LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005544.D
Acq On : 08 May 2019 22:18
Operator : JU/SJ
Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 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	167	rVB	128438	188245	2.59%	0.185%
2	5.287	386	391	400	rBV	149666	292027	4.01%	0.287%
3	5.622	443	448	461	rVB2	217250	489621	6.72%	0.480%
4	7.245	717	724	734	rVV2	313163	579172	7.95%	0.568%
5	7.587	775	782	793	rBV	748167	1212654	16.66%	1.190%
6	8.110	864	871	885	rVB	693232	1183938	16.26%	1.162%
7	9.787	1146	1156	1162	rBV3	180346	433778	5.96%	0.426%
8	9.851	1162	1167	1172	rBV	161186	316337	4.34%	0.310%
9	10.345	1242	1251	1255	rBV	1127873	1963538	26.97%	1.927%
10	10.398	1255	1260	1269	rVB	4366695	7280765	100.00%	7.143%
11	11.792	1493	1497	1504	rVV2	89948	185530	2.55%	0.182%
12	12.016	1526	1535	1546	rBV	2866295	4461875	61.28%	4.378%
13	12.239	1562	1573	1585	rBV	1796778	2935418	40.32%	2.880%
14	13.051	1704	1711	1724	rVV2	534294	862766	11.85%	0.846%
15	13.245	1738	1744	1754	rVB	127758	328149	4.51%	0.322%
16	13.380	1759	1767	1768	rBV2	455124	647821	8.90%	0.636%
17	13.539	1786	1794	1799	rVV	816351	1411852	19.39%	1.385%
18	13.592	1799	1803	1808	rVV	501396	755950	10.38%	0.742%
19	13.675	1812	1817	1823	rVV	536469	857403	11.78%	0.841%
20	13.775	1829	1834	1838	rVV	367918	599444	8.23%	0.588%
21	13.804	1838	1839	1848	rVB	120691	165926	2.28%	0.163%
22	13.939	1852	1862	1877	rBV	1936573	3087430	42.41%	3.029%
23	14.139	1892	1896	1900	rBV	137827	172356	2.37%	0.169%
24	14.222	1900	1910	1917	rBV3	1725330	3007055	41.30%	2.950%
25	14.286	1917	1921	1924	rVV	208739	324720	4.46%	0.319%
26	14.439	1942	1947	1956	rVB	67462	165240	2.27%	0.162%
27	14.627	1969	1979	1987	rBV2	280822	589099	8.09%	0.578%
28	14.704	1987	1992	1997	rVV	204953	278019	3.82%	0.273%
29	14.833	2009	2014	2020	rBV3	272288	602646	8.28%	0.591%
30	14.904	2022	2026	2029	rVV	145474	210857	2.90%	0.207%
31	14.998	2037	2042	2044	rBV2	117864	178328	2.45%	0.175%
32	15.098	2054	2059	2066	rVB	471257	598649	8.22%	0.587%
33	15.222	2075	2080	2084	rVV2	368084	570160	7.83%	0.559%
34	15.274	2084	2089	2102	rVB	1221139	2167422	29.77%	2.127%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 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

35	15.486	2120	2125	2134	rVB3	106840	273105	3.75%	0.268%
36	15.574	2135	2140	2144	rBV2	139915	241022	3.31%	0.236%
37	15.692	2155	2160	2163	rBV2	260407	365958	5.03%	0.359%
38	15.727	2163	2166	2173	rVB3	106583	213735	2.94%	0.210%
39	15.963	2200	2206	2209	rBV2	233392	339985	4.67%	0.334%
40	16.286	2253	2261	2266	rVV2	314069	724824	9.96%	0.711%
41	16.333	2266	2269	2274	rVB	226565	303709	4.17%	0.298%
42	16.433	2281	2286	2291	rVB2	218304	326876	4.49%	0.321%
43	16.639	2317	2321	2328	rVV4	112531	195872	2.69%	0.192%
44	16.792	2343	2347	2358	rVB	411533	722683	9.93%	0.709%
45	16.974	2372	2378	2382	rBV2	2220278	3457252	47.48%	3.392%
46	17.021	2382	2386	2392	rVV	4747585	6790843	93.27%	6.663%
47	17.074	2392	2395	2397	rVV2	158953	241314	3.31%	0.237%
48	17.110	2397	2401	2407	rVV	1129665	1674453	23.00%	1.643%
49	17.174	2408	2412	2417	rVV3	112490	214447	2.95%	0.210%
50	17.498	2463	2467	2472	rVB	260014	331832	4.56%	0.326%
51	17.563	2473	2478	2484	rVB2	251874	410772	5.64%	0.403%
52	17.704	2493	2502	2510	rVB2	176530	442337	6.08%	0.434%
53	17.857	2522	2528	2532	rBV	1014335	1431953	19.67%	1.405%
54	17.904	2532	2536	2545	rVB	1126057	1516825	20.83%	1.488%
55	17.986	2545	2550	2555	rBV	358103	500714	6.88%	0.491%
56	18.045	2555	2560	2565	rBV2	1431246	2599316	35.70%	2.550%
57	18.086	2565	2567	2577	rVB	701953	865041	11.88%	0.849%
58	18.192	2579	2585	2592	rVB4	84069	159463	2.19%	0.156%
59	18.363	2609	2614	2618	rBV	574277	783406	10.76%	0.769%
60	18.415	2618	2623	2632	rVB4	158277	338970	4.66%	0.333%
61	18.663	2661	2665	2669	rBV	147240	181576	2.49%	0.178%
62	18.704	2669	2672	2677	rVB2	136950	185211	2.54%	0.182%
63	18.786	2681	2686	2691	rBV2	561800	922279	12.67%	0.905%
64	18.845	2691	2696	2700	rBV3	314242	588367	8.08%	0.577%
65	18.880	2700	2702	2706	rVB	267795	274934	3.78%	0.270%
66	18.933	2706	2711	2712	rBV2	200209	289831	3.98%	0.284%
67	19.051	2725	2731	2739	rBV	2800373	3786725	52.01%	3.715%
68	19.121	2739	2743	2746	rVV2	116466	166211	2.28%	0.163%
69	19.204	2752	2757	2763	rVB	937569	1217838	16.73%	1.195%
70	19.321	2775	2777	2784	rVB	148428	226775	3.11%	0.222%
71	19.421	2784	2794	2803	rBV	3650210	5870839	80.63%	5.760%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 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	19.504	2804	2808	2814	rVB2	140476	215570	2.96%	0.212%
73	19.751	2845	2850	2857	rBV3	321497	660973	9.08%	0.649%
74	19.892	2868	2874	2876	rBV3	308342	557655	7.66%	0.547%
75	19.921	2876	2879	2884	rVB	765862	1025277	14.08%	1.006%
76	20.027	2893	2897	2902	rBV	599799	767440	10.54%	0.753%
77	20.080	2902	2906	2911	rBV	440109	589935	8.10%	0.579%
78	20.221	2926	2930	2934	rVV2	353832	493690	6.78%	0.484%
79	20.268	2934	2938	2948	rVB	456231	755138	10.37%	0.741%
80	20.645	2997	3002	3005	rBV3	95011	178442	2.45%	0.175%
81	20.851	3033	3037	3040	rVV	226975	309070	4.25%	0.303%
82	20.886	3040	3043	3046	rVV	322560	350624	4.82%	0.344%
83	20.921	3046	3049	3054	rVV	164264	225320	3.09%	0.221%
84	21.204	3090	3097	3101	rBV3	3466870	6155366	84.54%	6.039%
85	21.239	3101	3103	3114	rVB	1176498	1622958	22.29%	1.592%
86	21.415	3130	3133	3149	rVV4	203734	471562	6.48%	0.463%
87	21.756	3185	3191	3196	rVV	299761	518757	7.13%	0.509%
88	21.809	3196	3200	3204	rVB2	217883	297362	4.08%	0.292%
89	21.874	3206	3211	3213	rVV3	108636	188182	2.58%	0.185%
90	21.904	3214	3216	3220	rVV3	163774	241390	3.32%	0.237%
91	21.951	3220	3224	3226	rVV3	215592	327655	4.50%	0.321%
92	21.980	3226	3229	3235	rVB3	265815	403998	5.55%	0.396%
93	22.756	3355	3361	3372	rBV2	548220	1547996	21.26%	1.519%
94	22.921	3384	3389	3395	rBV	172594	295095	4.05%	0.290%
95	23.215	3434	3439	3444	rBV	337158	567780	7.80%	0.557%
96	23.309	3450	3455	3462	rVB	654145	1184047	16.26%	1.162%
97	23.403	3464	3471	3477	rBV	1508201	2796350	38.41%	2.744%
98	23.945	3559	3563	3569	rVB4	116147	209455	2.88%	0.206%
99	25.592	3839	3843	3852	rVB2	157417	388322	5.33%	0.381%
100	26.256	3951	3956	3966	rVB	113703	295208	4.05%	0.290%

Sum of corrected areas: 101922100

LSC Report - Integrated Chromatogram

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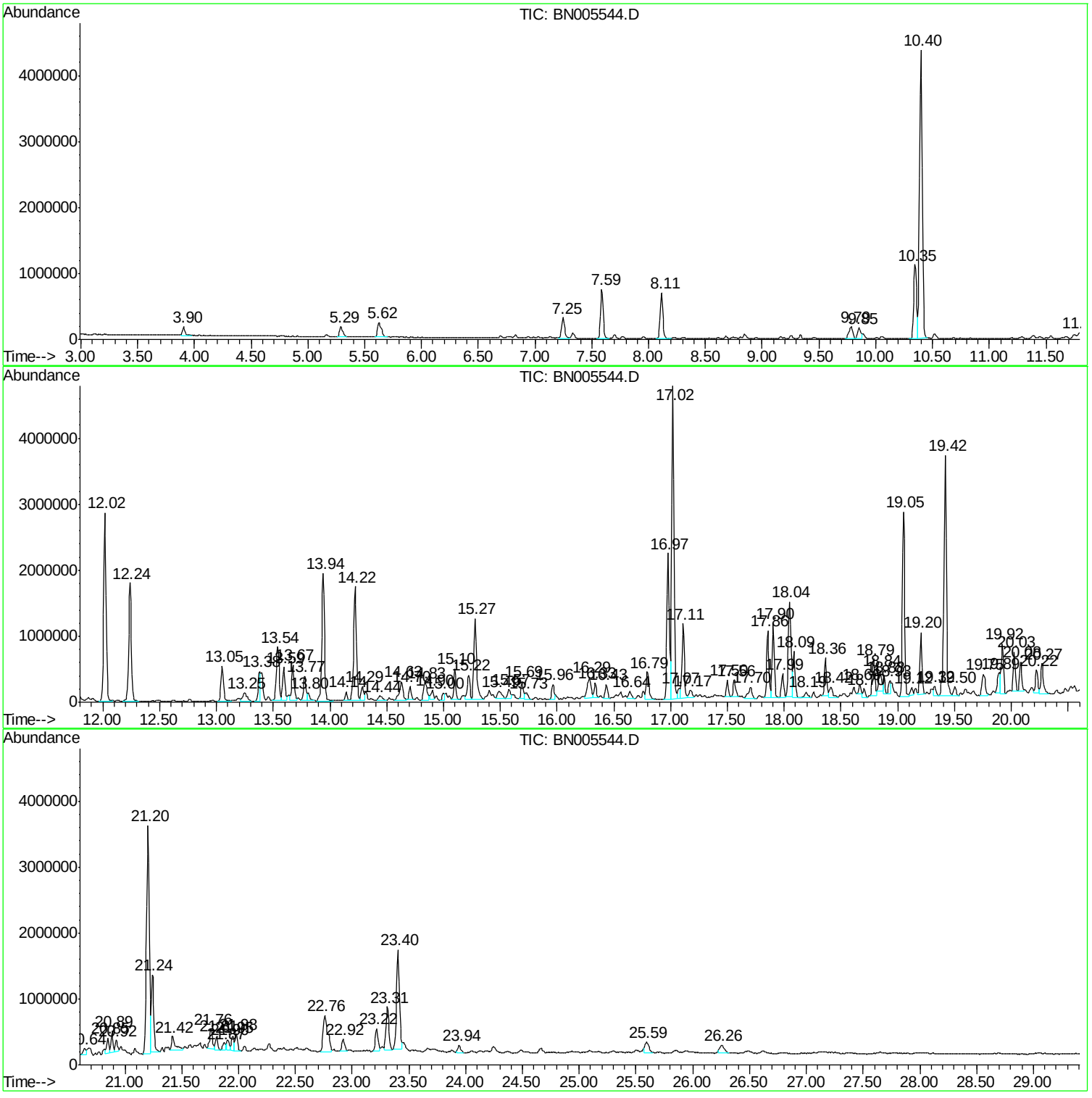
Data File : BN005544.D
Acq On : 08 May 2019 22:18
Operator : JU/SJ
Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
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Acq On : 08 May 2019 22:18
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Sample : K2603-15DL 25X
Misc :
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Instrument : BNA_N
ClientSampleId : GAJ67DL

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

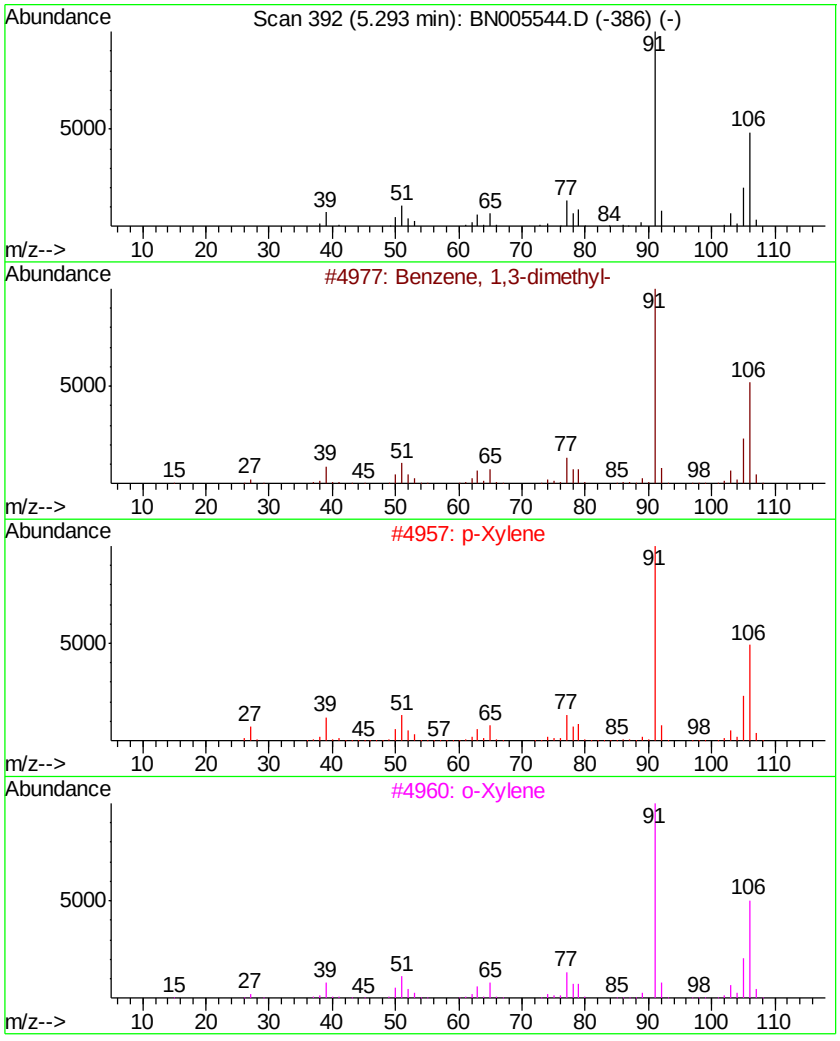
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

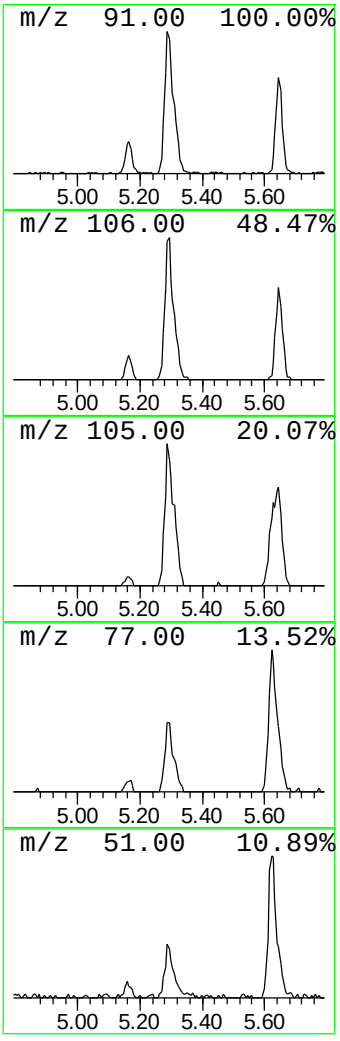
****

Peak Number 2 Benzene, 1,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.29	4.82 ng/ul	292027	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	p-Xylene	106	C8H10	000106-42-3	97
3	o-Xylene	106	C8H10	000095-47-6	97
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\BN050819\
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ALS Vial : 16 Sample Multiplier: 1

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

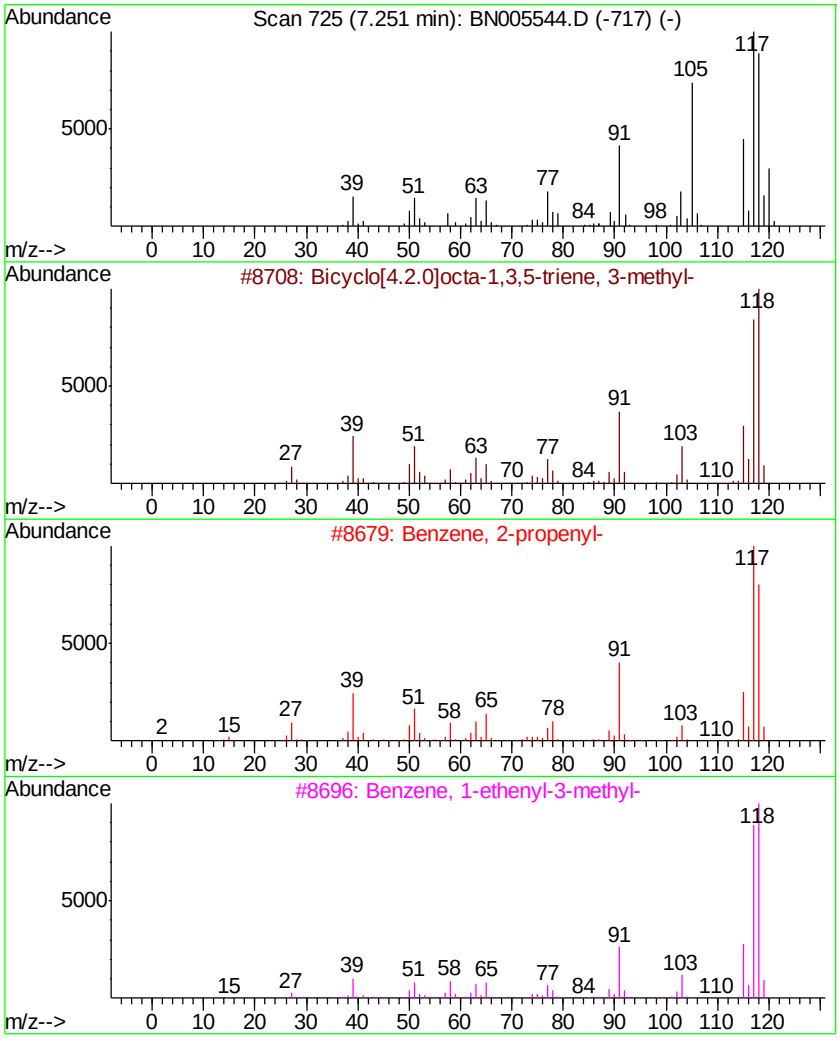
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

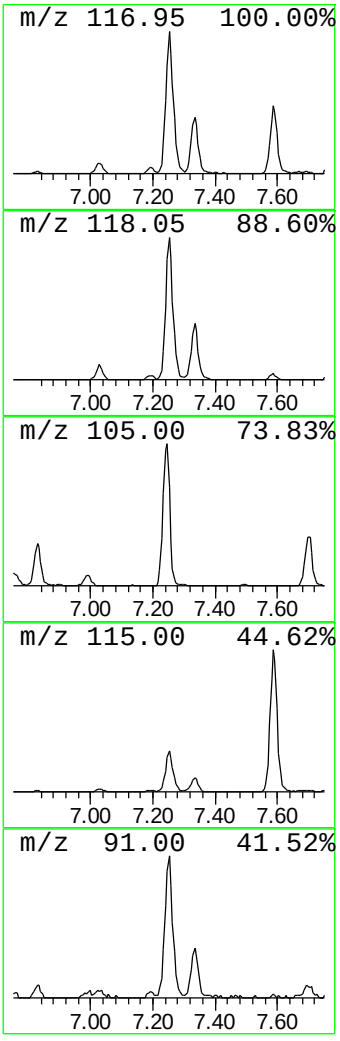
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	9.55 ng/ul	579172	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	52
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	46
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	46
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	46
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	46





Library Search Compound Report

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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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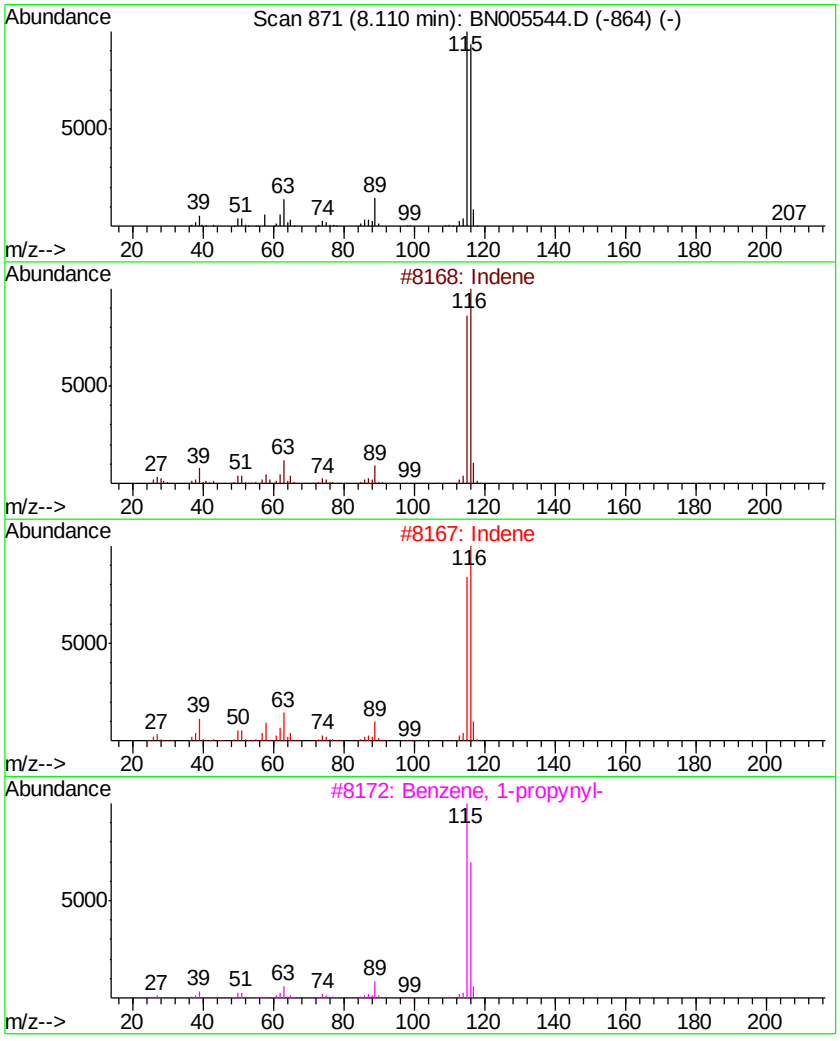
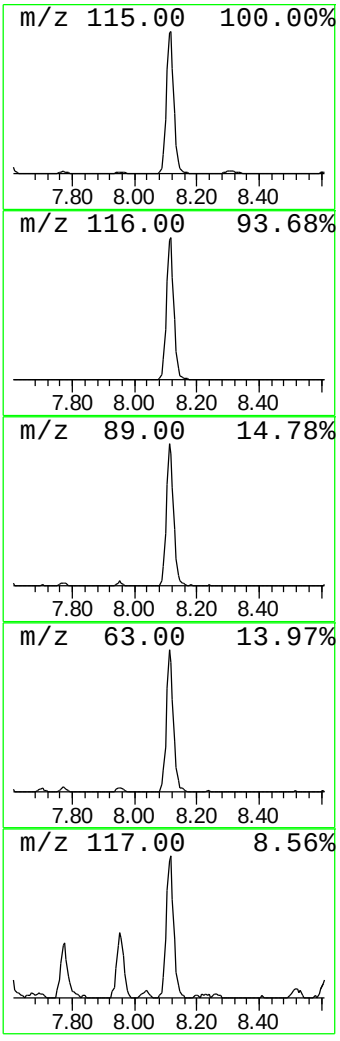
Peak Number 5 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.11	19.53 ng/ul	1183940	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	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Indene	116	C9H8	000095-13-6	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

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Instrument : BNA_N
ClientSampleId : GAJ67DL

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

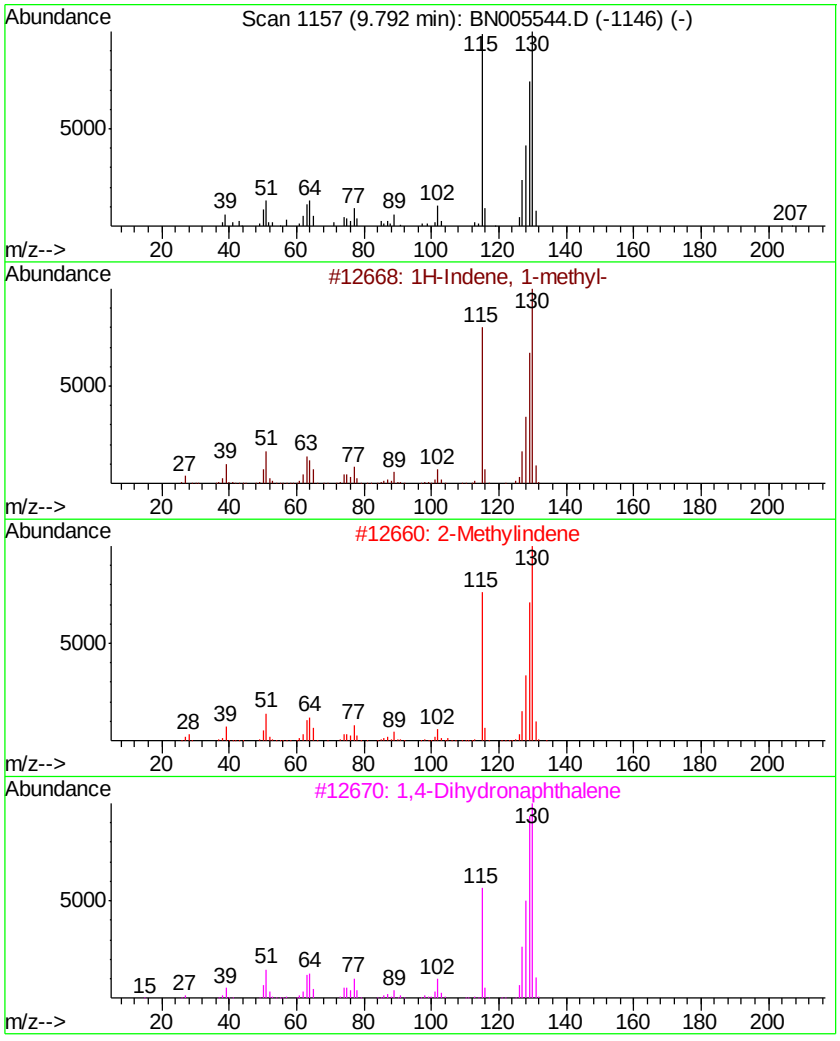
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

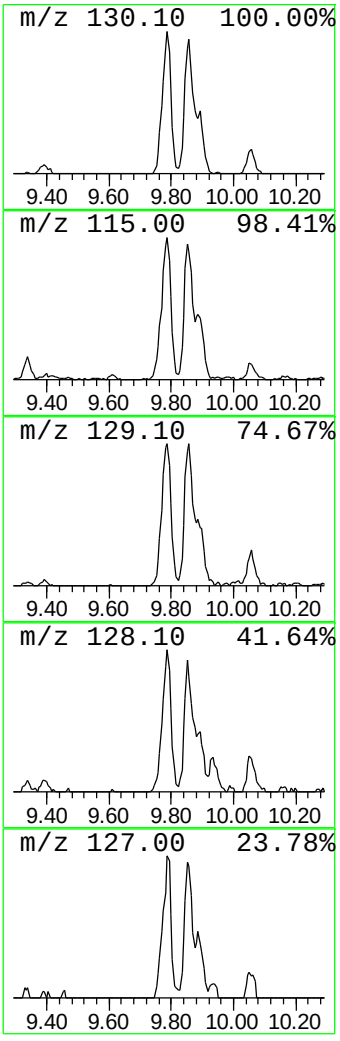
****

Peak Number 6 1H-Indene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	4.42 ng/ul	433778	Naphthalene-d8	10.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
2	2-Methylindene	130	C10H10	002177-47-1	95
3	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005544.D
Acq On : 08 May 2019 22:18
Operator : JU/SJ
Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67DL

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

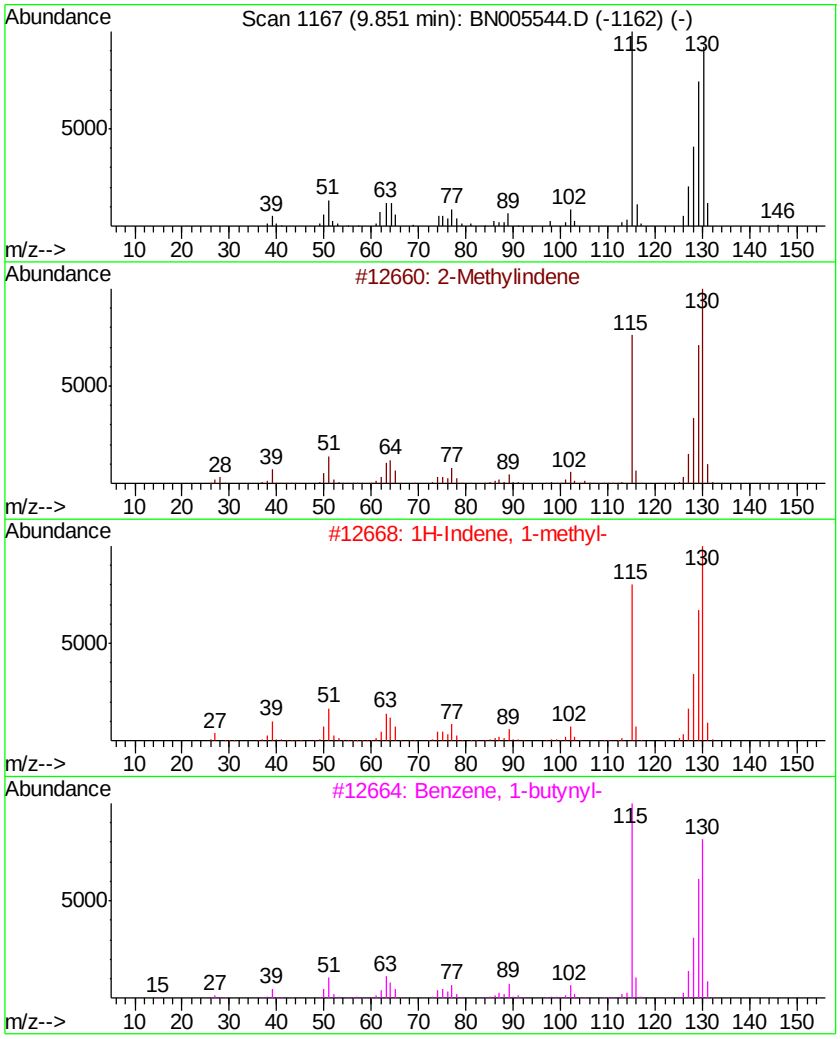
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

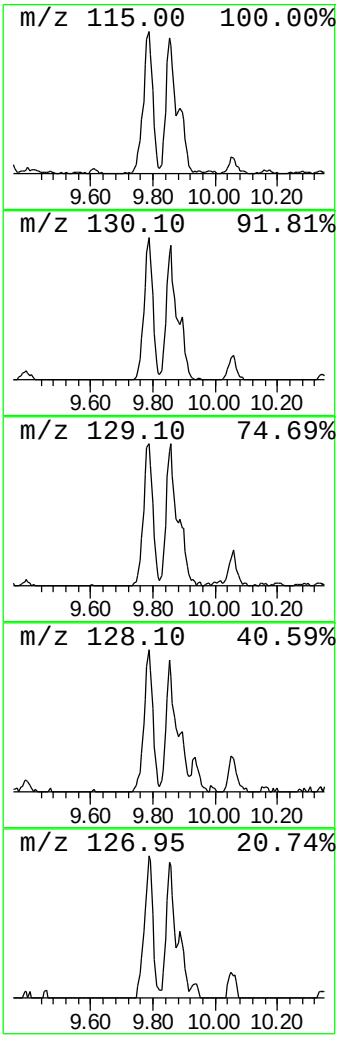
****

Peak Number 7 2-Methylindene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	3.22 ng/ul	316337	Naphthalene-d8	10.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	96
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	92





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Acq On : 08 May 2019 22:18
Operator : JU/SJ
Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 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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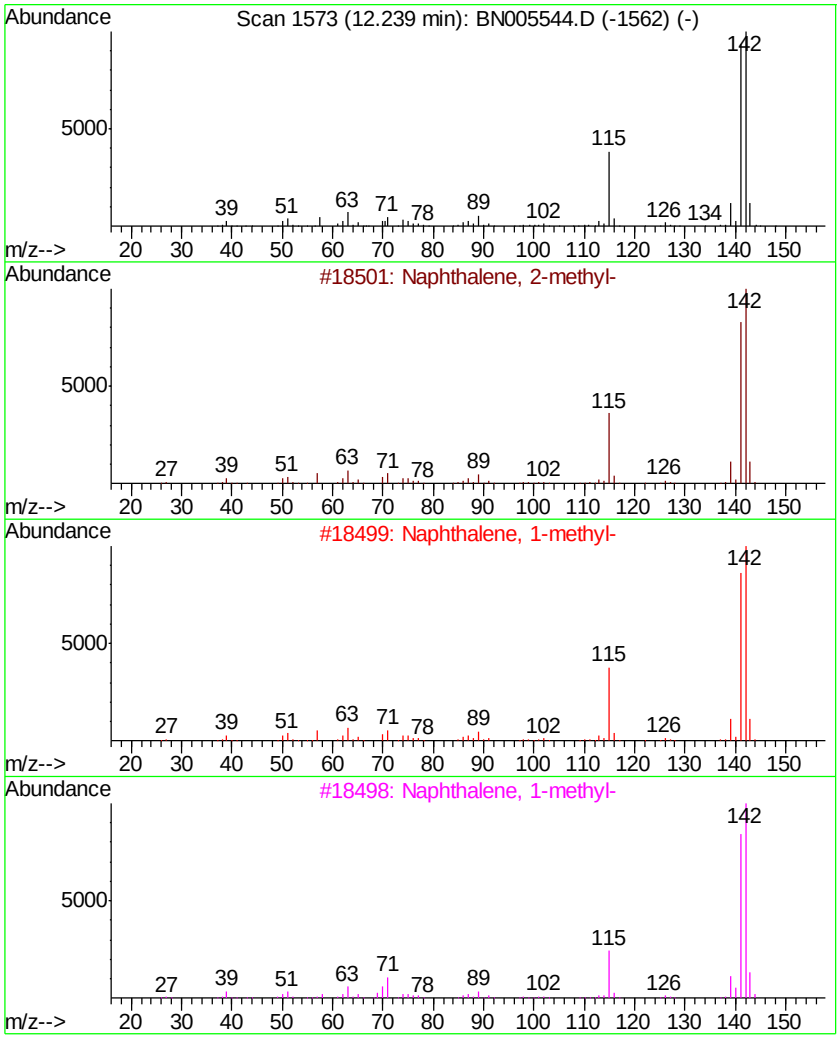
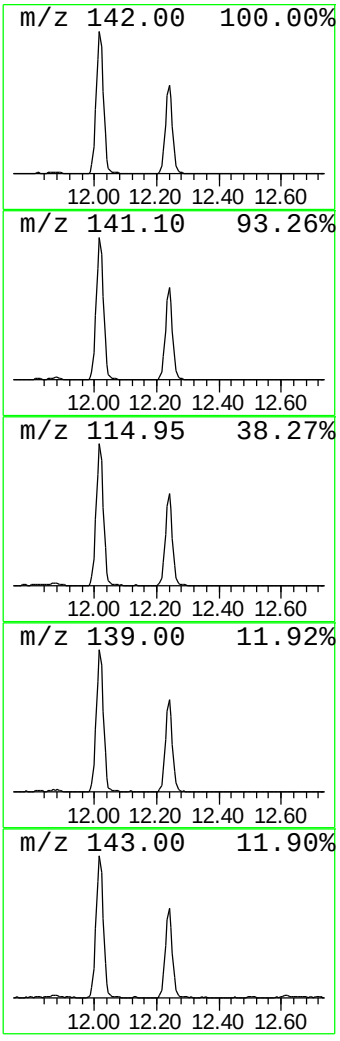
Peak Number 8 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	29.90 ng/ul	2935420	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, 1-methyl-	142	C11H10	000090-12-0	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





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ALS Vial : 16 Sample Multiplier: 1

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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

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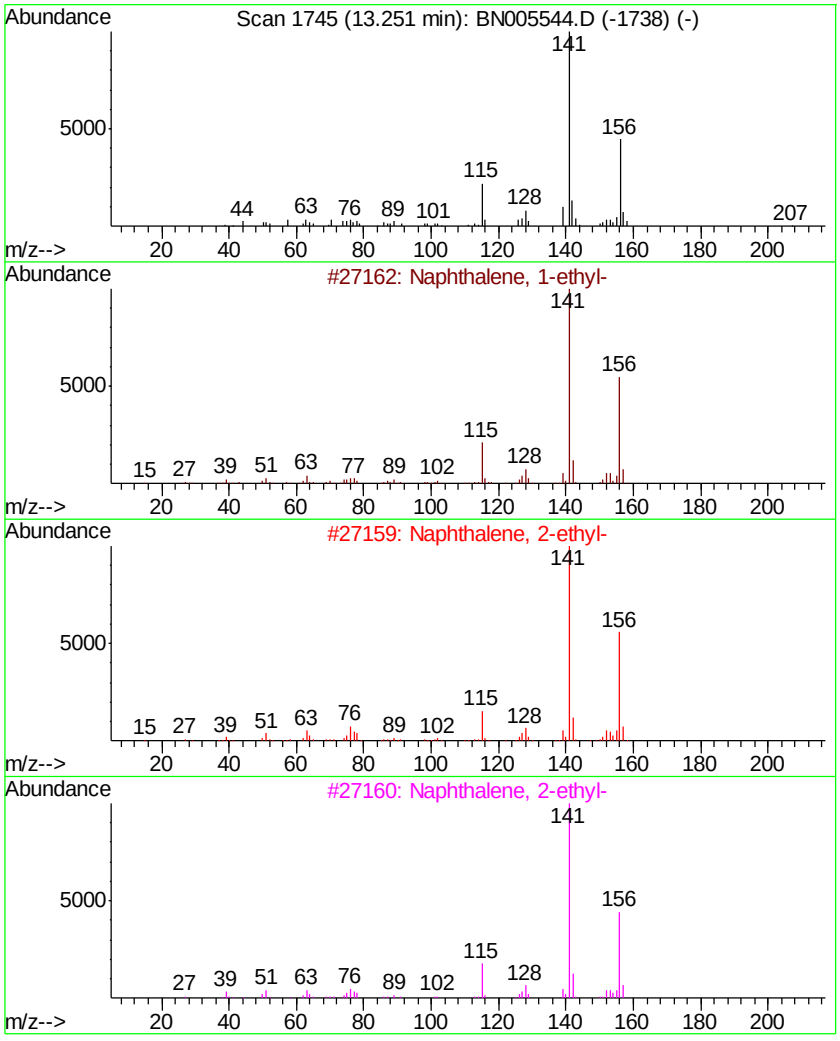
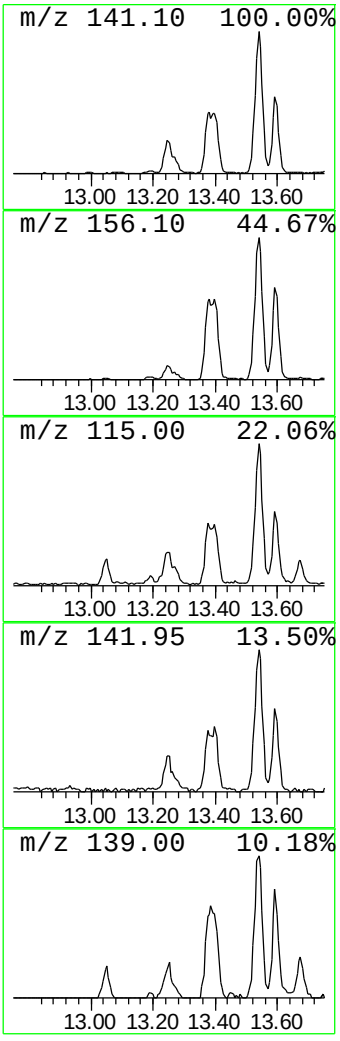
Peak Number 9 Naphthalene, 1-ethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	2.18 ng/ul	328149	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91





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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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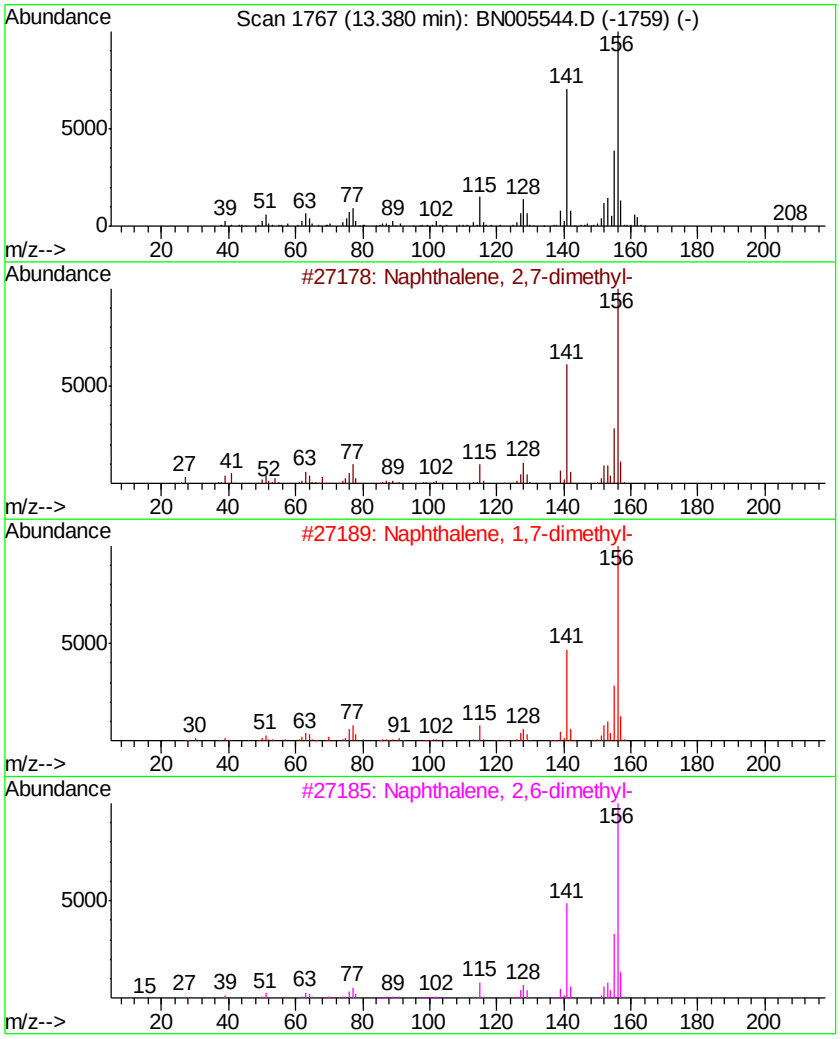
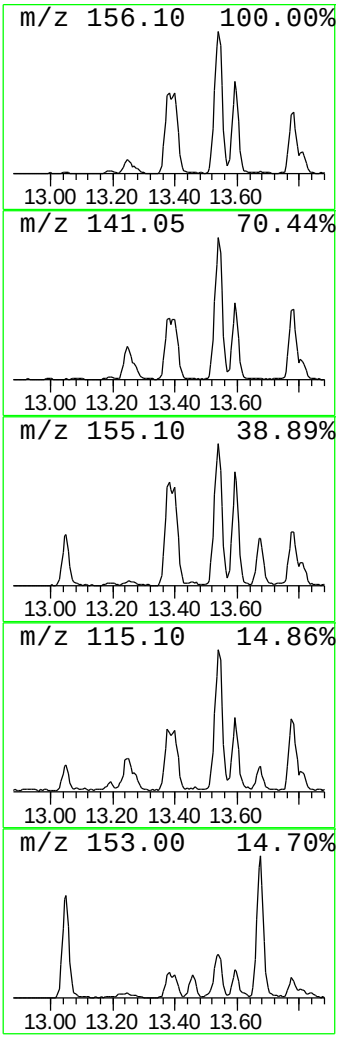
Peak Number 10 Naphthalene, 2,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	4.31 ng/ul	647821	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 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 11 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	9.39 ng/ul	1411850	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
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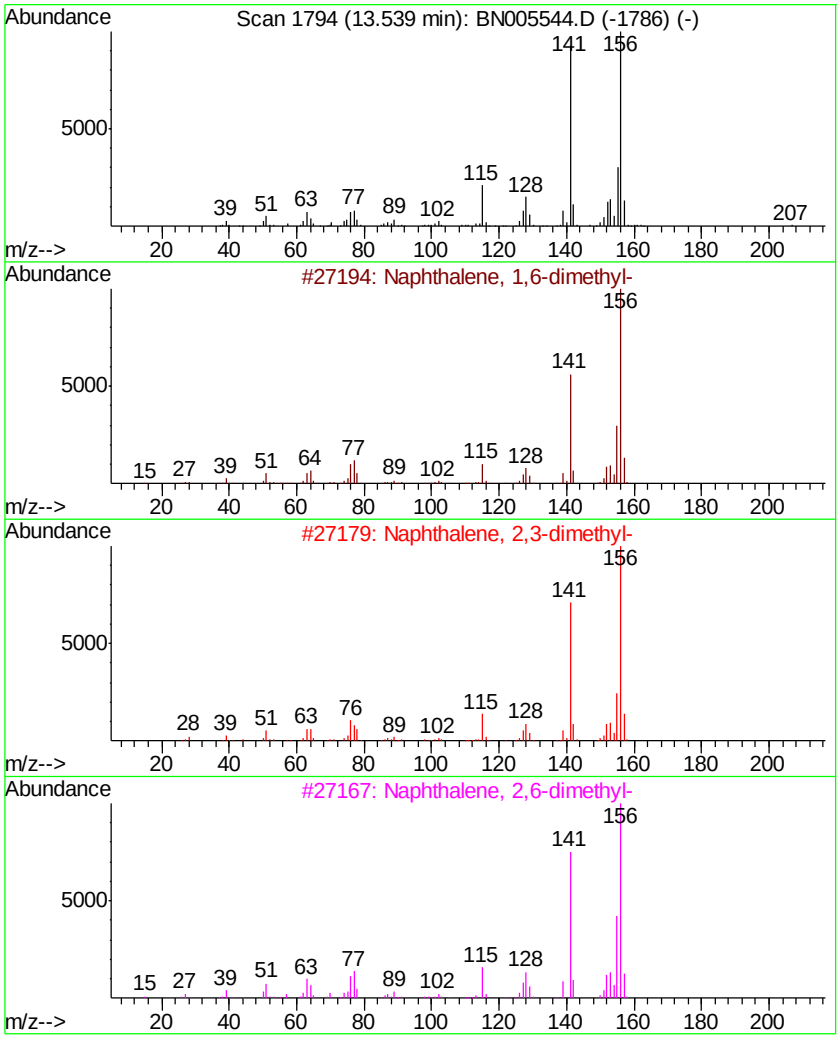

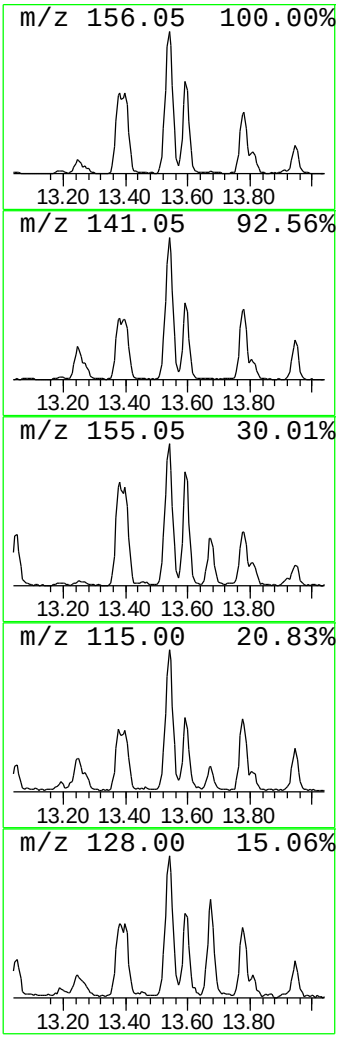

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Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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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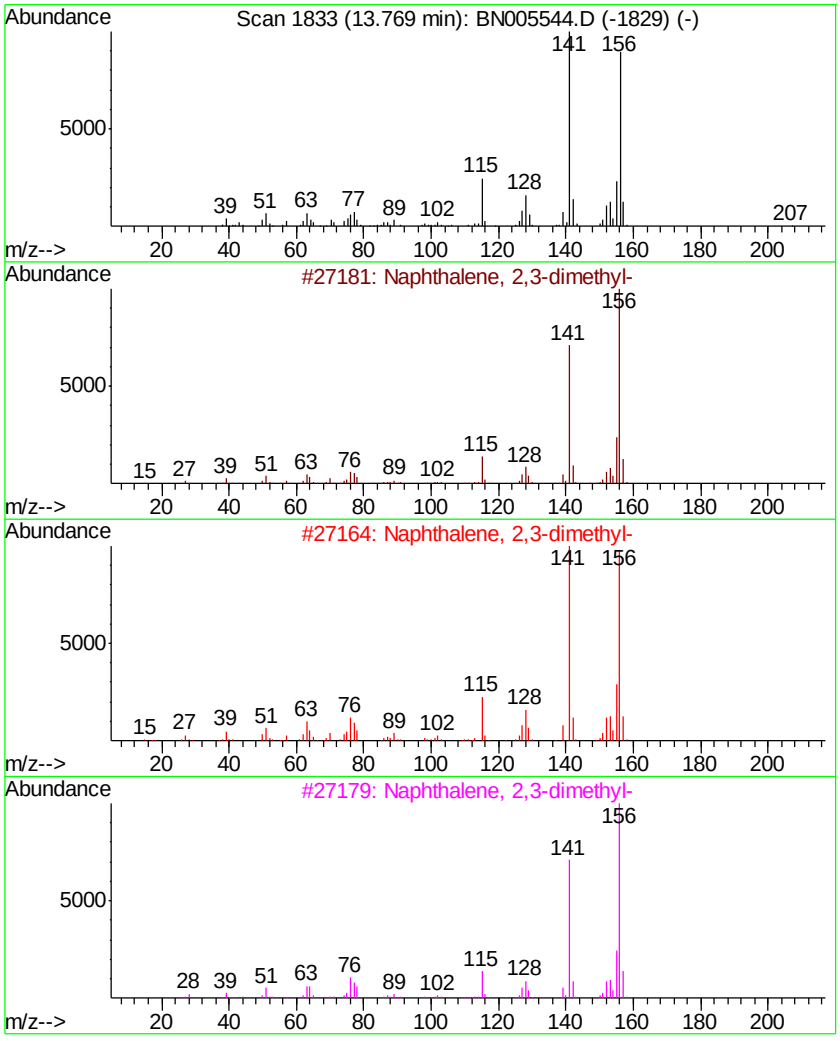
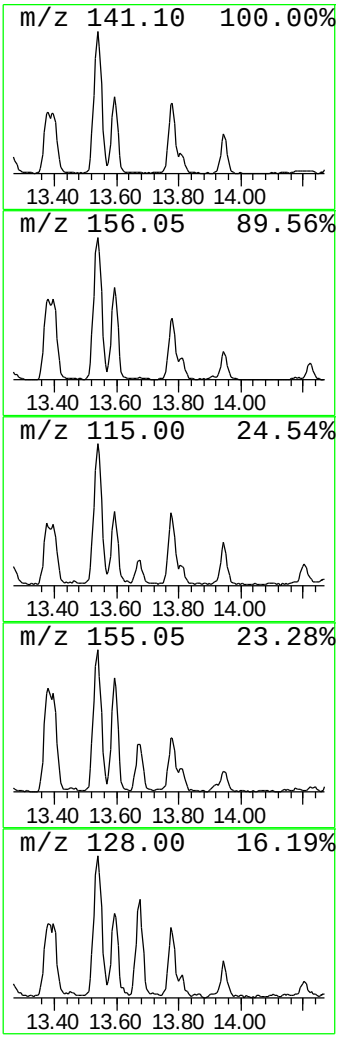
Peak Number 12 Naphthalene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	3.99 ng/ul	599444	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	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





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Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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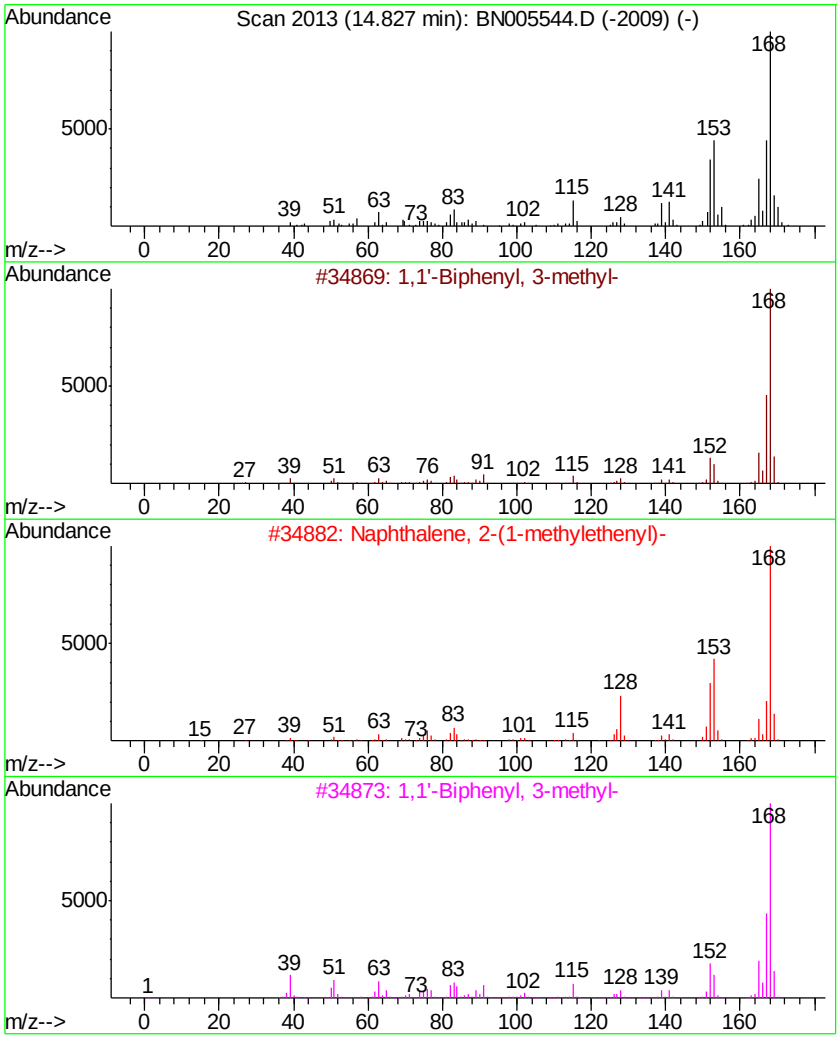
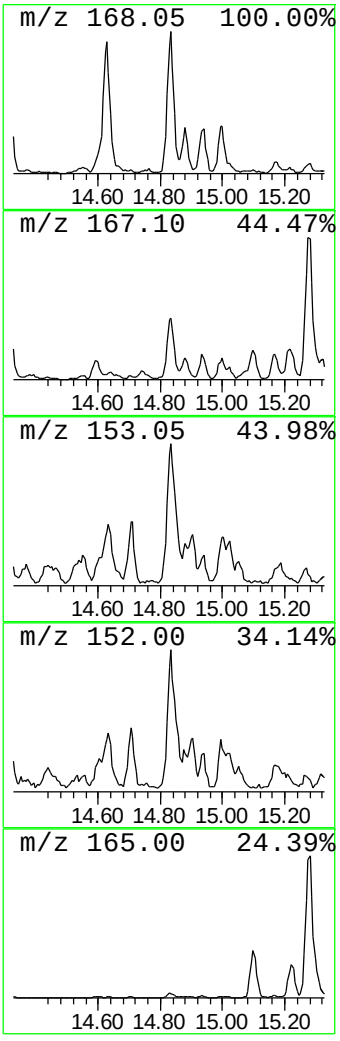
Peak Number 13 1,1'-Biphenyl, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	4.01 ng/ul	602646	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	64
2	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	58
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	47
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	46
5	(1R)-(-)-Thiocamphor	168	C10H16S	053402-10-1	43





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Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 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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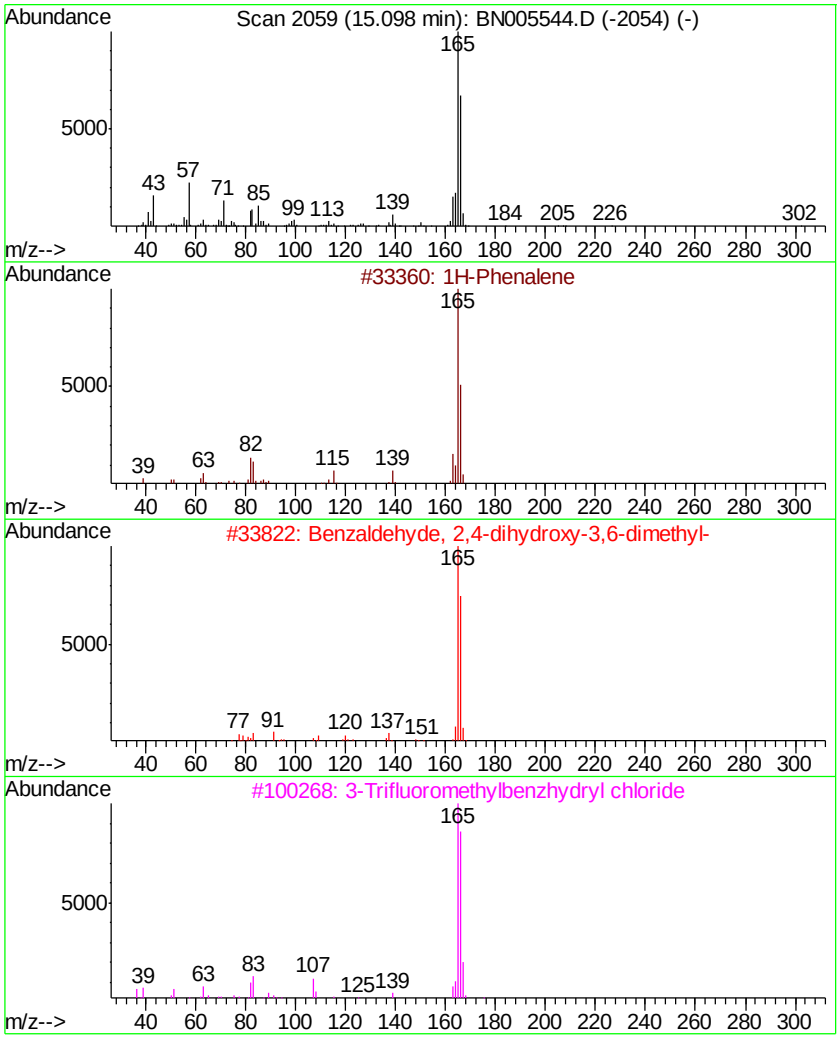
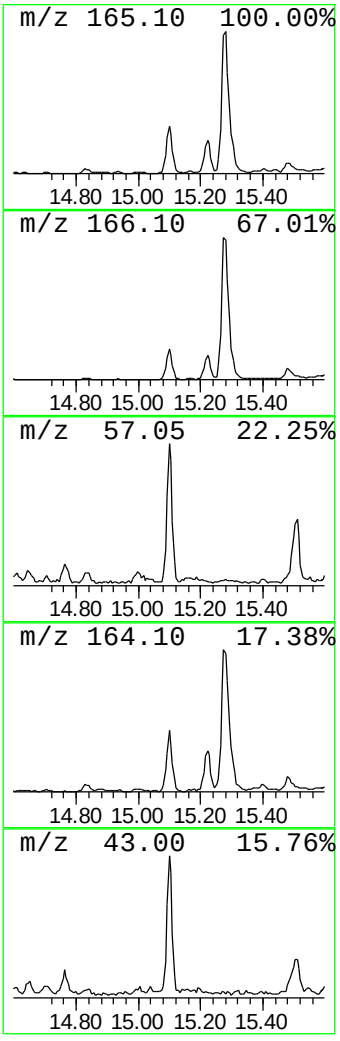
Peak Number 14 1H-Phenalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	3.98 ng/ul	598649	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	72
2	Benzaldehyde, 2,4-dihydroxy-3,6-...	166	C9H10O3	034883-14-2	64
3	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	64
4	Fluorene, 9-chloro-	200	C13H9Cl	006630-65-5	53
5	1,3-Benzodioxole-5-carboxylic acid	166	C8H6O4	000094-53-1	50





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Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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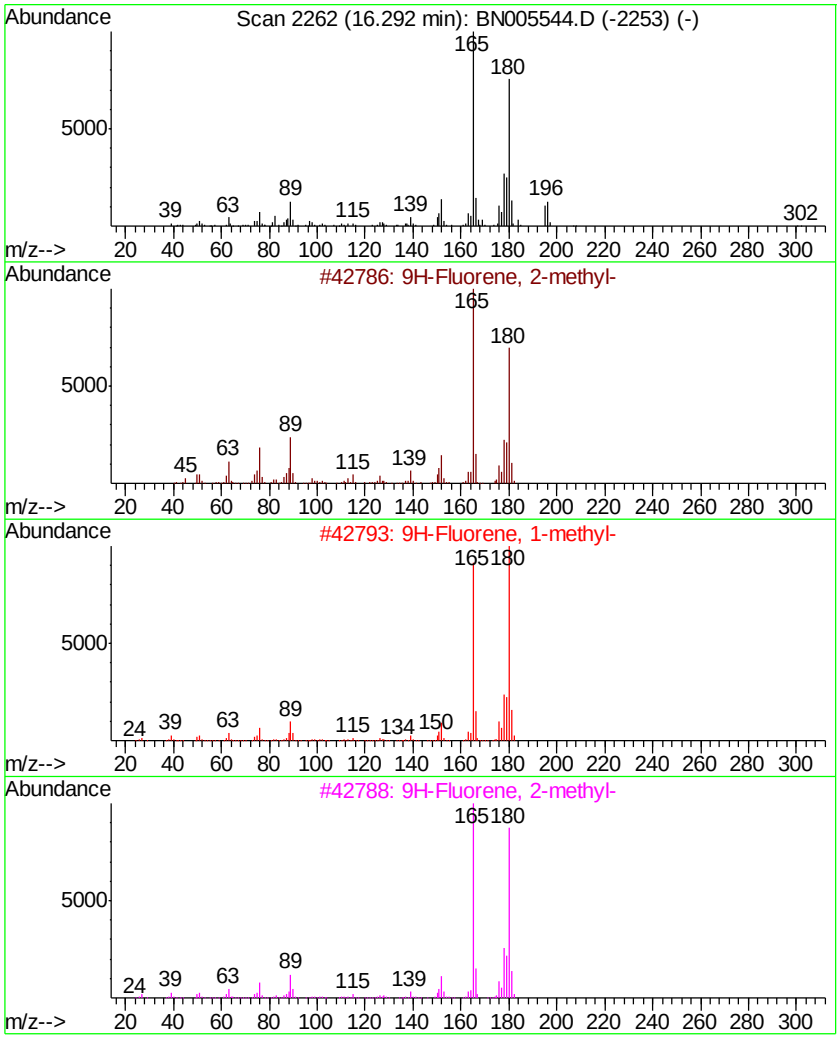
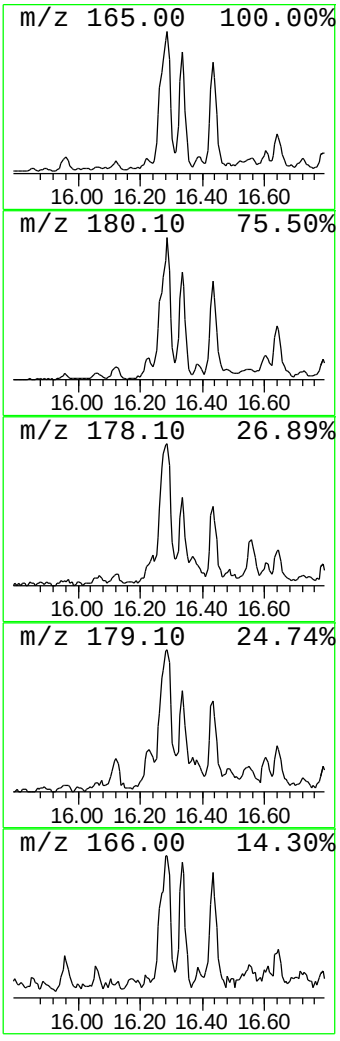
Peak Number 16 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	4.19 ng/ul	724824	Phenanthrene-d10	16.97

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





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Quant Title : SVOA CALIBRATION

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

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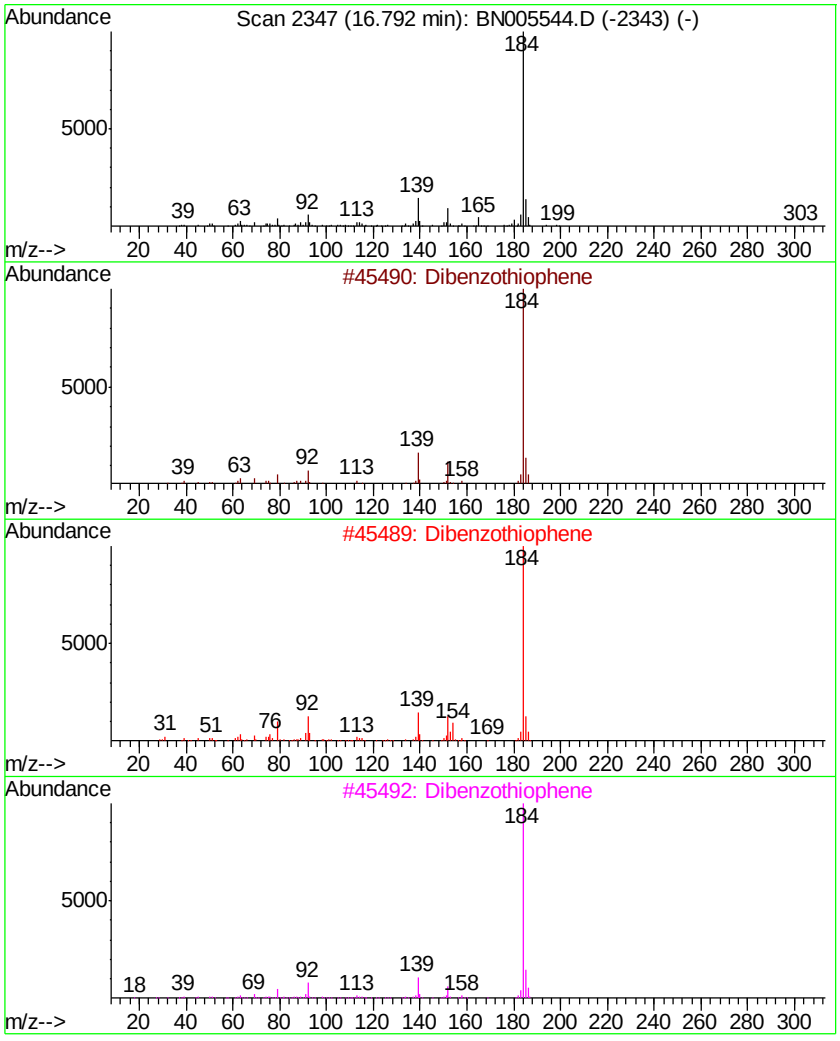
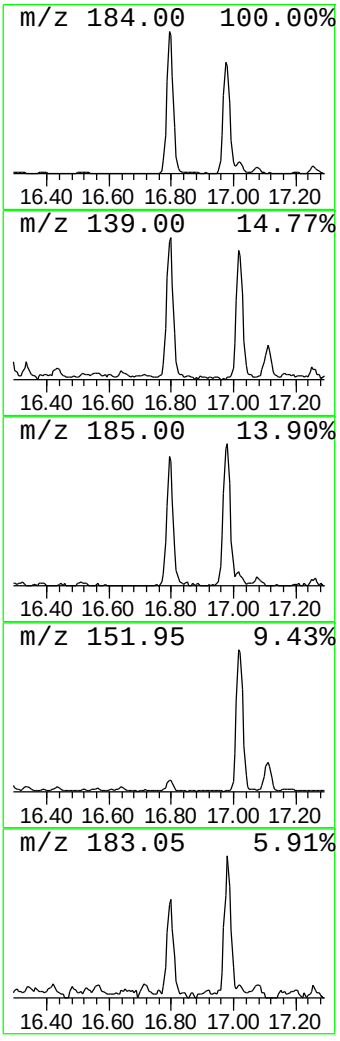
Peak Number 17 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	4.18 ng/ul	722683	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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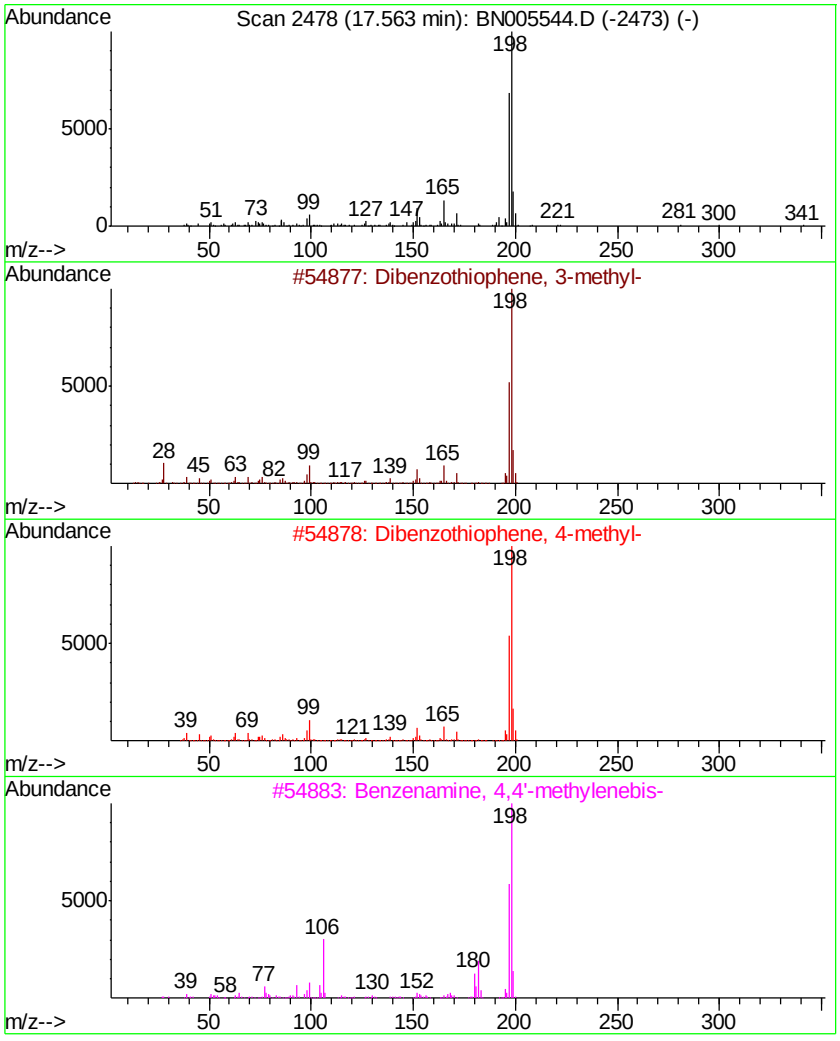
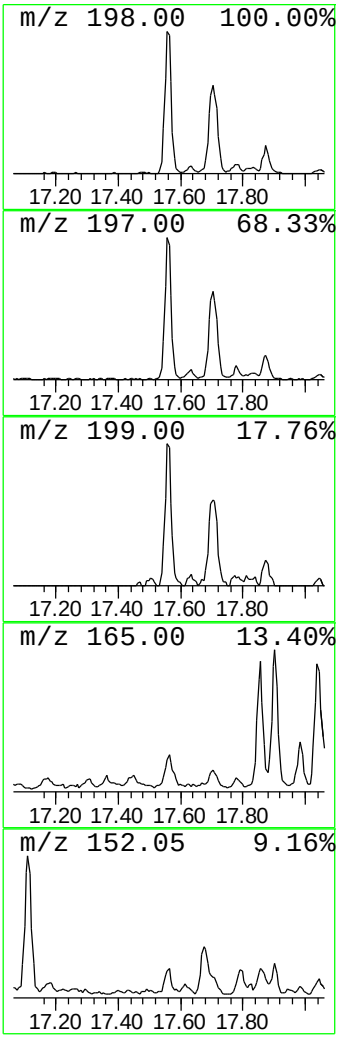
Peak Number 18 Dibenzothiophene, 3-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	2.38 ng/ul	410772	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
4	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	59
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	59





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Quant Title : SVOA CALIBRATION

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

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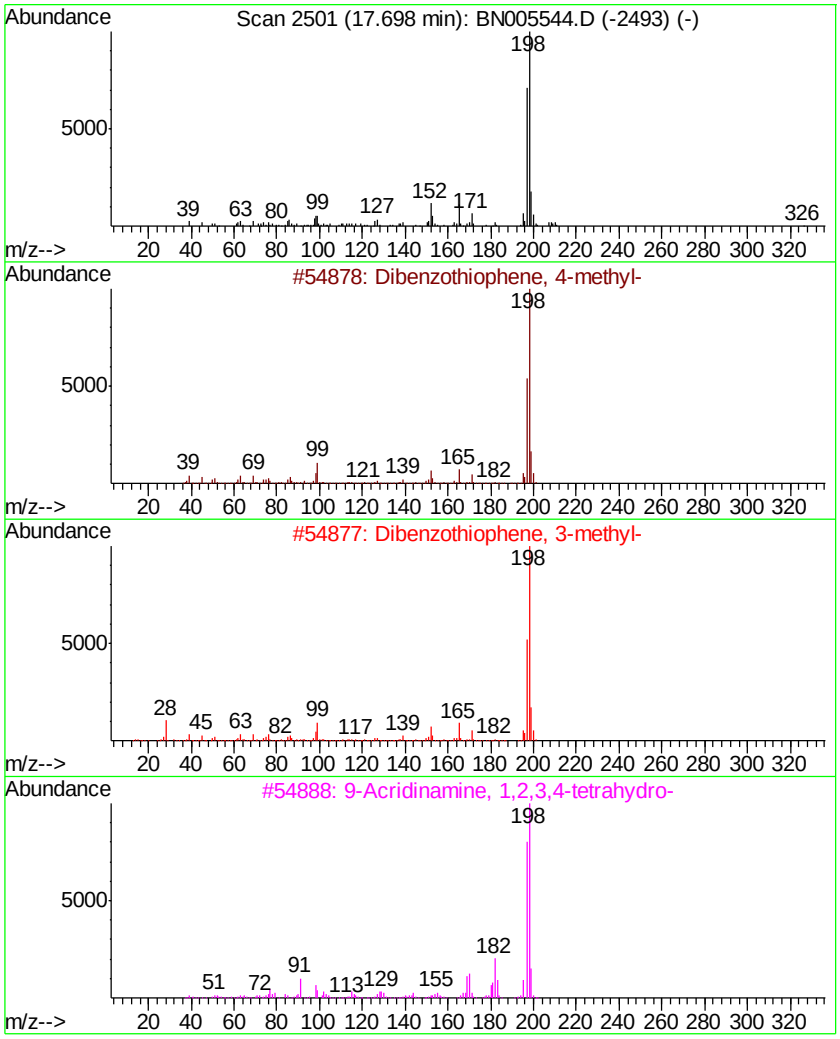
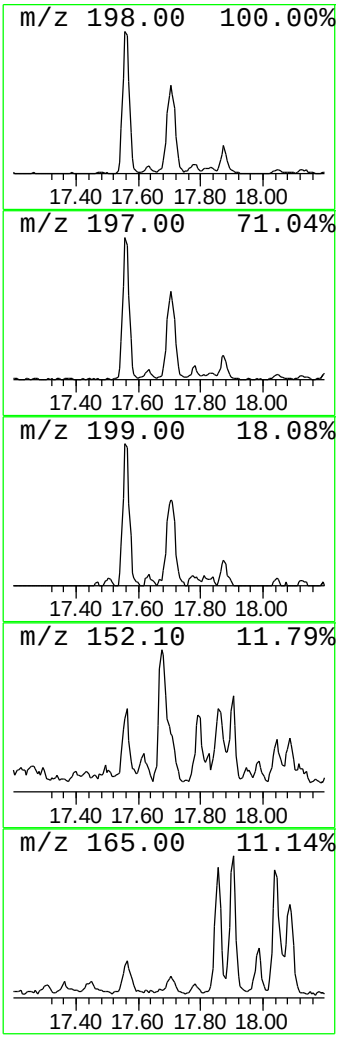
Peak Number 19 Dibenzothiophene, 4-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	2.56 ng/ul	442337	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
3	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	80
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80
5	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	72





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Misc :
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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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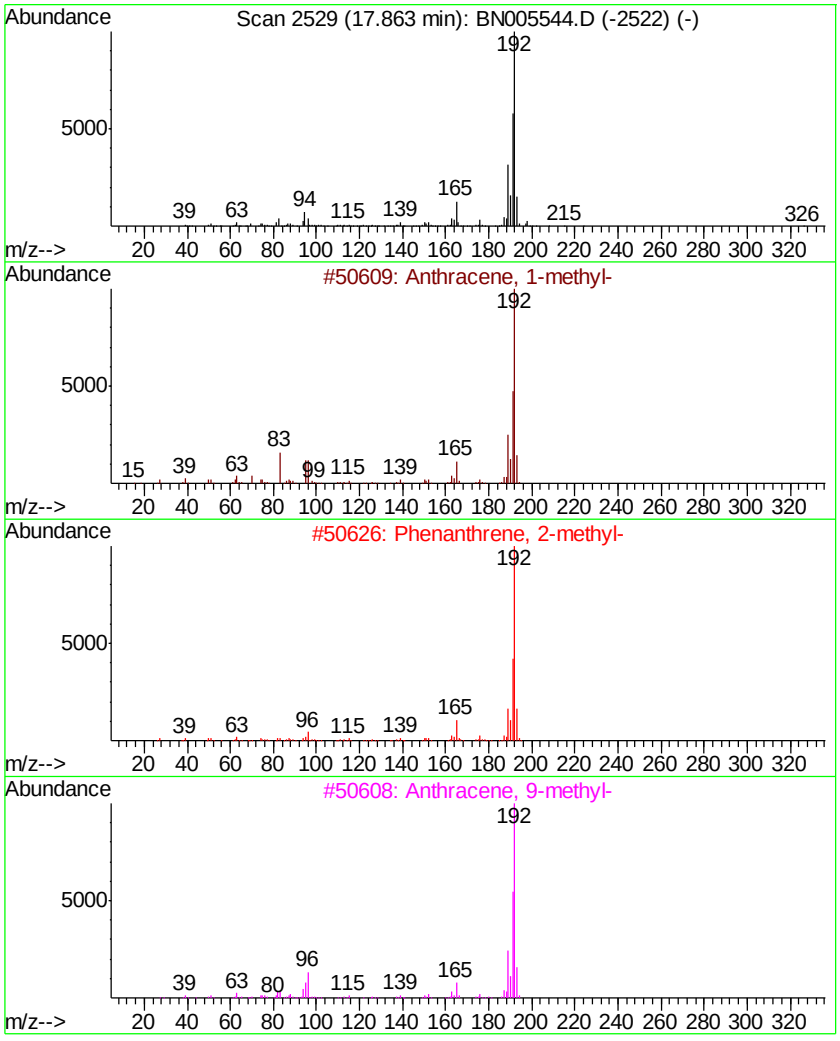
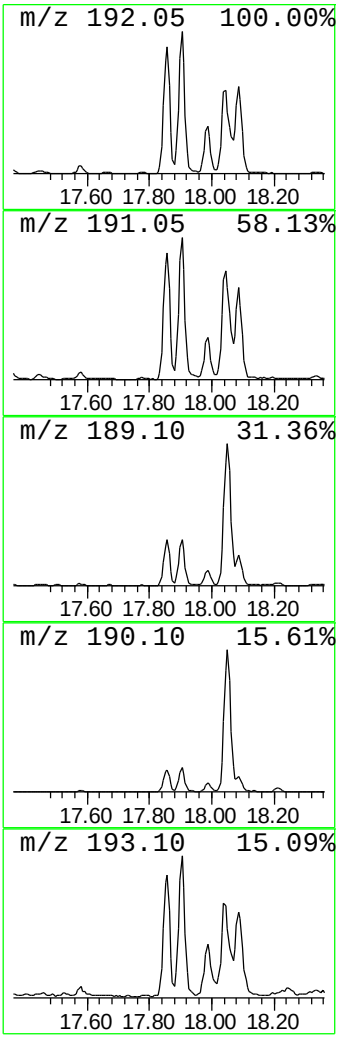
Peak Number 20 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	8.28 ng/ul	1431950	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005544.D
Acq On : 08 May 2019 22:18
Operator : JU/SJ
Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 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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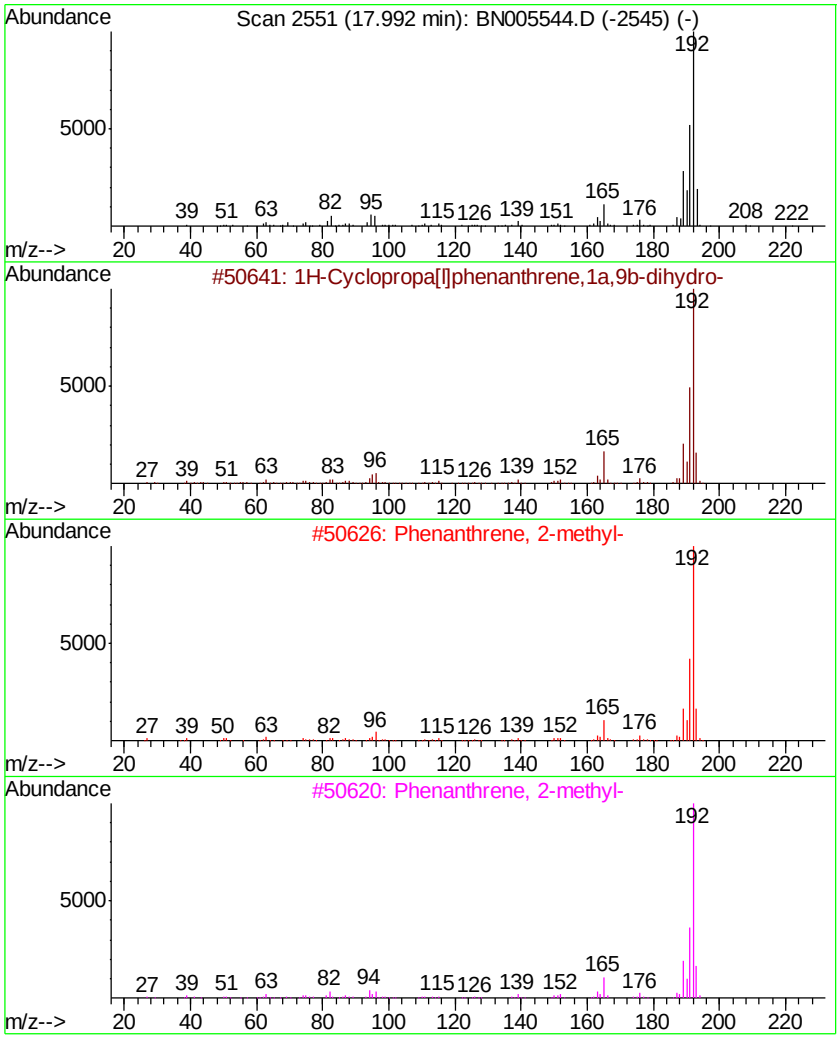
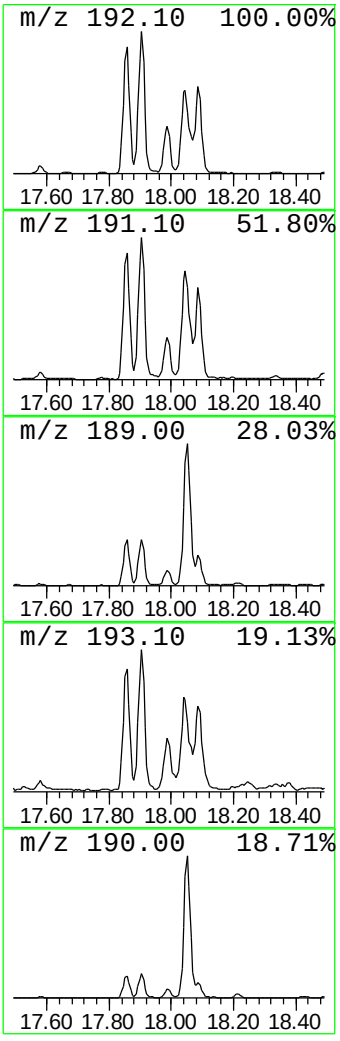
Peak Number 22 1H-Cyclopropa[l]phenanthren... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	2.90 ng/ul	500714	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Acq On : 08 May 2019 22:18
Operator : JU/SJ
Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 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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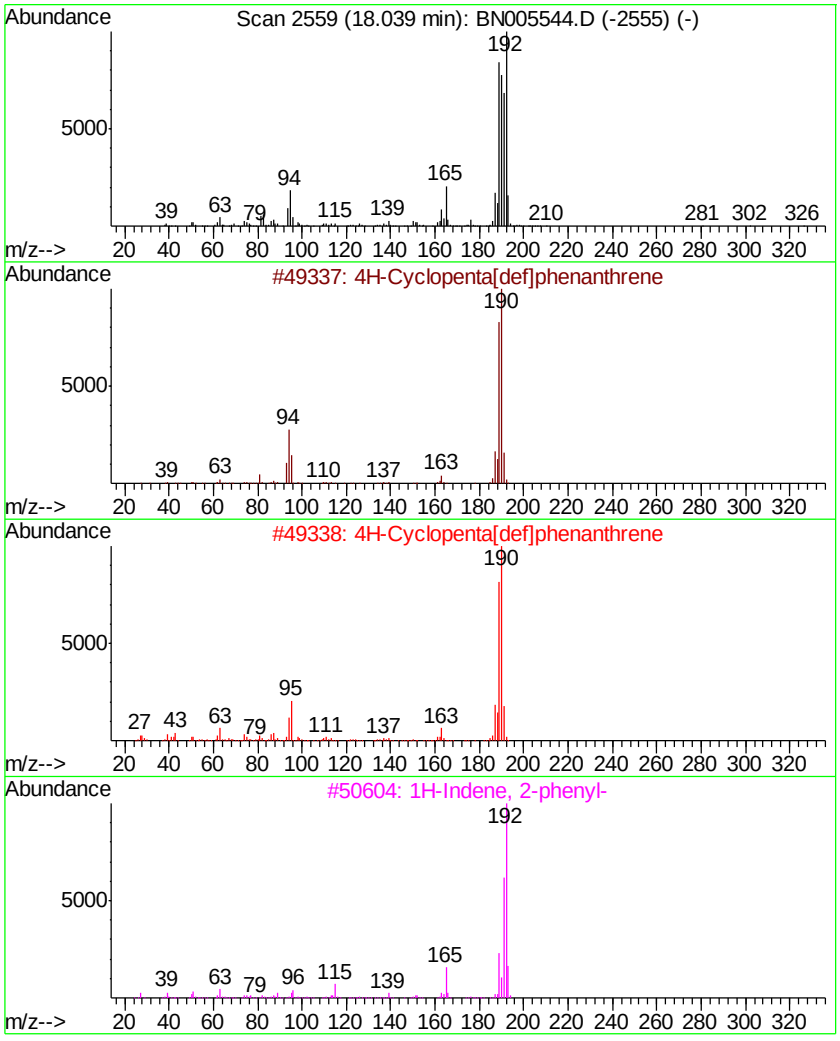
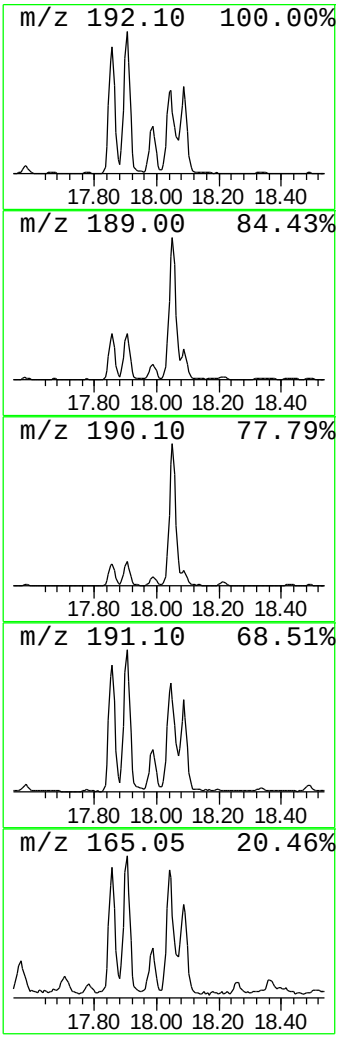
Peak Number 23 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	15.04 ng/ul	2599320	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





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Acq On : 08 May 2019 22:18
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Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 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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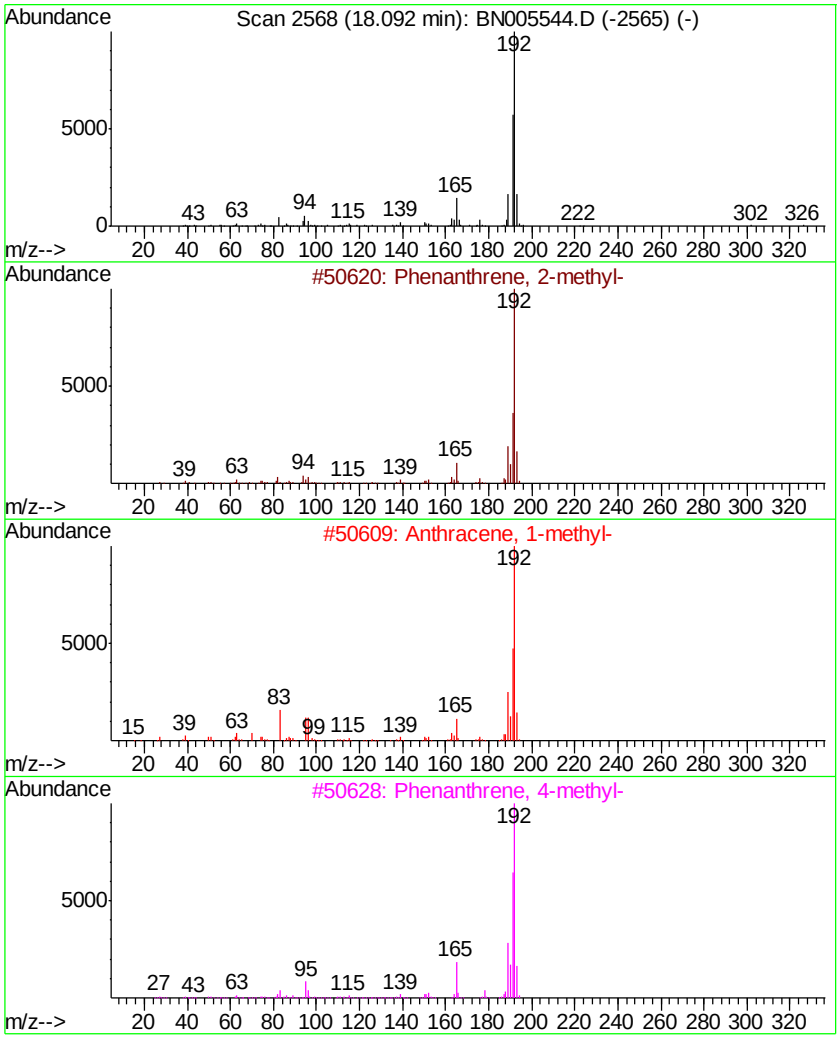
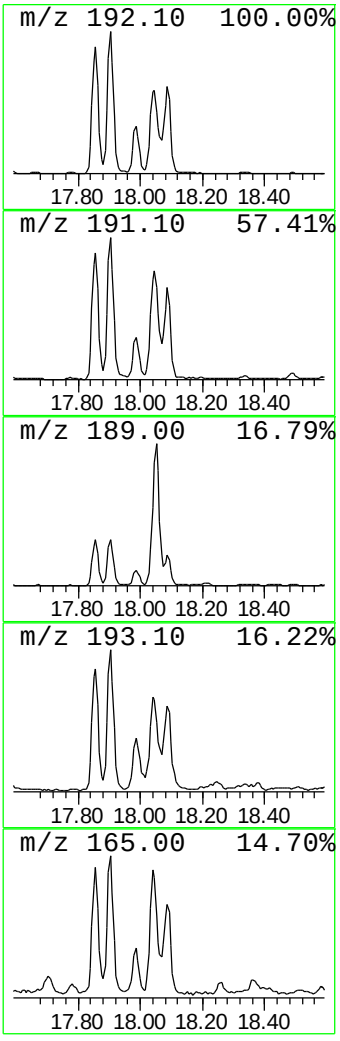
Peak Number 24 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	5.00 ng/ul	865041	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80





Library Search Compound Report

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Acq On : 08 May 2019 22:18
Operator : JU/SJ
Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 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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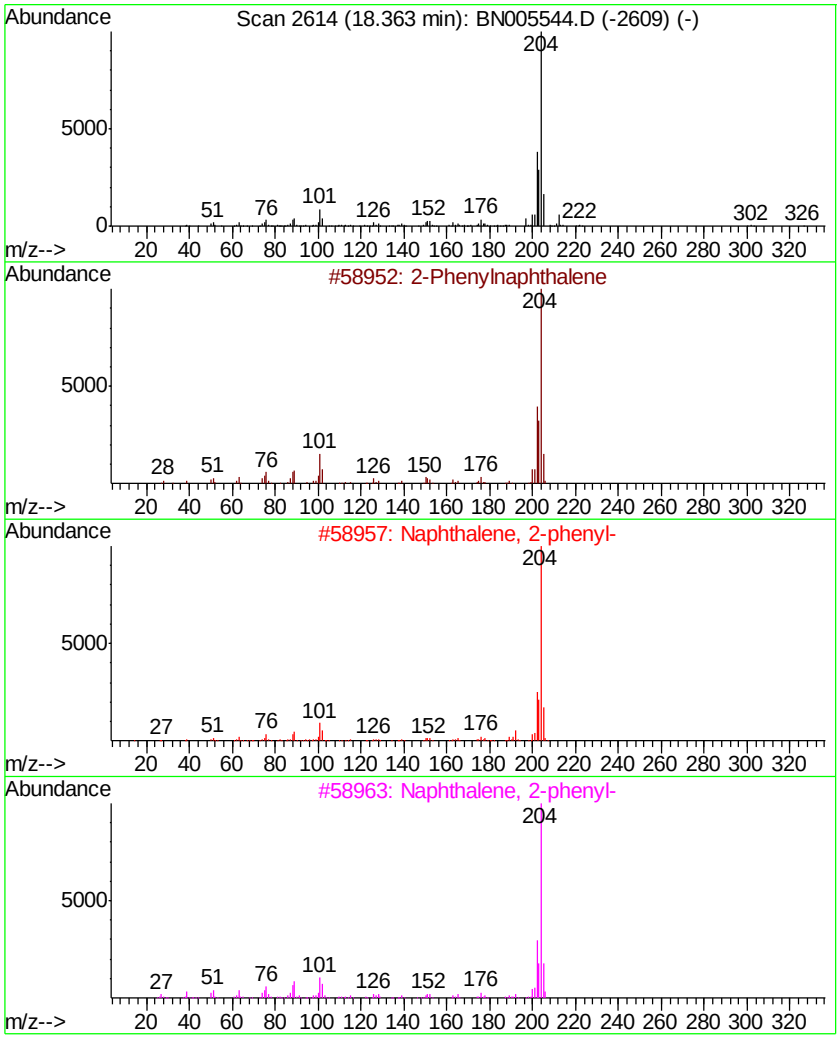
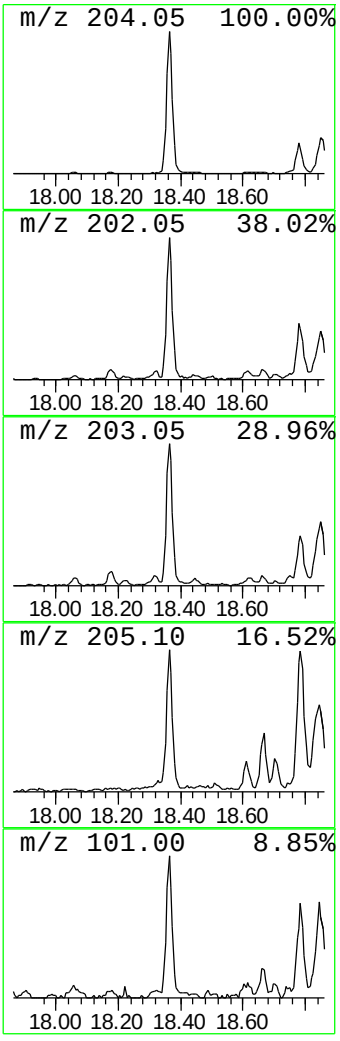
Peak Number 25 2-Phenylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	4.53 ng/ul	783406	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	93
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62





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Acq On : 08 May 2019 22:18
Operator : JU/SJ
Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 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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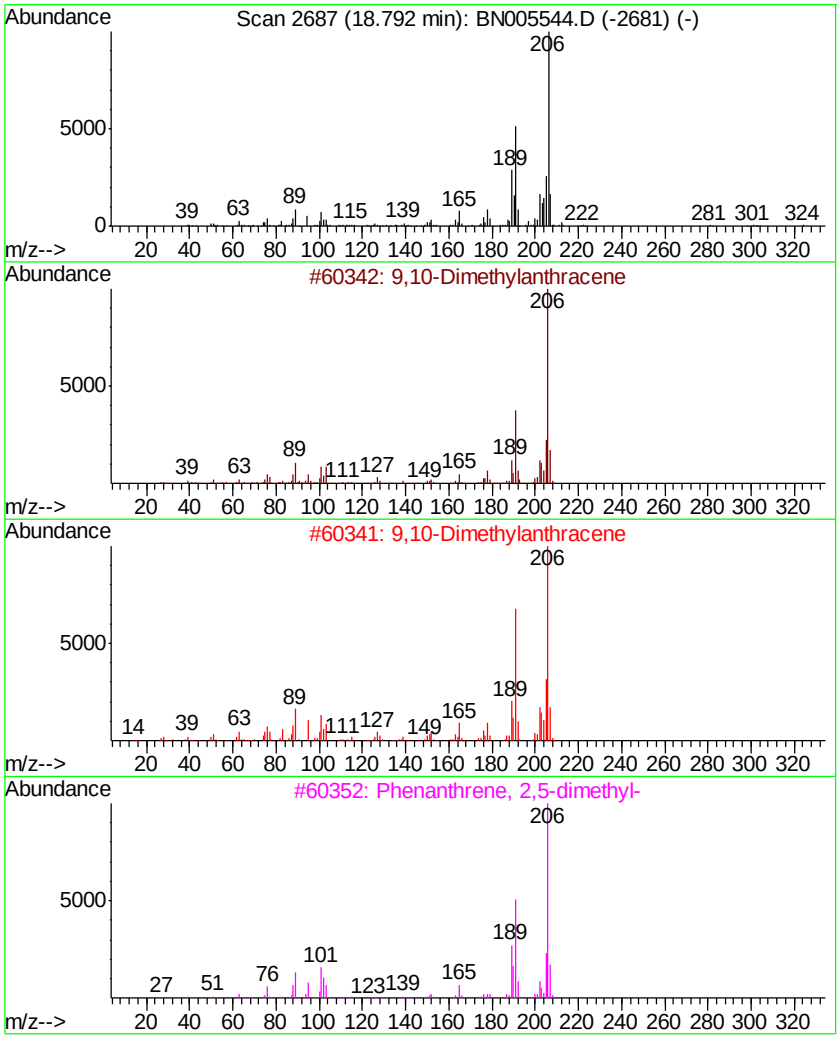
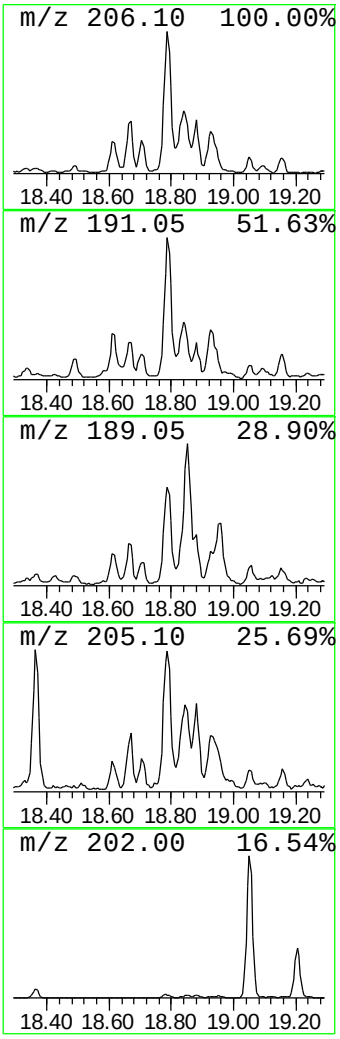
Peak Number 26 9,10-Dimethylanthracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	5.34 ng/ul	922279	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





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Acq On : 08 May 2019 22:18
Operator : JU/SJ
Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 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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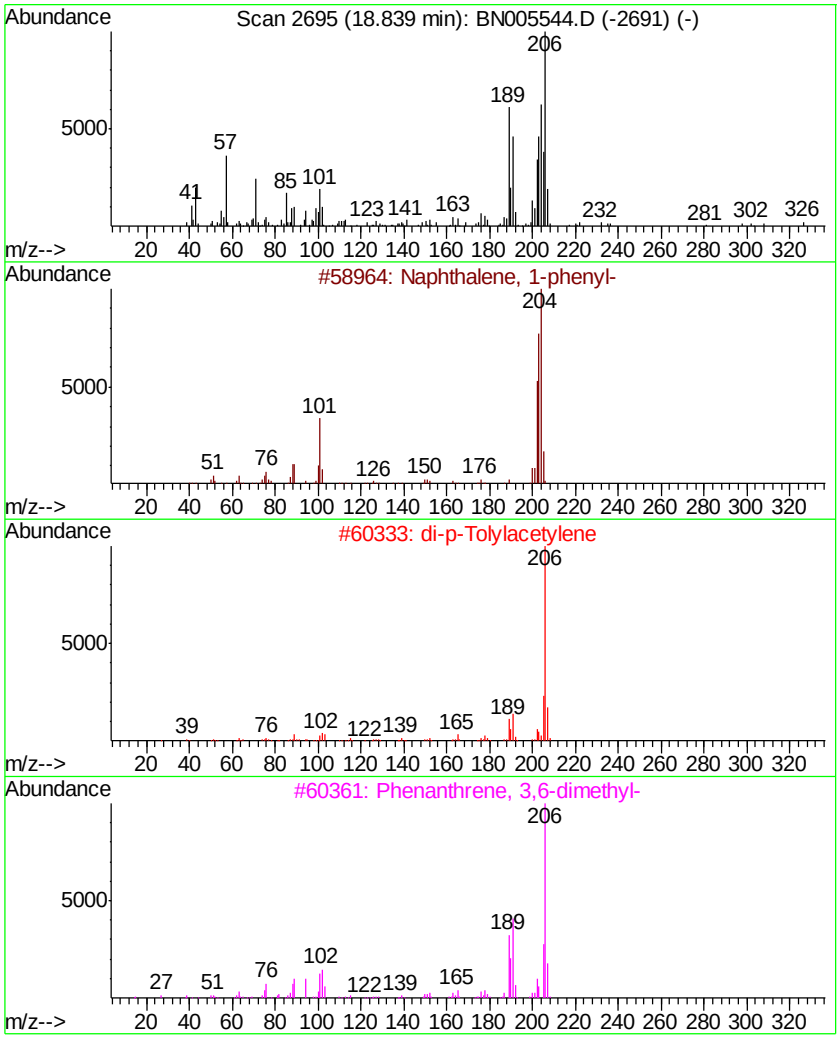
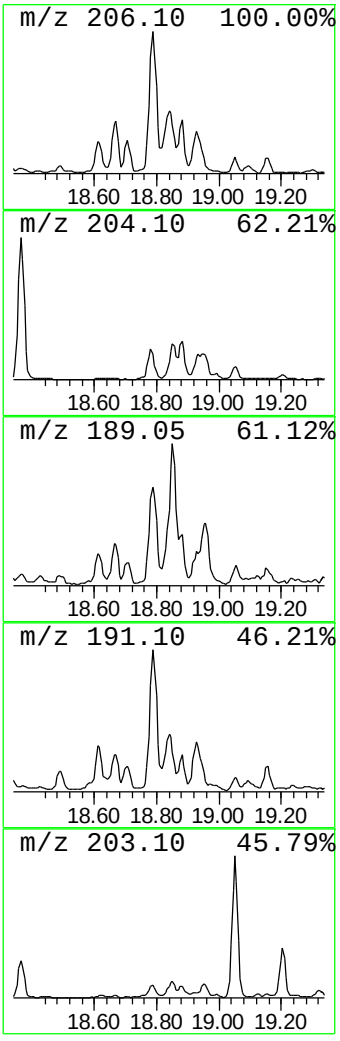
Peak Number 27 Naphthalene, 1-phenyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	3.40 ng/ul	588367	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	46
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	41
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	35





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Acq On : 08 May 2019 22:18
Operator : JU/SJ
Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 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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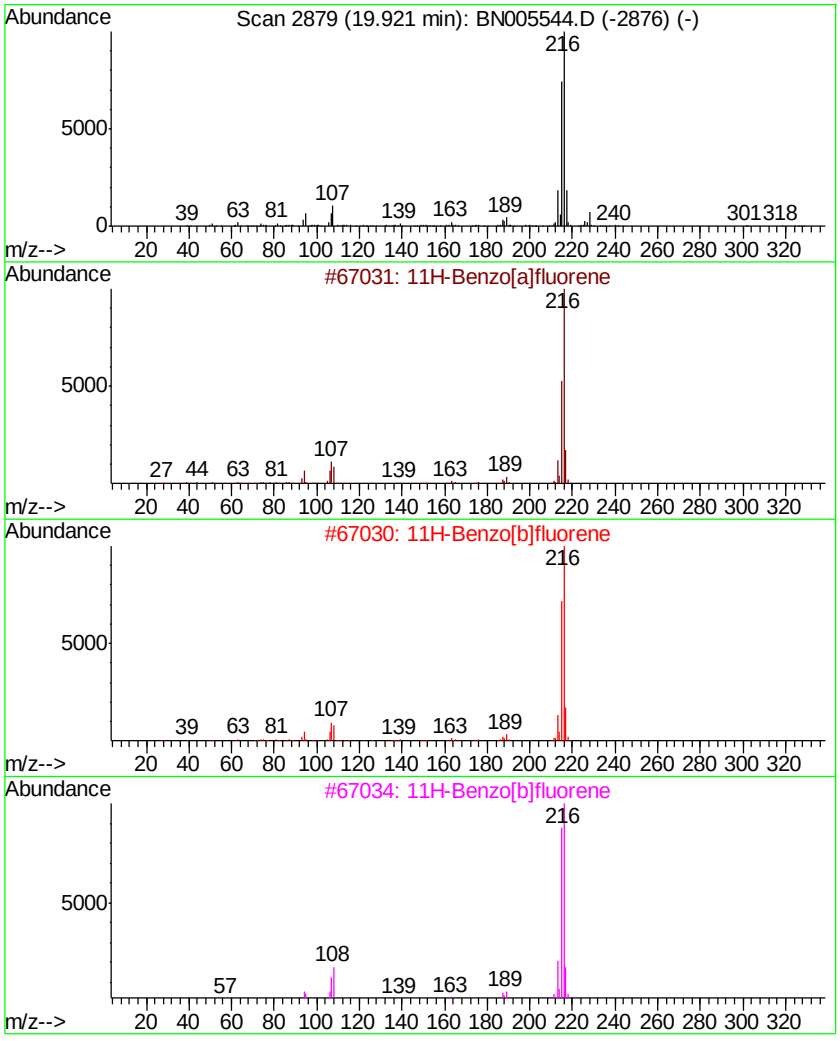
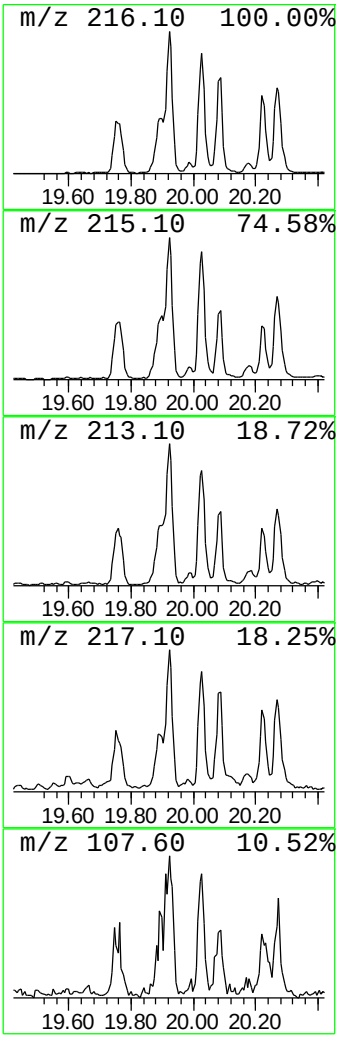
Peak Number 30 11H-Benzo[a]fluorene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	3.33 ng/ul	1025280	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





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Acq On : 08 May 2019 22:18
Operator : JU/SJ
Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 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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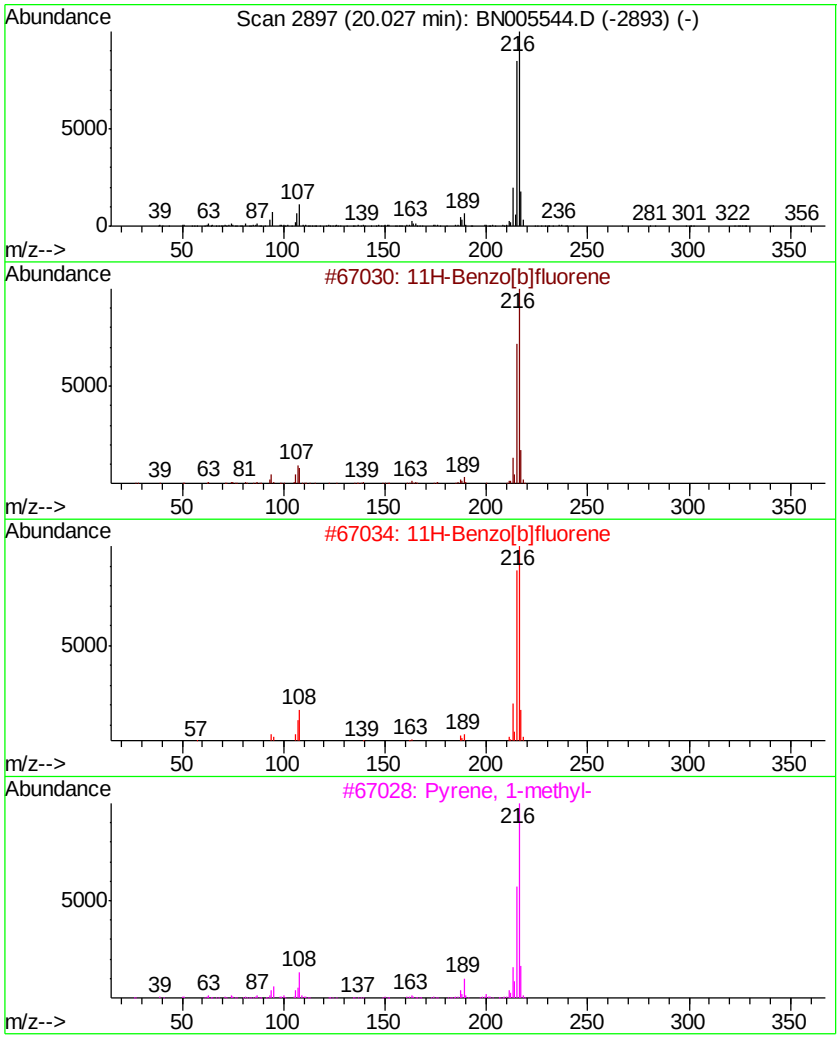
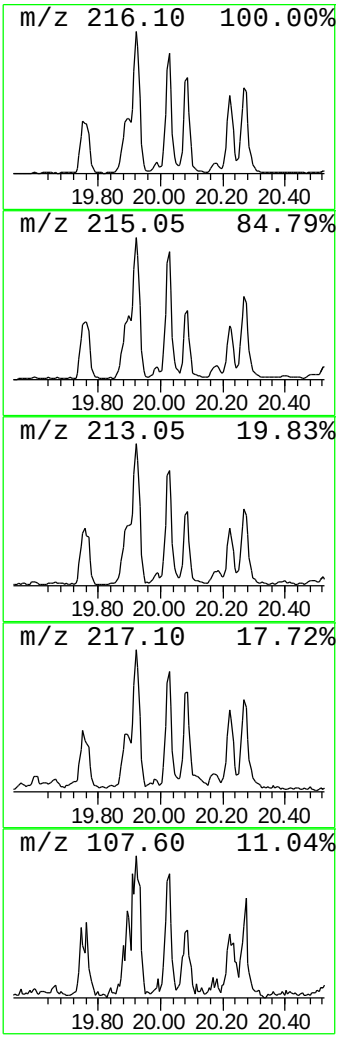
Peak Number 31 11H-Benzo[b]fluorene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	2.49 ng/ul	767440	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	98
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 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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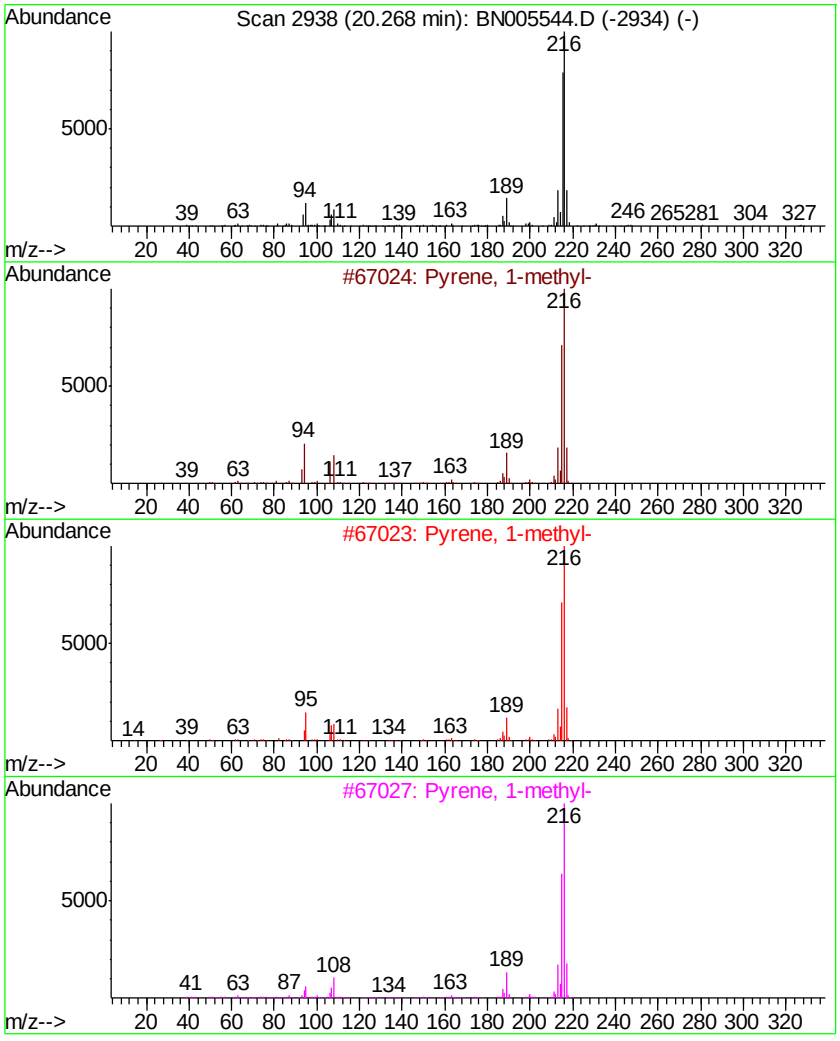
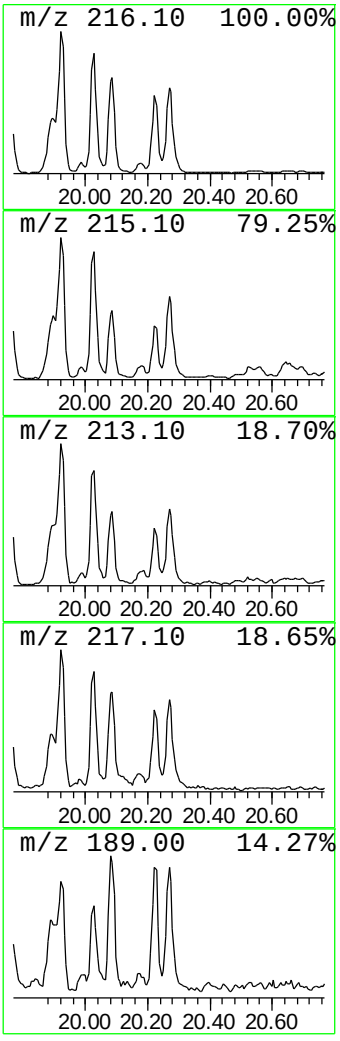
Peak Number 32 Pyrene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	2.45 ng/ul	755138	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93





Tentatively Identified Compound (LSC) summary

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Data File : BN005544.D
Acq On : 08 May 2019 22:18
Operator : JU/SJ
Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 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	4.8	ng/ul	292027	1	7.59	1212650	20.0
Bicyclo[4.2.0]oct...	7.25	9.6	ng/ul	579172	1	7.59	1212650	20.0
Indene	8.11	19.5	ng/ul	1183940	1	7.59	1212650	20.0
1H-Indene, 1-methyl-	9.79	4.4	ng/ul	433778	2	10.35	1963540	20.0
2-Methylindene	9.85	3.2	ng/ul	316337	2	10.35	1963540	20.0
Naphthalene, 1-me...	12.24	29.9	ng/ul	2935420	2	10.35	1963540	20.0
Naphthalene, 1-et...	13.25	2.2	ng/ul	328149	3	14.22	3007060	20.0
Naphthalene, 2,7-...	13.38	4.3	ng/ul	647821	3	14.22	3007060	20.0
Naphthalene, 1,6-...	13.54	9.4	ng/ul	1411850	3	14.22	3007060	20.0
Naphthalene, 2,3-...	13.77	4.0	ng/ul	599444	3	14.22	3007060	20.0
1,1'-Biphenyl, 3-...	14.83	4.0	ng/ul	602646	3	14.22	3007060	20.0
1H-Phenalene	15.10	4.0	ng/ul	598649	3	14.22	3007060	20.0
9H-Fluorene, 2-me...	16.29	4.2	ng/ul	724824	4	16.97	3457250	20.0
Dibenzothiophene	16.79	4.2	ng/ul	722683	4	16.97	3457250	20.0
Dibenzothiophene,...	17.56	2.4	ng/ul	410772	4	16.97	3457250	20.0
Dibenzothiophene,...	17.70	2.6	ng/ul	442337	4	16.97	3457250	20.0
Anthracene, 1-met...	17.86	8.3	ng/ul	1431950	4	16.97	3457250	20.0
1H-Cyclopropa[l]p...	17.99	2.9	ng/ul	500714	4	16.97	3457250	20.0
4H-Cyclopenta[def...	18.04	15.0	ng/ul	2599320	4	16.97	3457250	20.0
Phenanthrene, 2-m...	18.09	5.0	ng/ul	865041	4	16.97	3457250	20.0
2-Phenylnaphthalene	18.36	4.5	ng/ul	783406	4	16.97	3457250	20.0
9,10-Dimethylanth...	18.79	5.3	ng/ul	922279	4	16.97	3457250	20.0
Naphthalene, 1-ph...	18.84	3.4	ng/ul	588367	4	16.97	3457250	20.0
11H-Benzo[a]fluorene	19.92	3.3	ng/ul	1025280	5	21.20	6155370	20.0
11H-Benzo[b]fluorene	20.03	2.5	ng/ul	767440	5	21.20	6155370	20.0
Pyrene, 1-methyl-	20.27	2.5	ng/ul	755138	5	21.20	6155370	20.0