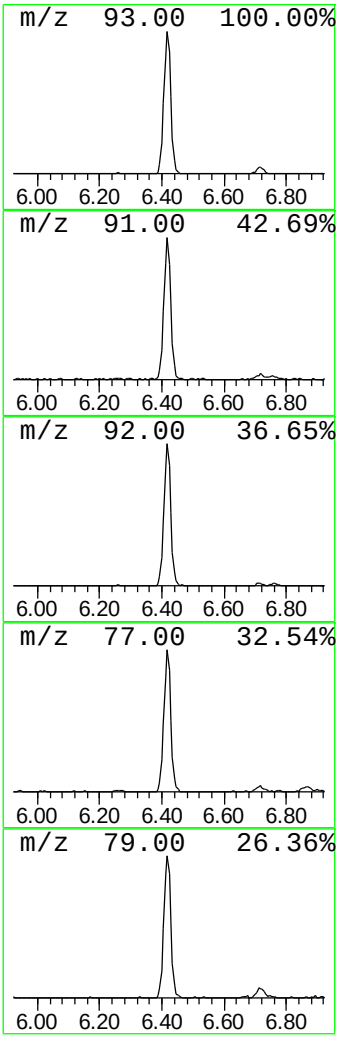
****

Peak Number 2 1R-.alpha.-Pinene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	4.03 ng/ul	806357	1,4-Dichlorobenzene-d4	7.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1R-.alpha.-Pinene	136	C10H16	007785-70-8	95
2	1R-.alpha.-Pinene	136	C10H16	007785-70-8	95
3	Bicyclo[3.1.1]hept-2-ene, 2,6,6-...	136	C10H16	002437-95-8	95
4	.alpha.-Pinene	136	C10H16	000080-56-8	94
5	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	94





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Quant Title : SVOA CALIBRATION

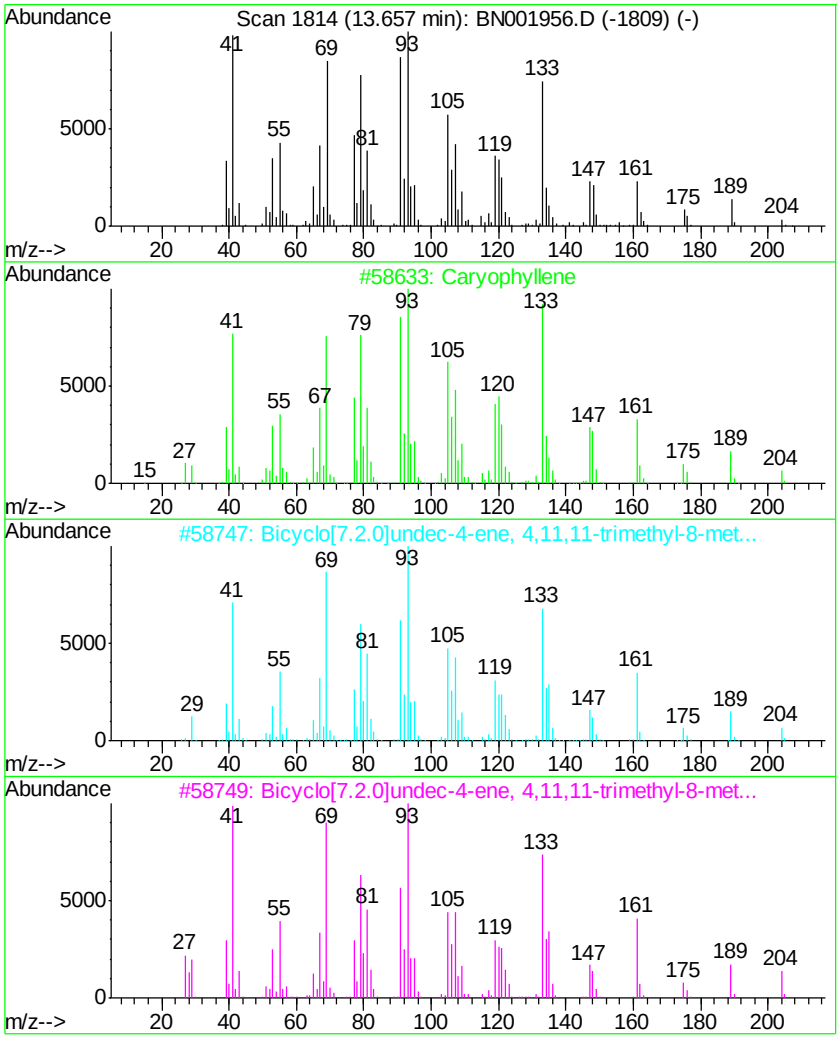
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

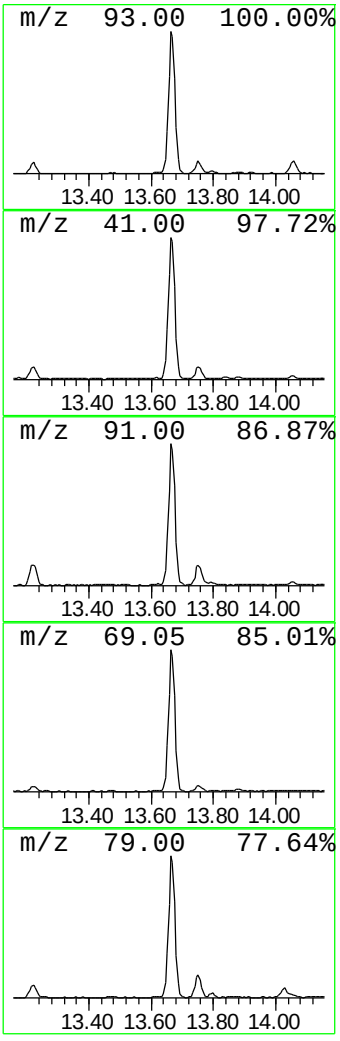
****

Peak Number 3 Caryophyllene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	7.23 ng/ul	2837990	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	013877-93-5	89
4	Caryophyllene	204	C15H24	000087-44-5	87
5	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	000118-65-0	76





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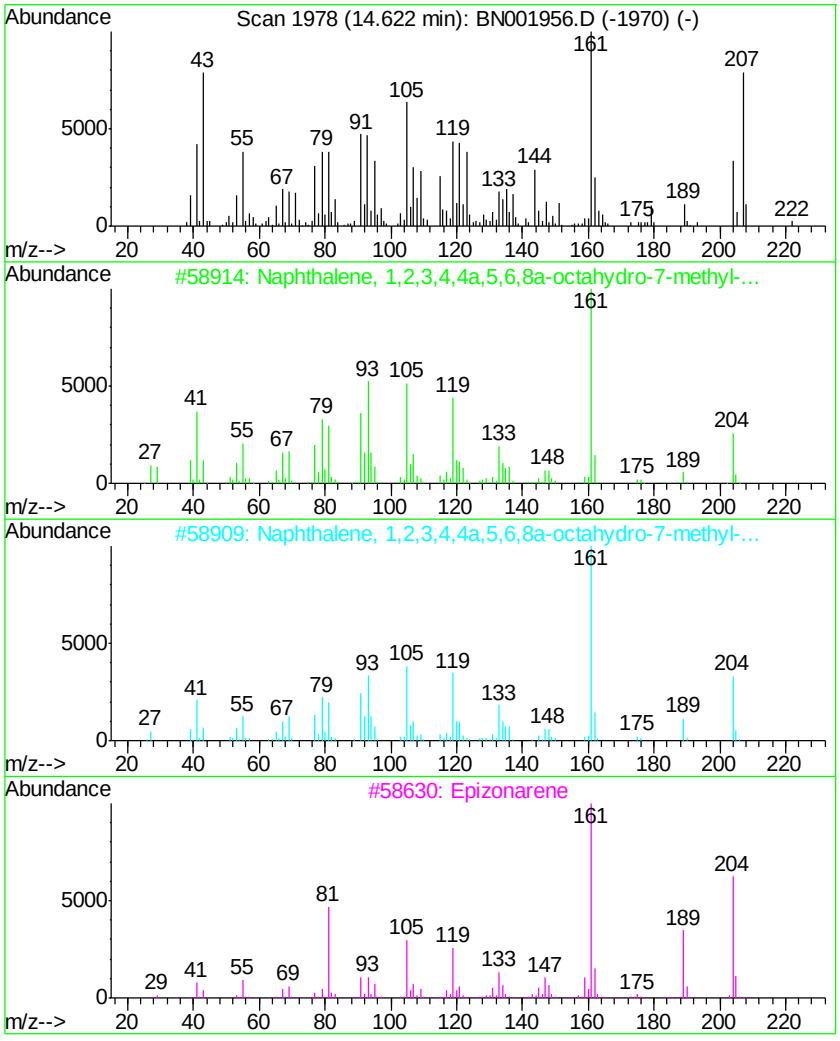
Quant Title : SVOA CALIBRATION

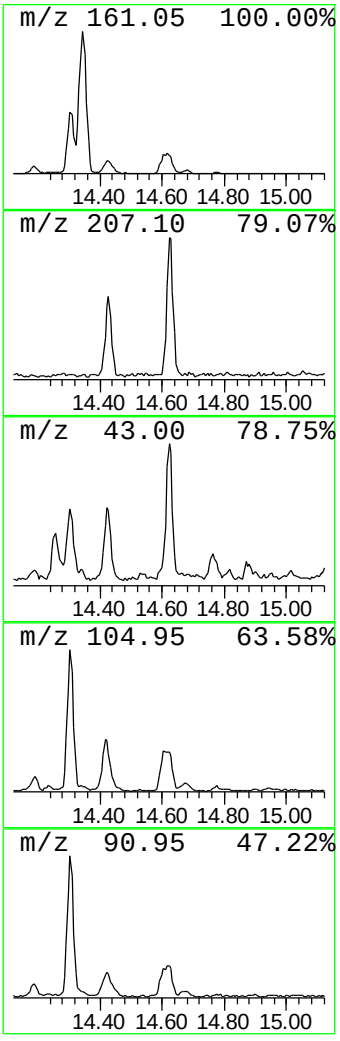
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, 1,2,3,4,4a,5,6... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	2.27 ng/ul	891233	Acenaphthene-d10	14.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	030021-74-0	66
2	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	030021-74-0	62
3	Epizonarene	204	C15H24	1000156-10-7	49
4	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	039029-41-9	46
5	Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	46





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Quant Title : SVOA CALIBRATION

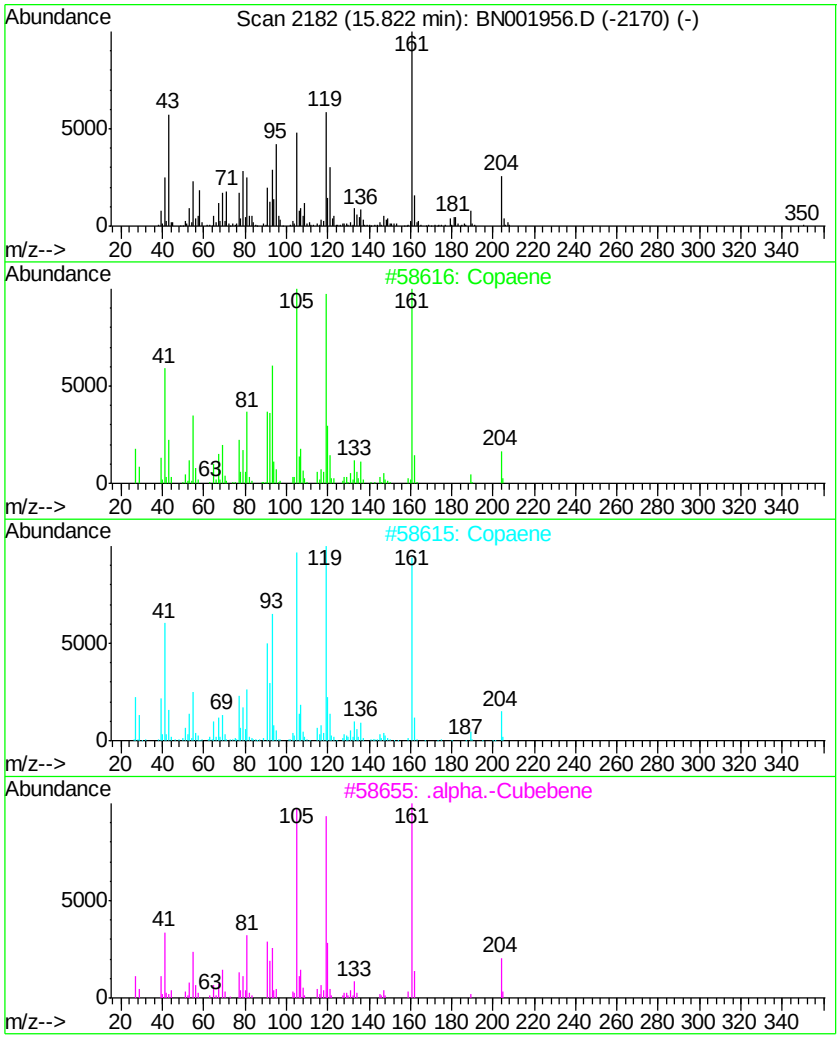
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

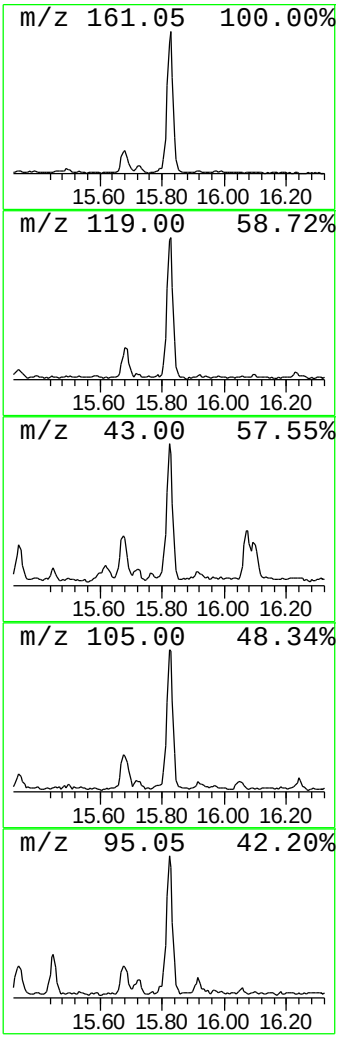
****

Peak Number 5 Copaene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	2.41 ng/ul	1050440	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Copaene	204	C15H24	003856-25-5	95
2	Copaene	204	C15H24	003856-25-5	95
3	.alpha.-Cubebene	204	C15H24	017699-14-8	93
4	Copaene	204	C15H24	003856-25-5	93
5	1-Naphthalenol, 1,2,3,4,4a,7,8,8...	222	C15H26O	019435-97-3	87





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Operator : JU/SJ
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ClientSampleId : F1H13

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

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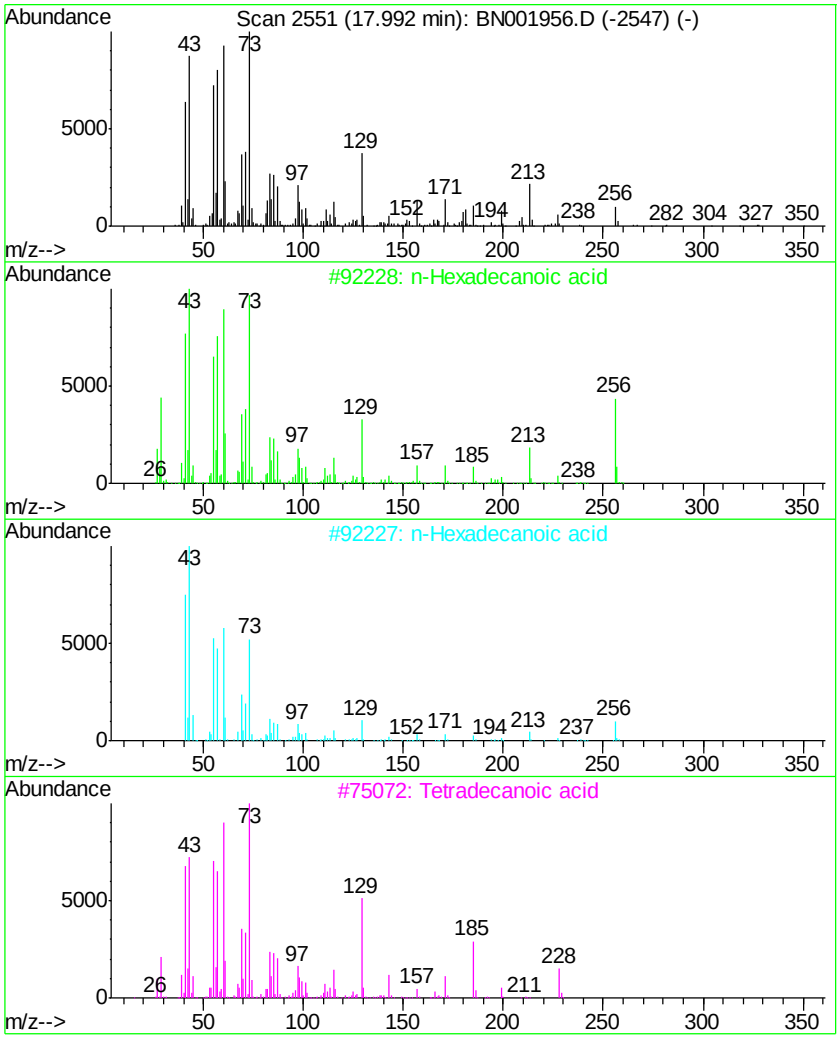
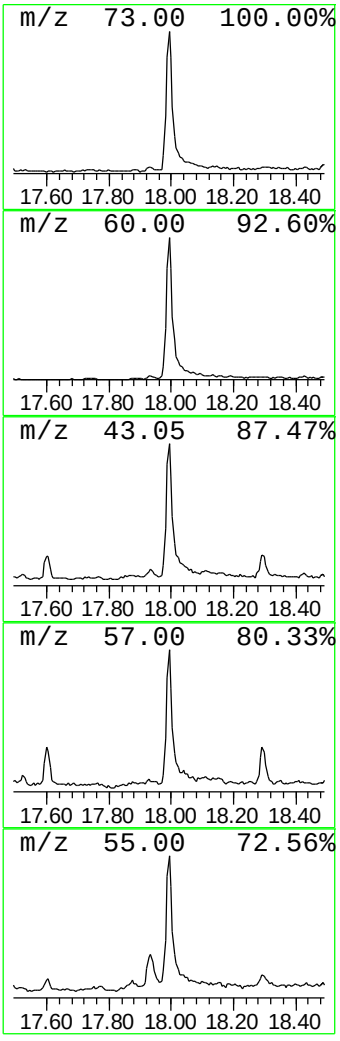
Peak Number 6 n-Hexadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	2.95 ng/ul	1287580	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	94
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	86
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	80





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Quant Title : SVOA CALIBRATION

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

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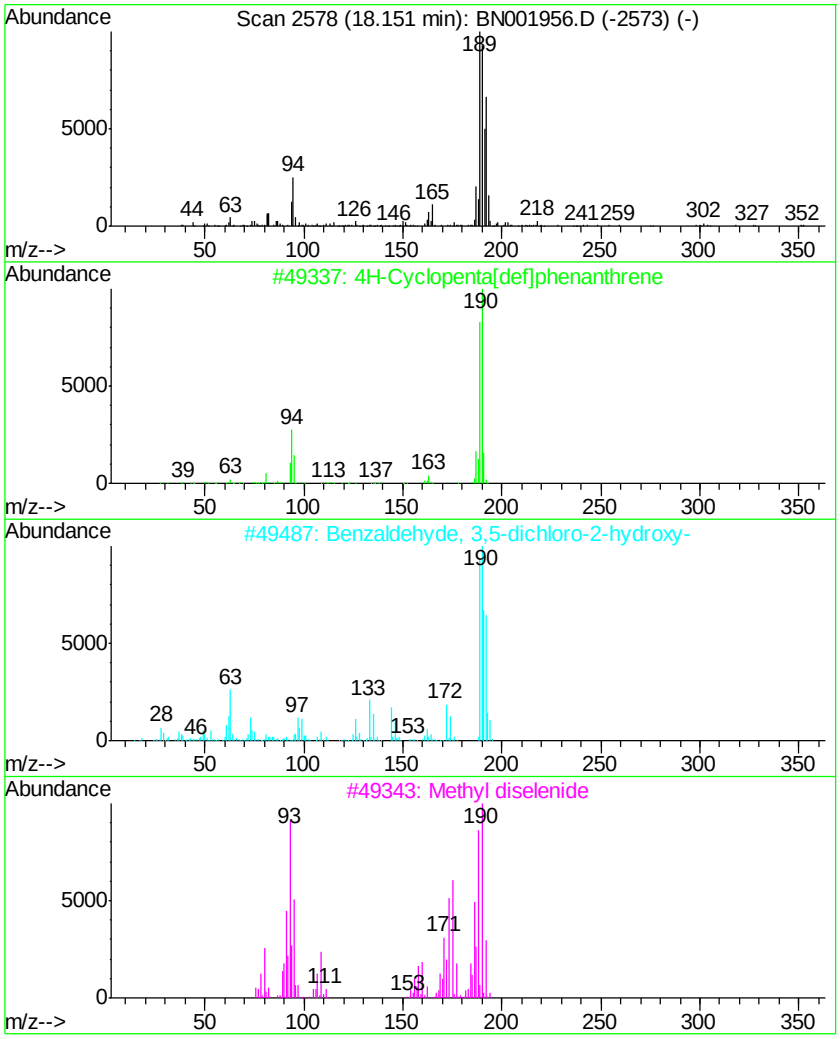
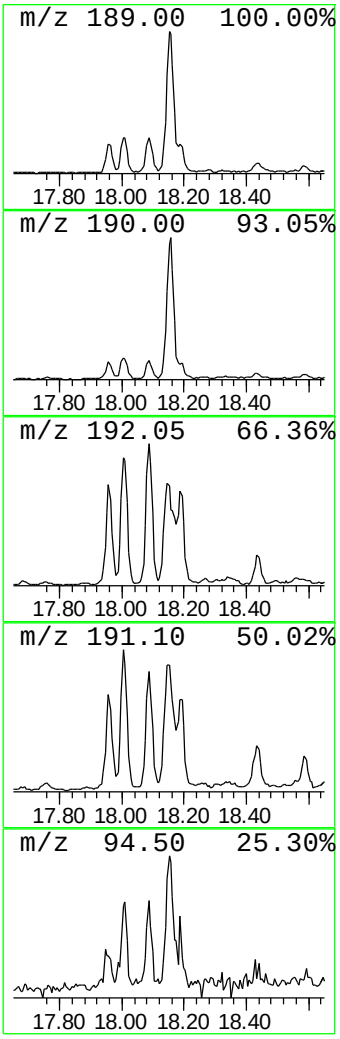
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	2.07 ng/ul	903178	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	38
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	35





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Quant Title : SVOA CALIBRATION

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

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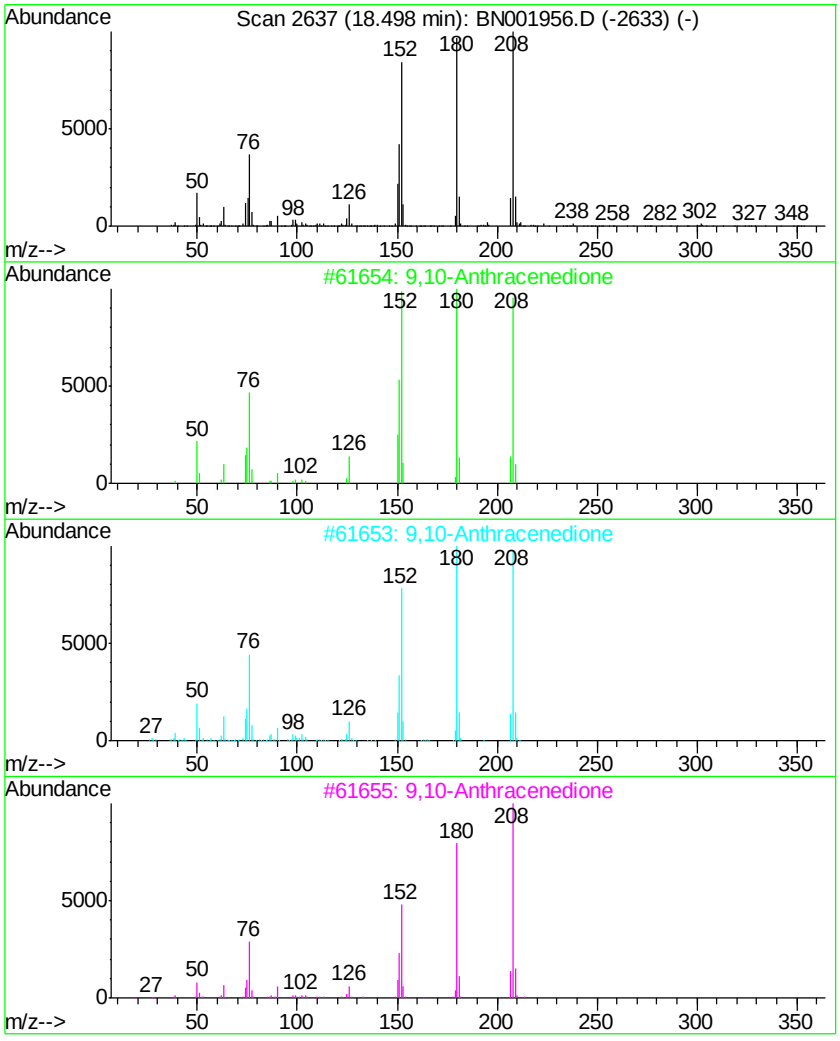
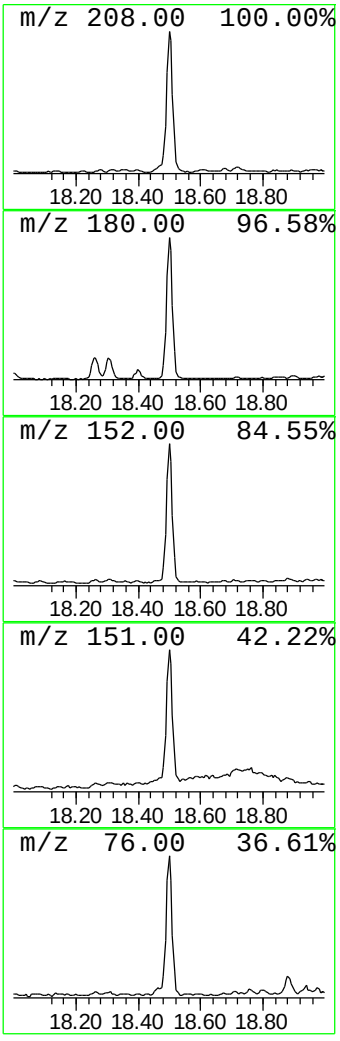
Peak Number 8 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	3.84 ng/ul	1673270	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	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70





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Misc :
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Instrument : BNA_N
ClientSampleId : F1H13

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Quant Title : SVOA CALIBRATION

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

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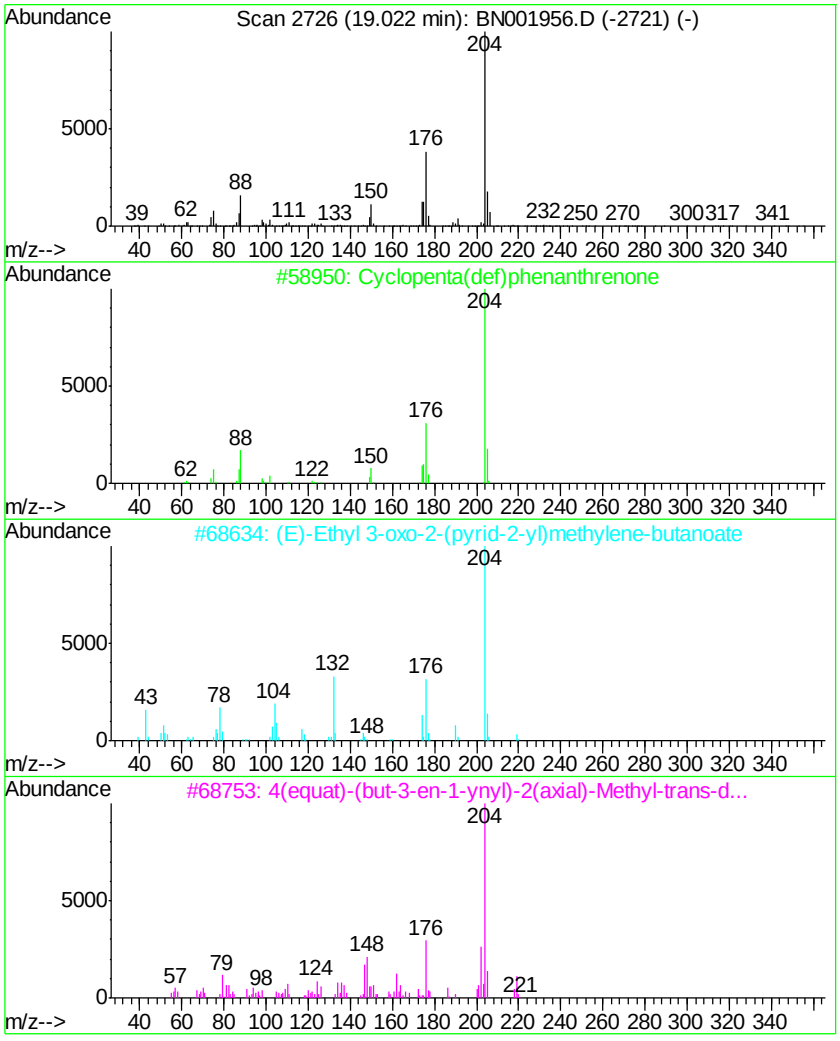
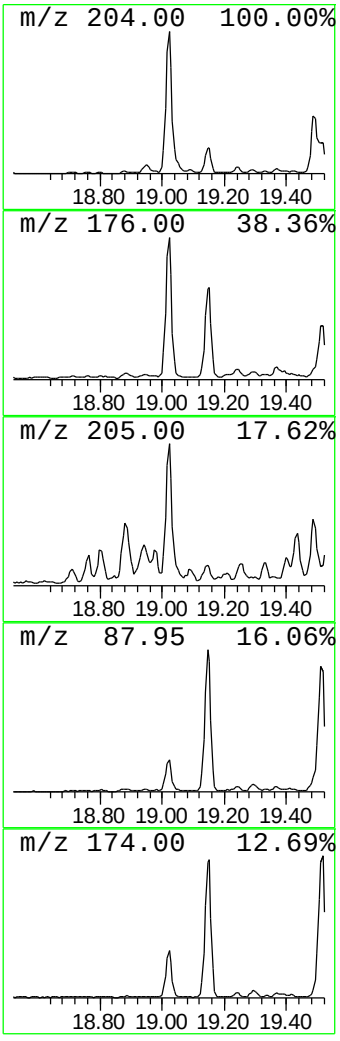
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	3.91 ng/ul	1704200	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
3	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	45
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	42





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Quant Title : SVOA CALIBRATION

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

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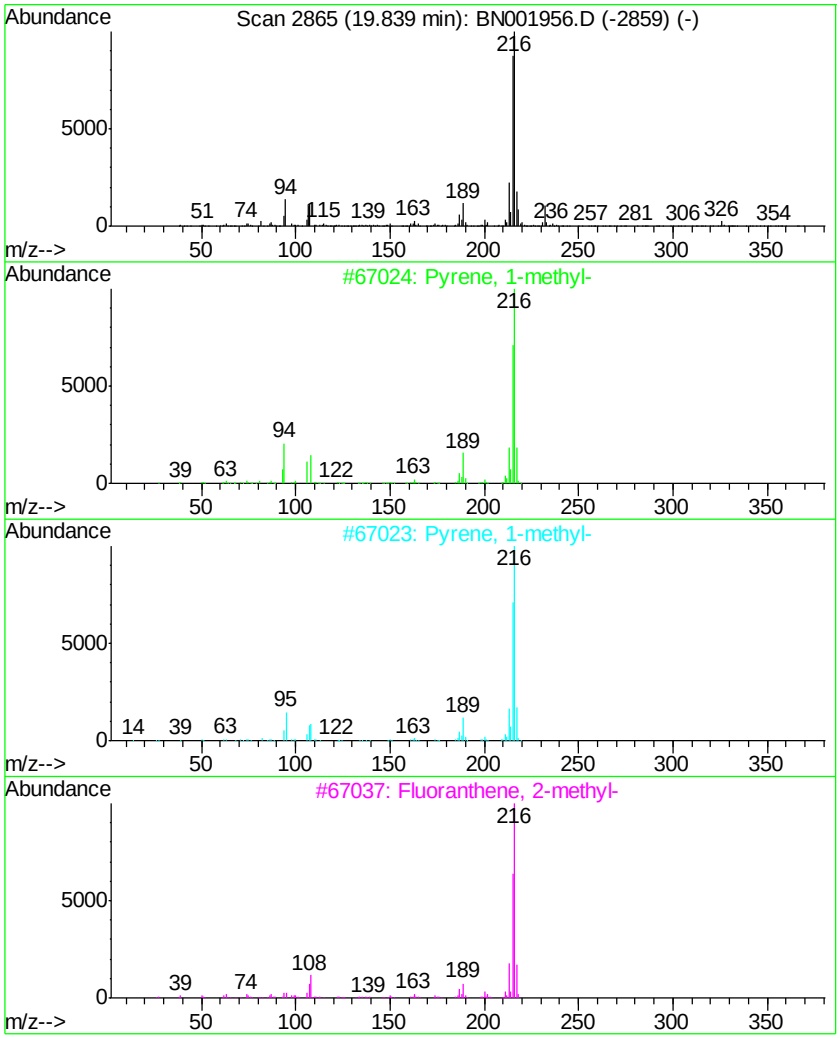
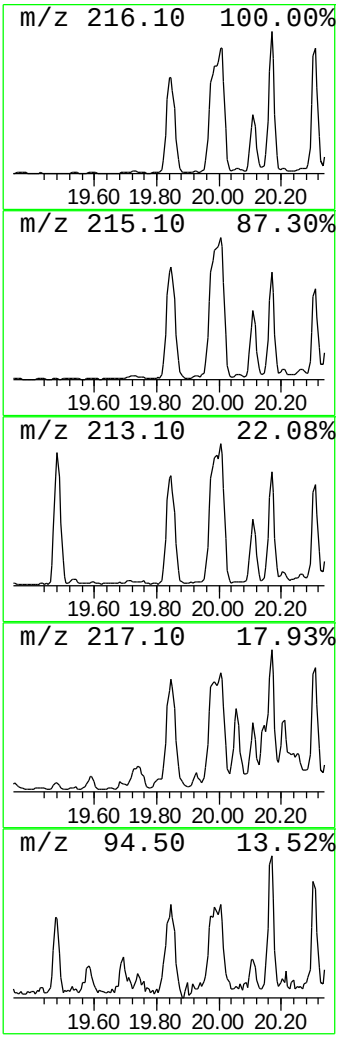
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	3.53 ng/ul	3685680	Chrysene-d12	21.28

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	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93





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Quant Title : SVOA CALIBRATION

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

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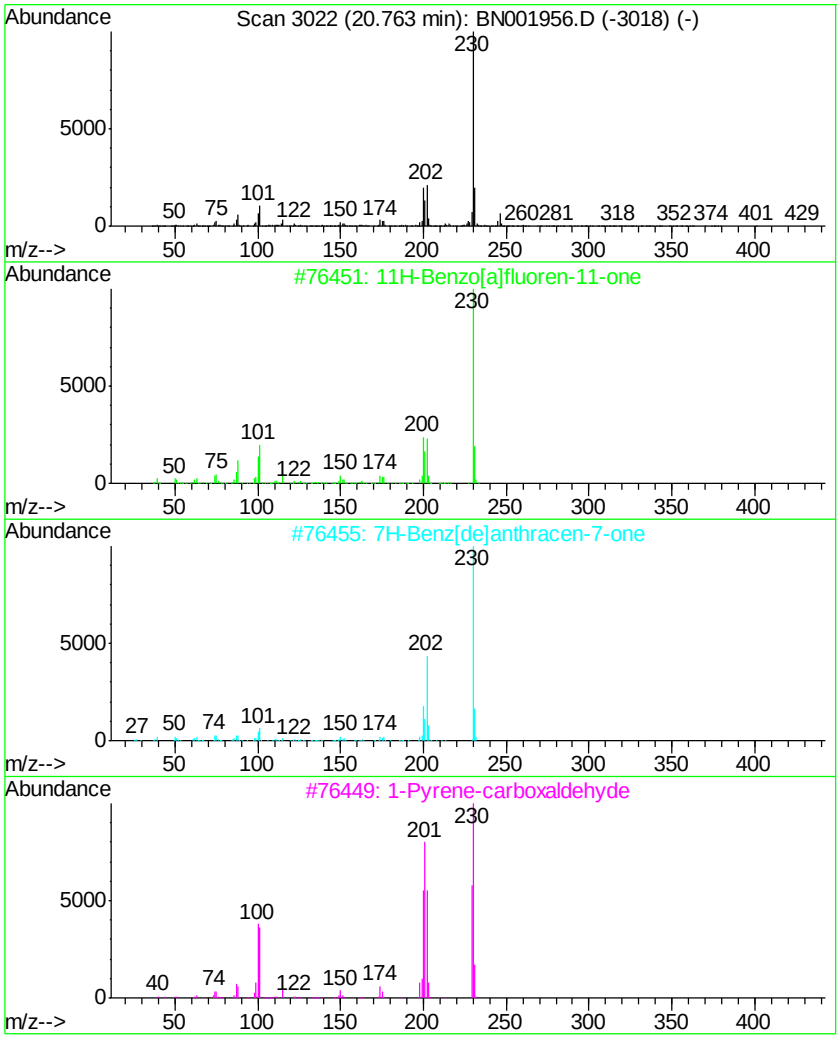
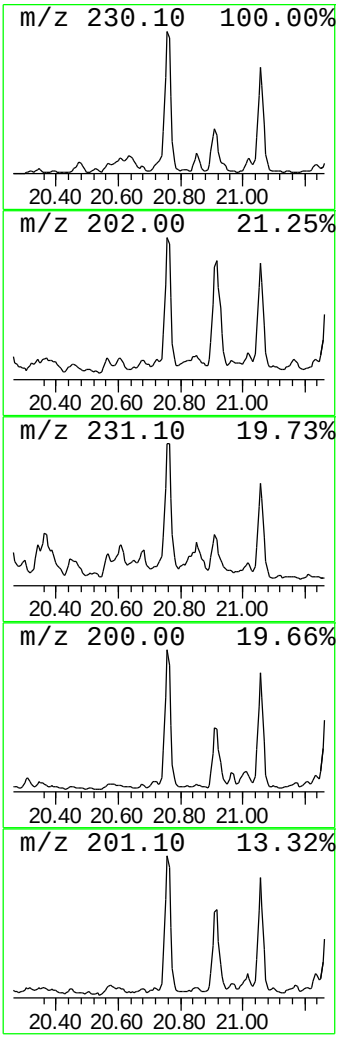
Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	2.89 ng/ul	3015730	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
3	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	72
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	62
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53





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Quant Title : SVOA CALIBRATION

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

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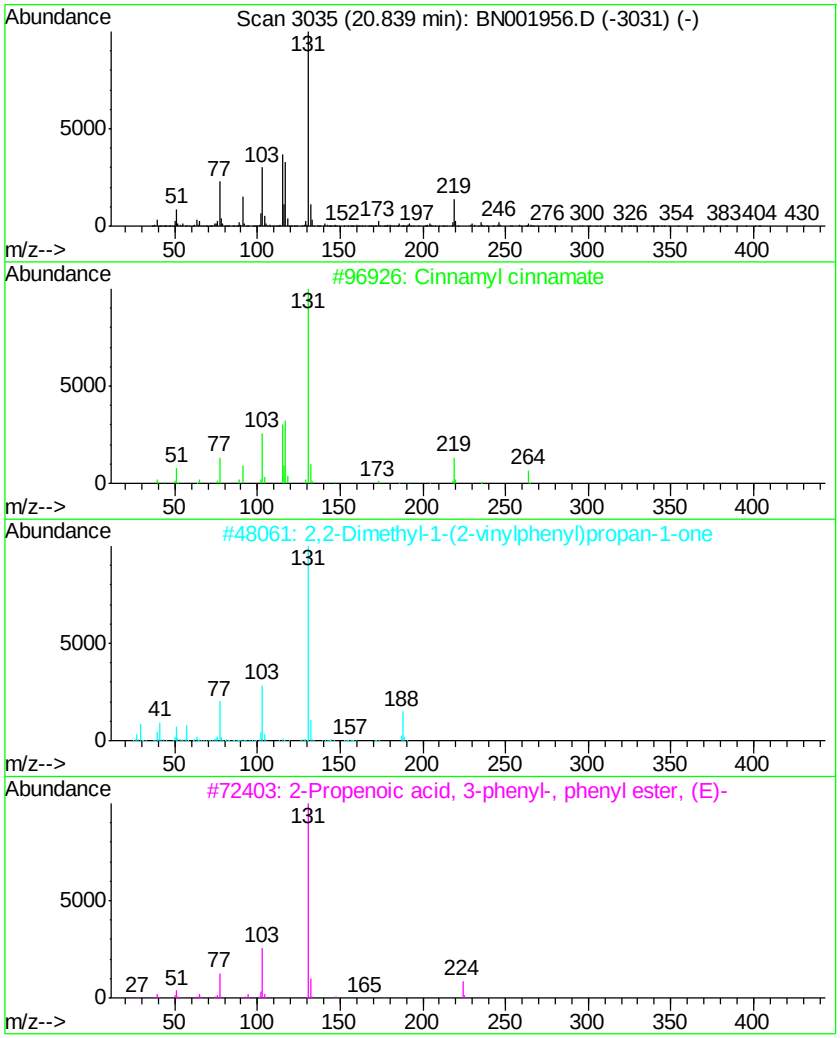
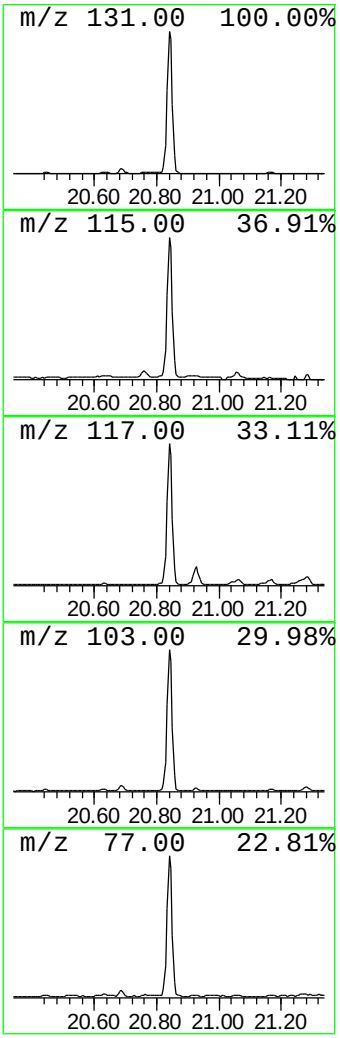
Peak Number 14 Cinnamyl cinnamate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	7.94 ng/ul	8281650	Chrysene-d12	21.28

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	2-Propenoic acid, 3-phenyl-, phe...	224	C15H12O2	025695-77-6	50
4	1-Penten-3-one, 4,4-dimethyl-1-p...	188	C13H16O	000538-44-3	50
5	Oxalic acid, monoamide monohydra...	323	C18H17N3O3	1000294-01-4	50





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Quant Title : SVOA CALIBRATION

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

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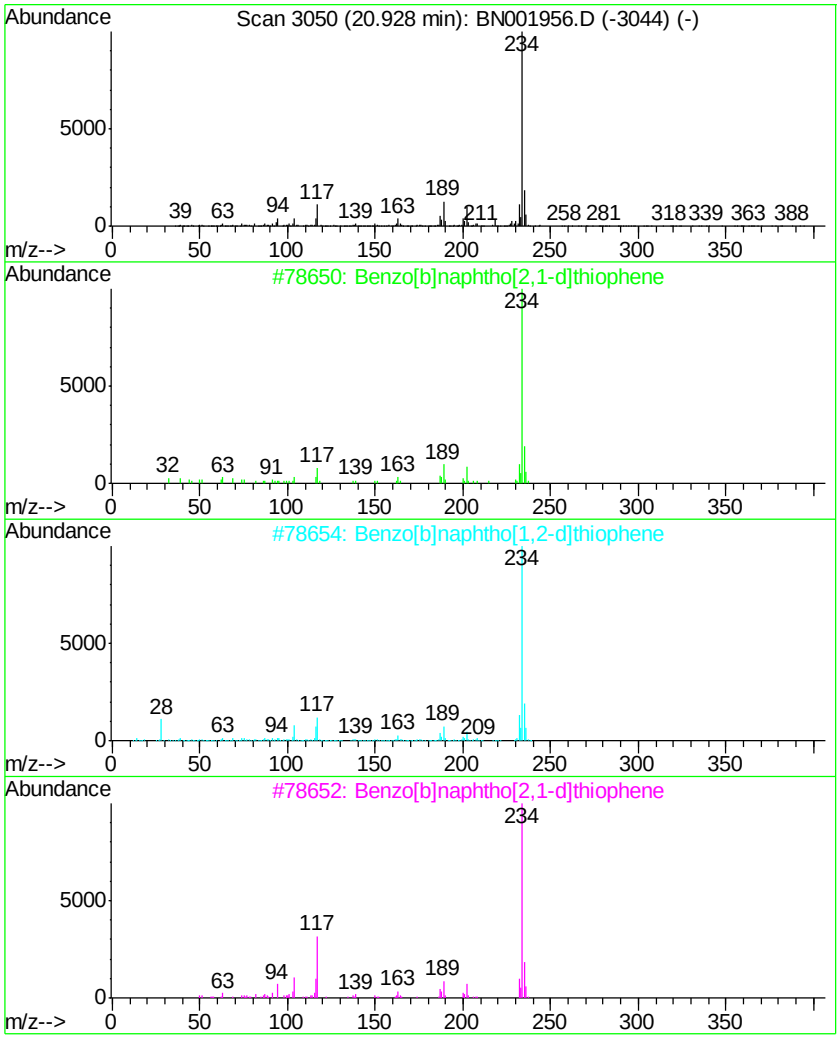
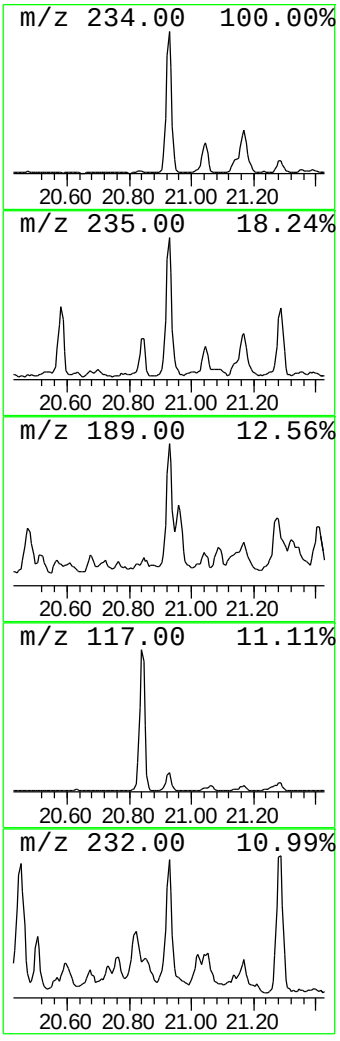
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	3.25 ng/ul	3386580	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	96
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95





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TIC Integration Parameters: LSCINT.P

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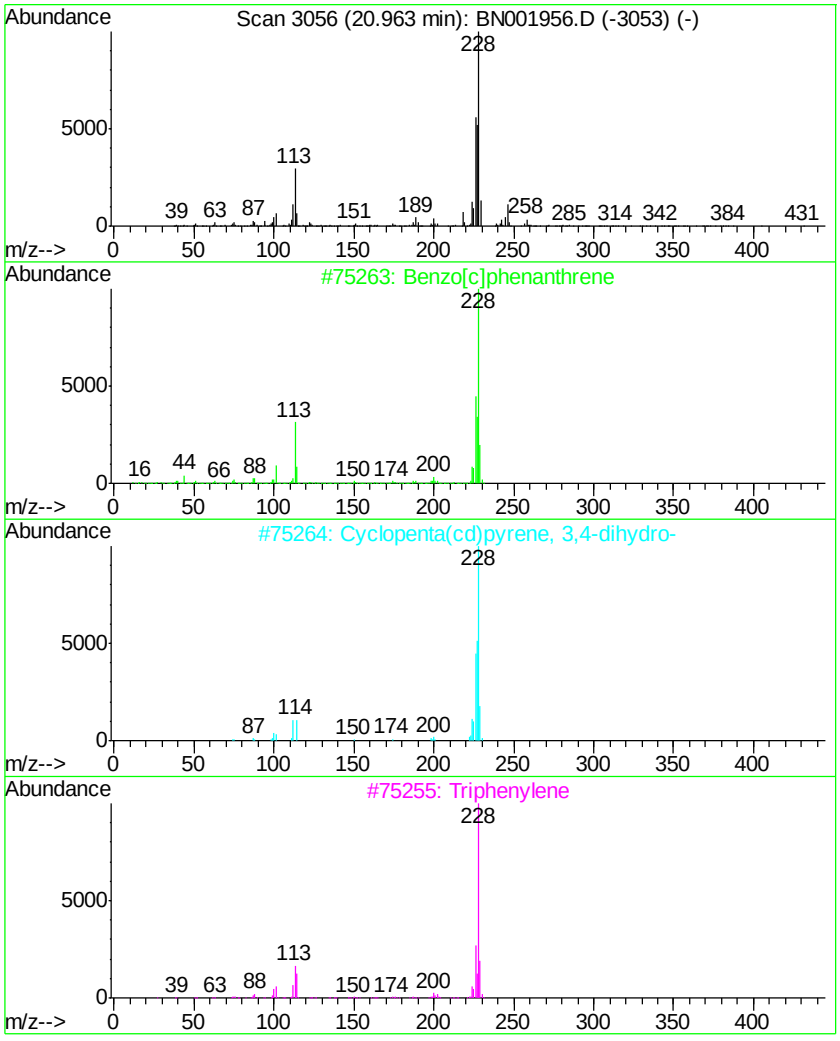
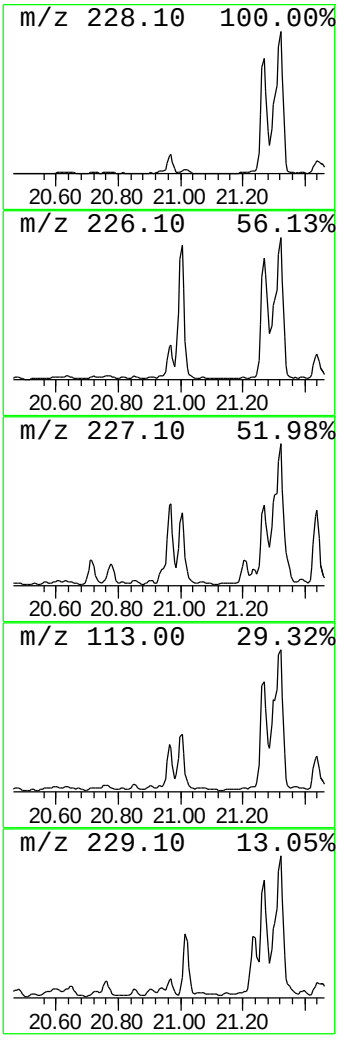
Peak Number 16 Benzo[c]phenanthrene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	2.04 ng/ul	2133160	Chrysene-d12	21.28

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	46
3	Triphenylene	228	C18H12	000217-59-4	45
4	2-Nitrophenyl selenocyanate	228	C7H4N2O2Se	051694-22-5	43
5	Naphthacene	228	C18H12	000092-24-0	38





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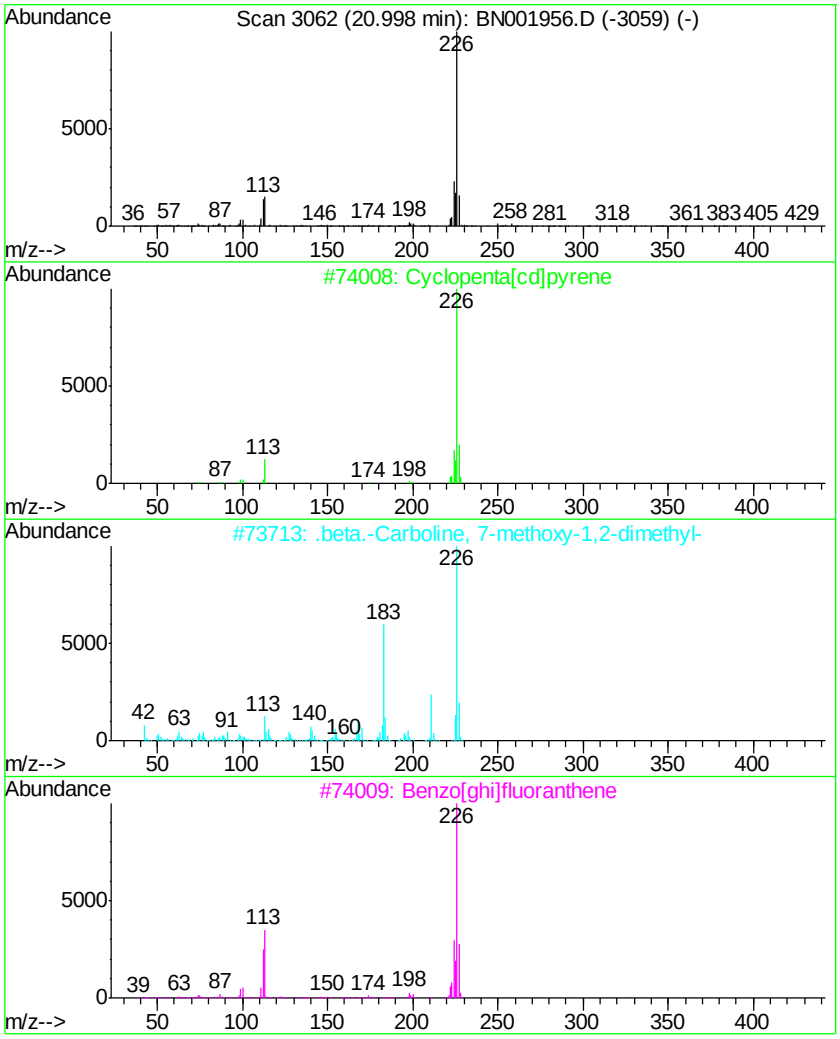
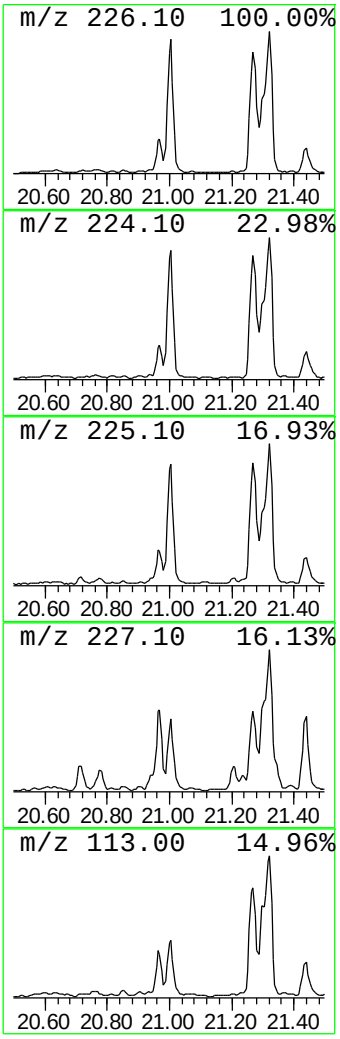
Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	3.77 ng/ul	3933400	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	38
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	33





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Quant Title : SVOA CALIBRATION

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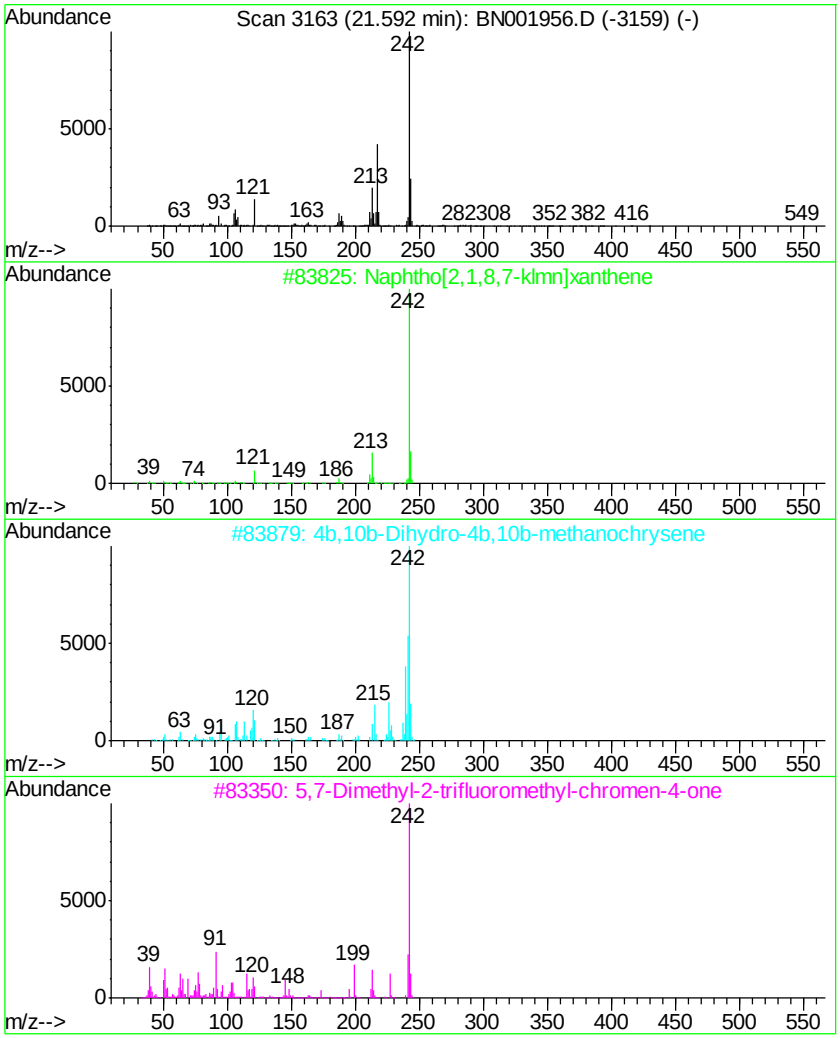
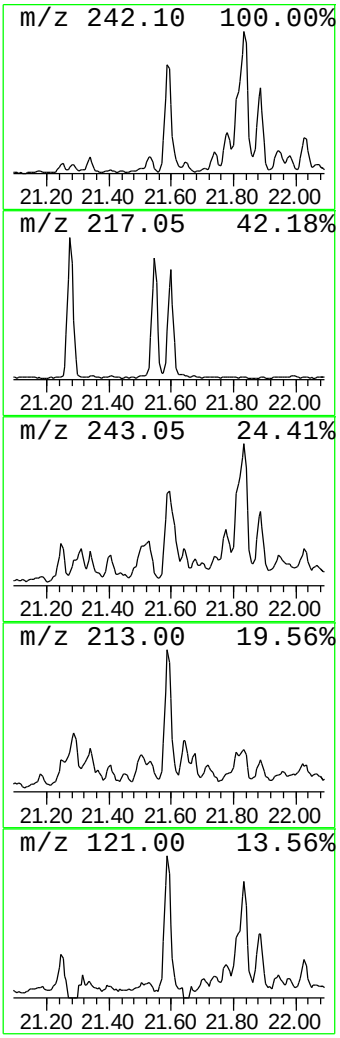
Peak Number 19 Naphtho[2,1,8,7-klmn]xanthene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.59	2.05 ng/ul	2143270	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	64
2	4b,10b-Dihydro-4b,10b-methanochr...	242	C19H14	071949-03-6	50
3	5,7-Dimethyl-2-trifluoromethyl-c...	242	C12H9F3O2	000321-42-6	50
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	47
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001956.D
Acq On : 03 Jul 2018 22:35
Operator : JU/SJ
Sample : J3721-20 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H13

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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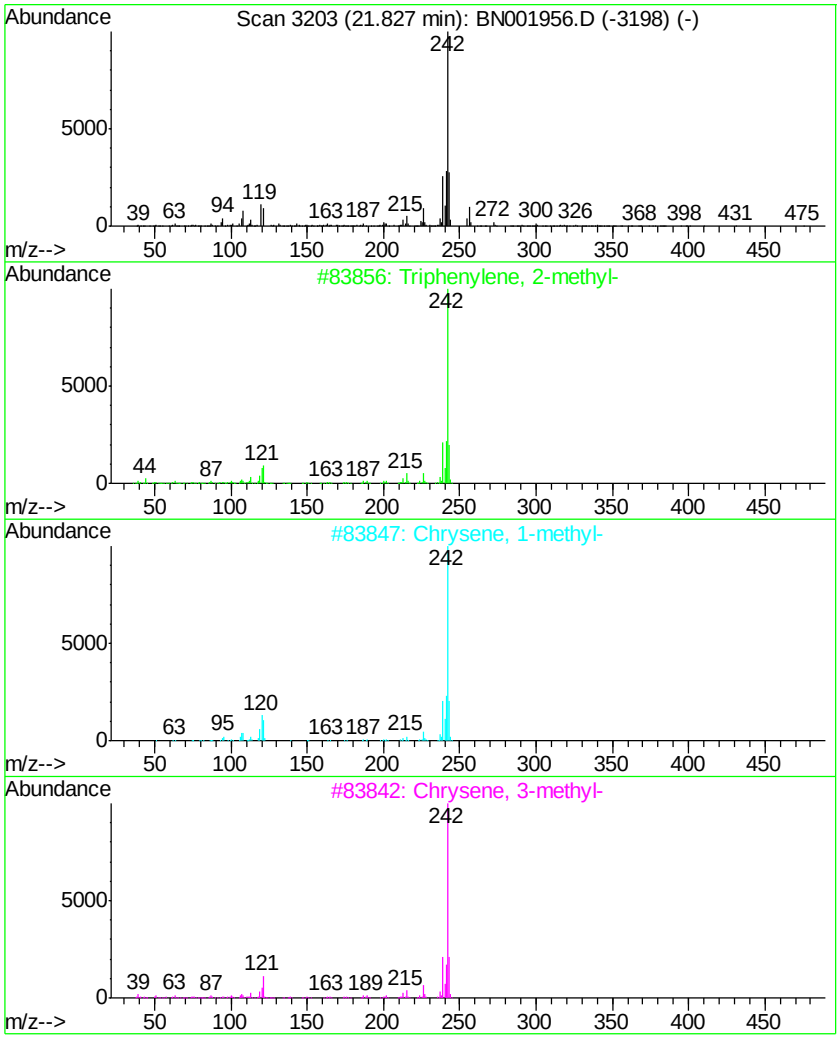
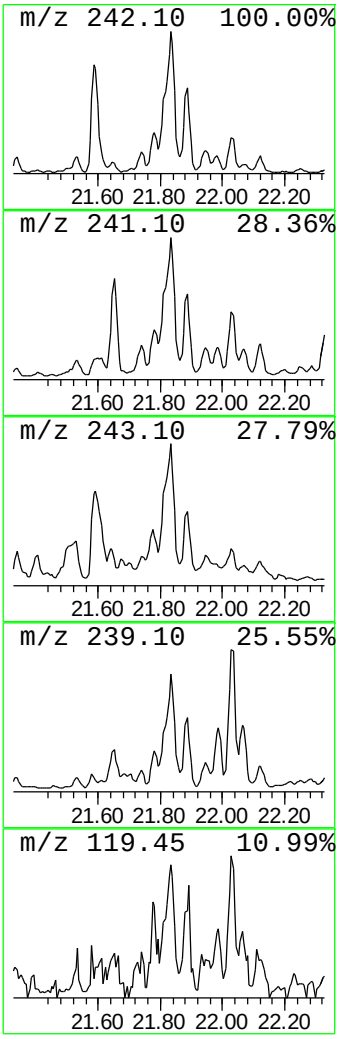
Peak Number 20 Triphenylene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	2.53 ng/ul	2641520	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	94
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	92
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	92
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89





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Acq On : 03 Jul 2018 22:35
Operator : JU/SJ
Sample : J3721-20 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H13

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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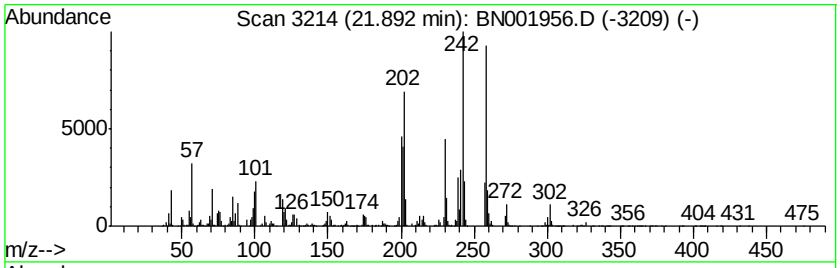
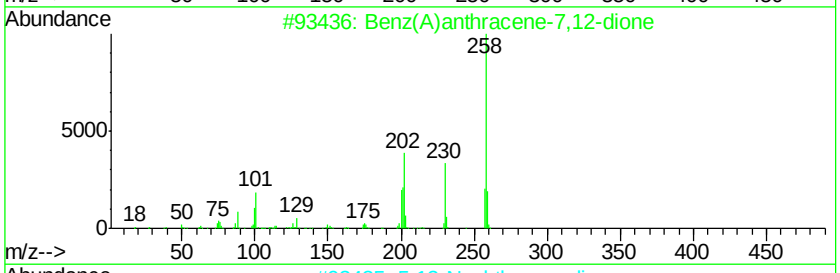
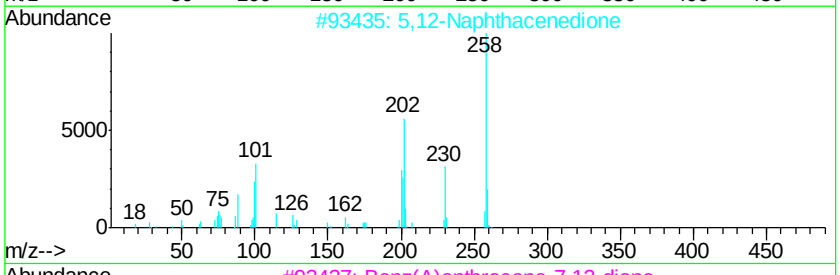
Peak Number 21 Benz(A)anthracene-7,12-dione Concentration Rank 18

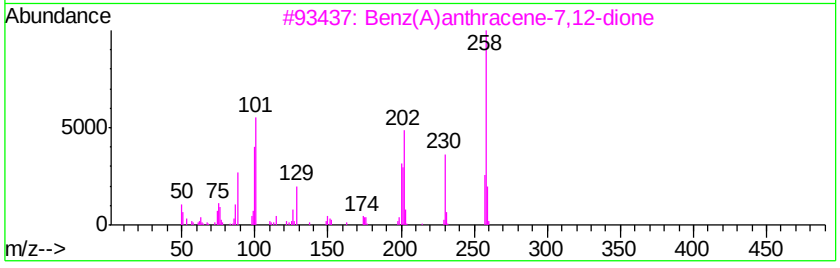
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.89	2.70 ng/ul	2815050	Chrysene-d12	21.28

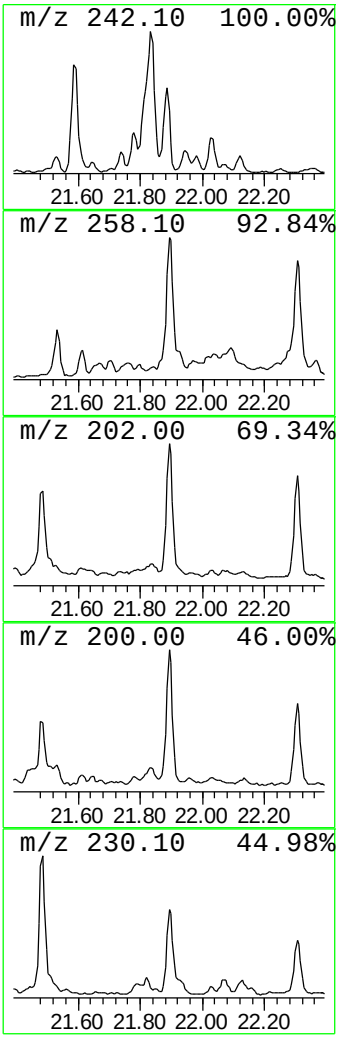
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	92
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	91
3	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	91
4	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	64
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	45











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Data File : BN001956.D
Acq On : 03 Jul 2018 22:35
Operator : JU/SJ
Sample : J3721-20 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H13

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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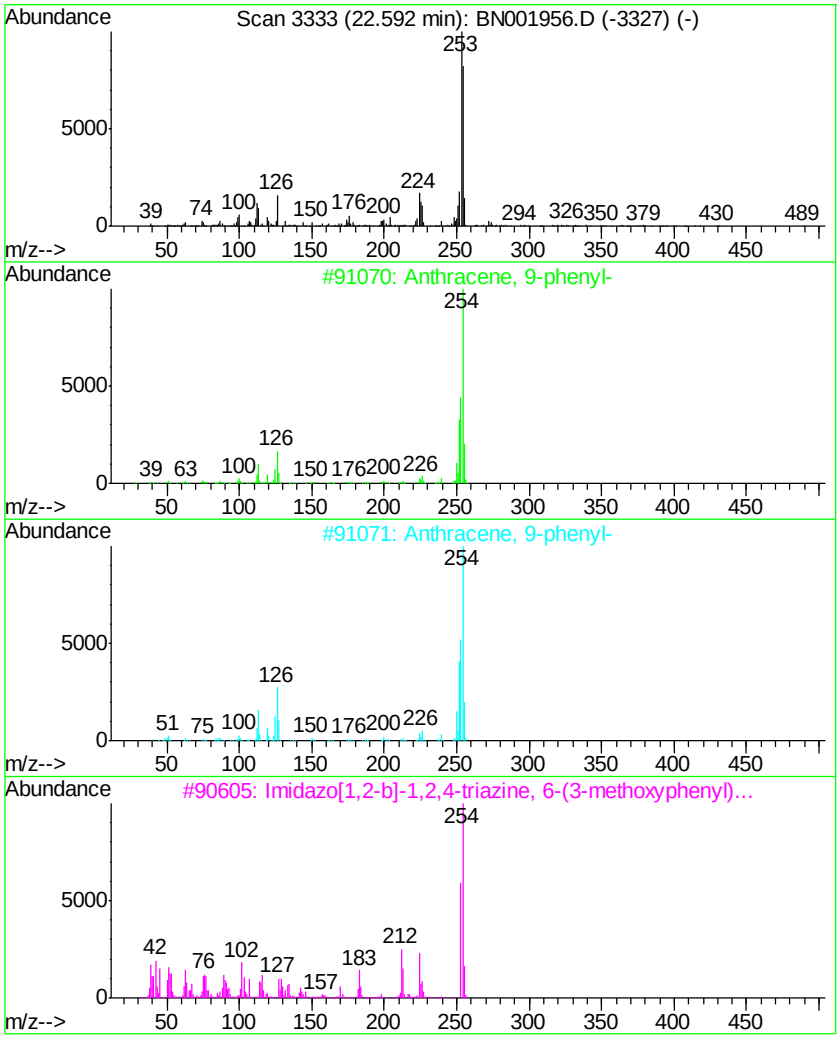
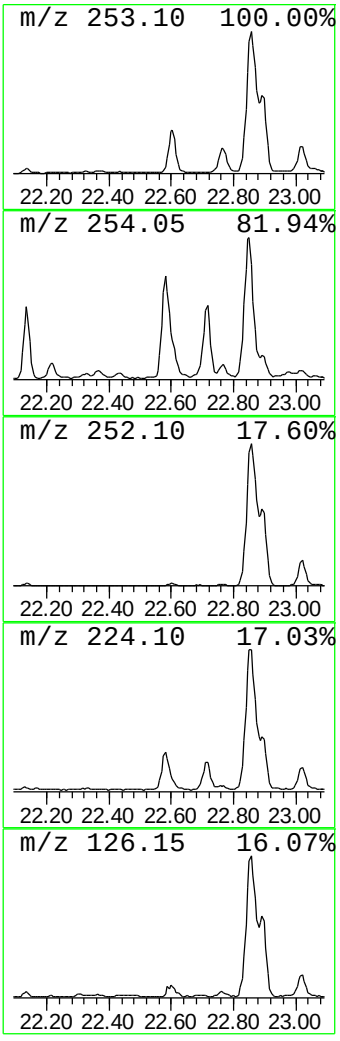
Peak Number 22 Anthracene, 9-phenyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.59	10.03 ng/ul	3135490	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	68
2	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	64
3	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	59
4	Benzenamine, 4,4'-methylenebis[N...	254	C17H22N2	000101-61-1	53
5	2,2'-Binaphthalene	254	C20H14	000612-78-2	49





Library Search Compound Report

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Acq On : 03 Jul 2018 22:35
Operator : JU/SJ
Sample : J3721-20 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H13

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

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

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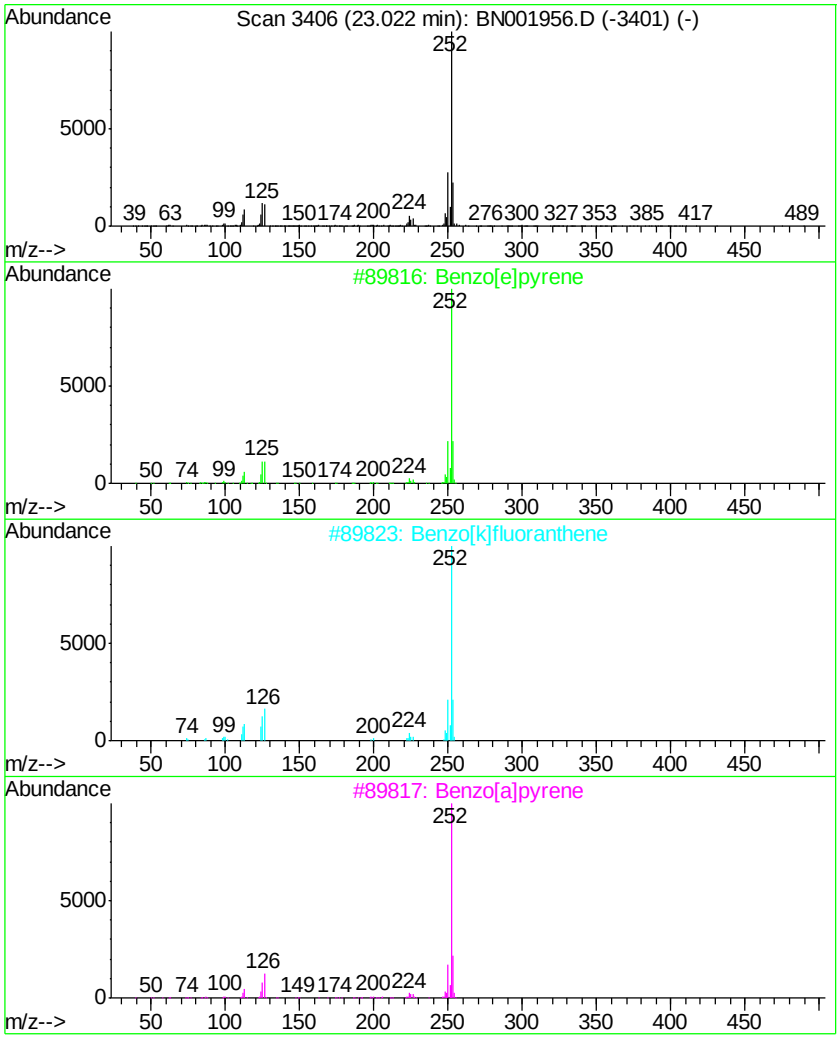
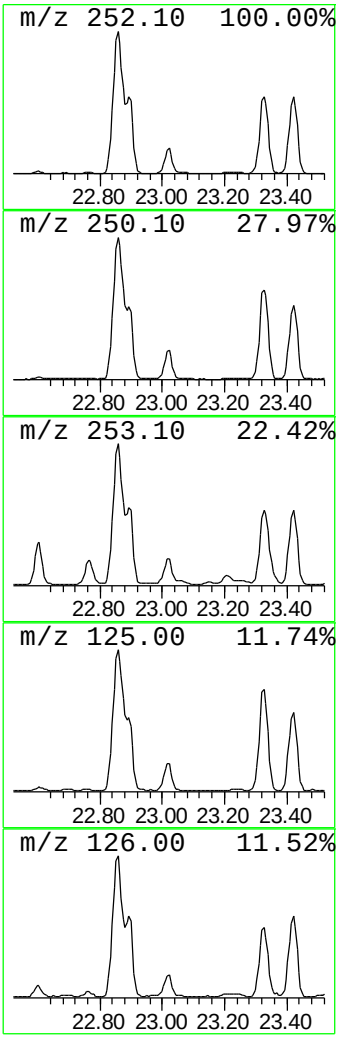
Peak Number 23 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.02	8.64 ng/ul	2699830	Perylene-d12	23.52

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





Library Search Compound Report

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Data File : BN001956.D
Acq On : 03 Jul 2018 22:35
Operator : JU/SJ
Sample : J3721-20 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H13

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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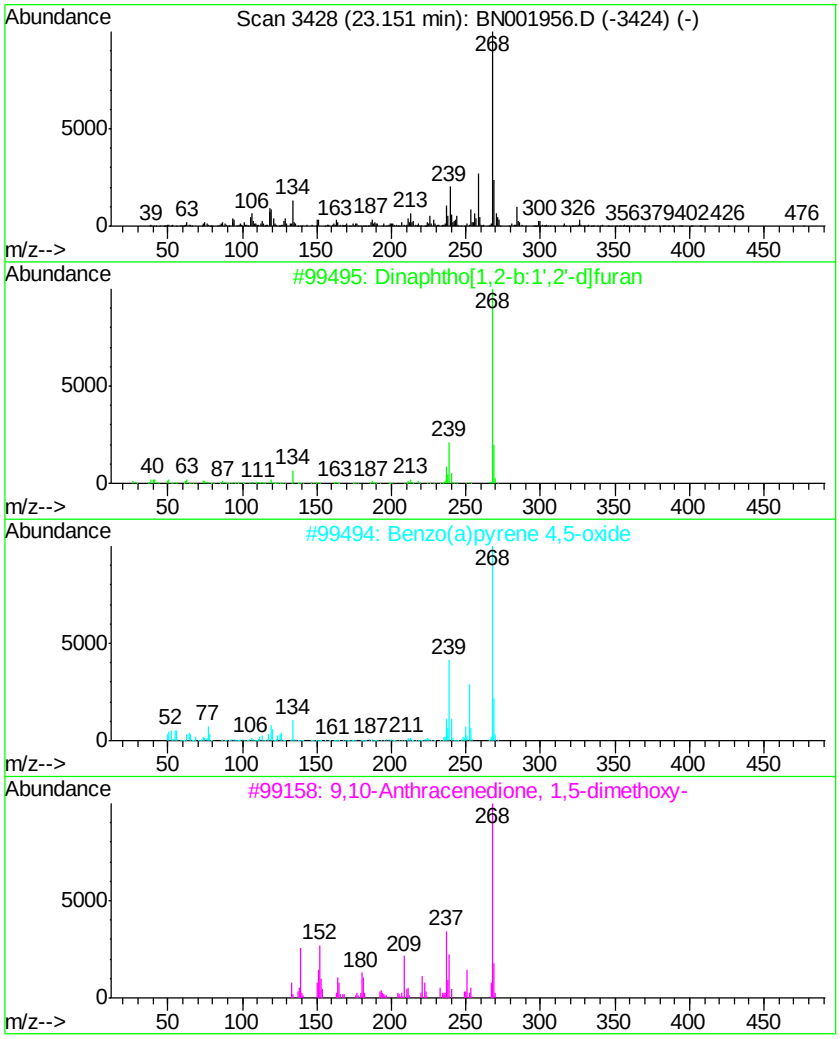
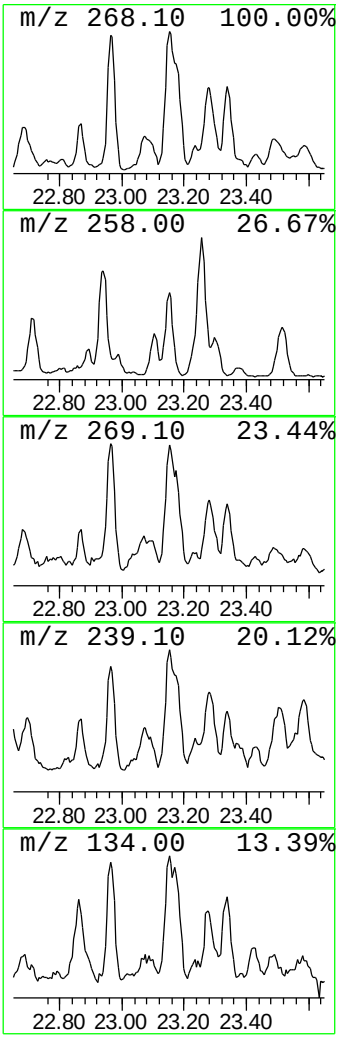
Peak Number 24 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.15	5.66 ng/ul	1769230	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	89
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	68
3	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53
4	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	50
5	1-Phenazinecarboxylic acid, 6-[1...	394	C23H26N2O4	123718-94-5	49





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Operator : JU/SJ
Sample : J3721-20 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H13

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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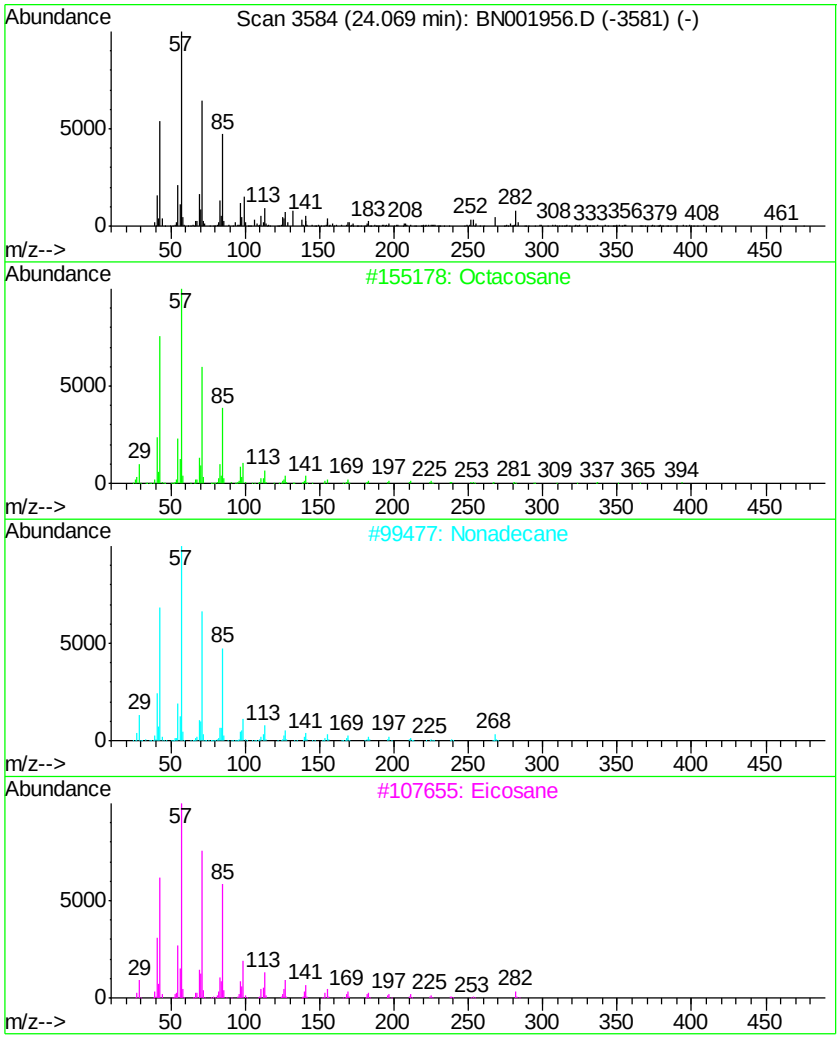
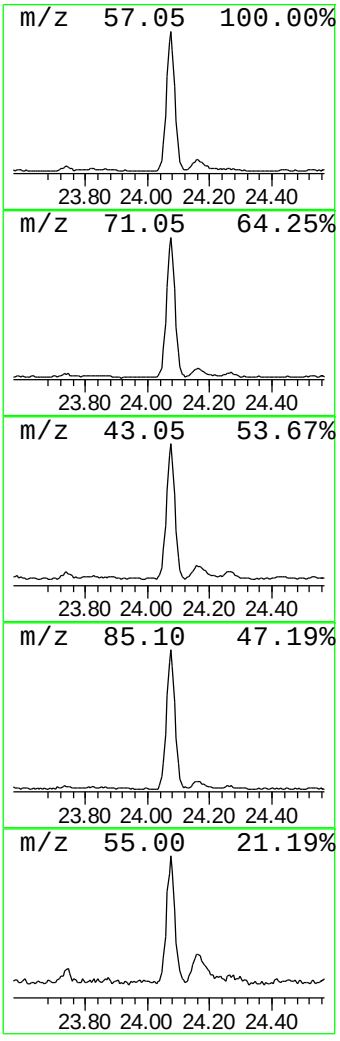
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.07	5.40 ng/ul	1687130	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	97
2	Nonadecane	268	C19H40	000629-92-5	93
3	Eicosane	282	C20H42	000112-95-8	93
4	Eicosane	282	C20H42	000112-95-8	90
5	Nonadecane	268	C19H40	000629-92-5	87





Tentatively Identified Compound (LSC) summary

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Data File : BN001956.D
Acq On : 03 Jul 2018 22:35
Operator : JU/SJ
Sample : J3721-20 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H13

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	6.2	ng/ul	1238590	1	7.71	3999210	20.0
1R-.alpha.-Pinene	6.42	4.0	ng/ul	806357	1	7.71	3999210	20.0
Caryophyllene	13.66	7.2	ng/ul	2837990	3	14.34	7848720	20.0
Naphthalene, 1,2,...	14.62	2.3	ng/ul	891233	3	14.34	7848720	20.0
Copaene	15.82	2.4	ng/ul	1050440	4	17.09	8723860	20.0
n-Hexadecanoic acid	17.99	3.0	ng/ul	1287580	4	17.09	8723860	20.0
4H-Cyclopenta[def...	18.15	2.1	ng/ul	903178	4	17.09	8723860	20.0
9,10-Anthracenedione	18.50	3.8	ng/ul	1673270	4	17.09	8723860	20.0
Cyclopenta(def)ph...	19.02	3.9	ng/ul	1704200	4	17.09	8723860	20.0
Pyrene, 1-methyl-	19.84	3.5	ng/ul	3685680	5	21.28	20872400	20.0
11H-Benzo[a]fluor...	20.76	2.9	ng/ul	3015730	5	21.28	20872400	20.0
Cinnamyl cinnamate	20.84	7.9	ng/ul	8281650	5	21.28	20872400	20.0
Benzo[b]naphtho[2...	20.93	3.3	ng/ul	3386580	5	21.28	20872400	20.0
Benzo[c]phenanthrene	20.96	2.0	ng/ul	2133160	5	21.28	20872400	20.0
Cyclopenta[cd]pyrene	21.00	3.8	ng/ul	3933400	5	21.28	20872400	20.0
Naphtho[2,1,8,7-k...	21.59	2.0	ng/ul	2143270	5	21.28	20872400	20.0
Triphenylene, 2-m...	21.83	2.5	ng/ul	2641520	5	21.28	20872400	20.0
Benz(A)anthracene...	21.89	2.7	ng/ul	2815050	5	21.28	20872400	20.0
Anthracene, 9-phe...	22.59	10.0	ng/ul	3135490	6	23.52	6252930	20.0
Benzo[e]pyrene	23.02	8.6	ng/ul	2699830	6	23.52	6252930	20.0
Dinaphtho[1,2-b:1...	23.15	5.7	ng/ul	1769230	6	23.52	6252930	20.0
(DEL) Alkane: Str...	24.07	5.4	ng/ul	1687130	6	23.52	6252930	20.0