LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005583.D
Acq On : 10 May 2019 01:10
Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

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-BN041919MA.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	3.905	152	156	163	rBV	142123	196119	2.46%	0.208%
2	5.287	386	391	404	rVB	172837	340218	4.27%	0.361%
3	5.622	443	448	461	rVB2	248216	539592	6.78%	0.573%
4	7.246	717	724	733	rVV2	350318	648637	8.15%	0.689%
5	7.334	733	739	746	rVB	93890	143598	1.80%	0.153%
6	7.587	775	782	795	rBV	1191646	1906848	23.95%	2.025%
7	8.116	863	872	883	rBV	791524	1335261	16.77%	1.418%
8	8.846	992	996	1005	rVV2	75748	150210	1.89%	0.160%
9	9.787	1146	1156	1162	rBV3	204398	492348	6.18%	0.523%
10	9.857	1162	1168	1172	rBV	172600	333086	4.18%	0.354%
11	10.352	1242	1252	1256	rBV	1729477	3082014	38.71%	3.273%
12	10.405	1256	1261	1272	rVV	4714575	7962134	100.00%	8.456%
13	10.516	1274	1280	1286	rVV2	76162	140198	1.76%	0.149%
14	11.387	1417	1428	1433	rBV5	53564	127006	1.60%	0.135%
15	11.746	1483	1489	1493	rBV2	67583	142630	1.79%	0.151%
16	11.793	1493	1497	1505	rVV3	96209	198234	2.49%	0.211%
17	11.869	1505	1510	1514	rVV3	51126	114365	1.44%	0.121%
18	12.016	1527	1535	1546	rBV	2837959	4769172	59.90%	5.065%
19	12.240	1562	1573	1583	rBV	1925315	3110760	39.07%	3.304%
20	13.051	1704	1711	1724	rBV2	563940	945549	11.88%	1.004%
21	13.246	1738	1744	1756	rVB	141670	357534	4.49%	0.380%
22	13.381	1760	1767	1768	rBV	460115	611865	7.68%	0.650%
23	13.540	1785	1794	1799	rBV	834819	1480618	18.60%	1.572%
24	13.598	1799	1804	1808	rVV	435688	611624	7.68%	0.650%
25	13.675	1813	1817	1823	rVV	544228	844826	10.61%	0.897%
26	13.781	1829	1835	1839	rBV	389352	638667	8.02%	0.678%
27	13.940	1852	1862	1874	rBV	1918147	3125212	39.25%	3.319%
28	14.140	1892	1896	1900	rBV	146491	186581	2.34%	0.198%
29	14.222	1900	1910	1917	rVV3	2395122	4158558	52.23%	4.417%
30	14.287	1917	1921	1924	rVV	220558	343653	4.32%	0.365%
31	14.316	1924	1926	1931	rVB	126261	161907	2.03%	0.172%
32	14.445	1942	1948	1956	rVB	75354	187787	2.36%	0.199%
33	14.628	1969	1979	1987	rBV2	274192	587177	7.37%	0.624%
34	14.710	1987	1993	1999	rVB	201661	278598	3.50%	0.296%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

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-BN041919MA.M
Title : SVOA CALIBRATION

35	14.840	2008	2015	2021	rBV3	276552	632363	7.94%	0.672%
36	14.904	2023	2026	2029	rVB	126342	144698	1.82%	0.154%
37	14.998	2038	2042	2044	rBV2	118648	168278	2.11%	0.179%
38	15.098	2055	2059	2066	rVB	426968	593723	7.46%	0.631%
39	15.181	2066	2073	2075	rBV4	62611	135095	1.70%	0.143%
40	15.222	2075	2080	2085	rVB2	338650	514041	6.46%	0.546%
41	15.281	2085	2090	2102	rVB	1255164	2103277	26.42%	2.234%
42	15.404	2108	2111	2114	rBV3	110147	123632	1.55%	0.131%
43	15.493	2121	2126	2135	rVB5	101618	265467	3.33%	0.282%
44	15.575	2135	2140	2144	rBV2	141342	238211	2.99%	0.253%
45	15.692	2156	2160	2164	rBV	245781	379642	4.77%	0.403%
46	15.728	2164	2166	2175	rVB3	110812	193608	2.43%	0.206%
47	15.963	2200	2206	2216	rBV	237935	445691	5.60%	0.473%
48	16.287	2254	2261	2266	rVV2	318848	740904	9.31%	0.787%
49	16.340	2266	2270	2275	rVV2	230603	371701	4.67%	0.395%
50	16.439	2282	2287	2292	rVV	199429	336767	4.23%	0.358%
51	16.563	2304	2308	2311	rVV3	102323	168806	2.12%	0.179%
52	16.645	2318	2322	2328	rVV2	111826	189853	2.38%	0.202%
53	16.716	2328	2334	2338	rVV4	57380	119436	1.50%	0.127%
54	16.763	2338	2342	2344	rVV2	122382	168379	2.11%	0.179%
55	16.798	2344	2348	2360	rVV	398698	651539	8.18%	0.692%
56	16.981	2372	2379	2383	rBV2	2794079	4294269	53.93%	4.561%
57	17.028	2383	2387	2392	rVV	4164188	5903194	74.14%	6.269%
58	17.081	2392	2396	2398	rVV	152669	260266	3.27%	0.276%
59	17.116	2398	2402	2408	rVV	1062340	1504037	18.89%	1.597%
60	17.175	2408	2412	2418	rVV2	105741	211154	2.65%	0.224%
61	17.504	2463	2468	2472	rBV2	232180	299089	3.76%	0.318%
62	17.563	2473	2478	2485	rVB2	225333	349914	4.39%	0.372%
63	17.710	2494	2503	2510	rVB2	149166	369157	4.64%	0.392%
64	17.857	2523	2528	2533	rBV	834807	1226914	15.41%	1.303%
65	17.910	2533	2537	2545	rVB	938247	1271088	15.96%	1.350%
66	17.992	2545	2551	2555	rBV	288386	427507	5.37%	0.454%
67	18.051	2555	2561	2565	rBV2	1186943	2070184	26.00%	2.199%
68	18.092	2565	2568	2577	rVB	613180	810318	10.18%	0.861%
69	18.198	2579	2586	2593	rBV4	84623	167505	2.10%	0.178%
70	18.369	2610	2615	2619	rBV	463390	630239	7.92%	0.669%
71	18.416	2619	2623	2633	rVB6	129110	274627	3.45%	0.292%

LSC Area Percent Report

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Acq On : 10 May 2019 01:10
Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Title : SVOA CALIBRATION

72	18.669	2662	2666	2670	rBV	116393	136183	1.71%	0.145%
73	18.710	2670	2673	2678	rVB2	102190	130566	1.64%	0.139%
74	18.792	2678	2687	2691	rBV2	474604	796183	10.00%	0.846%
75	18.851	2691	2697	2700	rVV4	239822	499250	6.27%	0.530%
76	18.886	2700	2703	2707	rVB	212932	246639	3.10%	0.262%
77	18.933	2707	2711	2719	rBV2	152514	382472	4.80%	0.406%
78	19.057	2725	2732	2739	rBV	2136318	2837039	35.63%	3.013%
79	19.128	2740	2744	2747	rVV	86351	128064	1.61%	0.136%
80	19.210	2753	2758	2764	rVB	671110	890271	11.18%	0.946%
81	19.328	2776	2778	2784	rVB	132149	183223	2.30%	0.195%
82	19.422	2785	2794	2804	rBV	2769920	4264415	53.56%	4.529%
83	19.510	2805	2809	2814	rVB3	93774	151159	1.90%	0.161%
84	19.757	2846	2851	2860	rVV2	228299	493105	6.19%	0.524%
85	19.898	2869	2875	2877	rBV3	228076	392300	4.93%	0.417%
86	19.928	2877	2880	2885	rVB	478718	666552	8.37%	0.708%
87	20.033	2893	2898	2904	rVB2	425189	546256	6.86%	0.580%
88	20.092	2904	2908	2911	rBV	294597	379492	4.77%	0.403%
89	20.228	2928	2931	2935	rBV2	199573	249195	3.13%	0.265%
90	20.275	2935	2939	2945	rVB	280503	415201	5.21%	0.441%
91	20.857	3035	3038	3041	rVB	116060	130326	1.64%	0.138%
92	20.892	3041	3044	3047	rBV	196789	200249	2.52%	0.213%
93	20.933	3048	3051	3054	rBV	90843	119779	1.50%	0.127%
94	21.216	3091	3099	3102	rBV3	2648955	4784560	60.09%	5.081%
95	21.251	3102	3105	3112	rVB	789433	1071561	13.46%	1.138%
96	21.427	3132	3135	3140	rBV2	110086	144625	1.82%	0.154%
97	22.769	3359	3363	3375	rBV	351118	938038	11.78%	0.996%
98	23.227	3438	3441	3446	rVB	228770	374689	4.71%	0.398%
99	23.327	3453	3458	3464	rVB	479917	839452	10.54%	0.892%
100	23.421	3468	3474	3480	rVV	1504887	2759481	34.66%	2.931%

Sum of corrected areas: 94157484

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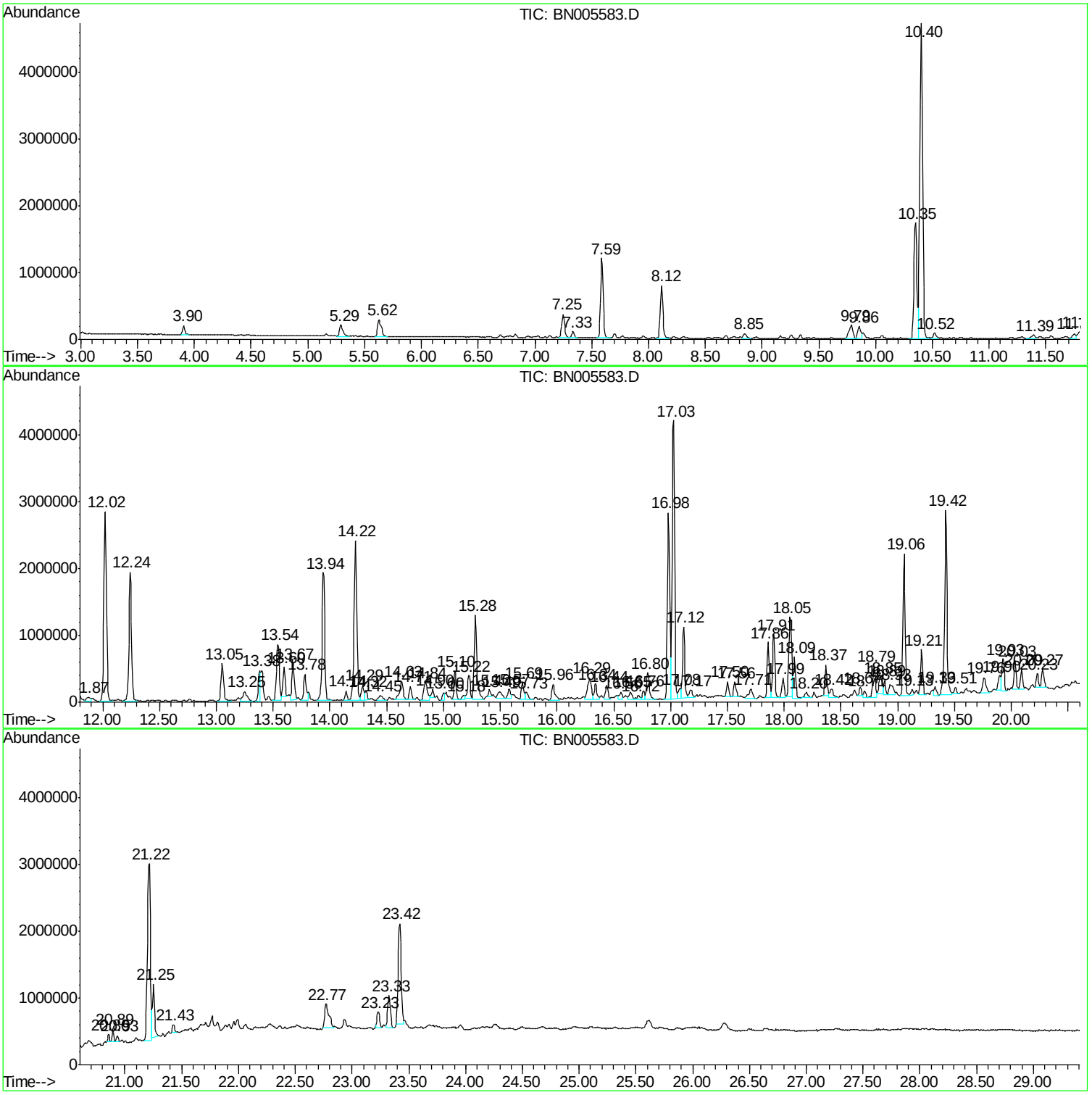
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Acq On : 10 May 2019 01:10
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ClientSampleId : GAJ67DL

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Quant Title : SVOA CALIBRATION

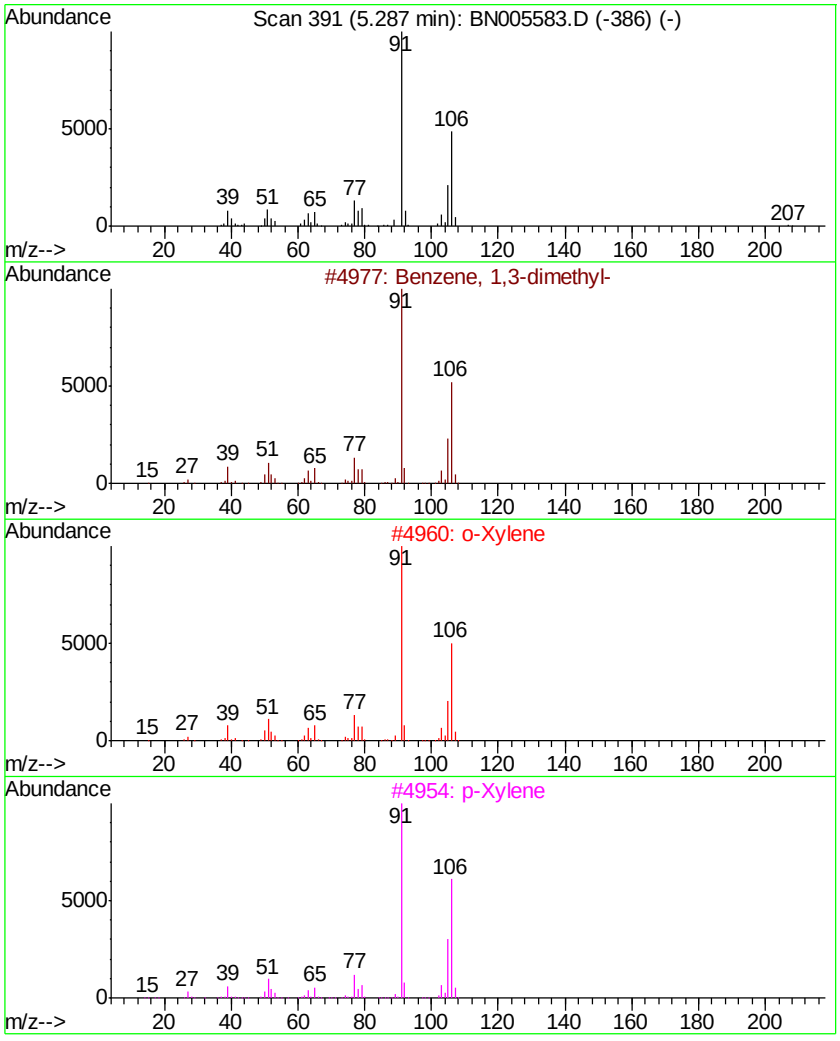
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

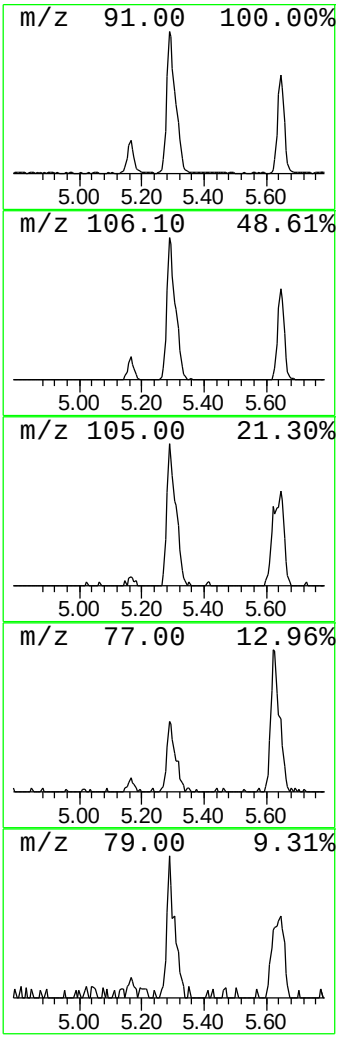
****

Peak Number 2 Benzene, 1,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.29	3.57 ng/ul	340218	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	o-Xylene	106	C8H10	000095-47-6	97
3	p-Xylene	106	C8H10	000106-42-3	95
4	p-Xylene	106	C8H10	000106-42-3	95
5	o-Xylene	106	C8H10	000095-47-6	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005583.D
Acq On : 10 May 2019 01:10
Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

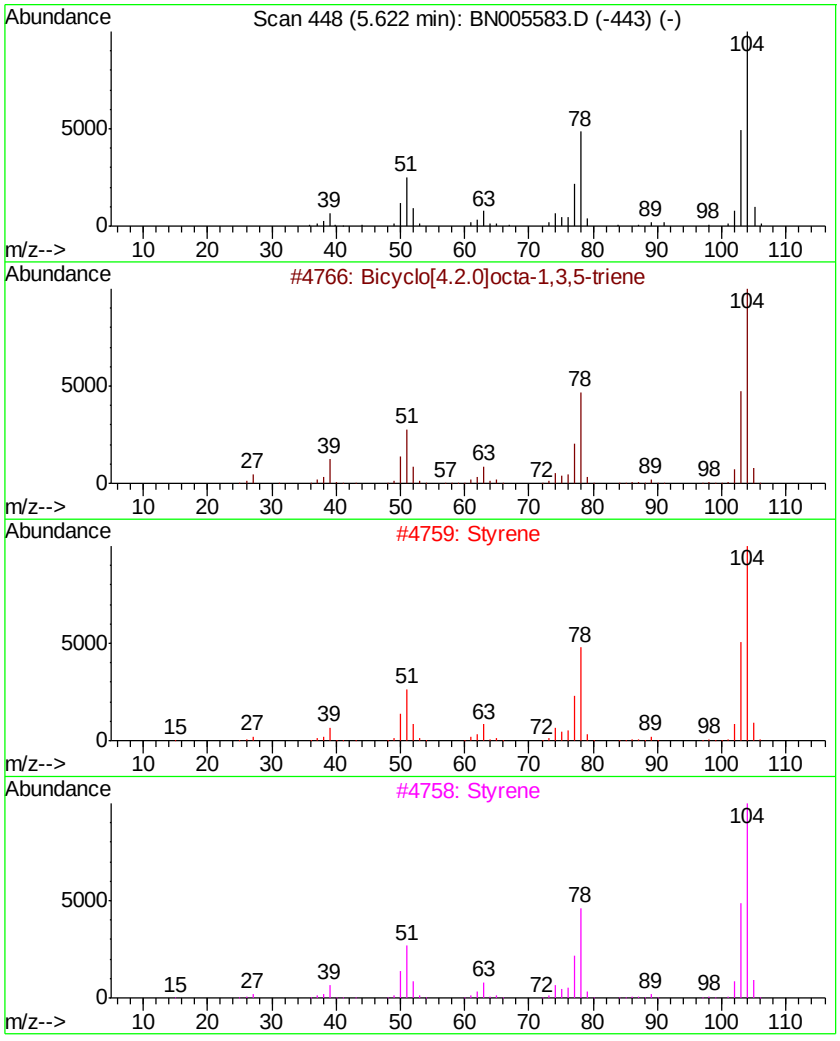
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

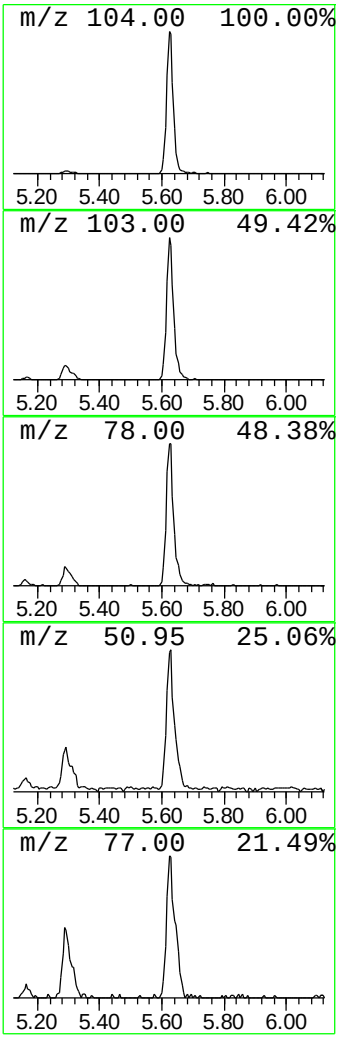
****

Peak Number 3 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.62	5.66 ng/ul	539592	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	96
2	Styrene	104	C8H8	000100-42-5	96
3	Styrene	104	C8H8	000100-42-5	96
4	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	96
5	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	95





Library Search Compound Report

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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

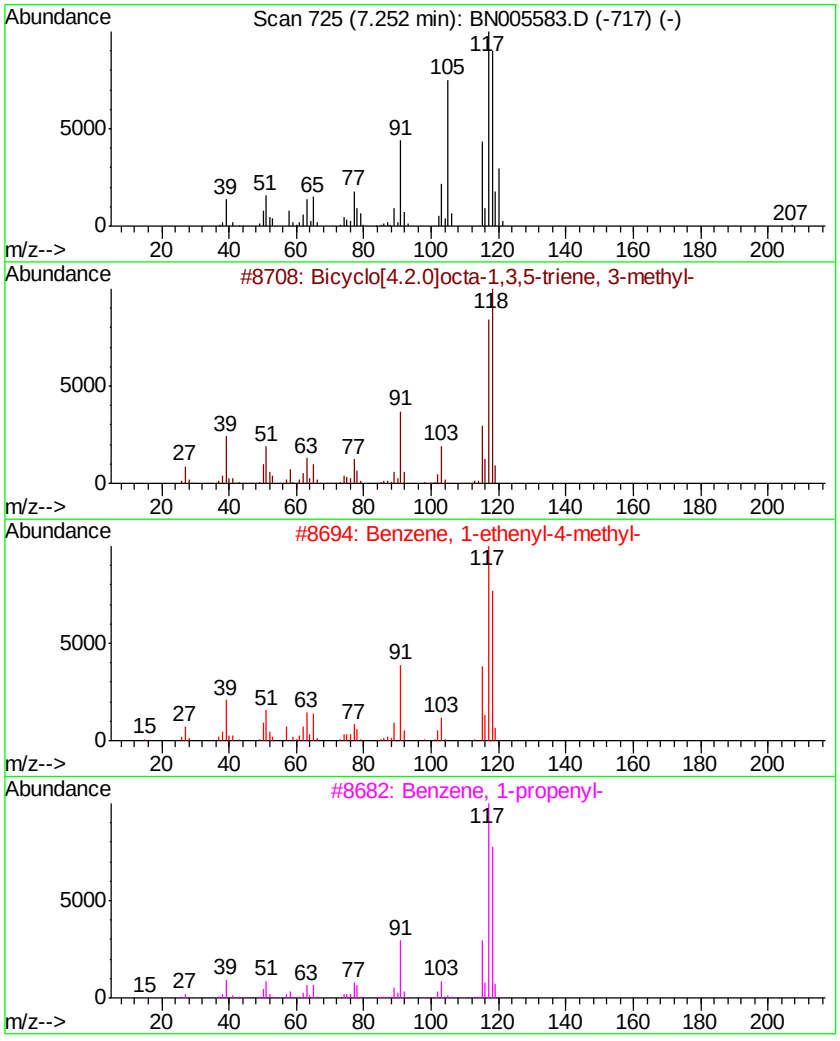
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

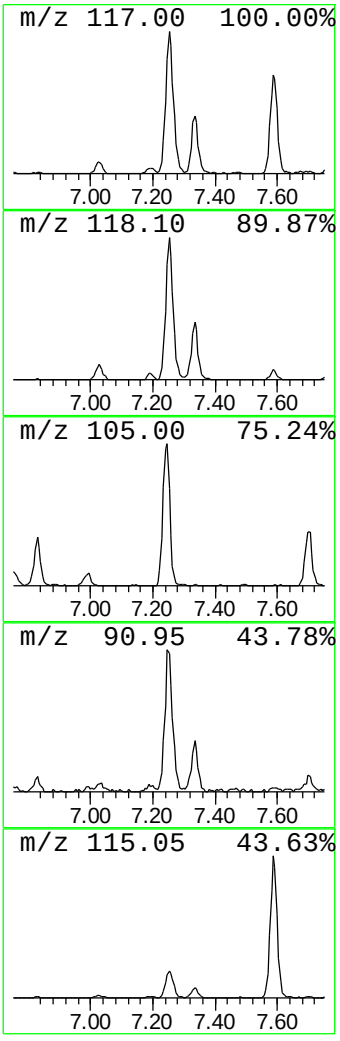
****

Peak Number 4 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	6.80 ng/ul	648637	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	90
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	87
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	50
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	50
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	46





Library Search Compound Report

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ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

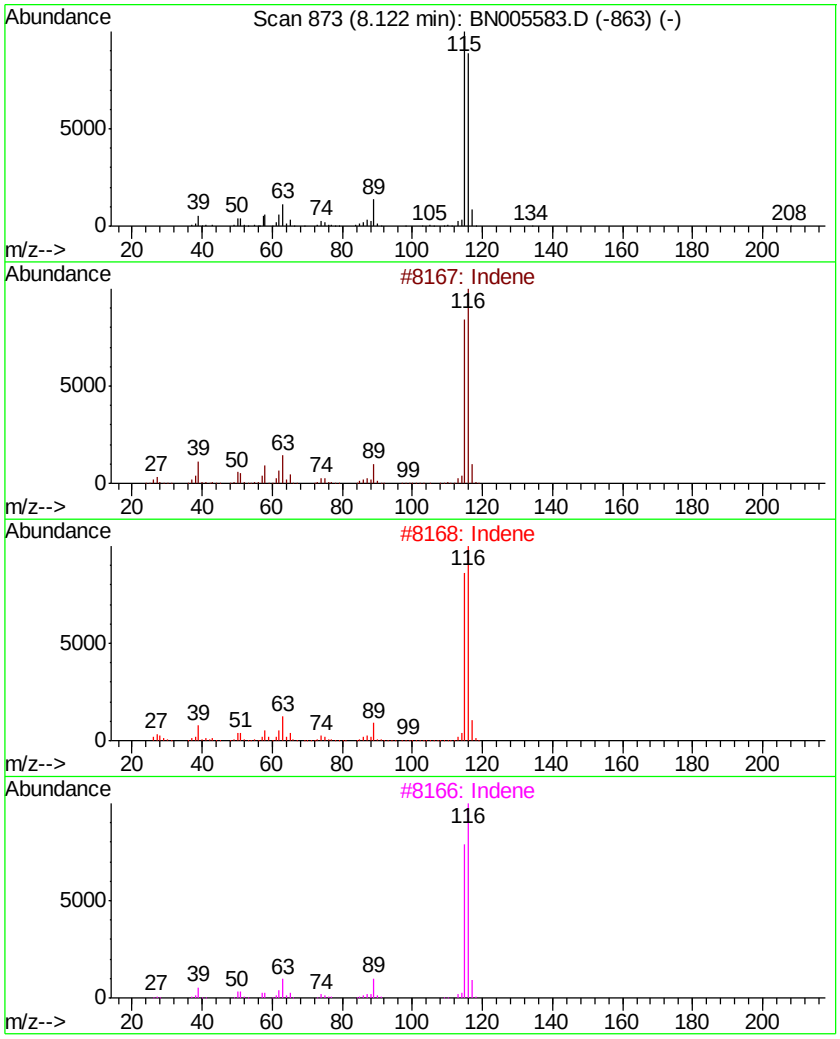
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

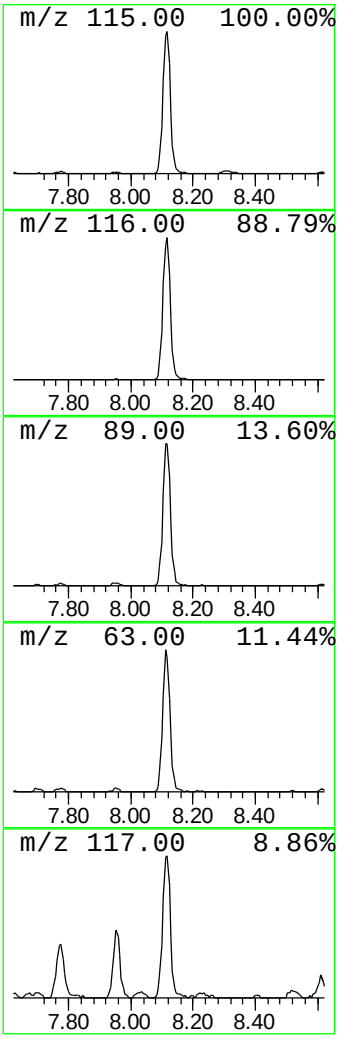
****

Peak Number 5 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	14.00 ng/ul	1335260	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	95
3	Indene	116	C9H8	000095-13-6	94
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

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Data File : BN005583.D
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Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

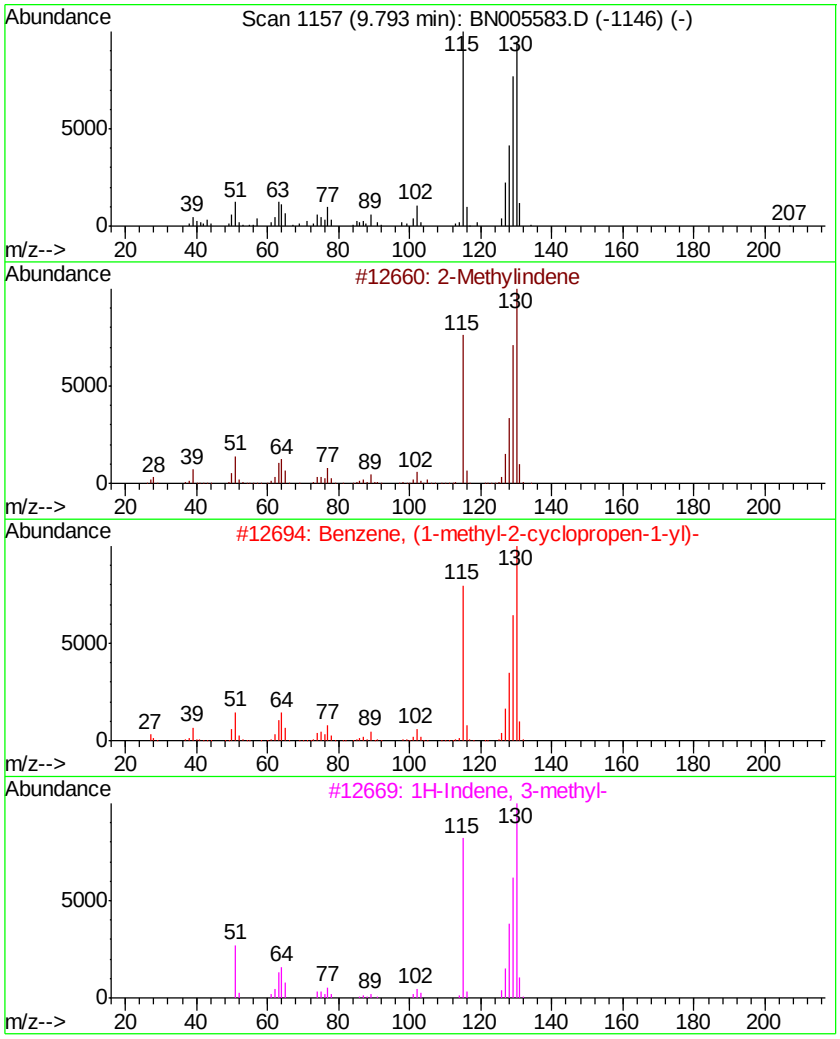
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

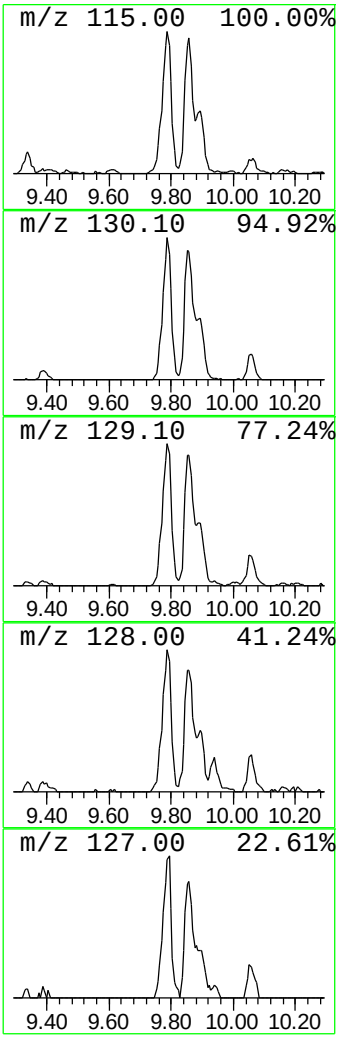
****

Peak Number 6 2-Methylindene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	3.19 ng/ul	492348	Naphthalene-d8	10.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
3	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	95
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95





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Acq On : 10 May 2019 01:10
Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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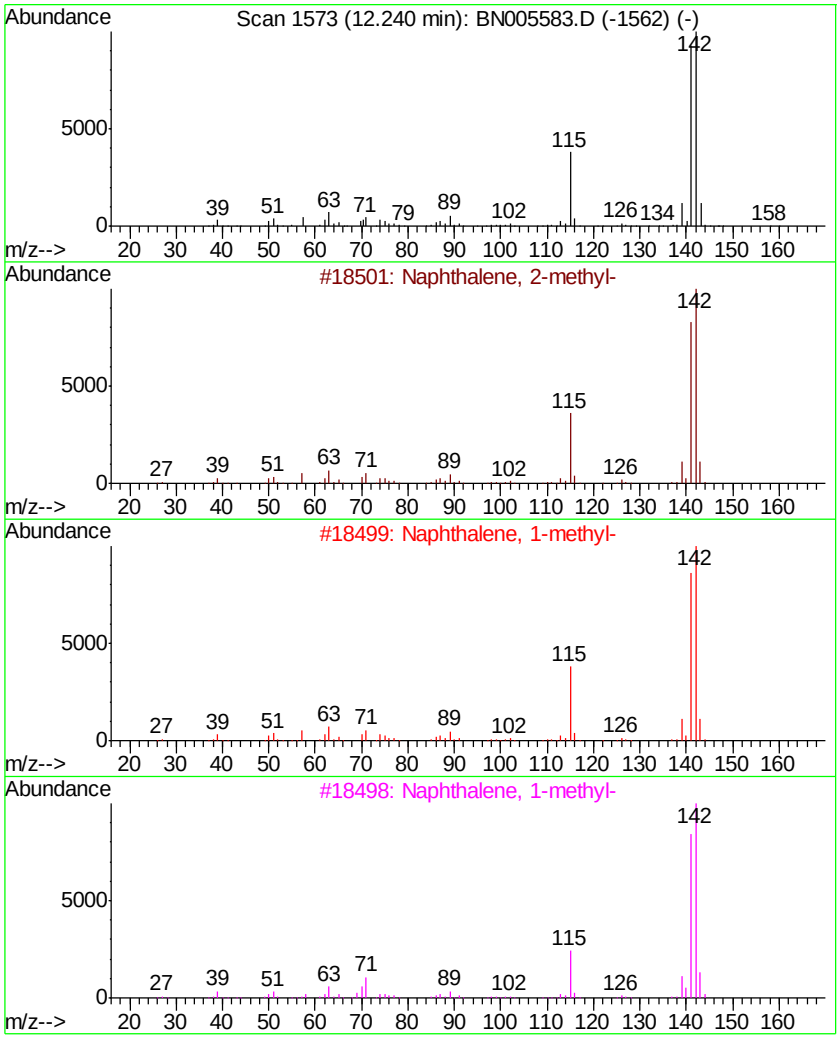
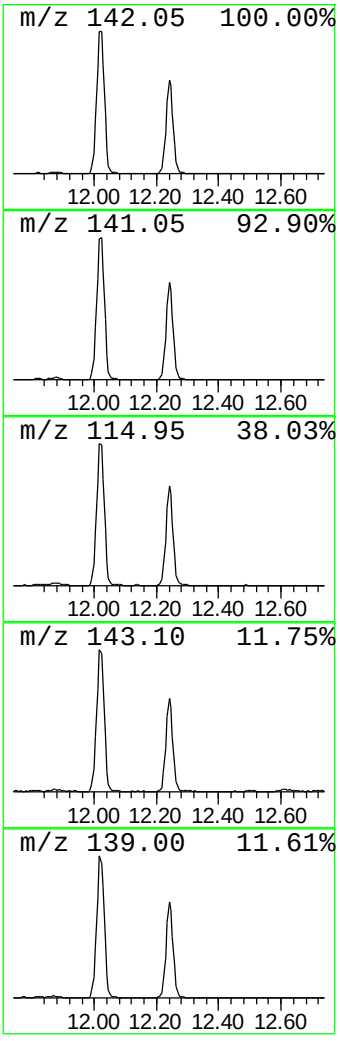
Peak Number 8 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	20.19 ng/ul	3110760	Naphthalene-d8	10.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





Library Search Compound Report

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Acq On : 10 May 2019 01:10
Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

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Quant Title : SVOA CALIBRATION

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

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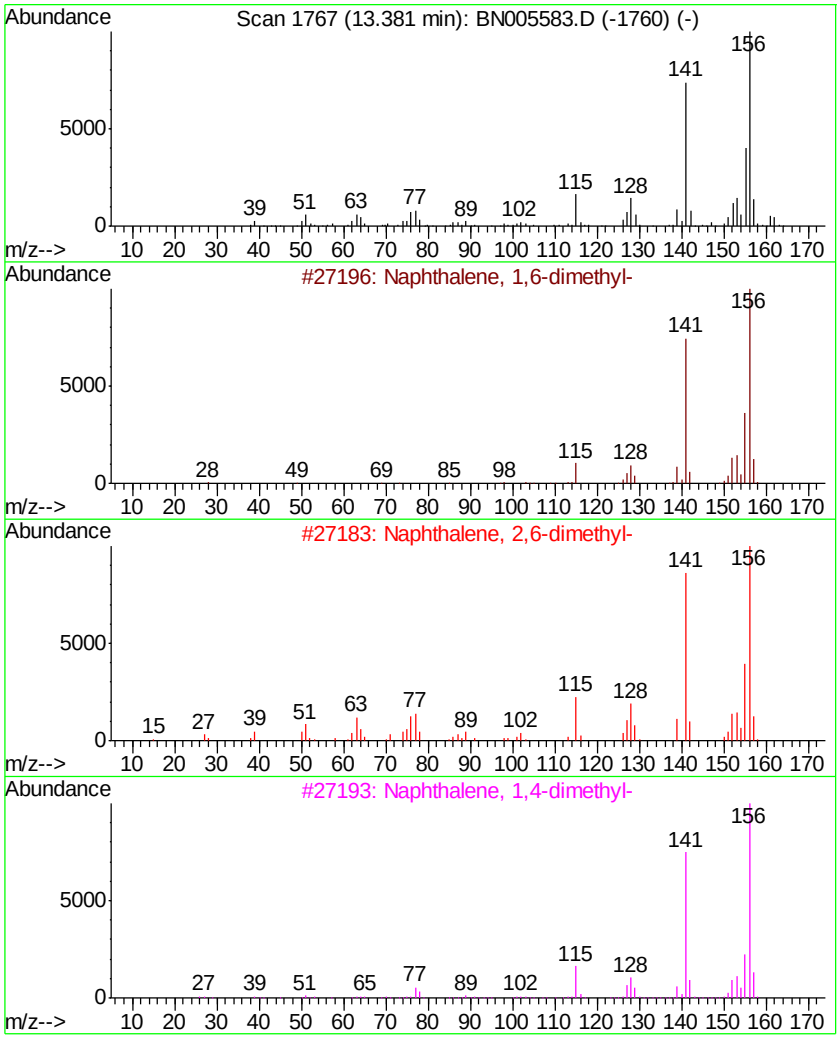
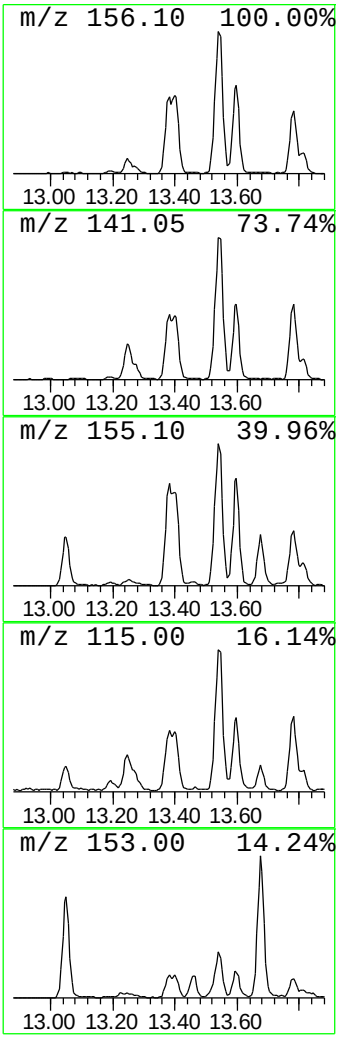
Peak Number 9 Naphthalene, 1,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.94 ng/ul	611865	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





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Acq On : 10 May 2019 01:10
Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

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Quant Title : SVOA CALIBRATION

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

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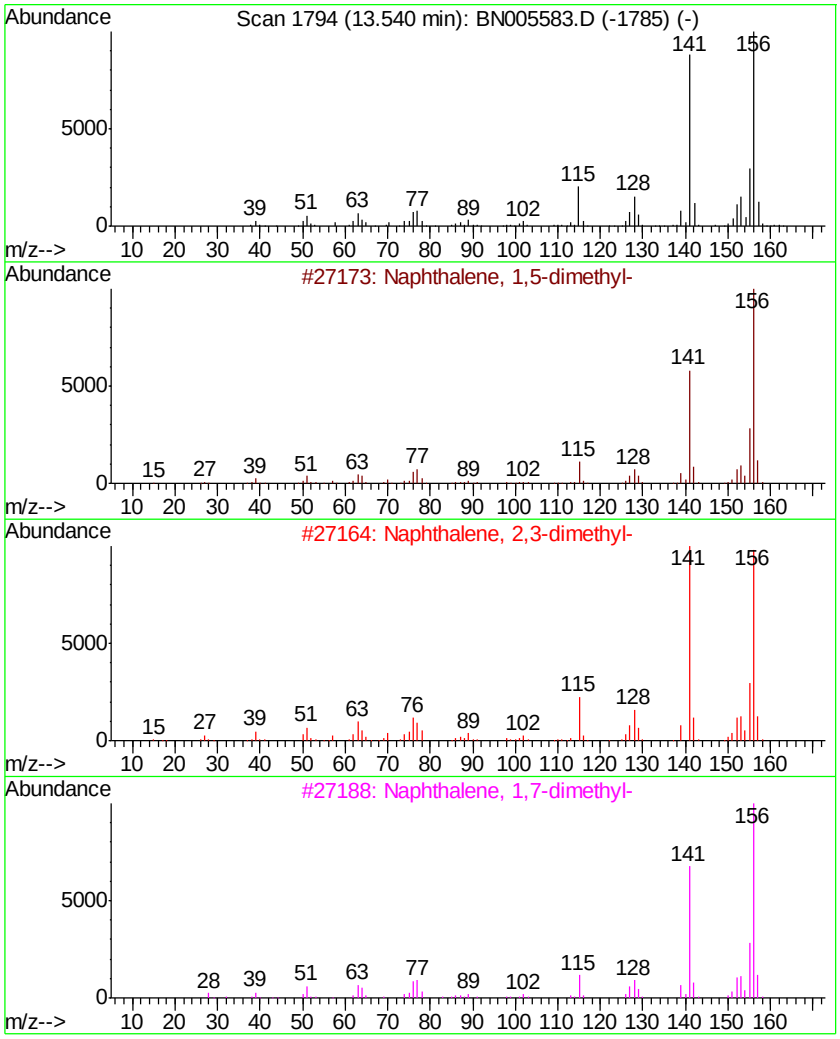
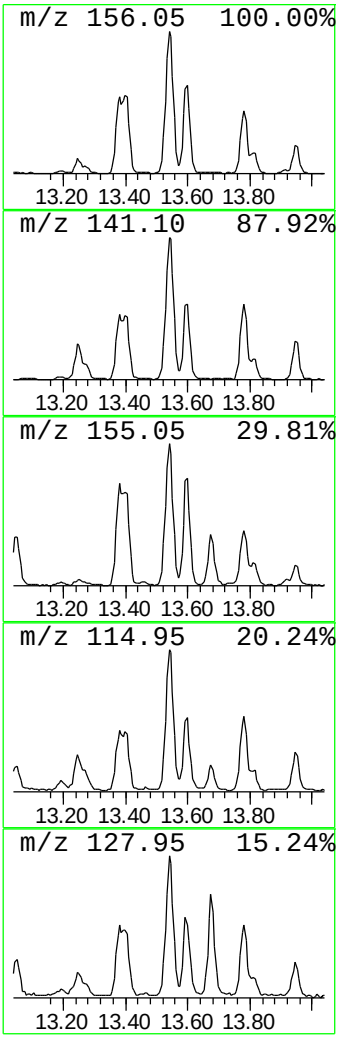
Peak Number 10 Naphthalene, 1,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	7.12 ng/ul	1480620	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Library Search Compound Report

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Acq On : 10 May 2019 01:10
Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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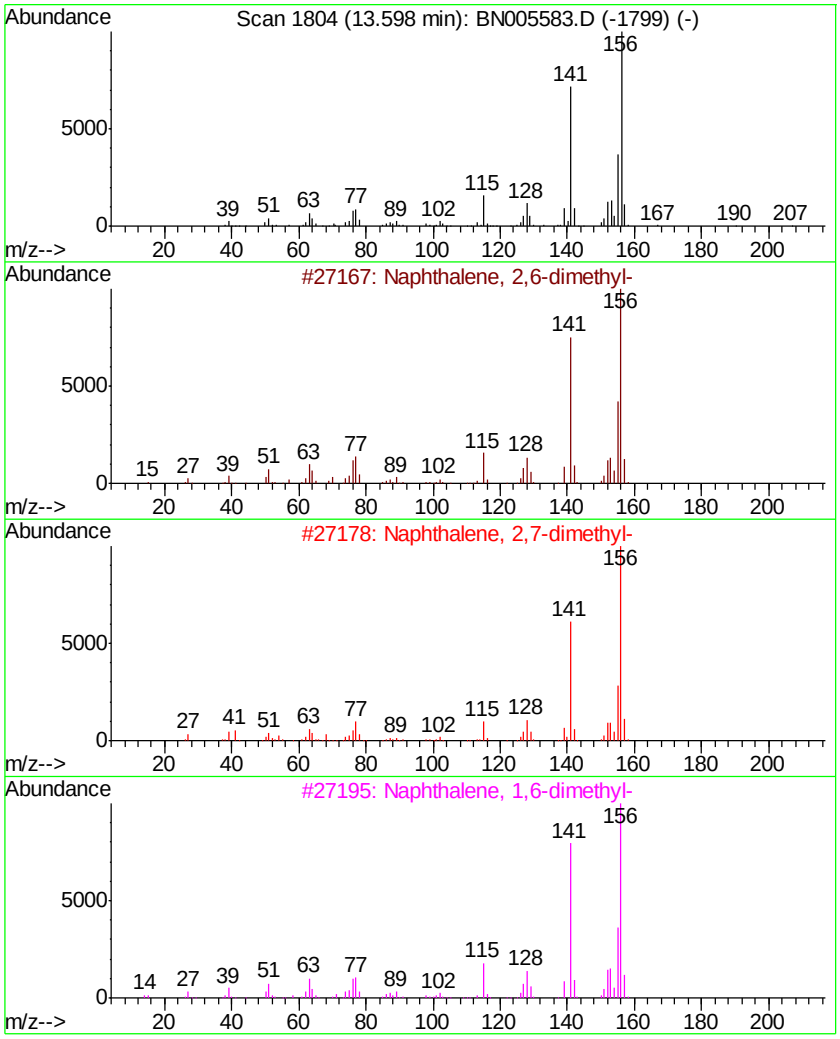
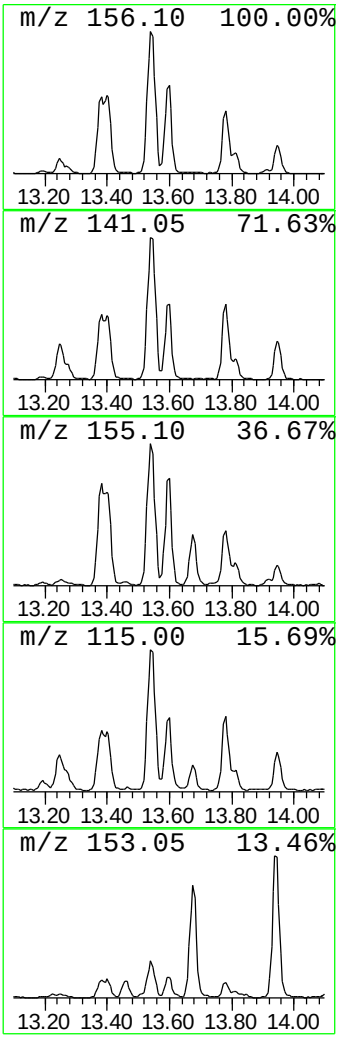
Peak Number 11 Naphthalene, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	2.94 ng/ul	611624	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





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Acq On : 10 May 2019 01:10
Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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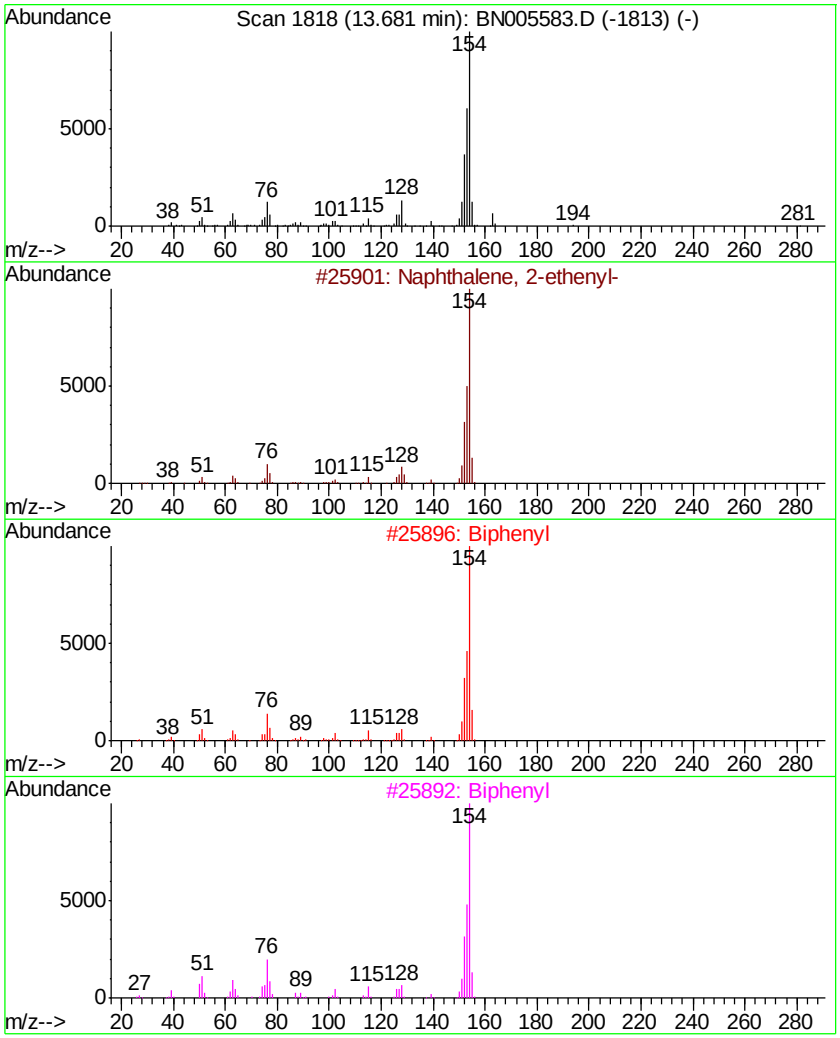
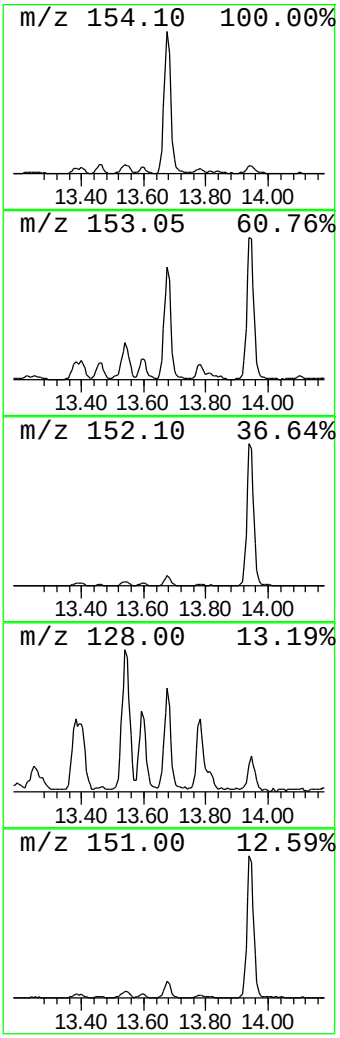
Peak Number 12 Naphthalene, 2-ethenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	4.06 ng/ul	844826	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	96
2	Biphenyl	154	C12H10	000092-52-4	93
3	Biphenyl	154	C12H10	000092-52-4	83
4	Acenaphthene	154	C12H10	000083-32-9	81
5	Acenaphthene	154	C12H10	000083-32-9	81





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Acq On : 10 May 2019 01:10
Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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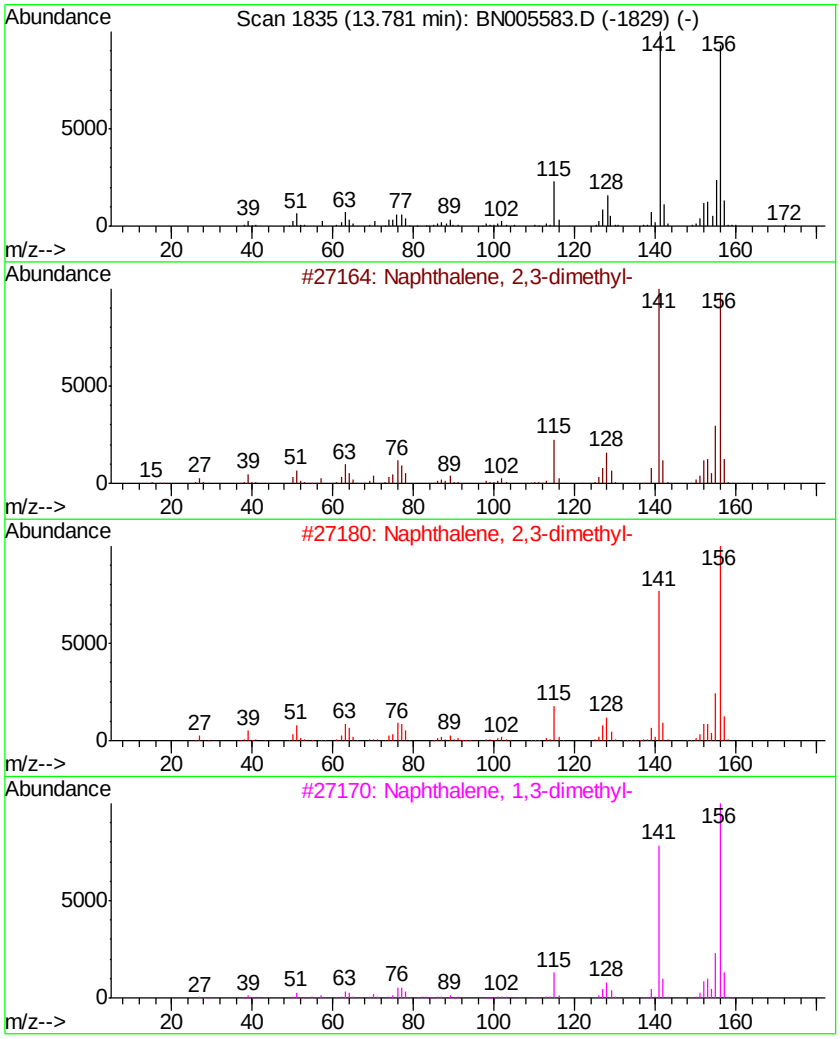
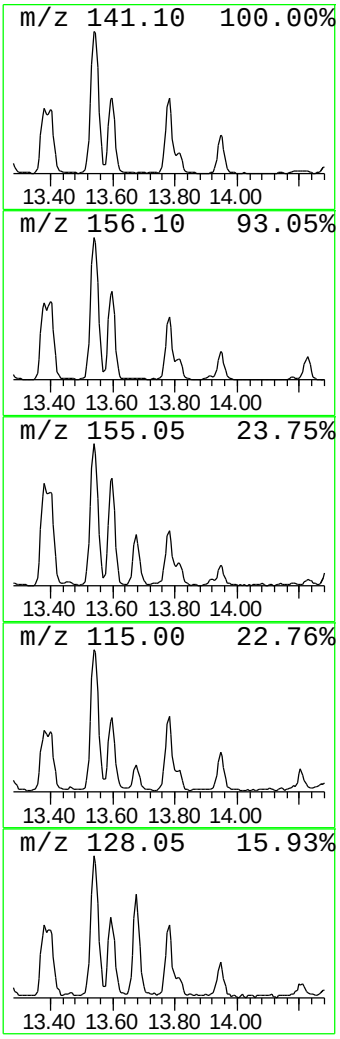
Peak Number 13 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	3.07 ng/ul	638667	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





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Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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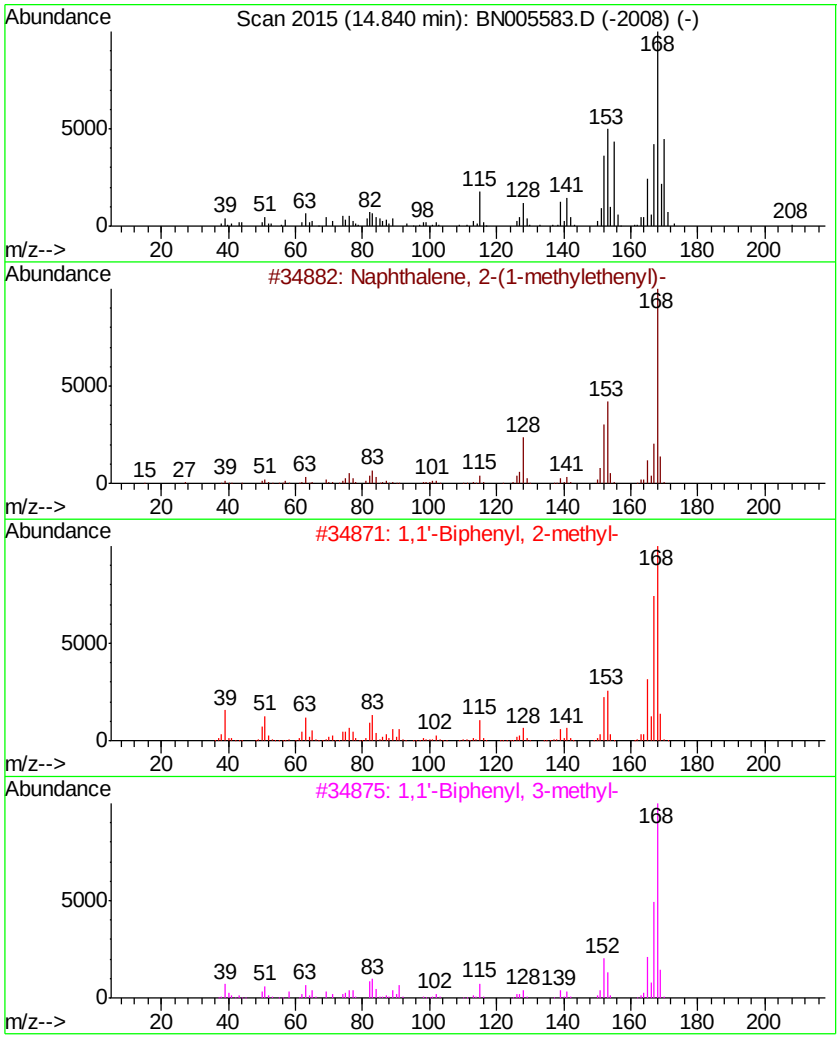
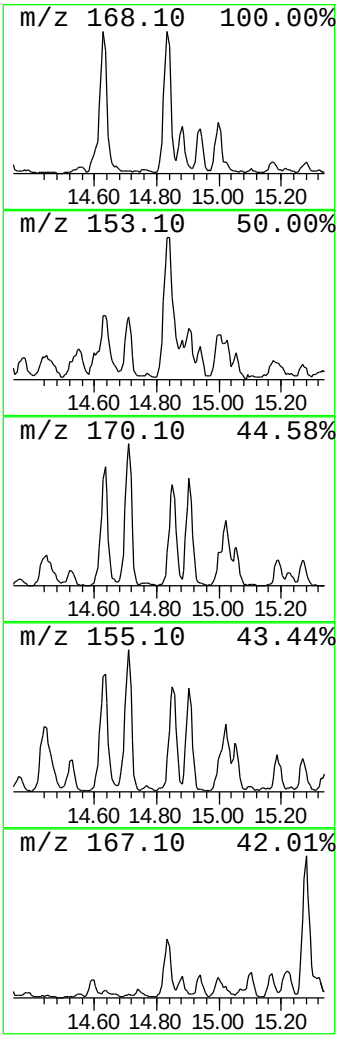
Peak Number 14 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	3.04 ng/ul	632363	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	47
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	38
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	38
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	30
5	Benzo[b]thiophene, 3-chloro-	168	C8H5ClS	007342-86-1	27





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Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

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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 1H-Phenalene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	2.86 ng/ul	593723	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	64
2	Fluorene, 9-chloro-	200	C13H9Cl	006630-65-5	50
3	Fluorene	166	C13H10	000086-73-7	47
4	Fluorene-9-methanol	196	C14H12O	024324-17-2	45
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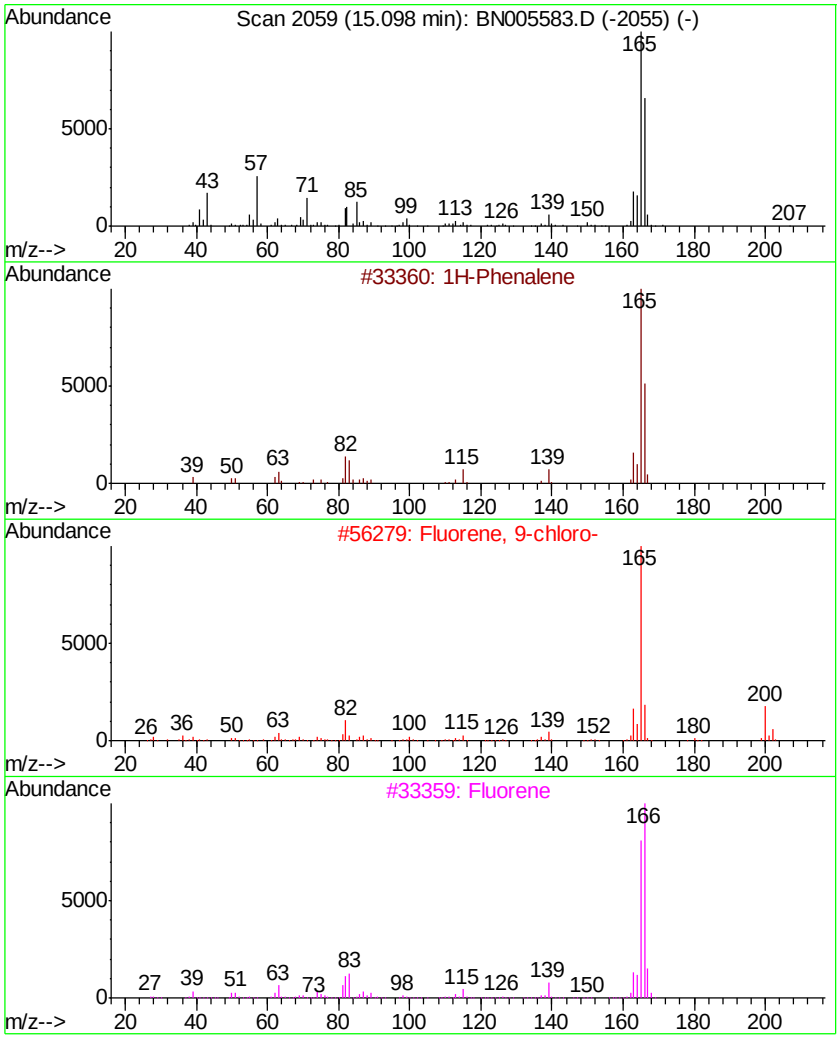

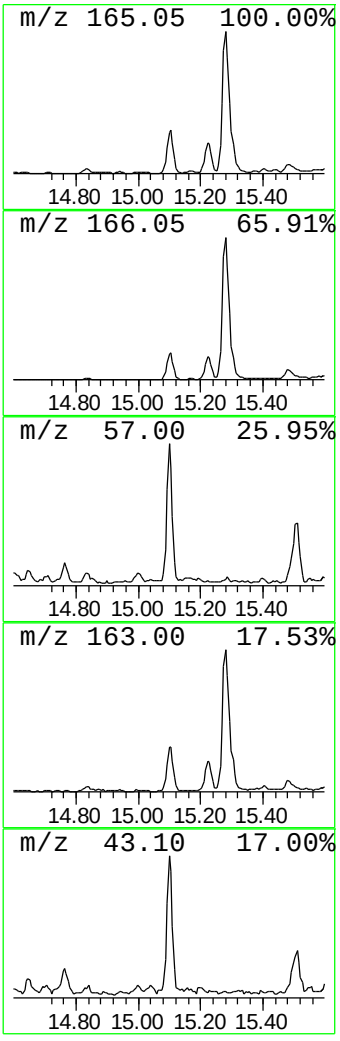

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Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

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Quant Title : SVOA CALIBRATION

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

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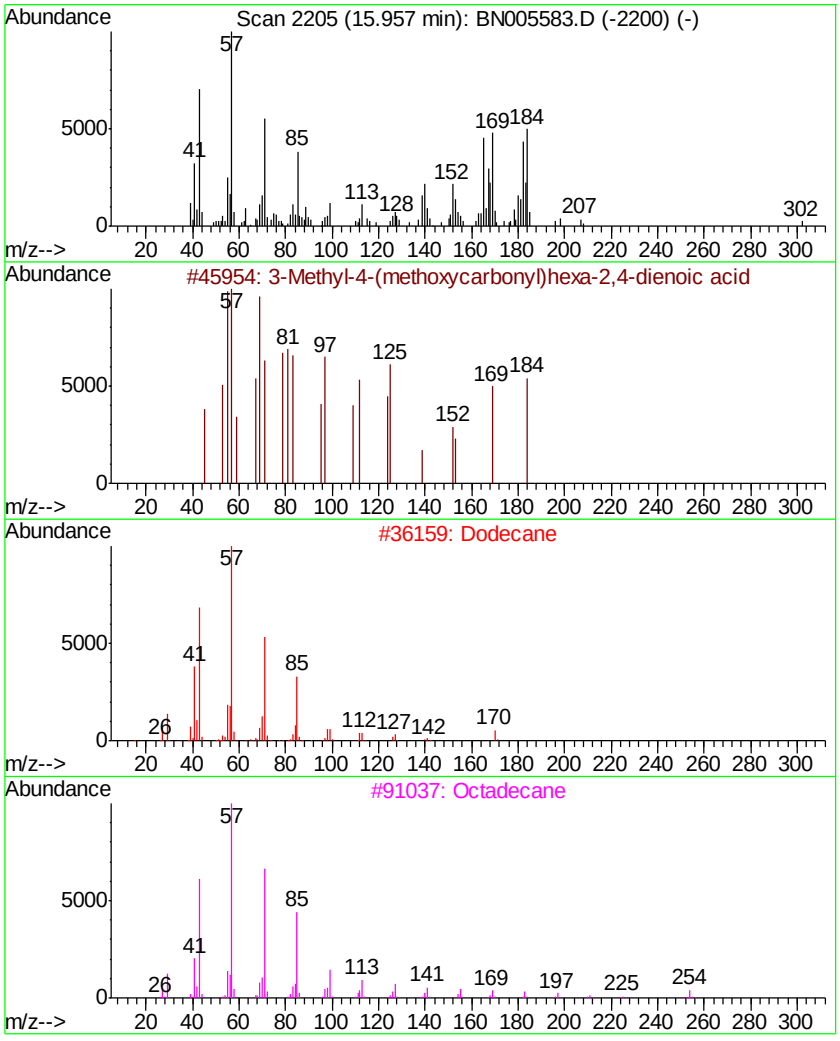
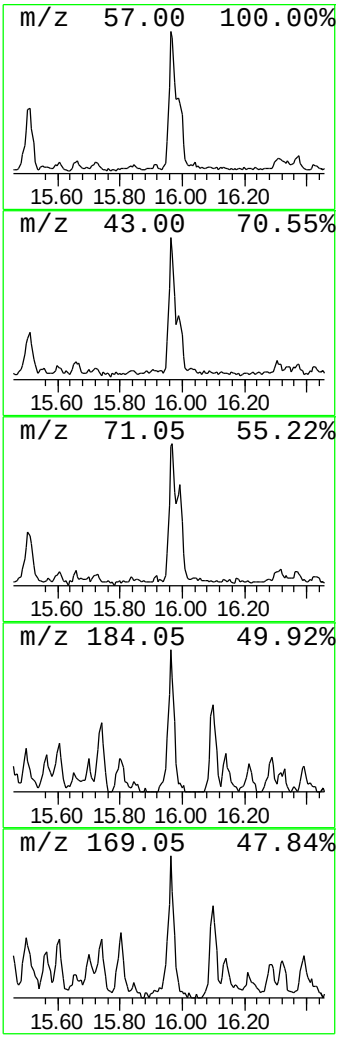
Peak Number 17 3-Methyl-4-(methoxycarbonyl... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	2.08 ng/ul	445691	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	60
2	Dodecane	170	C12H26	000112-40-3	38
3	Octadecane	254	C18H38	000593-45-3	30
4	Nonacosane	408	C29H60	000630-03-5	25
5	Dodecane	170	C12H26	000112-40-3	25





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Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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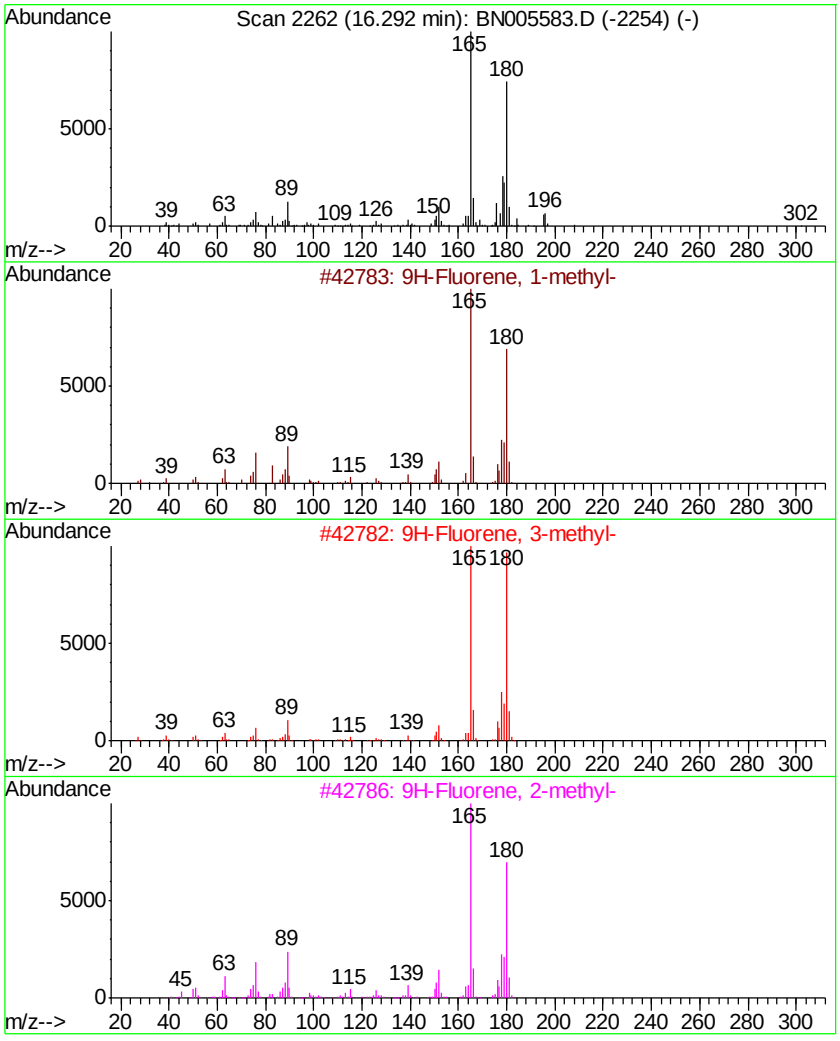
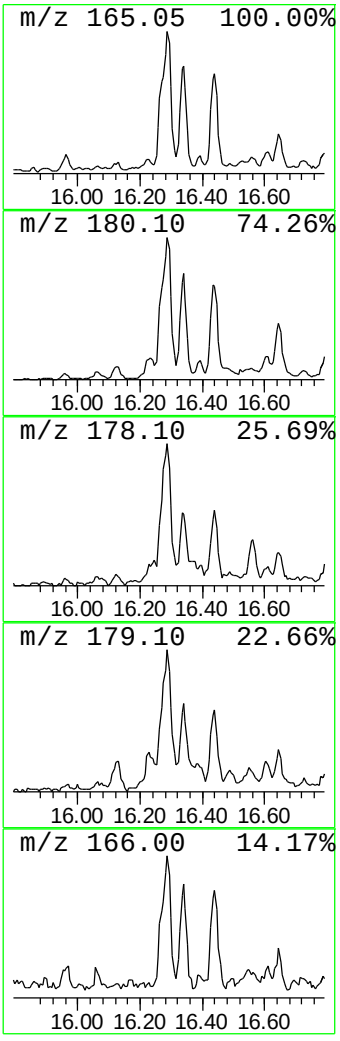
Peak Number 18 9H-Fluorene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	3.45 ng/ul	740904	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	93
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90





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Acq On : 10 May 2019 01:10
Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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Peak Number 19 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	3.03 ng/ul	651539	Phenanthrene-d10	16.98

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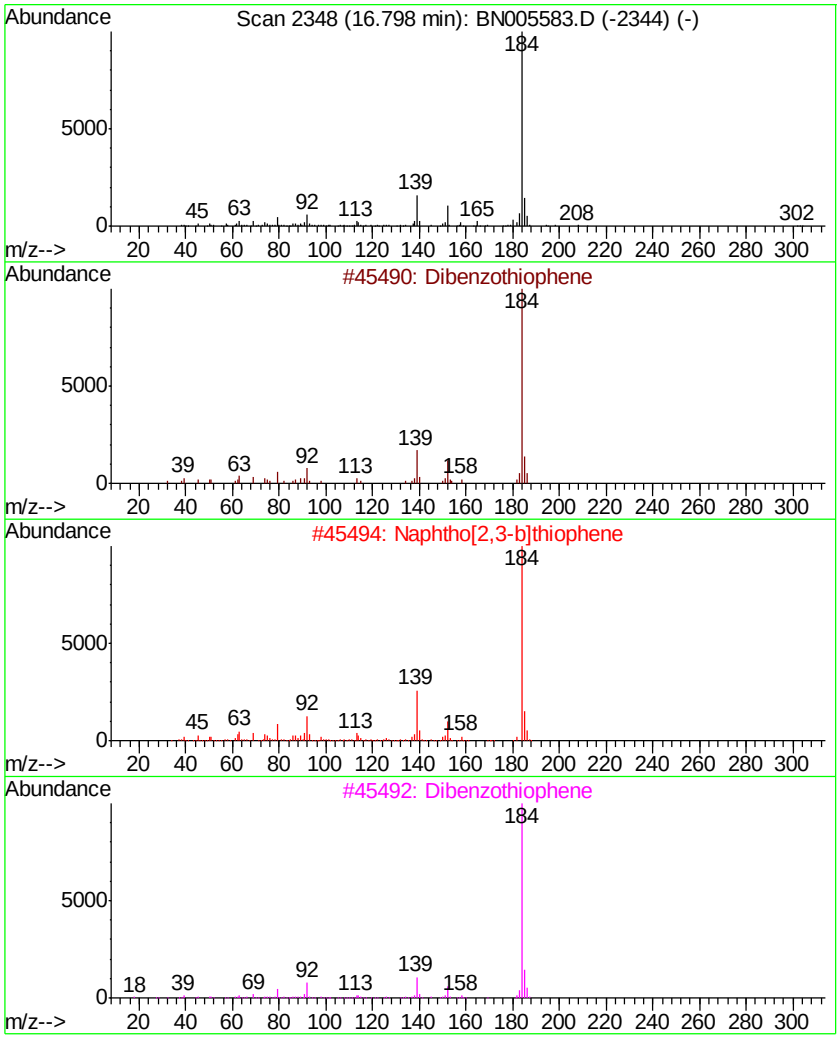
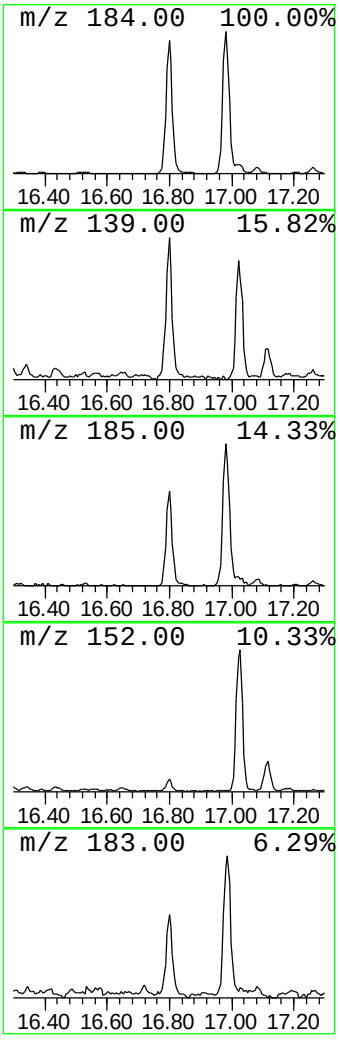
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





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Acq On : 10 May 2019 01:10
Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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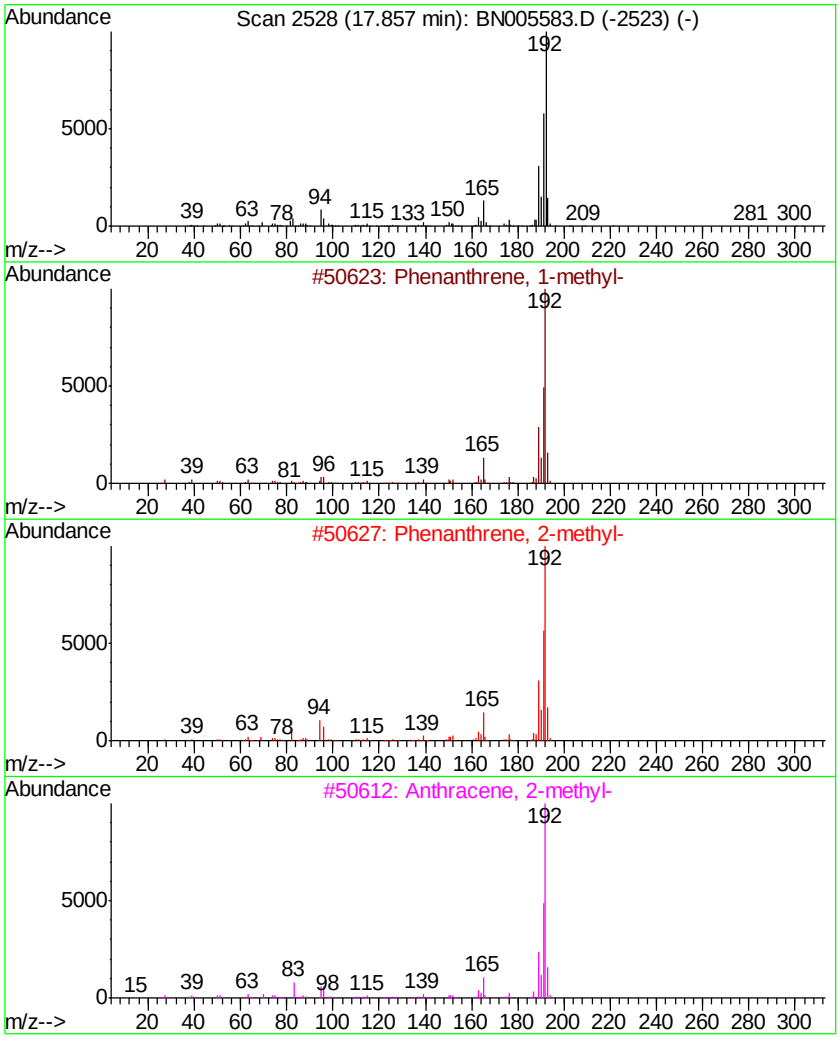
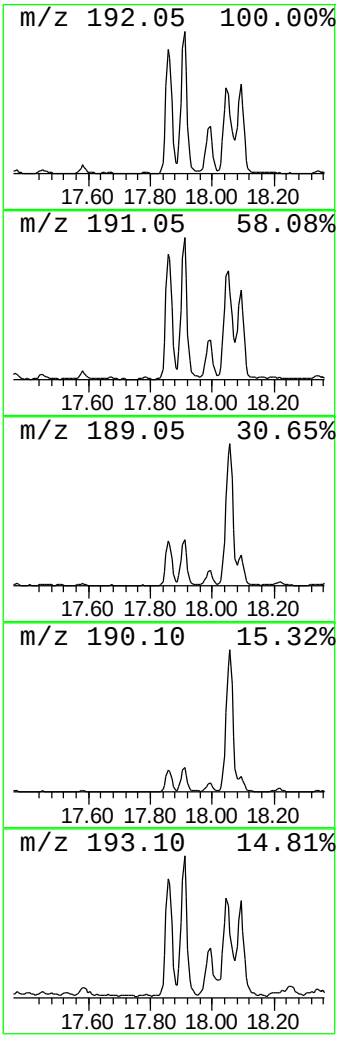
Peak Number 20 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	5.71 ng/ul	1226910	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Library Search Compound Report

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Data File : BN005583.D
Acq On : 10 May 2019 01:10
Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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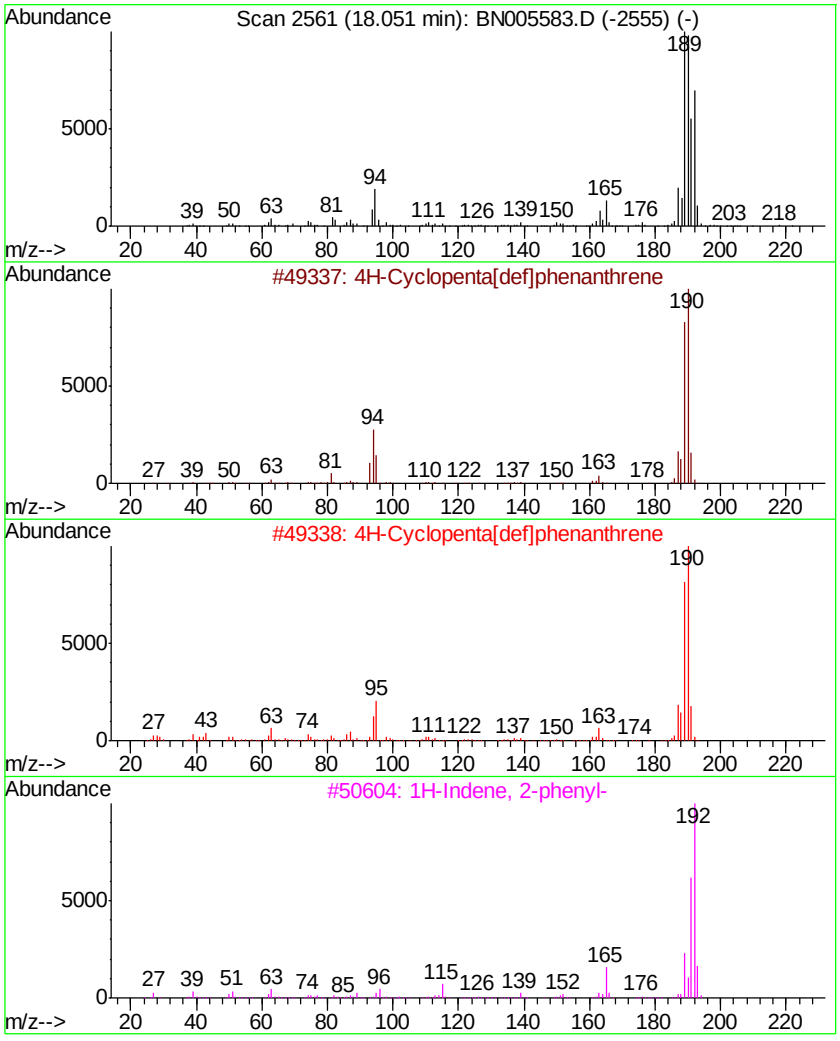
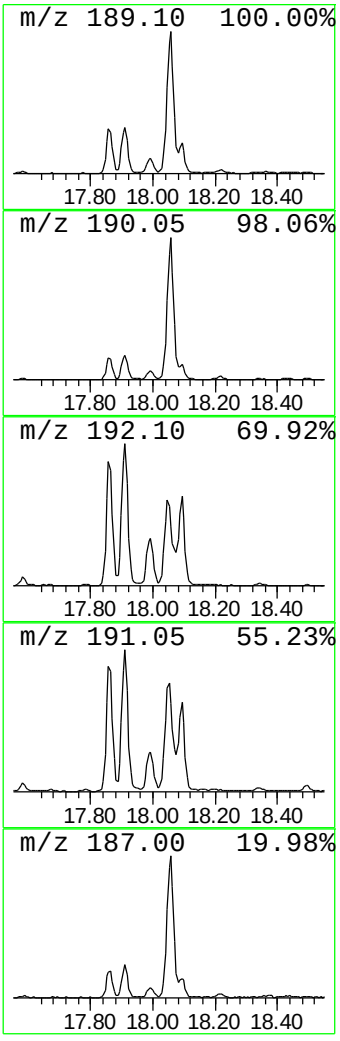
Peak Number 22 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	9.64 ng/ul	2070180	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	35





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Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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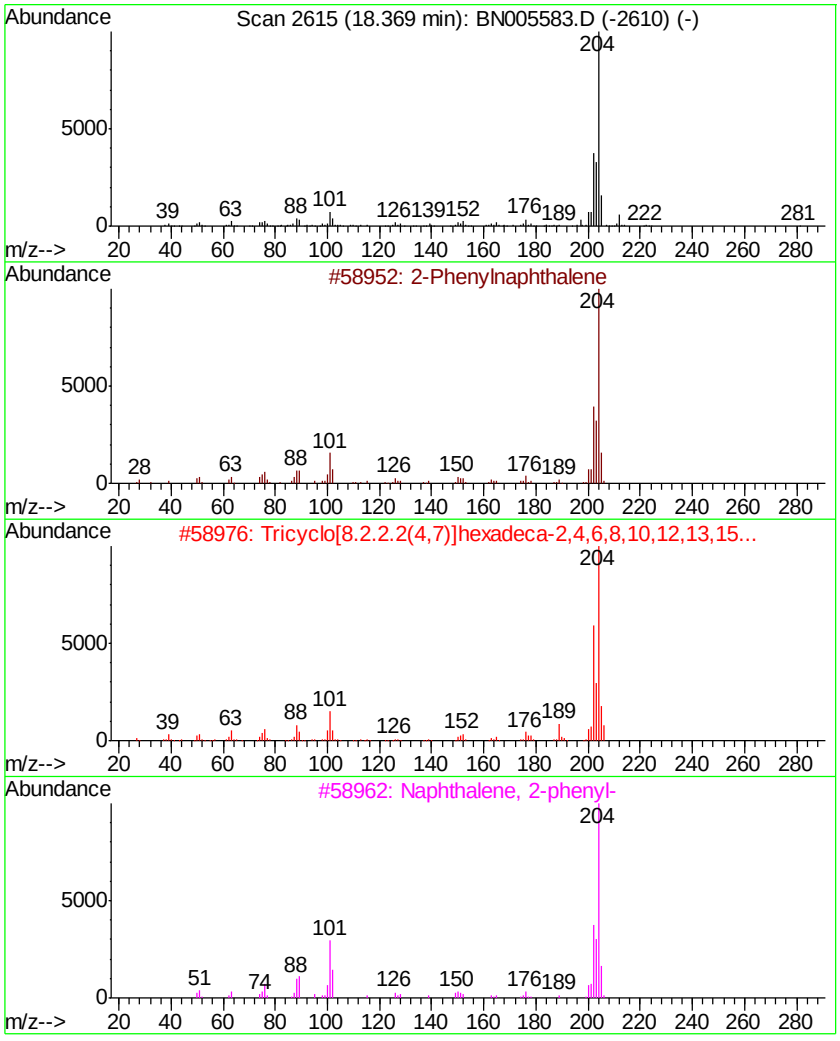
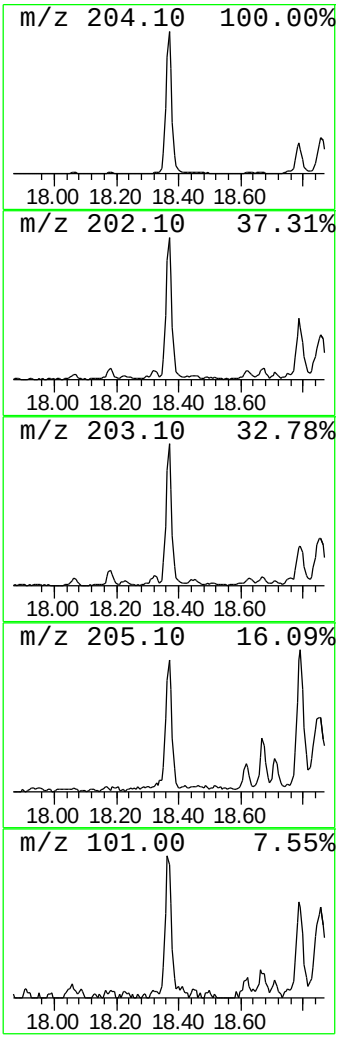
Peak Number 24 2-Phenylnaphthalene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	2.94 ng/ul	630239	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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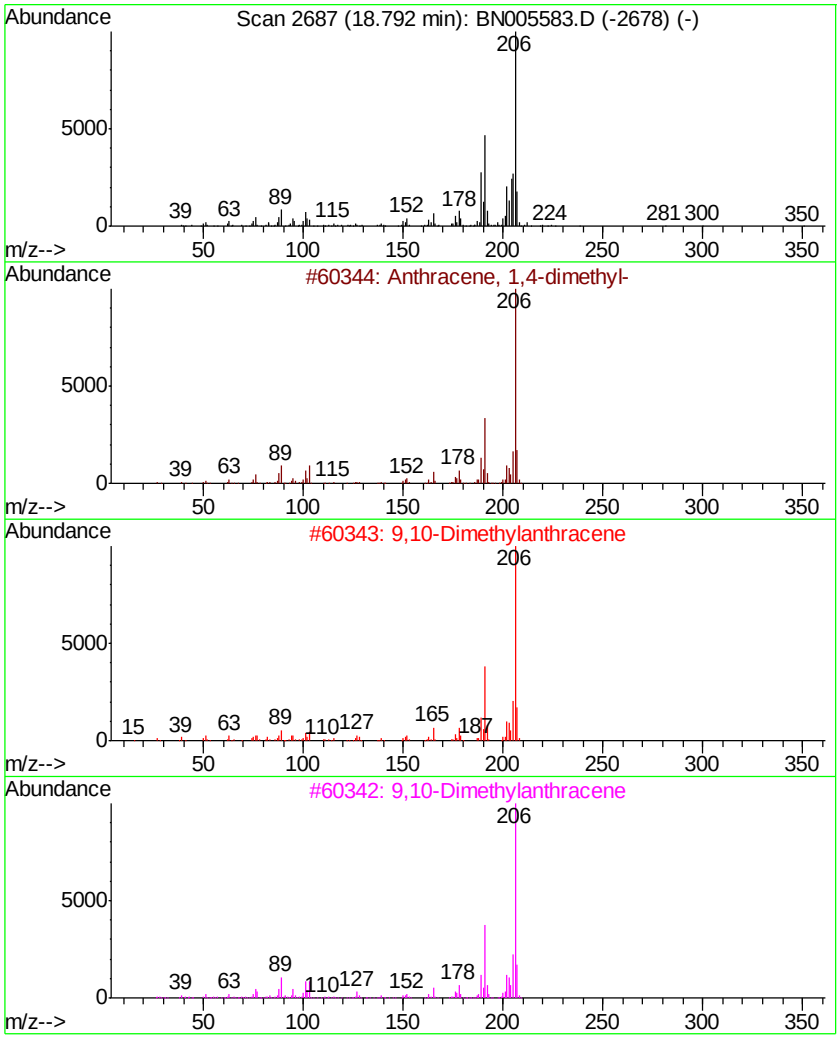
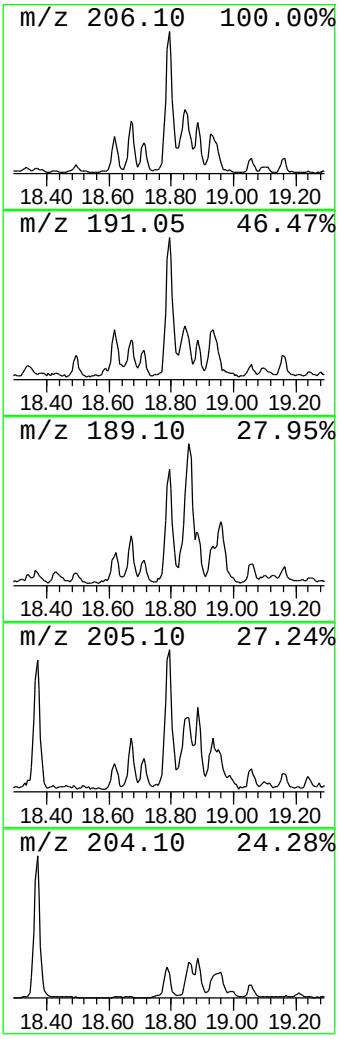
Peak Number 25 Anthracene, 1,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	3.71 ng/ul	796183	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89





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Acq On : 10 May 2019 01:10
Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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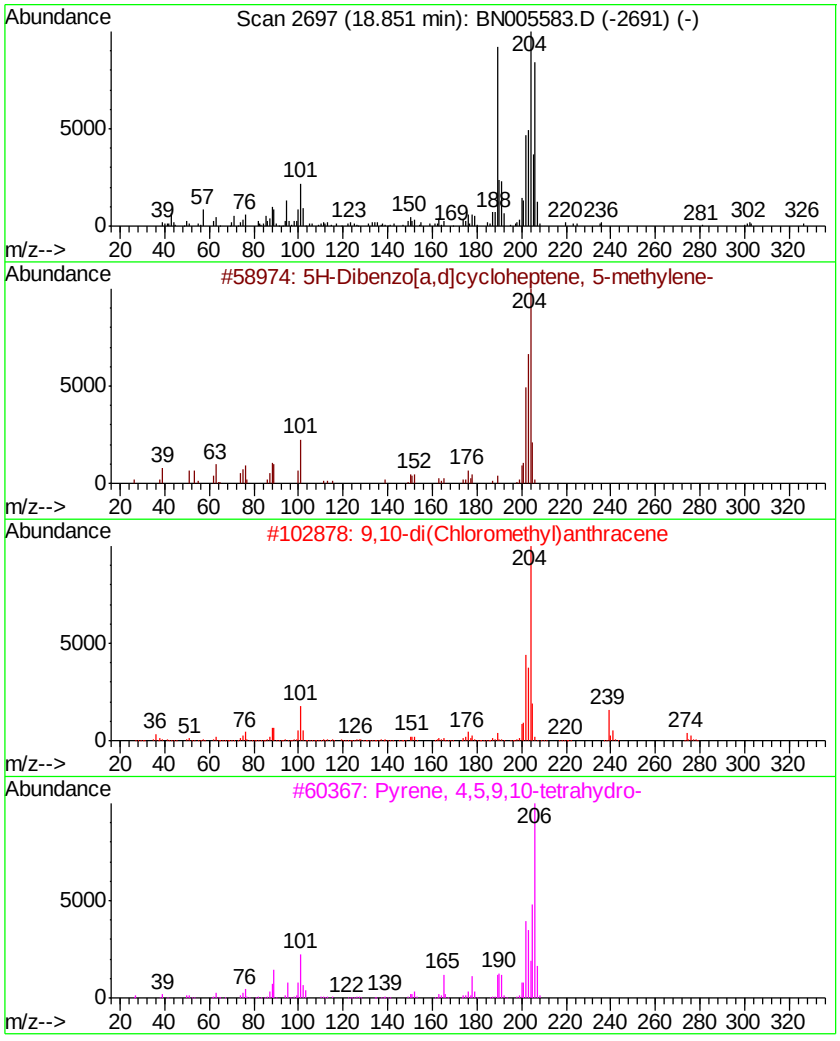
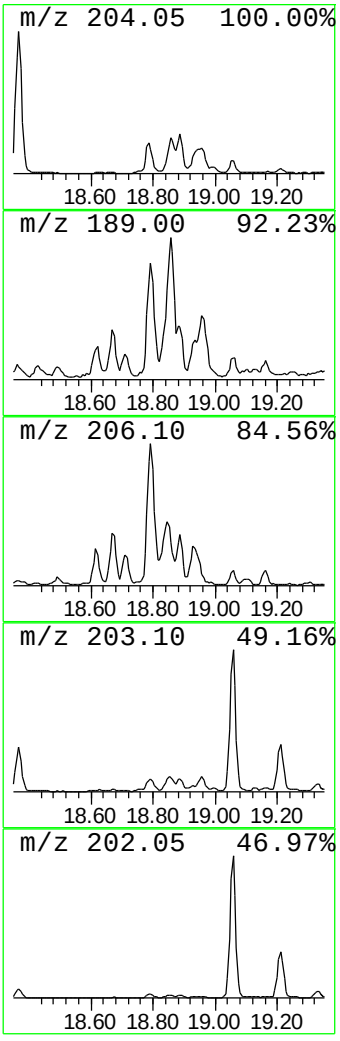
Peak Number 26 unknown-02 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	2.33 ng/ul	499250	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	49
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	30
5	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	30





Library Search Compound Report

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Data File : BN005583.D
Acq On : 10 May 2019 01:10
Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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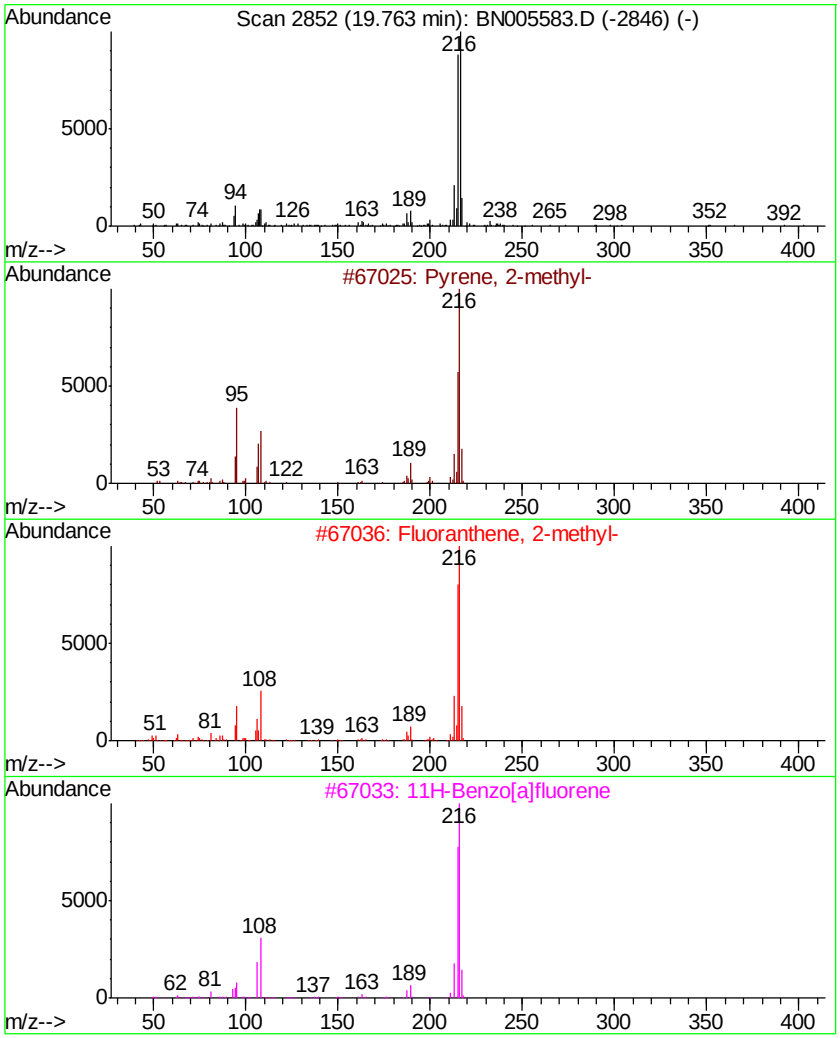
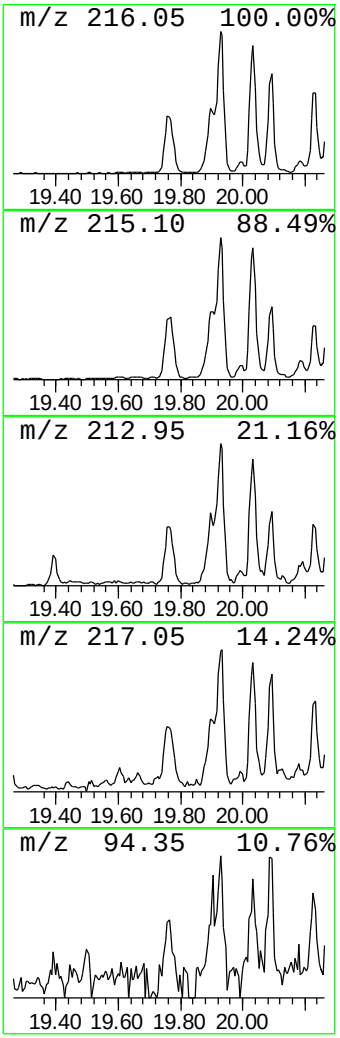
Peak Number 28 Pyrene, 2-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	2.06 ng/ul	493105	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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Data File : BN005583.D
Acq On : 10 May 2019 01:10
Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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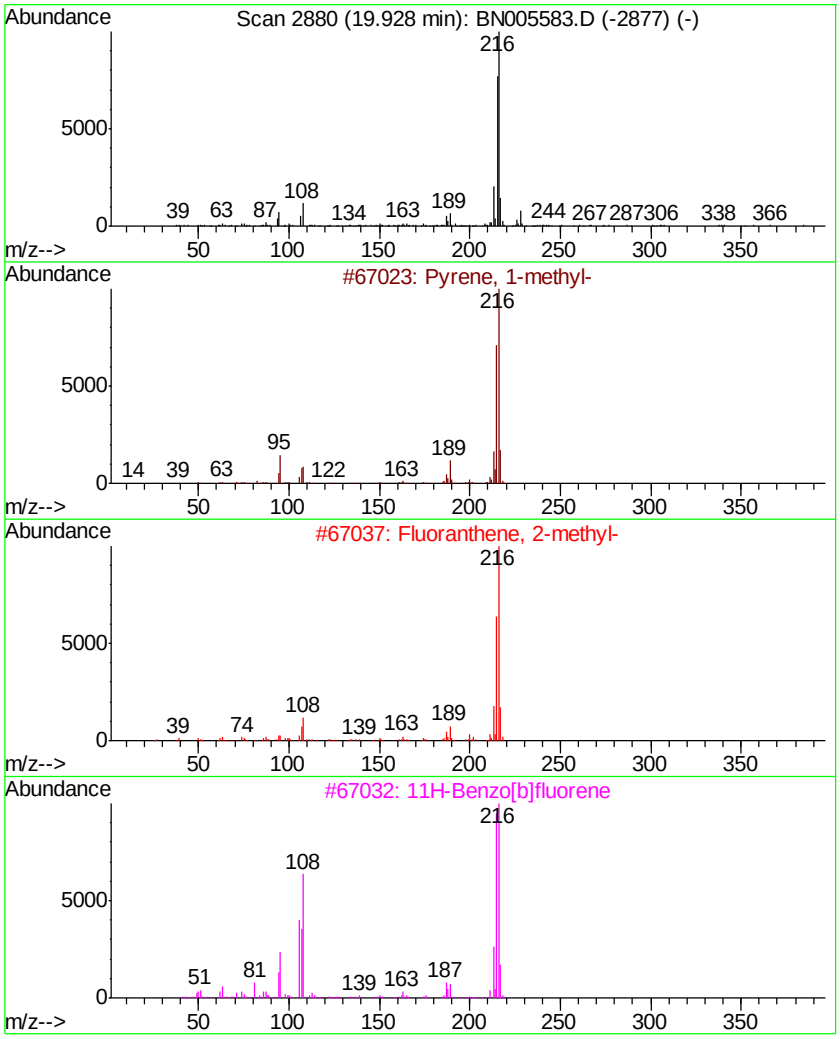
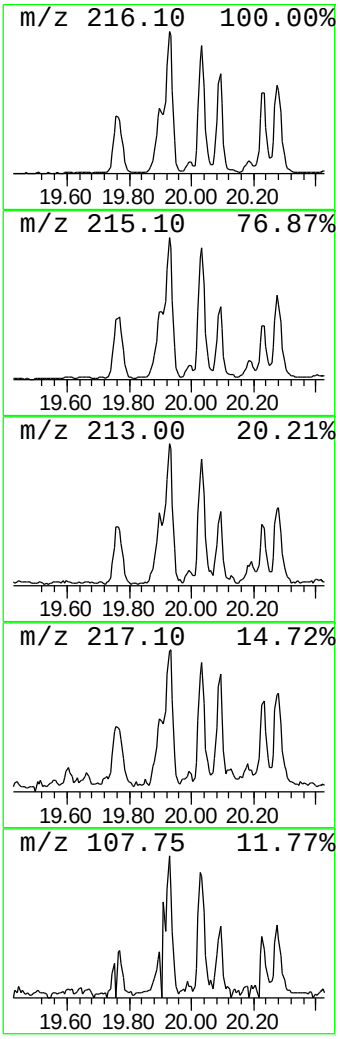
Peak Number 29 Pyrene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	2.79 ng/ul	666552	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Acq On : 10 May 2019 01:10
Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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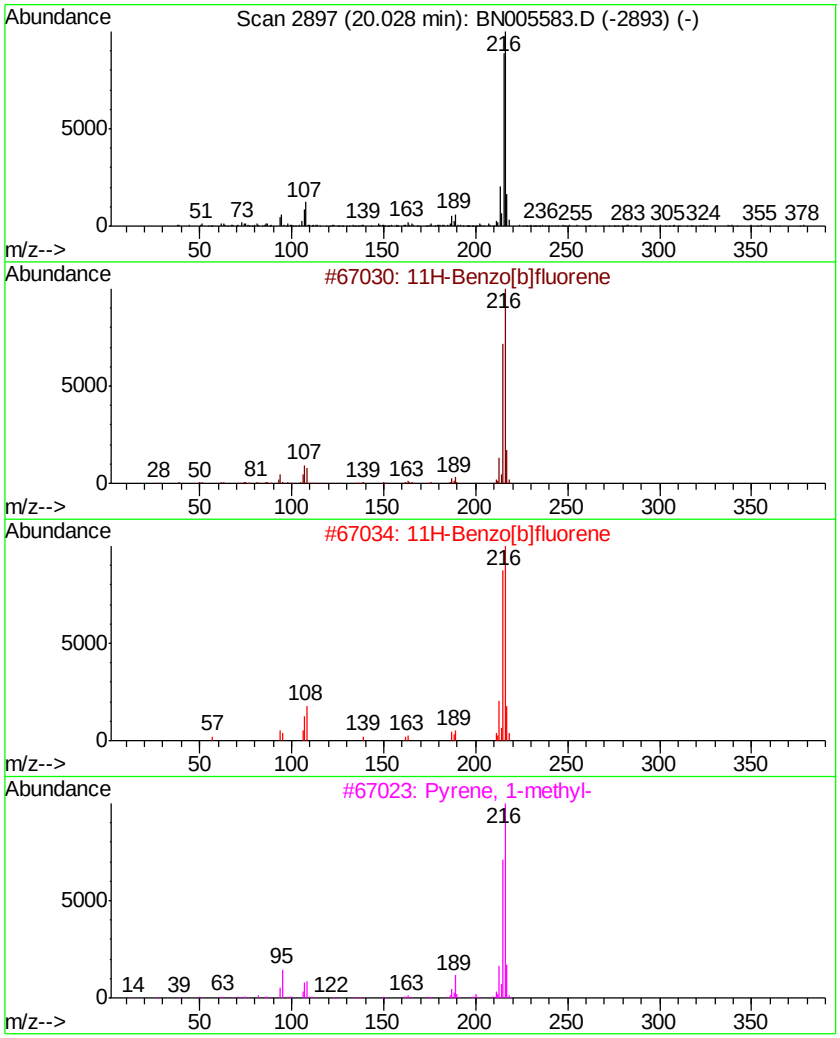
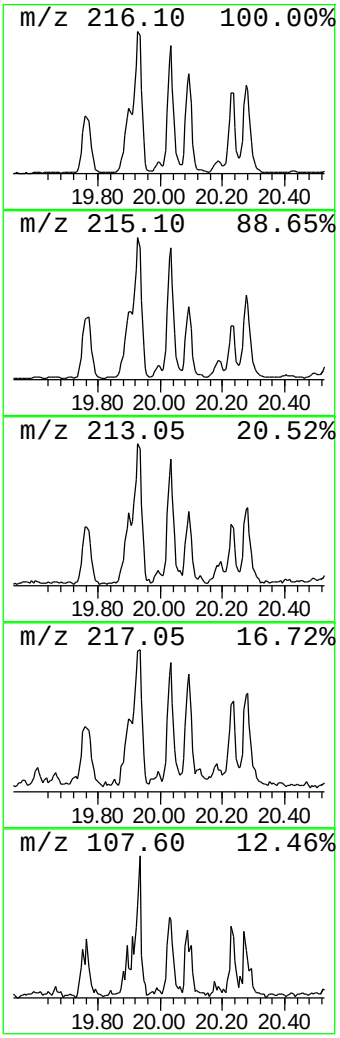
Peak Number 30 11H-Benzo[b]fluorene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	2.28 ng/ul	546256	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Data File : BN005583.D
Acq On : 10 May 2019 01:10
Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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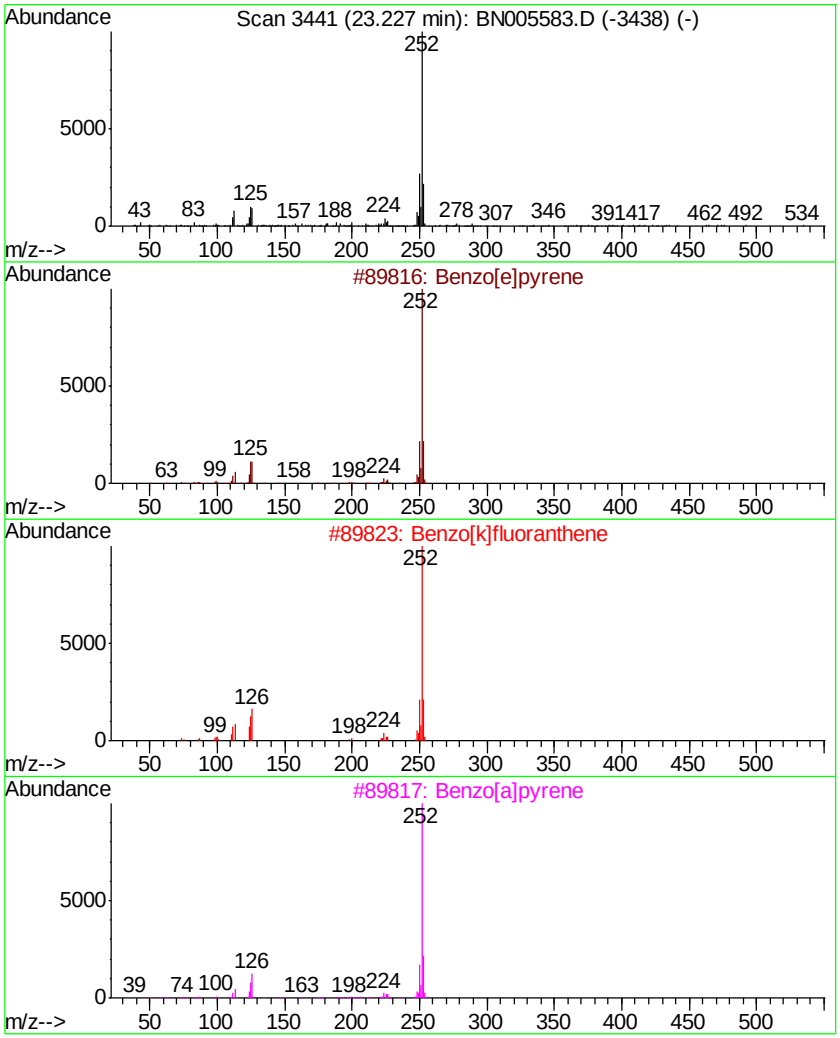
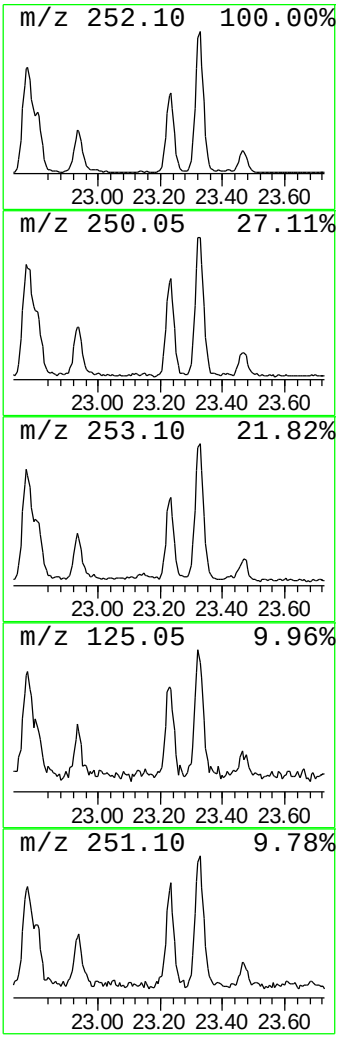
Peak Number 31 Benzo[e]pyrene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.23	2.72 ng/ul	374689	Perylene-d12	23.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

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Data File : BN005583.D
Acq On : 10 May 2019 01:10
Operator : JU/SJ
Sample : K2603-15DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.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
Benzene, 1,3-dime...	5.29	3.6	ng/ul	340218	1	7.59	1906850	20.0
Bicyclo[4.2.0]oct...	5.62	5.7	ng/ul	539592	1	7.59	1906850	20.0
Bicyclo[4.2.0]oct...	7.25	6.8	ng/ul	648637	1	7.59	1906850	20.0
Indene	8.12	14.0	ng/ul	1335260	1	7.59	1906850	20.0
2-Methylindene	9.79	3.2	ng/ul	492348	2	10.35	3082010	20.0
Naphthalene, 1-me...	12.24	20.2	ng/ul	3110760	2	10.35	3082010	20.0
Naphthalene, 1,6-...	13.38	2.9	ng/ul	611865	3	14.22	4158560	20.0
Naphthalene, 1,5-...	13.54	7.1	ng/ul	1480620	3	14.22	4158560	20.0
Naphthalene, 2,6-...	13.60	2.9	ng/ul	611624	3	14.22	4158560	20.0
Naphthalene, 2-et...	13.68	4.1	ng/ul	844826	3	14.22	4158560	20.0
Naphthalene, 2,3-...	13.78	3.1	ng/ul	638667	3	14.22	4158560	20.0
unknown-01	14.84	3.0	ng/ul	632363	3	14.22	4158560	20.0
1H-Phenalene	15.10	2.9	ng/ul	593723	3	14.22	4158560	20.0
3-Methyl-4-(metho...	15.96	2.1	ng/ul	445691	4	16.98	4294270	20.0
9H-Fluorene, 1-me...	16.29	3.5	ng/ul	740904	4	16.98	4294270	20.0
Dibenzothiophene	16.80	3.0	ng/ul	651539	4	16.98	4294270	20.0
Phenanthrene, 1-m...	17.86	5.7	ng/ul	1226910	4	16.98	4294270	20.0
4H-Cyclopenta[def...	18.05	9.6	ng/ul	2070180	4	16.98	4294270	20.0
2-Phenylnaphthalene	18.37	2.9	ng/ul	630239	4	16.98	4294270	20.0
Anthracene, 1,4-d...	18.79	3.7	ng/ul	796183	4	16.98	4294270	20.0
unknown-02	18.85	2.3	ng/ul	499250	4	16.98	4294270	20.0
Pyrene, 2-methyl-	19.76	2.1	ng/ul	493105	5	21.22	4784560	20.0
Pyrene, 1-methyl-	19.93	2.8	ng/ul	666552	5	21.22	4784560	20.0
11H-Benzo[b]fluorene	20.03	2.3	ng/ul	546256	5	21.22	4784560	20.0
Benzo[e]pyrene	23.23	2.7	ng/ul	374689	6	23.42	2759480	20.0