LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005550.D
Acq On : 09 May 2019 01:46
Operator : JU/SJ
Sample : K2604-21 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ92

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	7.587	774	782	793	rBV	1121230	1875955	2.88%	0.273%
2	9.787	1146	1156	1162	rVV3	762013	2013117	3.09%	0.293%
3	10.351	1243	1252	1255	rBV	1616589	2917904	4.48%	0.425%
4	10.410	1255	1262	1269	rVB	13529453	23994800	36.86%	3.493%
5	11.875	1505	1511	1527	rVB3	489190	1654571	2.54%	0.241%
6	12.034	1527	1538	1544	rBV	18397752	32628740	50.13%	4.751%
7	12.251	1562	1575	1584	rBV	12888515	21622601	33.22%	3.148%
8	13.051	1704	1711	1724	rBV	4992680	7806830	11.99%	1.137%
9	13.245	1738	1744	1756	rVB	1730161	3904688	6.00%	0.568%
10	13.381	1760	1767	1769	rBV2	3912384	6344908	9.75%	0.924%
11	13.545	1786	1795	1800	rBV	7390855	13351464	20.51%	1.944%
12	13.598	1800	1804	1812	rVV	4582957	7100017	10.91%	1.034%
13	13.681	1812	1818	1823	rVB	6221259	8917050	13.70%	1.298%
14	13.781	1829	1835	1839	rBV	3448769	5681063	8.73%	0.827%
15	13.816	1839	1841	1852	rVB	1089537	1476363	2.27%	0.215%
16	13.951	1853	1864	1877	rVB	16175812	25825406	39.68%	3.760%
17	14.204	1900	1907	1916	rBV3	2942575	7458989	11.46%	1.086%
18	14.286	1916	1921	1924	rBV	2008747	3068842	4.71%	0.447%
19	14.316	1924	1926	1931	rVB	1180897	1367728	2.10%	0.199%
20	14.439	1941	1947	1956	rBV	583895	1403386	2.16%	0.204%
21	14.628	1969	1979	1987	rBV2	2851189	5527018	8.49%	0.805%
22	14.710	1987	1993	1997	rVB	1849996	2495295	3.83%	0.363%
23	14.839	2008	2015	2020	rBV2	2943492	6167543	9.48%	0.898%
24	14.904	2023	2026	2029	rVB	1187997	1360860	2.09%	0.198%
25	14.998	2037	2042	2045	rBV	1187536	1994905	3.06%	0.290%
26	15.104	2055	2060	2066	rVB	3986364	5504168	8.46%	0.801%
27	15.222	2075	2080	2085	rVB2	2872515	4559217	7.00%	0.664%
28	15.304	2085	2094	2102	rVB3	1820065	4169572	6.41%	0.607%
29	15.486	2120	2125	2135	rVB3	1481012	3366561	5.17%	0.490%
30	15.575	2135	2140	2144	rBV2	1468085	2665085	4.09%	0.388%
31	15.616	2144	2147	2155	rVB2	1307124	2378873	3.65%	0.346%
32	15.692	2155	2160	2164	rBV	4819321	6996113	10.75%	1.019%
33	15.963	2200	2206	2210	rBV2	1388832	2205733	3.39%	0.321%
34	16.286	2255	2261	2267	rVV3	1249276	3041792	4.67%	0.443%

LSC Area Percent Report

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Sample : K2604-21 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ92

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	16.433	2282	2286	2292	rBV4	1044238	1723376	2.65%	0.251%
36	16.563	2303	2308	2311	rVV2	858166	1358653	2.09%	0.198%
37	16.645	2318	2322	2329	rVB2	1674250	2480623	3.81%	0.361%
38	16.798	2343	2348	2358	rVB	5076892	8255714	12.68%	1.202%
39	16.986	2374	2380	2382	rBV	2410393	4064968	6.25%	0.592%
40	17.051	2382	2391	2395	rVV2	32200204	65089695	100.00%	9.477%
41	17.122	2395	2403	2408	rVV	12215730	17894583	27.49%	2.605%
42	17.175	2408	2412	2418	rVV3	815629	1428427	2.19%	0.208%
43	17.504	2463	2468	2473	rVV2	2011116	2584817	3.97%	0.376%
44	17.563	2473	2478	2488	rVB3	2860113	4783782	7.35%	0.696%
45	17.704	2499	2502	2510	rVB	1732673	3178923	4.88%	0.463%
46	17.786	2510	2516	2523	rBV2	1317509	2495512	3.83%	0.363%
47	17.863	2523	2529	2533	rBV	9028449	13452703	20.67%	1.959%
48	17.916	2533	2538	2546	rVB	10528384	14345186	22.04%	2.089%
49	17.992	2546	2551	2556	rBV	4145788	6202910	9.53%	0.903%
50	18.057	2556	2562	2566	rBV2	11379289	20715616	31.83%	3.016%
51	18.098	2566	2569	2577	rVB	6444951	8396394	12.90%	1.222%
52	18.369	2610	2615	2619	rVV	5089368	7112442	10.93%	1.036%
53	18.422	2622	2624	2633	rVB4	793900	1249228	1.92%	0.182%
54	18.616	2654	2657	2662	rVV3	1027580	1371446	2.11%	0.200%
55	18.669	2662	2666	2669	rVV	1344594	1611231	2.48%	0.235%
56	18.710	2669	2673	2677	rVB2	1102198	1583575	2.43%	0.231%
57	18.792	2677	2687	2692	rBV2	5063481	9395035	14.43%	1.368%
58	18.857	2692	2698	2701	rVV3	2865039	6160379	9.46%	0.897%
59	18.886	2701	2703	2707	rVV	2705757	3018253	4.64%	0.439%
60	18.939	2707	2712	2719	rVV3	2413516	5268562	8.09%	0.767%
61	19.069	2726	2734	2740	rBV	20105067	30233412	46.45%	4.402%
62	19.216	2754	2759	2764	rVB	8184655	11108042	17.07%	1.617%
63	19.304	2770	2774	2776	rBV	951874	1340477	2.06%	0.195%
64	19.333	2776	2779	2786	rVB	1401957	2129651	3.27%	0.310%
65	19.439	2786	2797	2804	rBV	24284944	42049561	64.60%	6.122%
66	19.510	2804	2809	2814	rVB2	1050377	1709706	2.63%	0.249%
67	19.598	2820	2824	2832	rVB3	766960	1351697	2.08%	0.197%
68	19.757	2846	2851	2861	rVB2	2460878	5209078	8.00%	0.758%
69	19.898	2869	2875	2877	rBV2	2504879	4544850	6.98%	0.662%
70	19.927	2877	2880	2885	rVB	6033517	8530238	13.11%	1.242%
71	20.033	2893	2898	2903	rBV	4528193	5817112	8.94%	0.847%

LSC Area Percent Report

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Sample : K2604-21 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ92

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

72	20.092	2903	2908	2912	rBV2	3638734	4585860	7.05%	0.668%
73	20.186	2919	2924	2928	rBV2	1445012	2493733	3.83%	0.363%
74	20.227	2928	2931	2935	rVV	2760832	4097072	6.29%	0.597%
75	20.274	2935	2939	2948	rVB	4207418	6834578	10.50%	0.995%
76	20.645	2997	3002	3006	rBV	880291	1871306	2.87%	0.272%
77	20.851	3033	3037	3040	rVV2	2022070	2612291	4.01%	0.380%
78	20.892	3040	3044	3047	rVB	2555371	2834807	4.36%	0.413%
79	20.927	3047	3050	3054	rBV	1318936	1665982	2.56%	0.243%
80	21.092	3072	3078	3082	rBV	737542	1279592	1.97%	0.186%
81	21.204	3091	3097	3102	rBV3	12799955	23534338	36.16%	3.426%
82	21.251	3102	3105	3111	rVV	8990743	11521711	17.70%	1.677%
83	21.368	3122	3125	3131	rBV2	729258	1444080	2.22%	0.210%
84	21.763	3186	3192	3197	rVV2	2647213	4641354	7.13%	0.676%
85	21.810	3197	3200	3205	rVB	1383462	1819737	2.80%	0.265%
86	21.880	3207	3212	3214	rVV3	859085	1420445	2.18%	0.207%
87	21.910	3214	3217	3221	rVV2	1159561	1596317	2.45%	0.232%
88	21.957	3221	3225	3227	rVV	1239475	1693030	2.60%	0.246%
89	21.986	3227	3230	3237	rVB3	1881737	2772642	4.26%	0.404%
90	22.057	3237	3242	3249	rVB2	801479	1232913	1.89%	0.180%
91	22.768	3356	3363	3368	rBV	3610842	9225733	14.17%	1.343%
92	22.927	3384	3390	3396	rBV	1544053	2664865	4.09%	0.388%
93	23.227	3435	3441	3447	rBV	2820252	5071808	7.79%	0.738%
94	23.321	3451	3457	3464	rVV	5522811	9948783	15.28%	1.448%
95	23.410	3467	3472	3477	rVV	1796729	3510545	5.39%	0.511%
96	23.462	3477	3481	3488	rVB2	931113	1908738	2.93%	0.278%
97	24.257	3610	3616	3628	rVB	827054	2082838	3.20%	0.303%
98	25.598	3836	3844	3854	rVB	1630485	4536802	6.97%	0.661%
99	26.268	3949	3958	3970	rVB	1331058	3727365	5.73%	0.543%
100	26.615	4010	4017	4029	rVB	674072	2124208	3.26%	0.309%

Sum of corrected areas: 686846487

LSC Report - Integrated Chromatogram

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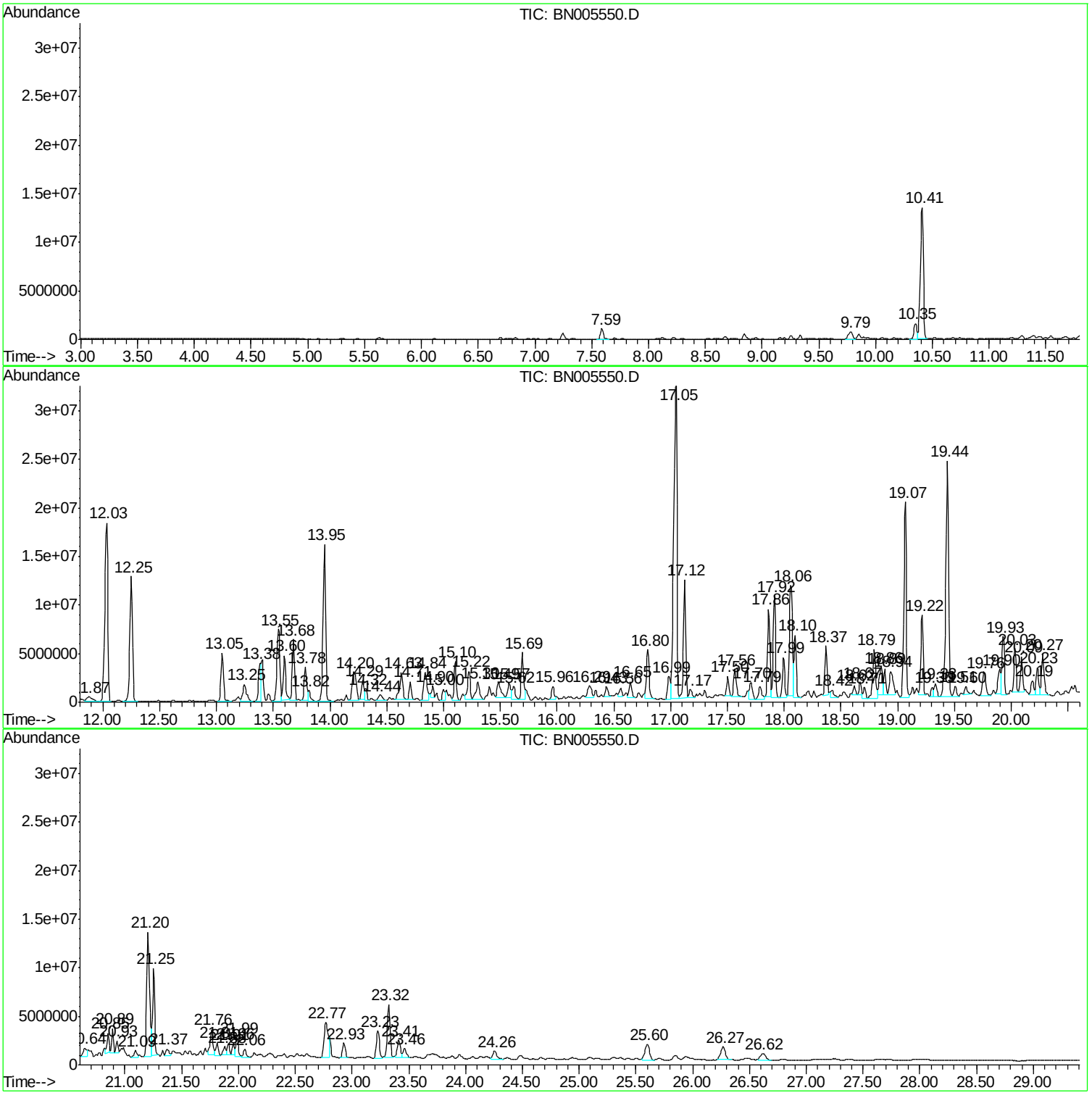
Sample : K2604-21 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ92

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

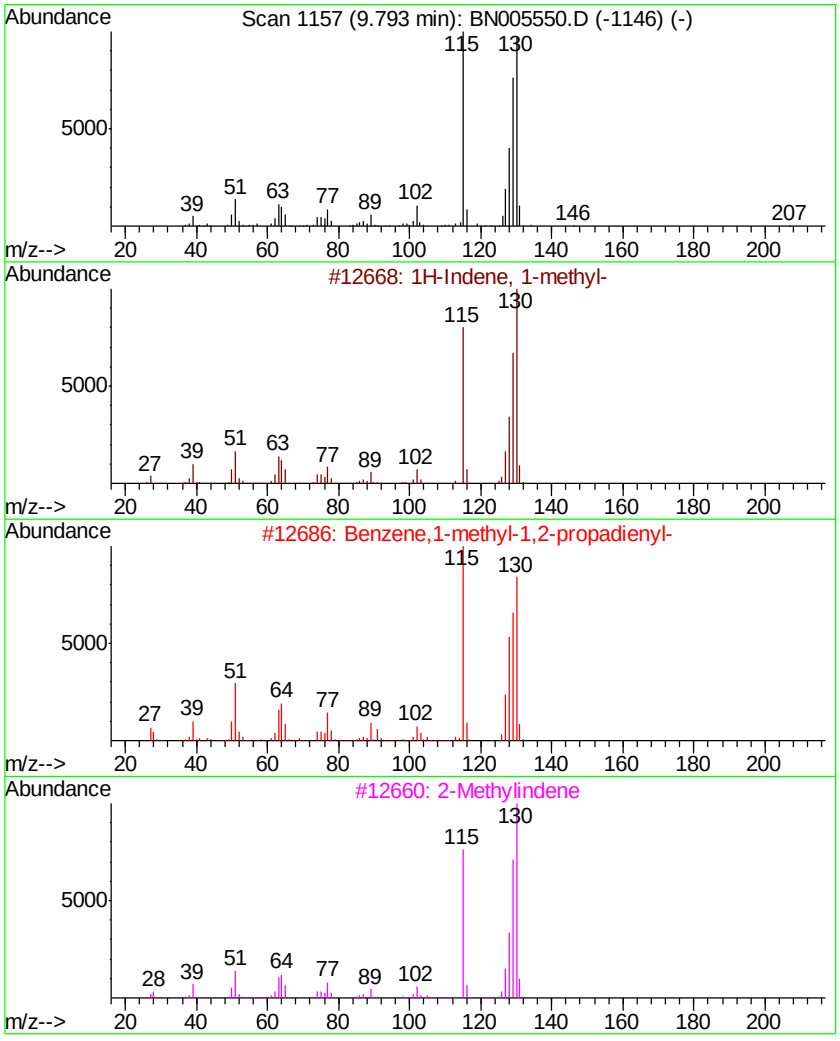
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

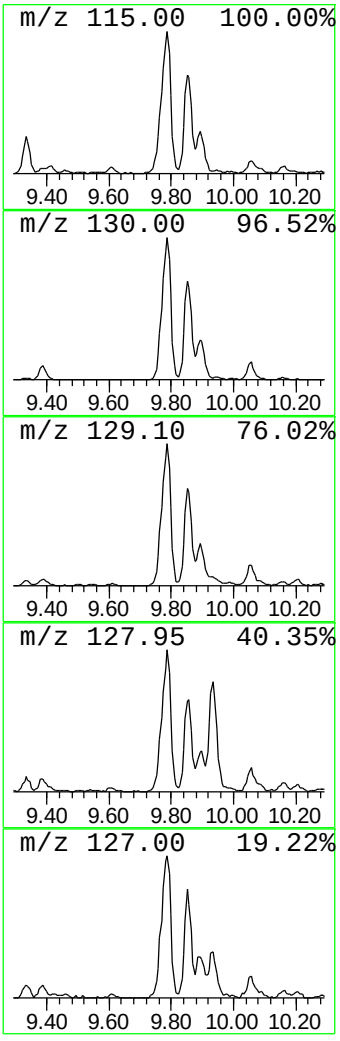
****

Peak Number 1 1H-Indene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	13.80 ng/ul	2013120	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	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
3	2-Methylindene	130	C10H10	002177-47-1	93
4	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	92
5	2-Methylindene	130	C10H10	002177-47-1	91





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Misc :
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Instrument : BNA_N
ClientSampleId : GAJ92

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

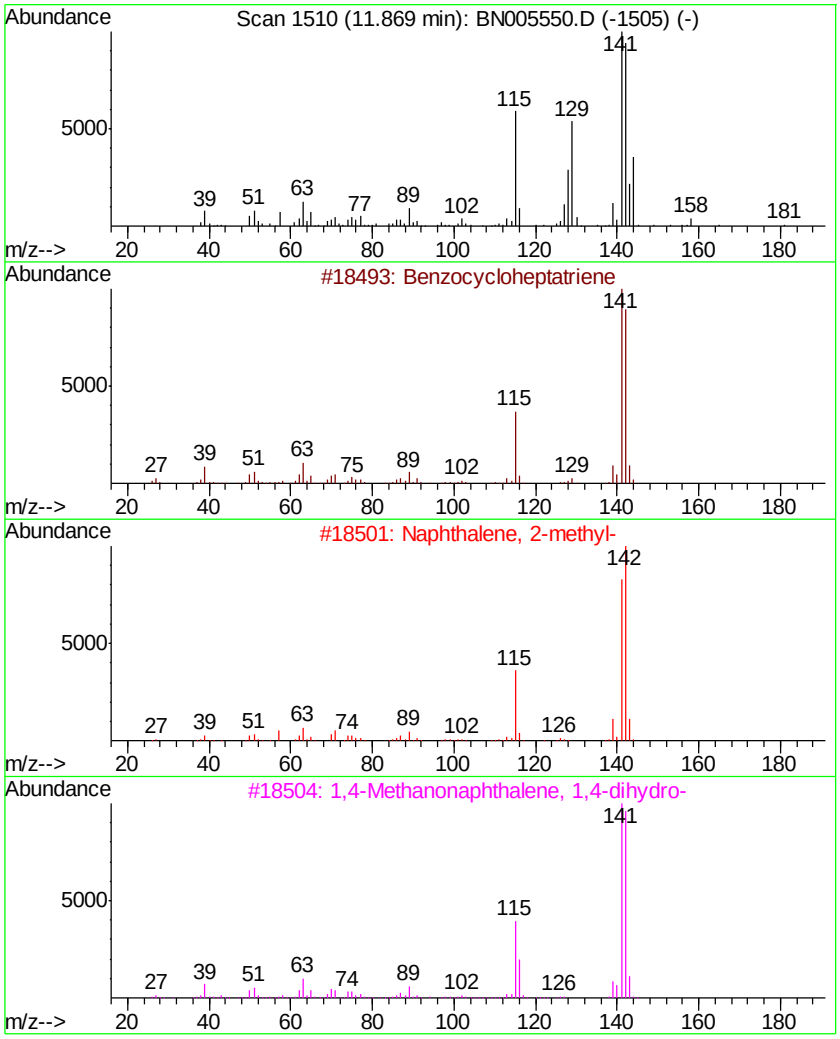
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

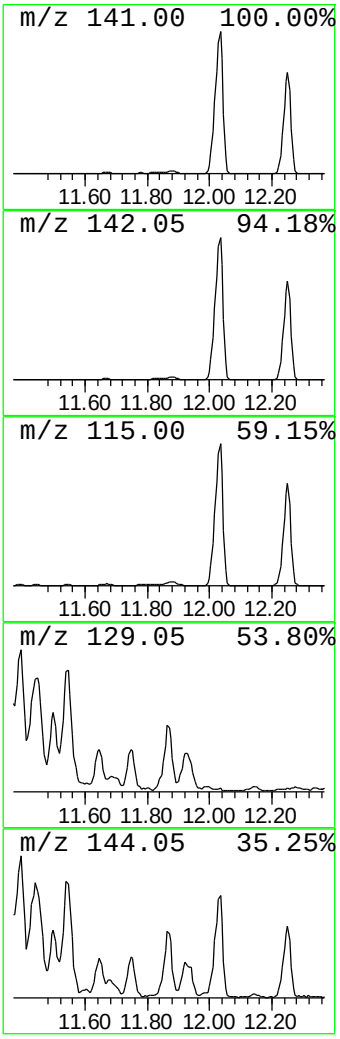
****

Peak Number 2 Benzocycloheptatriene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	11.34 ng/ul	1654570	Naphthalene-d8	10.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	81
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	76
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	76
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	76
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	70





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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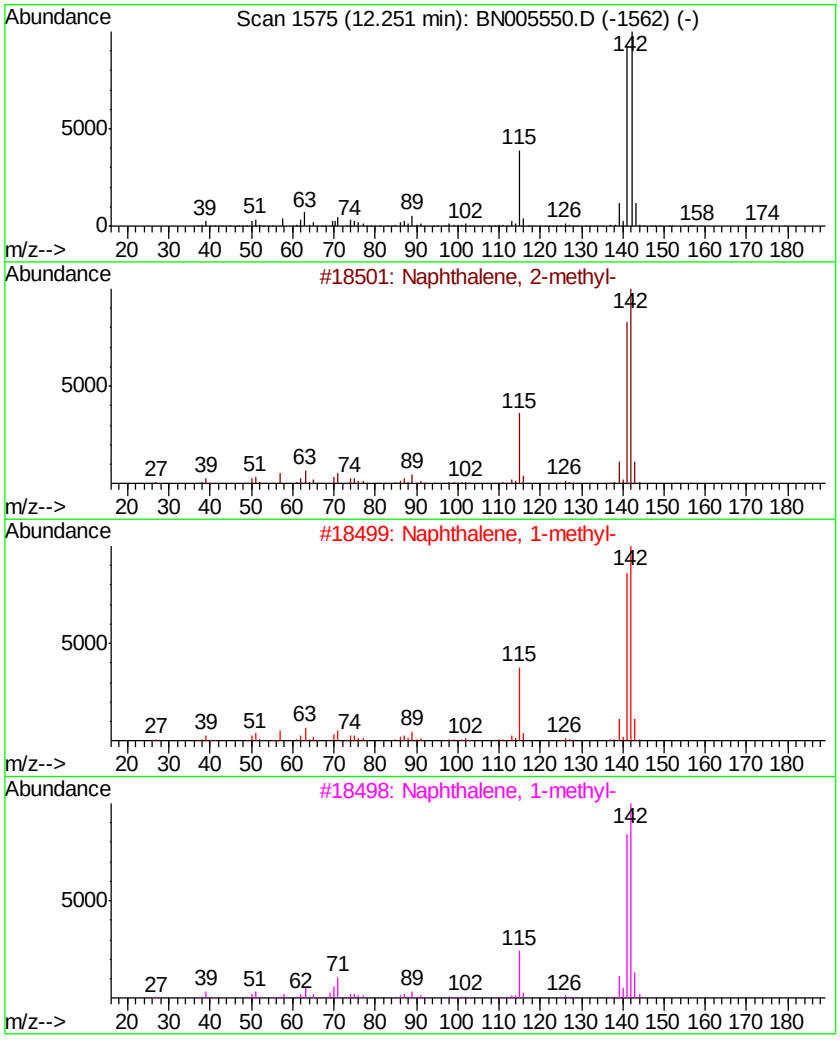
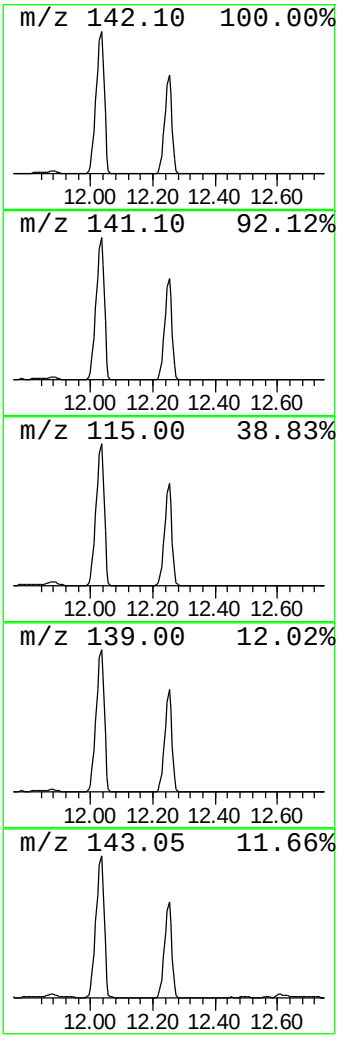
Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	148.21 ng/ul	21622600	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	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





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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

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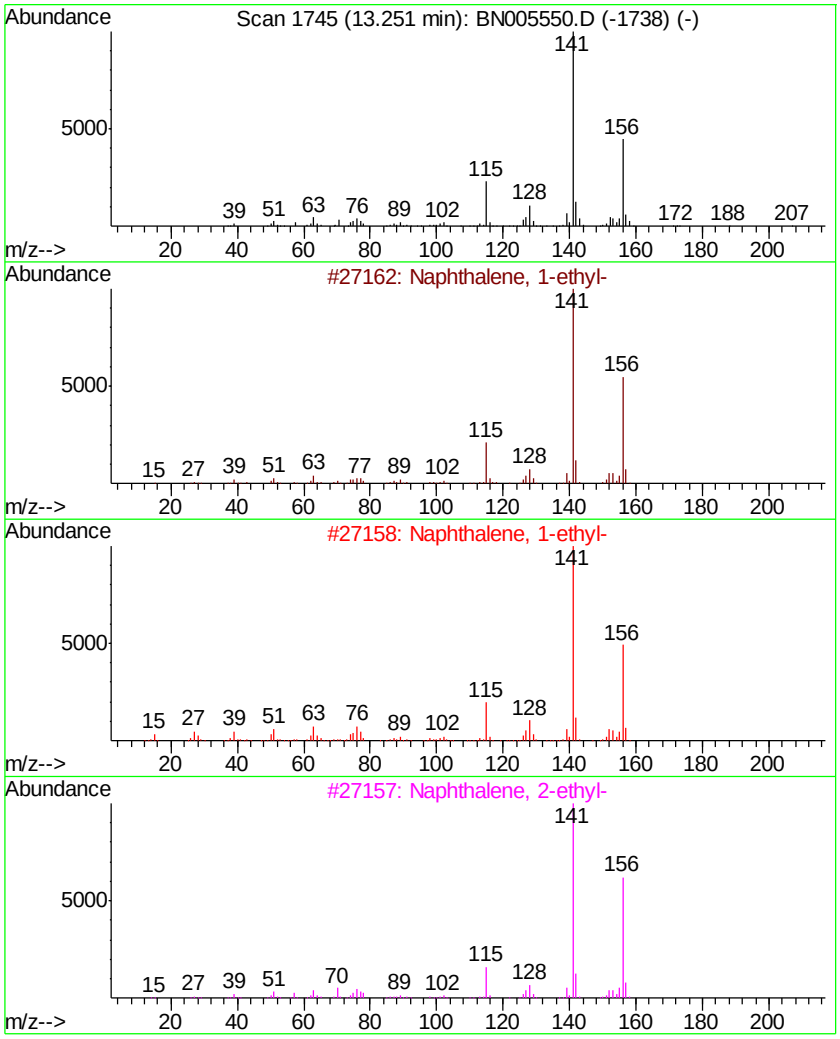
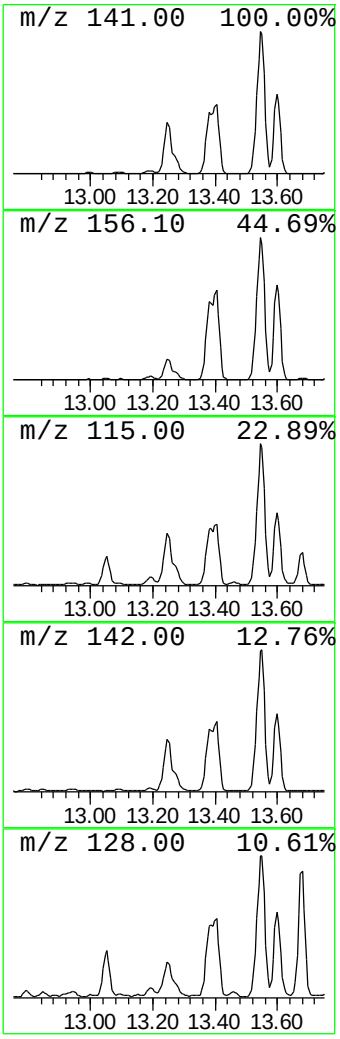
Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	10.47 ng/ul	3904690	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





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Instrument : BNA_N
ClientSampleId : GAJ92

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

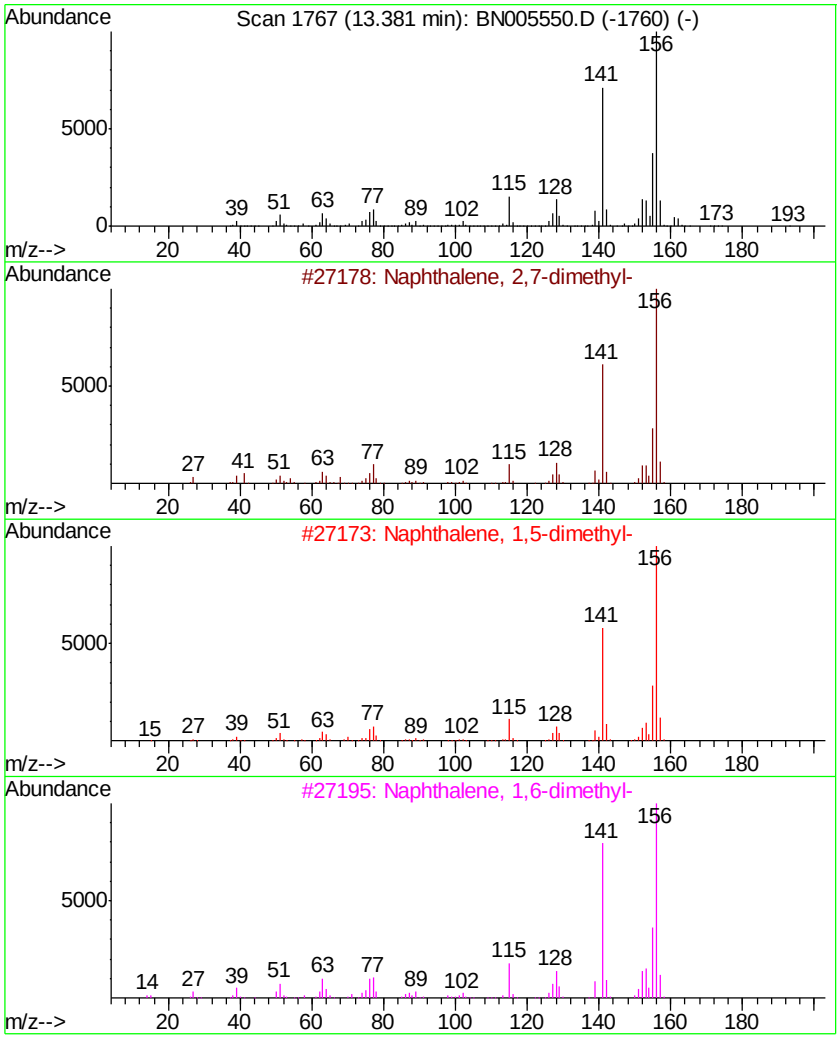
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

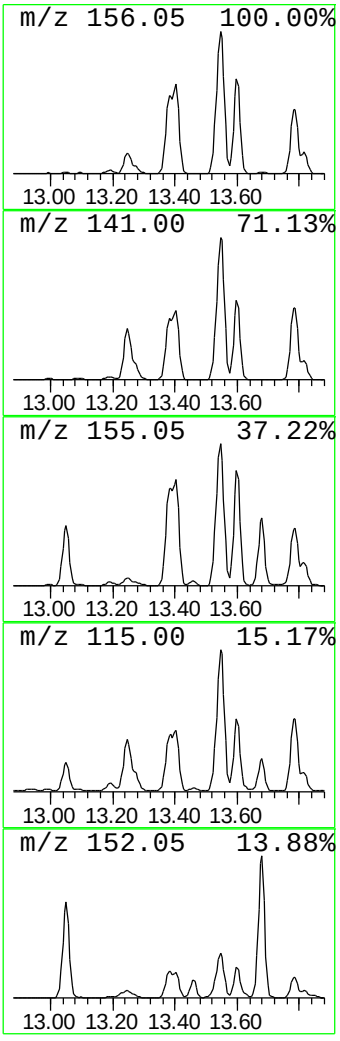
****

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	17.01 ng/ul	6344910	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Library Search Compound Report

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Data File : BN005550.D
Acq On : 09 May 2019 01:46
Operator : JU/SJ
Sample : K2604-21 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ92

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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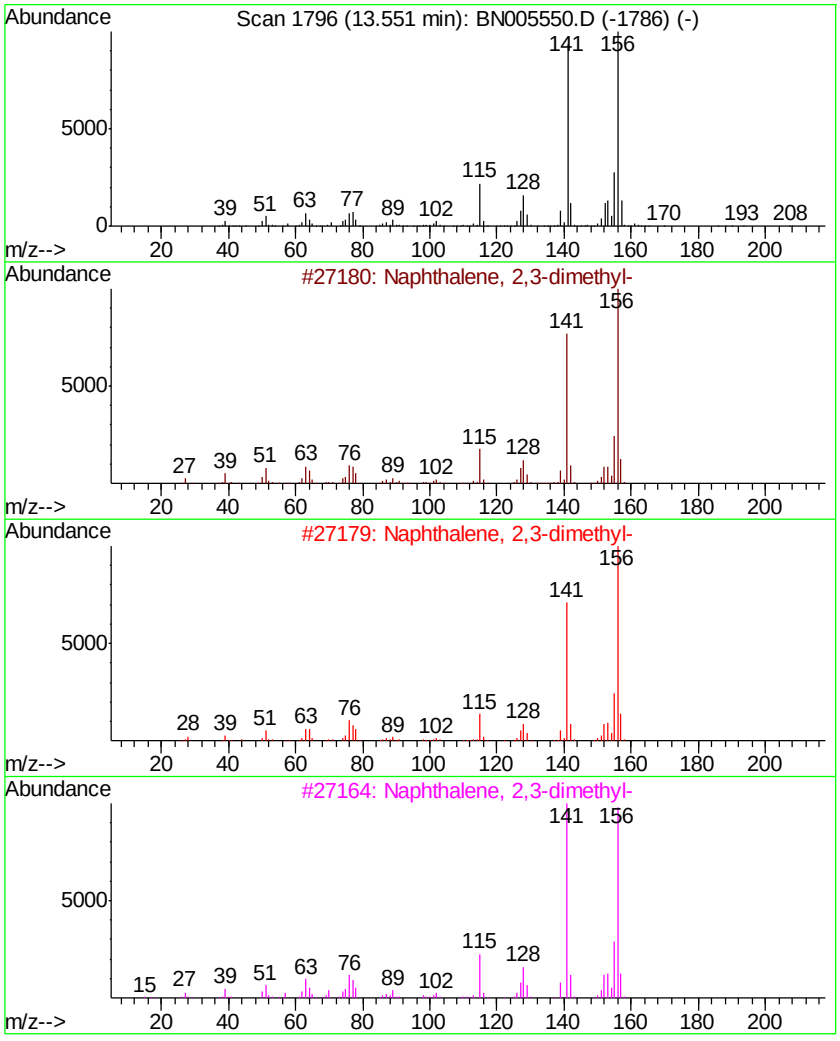
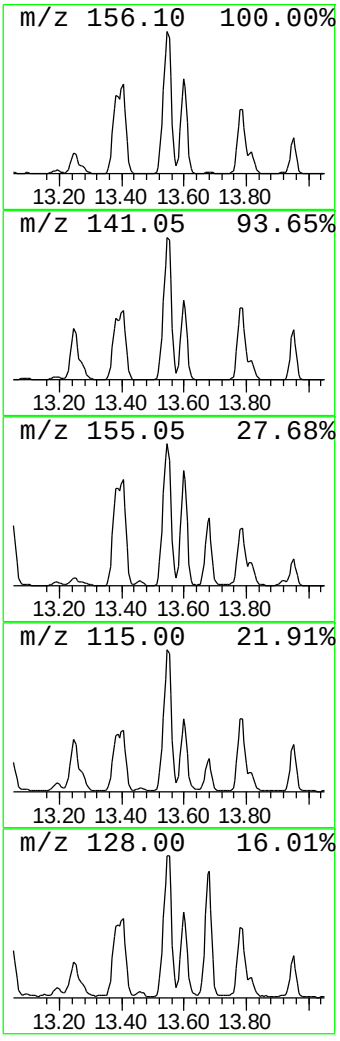
Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	35.80 ng/ul	13351500	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	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





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Sample : K2604-21 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ92

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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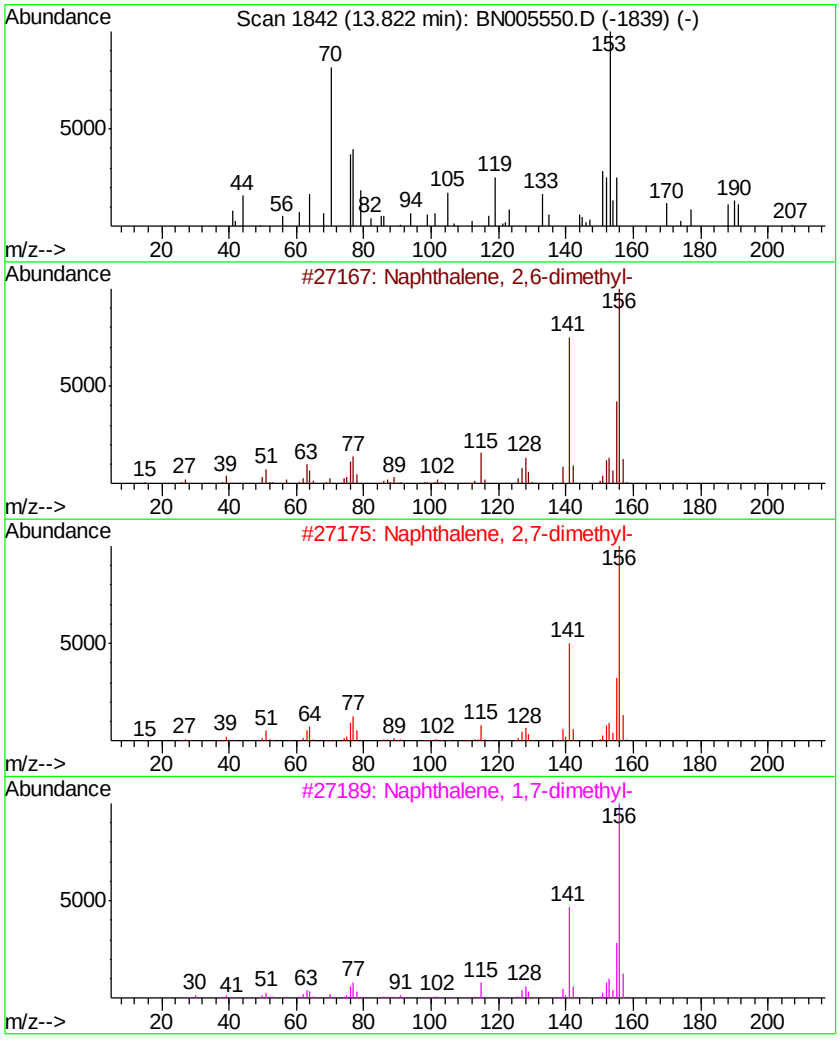
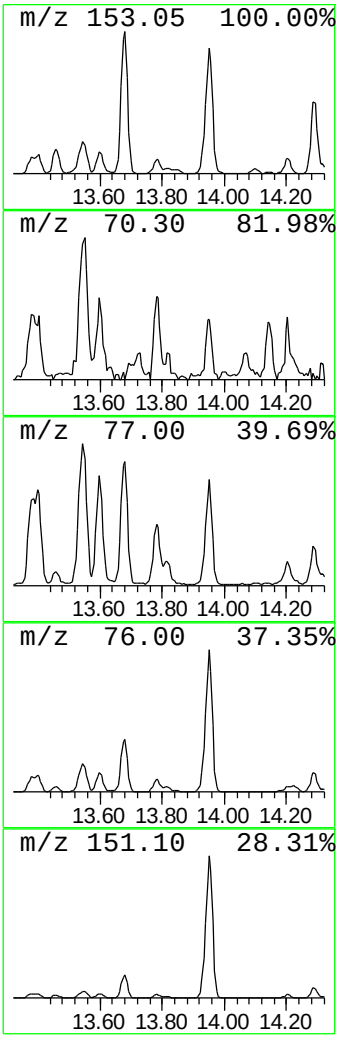
Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	3.96 ng/ul	1476360	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	90
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	90
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	90
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	87
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	87





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Sample : K2604-21 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ92

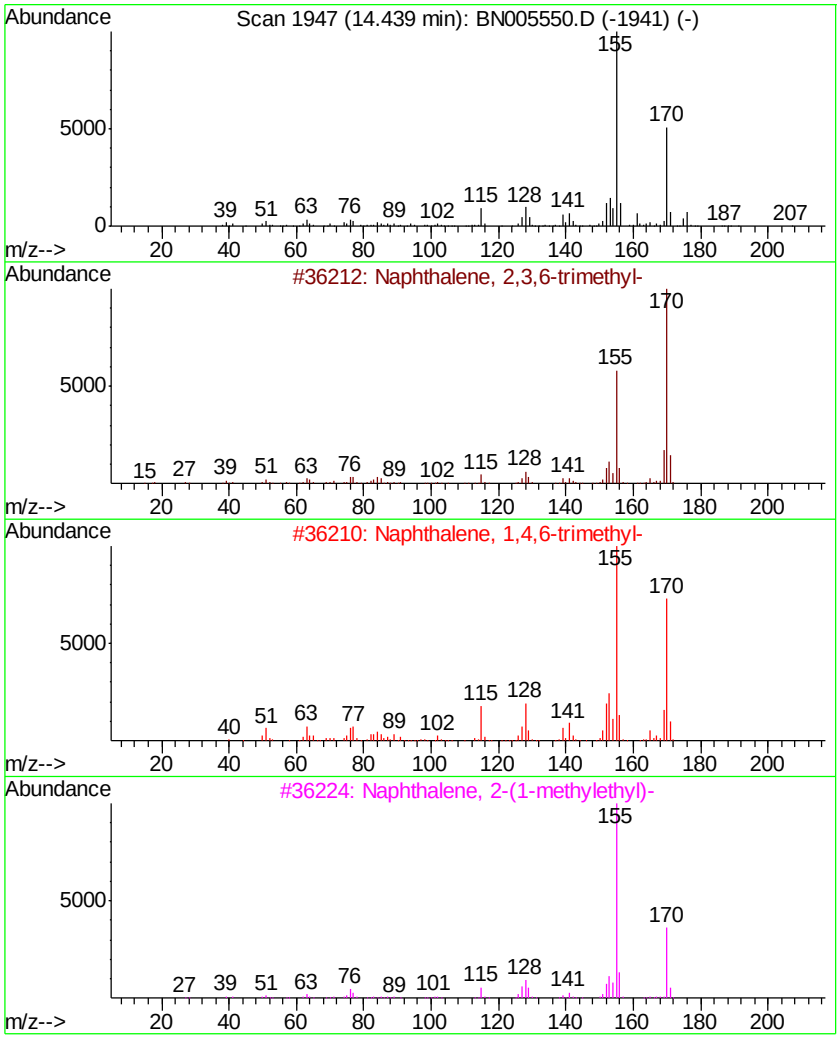
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

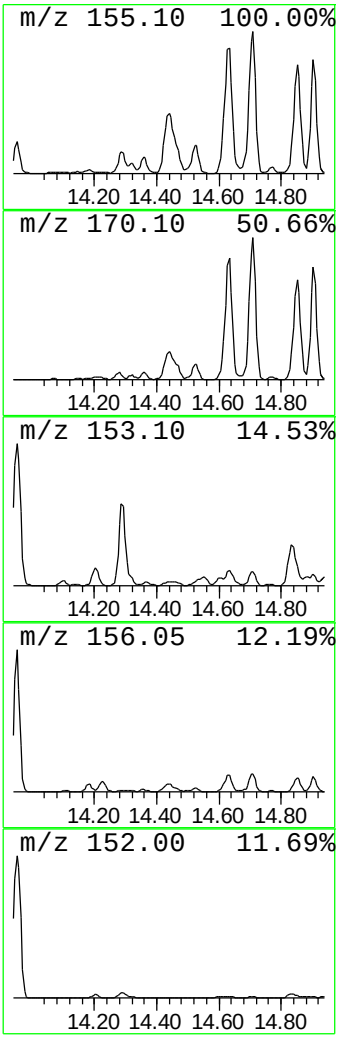
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	3.76 ng/ul	1403390	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	92
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
4	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
5	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90





Library Search Compound Report

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Acq On : 09 May 2019 01:46
Operator : JU/SJ
Sample : K2604-21 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ92

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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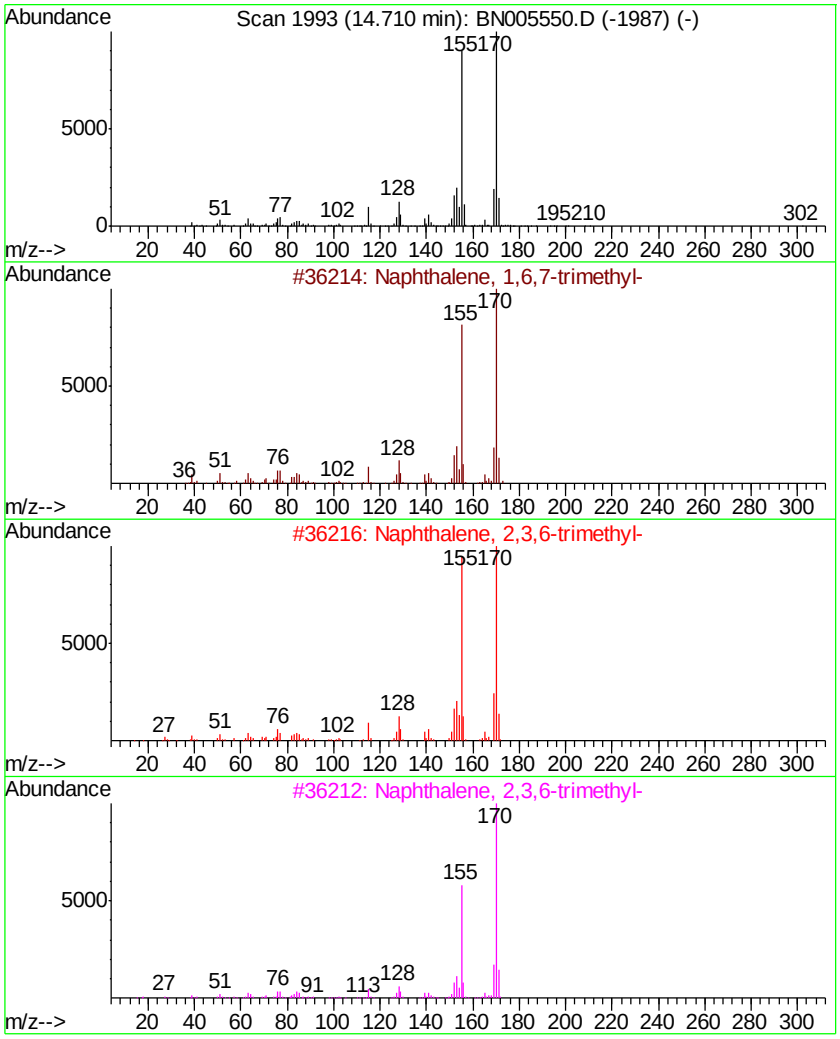
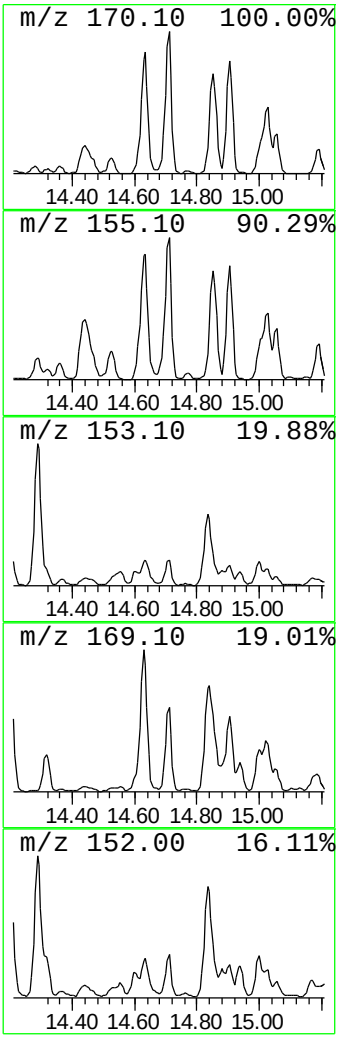
Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	6.69 ng/ul	2495300	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96





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Operator : JU/SJ
Sample : K2604-21 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ92

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

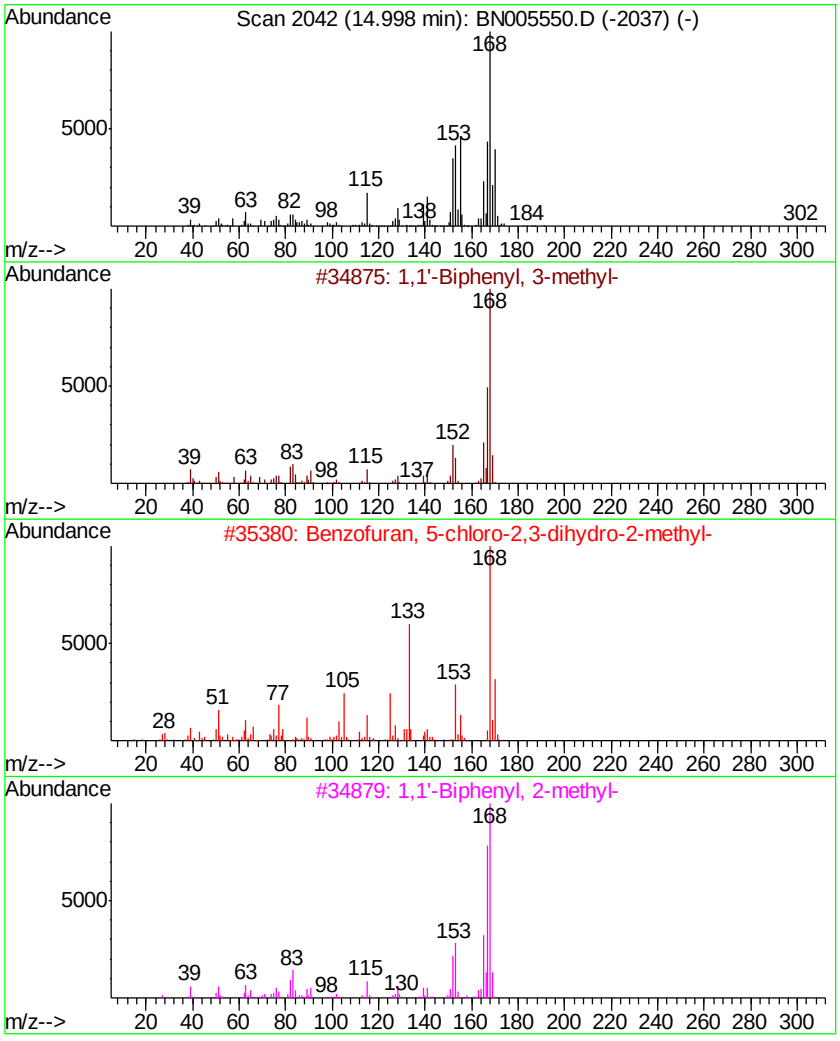
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

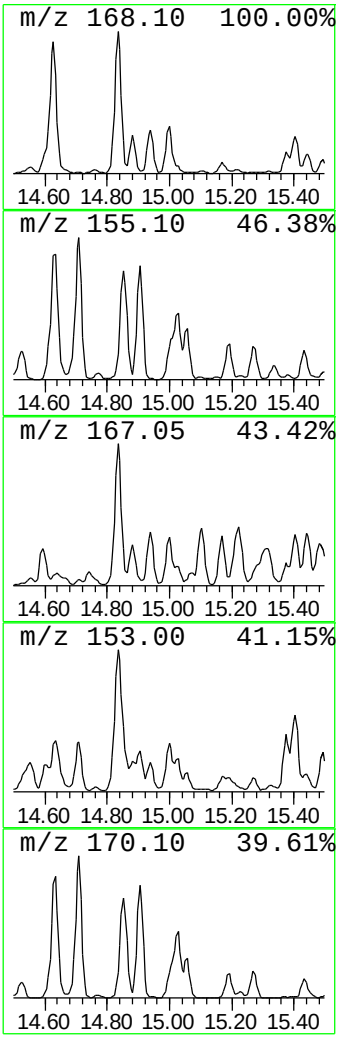
****

Peak Number 13 1,1'-Biphenyl, 3-methyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	5.35 ng/ul	1994910	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	50
2	Benzofuran, 5-chloro-2,3-dihydro...	168	C9H9ClO	054410-96-7	47
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	45
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	43
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	38





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Sample : K2604-21 10X
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Instrument : BNA_N
ClientSampleId : GAJ92

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Quant Title : SVOA CALIBRATION

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

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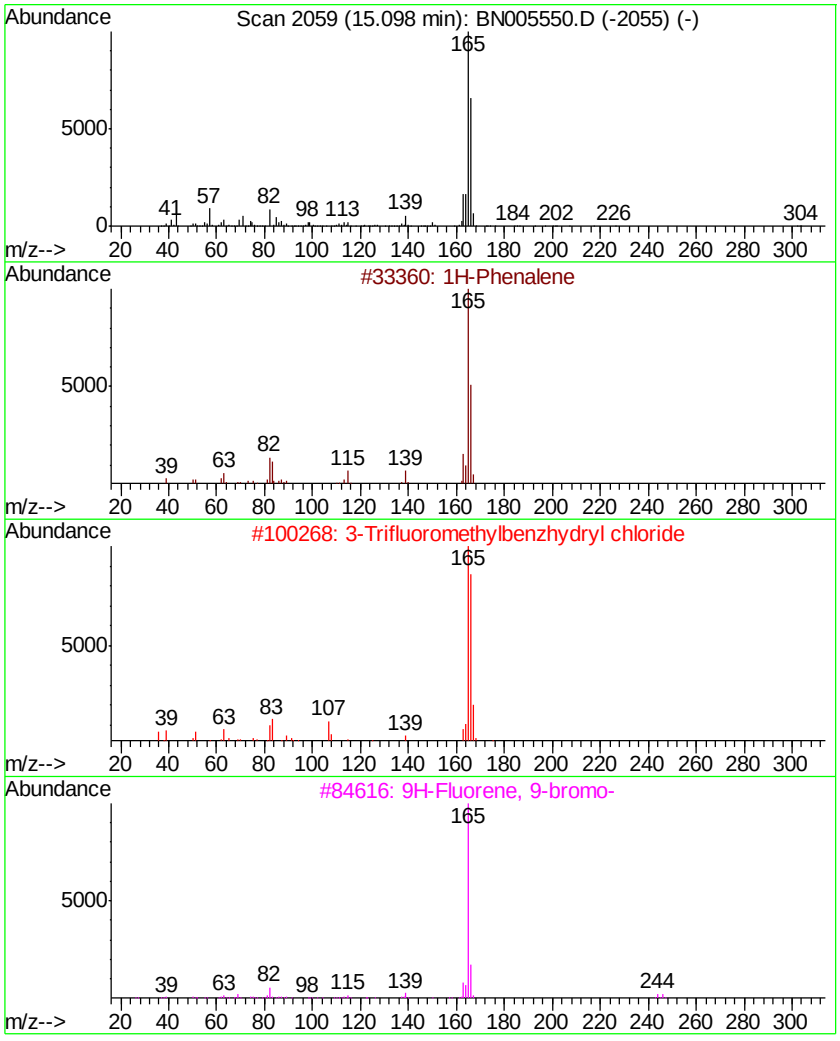
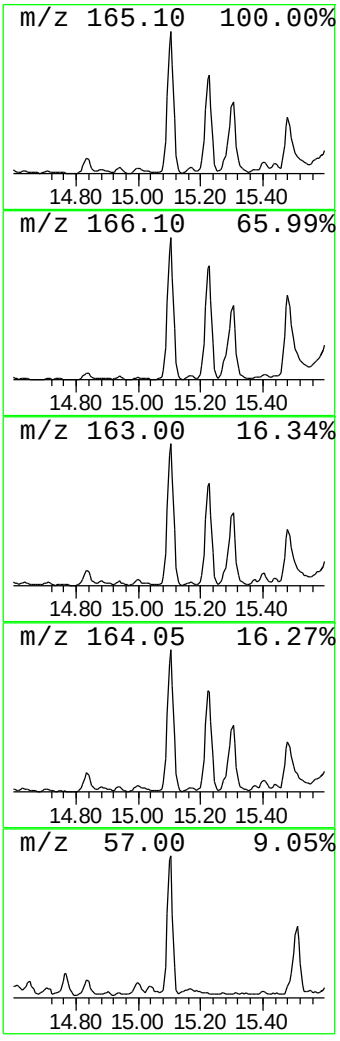
Peak Number 14 1H-Phenalene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	14.76 ng/ul	5504170	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	78
2	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	56
3	9H-Fluorene, 9-bromo-	244	C13H9Br	001940-57-4	53
4	Fluorene	166	C13H10	000086-73-7	52
5	Fluorene	166	C13H10	000086-73-7	47





Library Search Compound Report

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Operator : JU/SJ
Sample : K2604-21 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ92

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Quant Title : SVOA CALIBRATION

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

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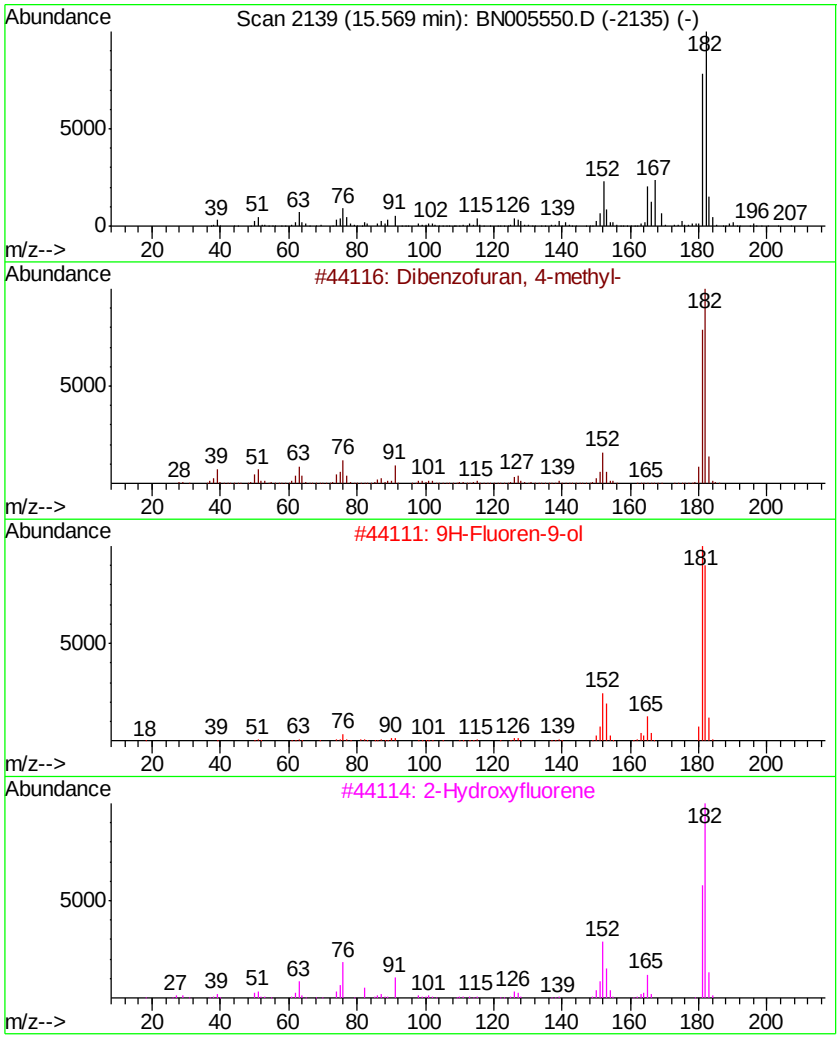
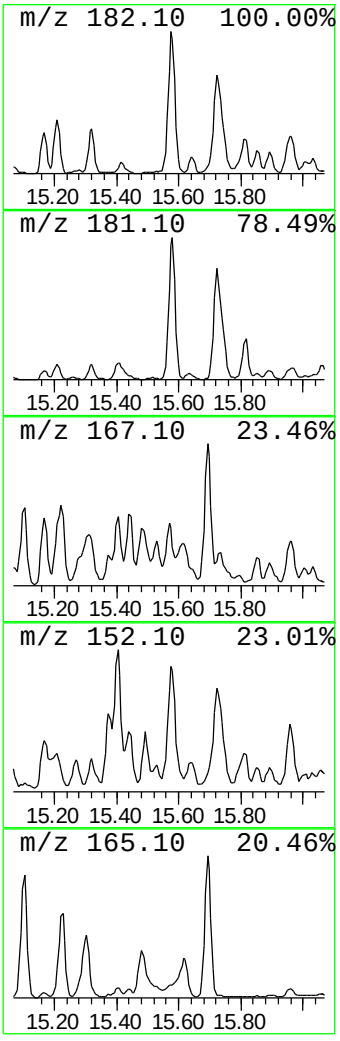
Peak Number 16 Dibenzofuran, 4-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	7.15 ng/ul	2665090	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
3	2-Hydroxyfluorene	182	C13H10O	002443-58-5	64
4	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	59
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	58





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Sample : K2604-21 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ92

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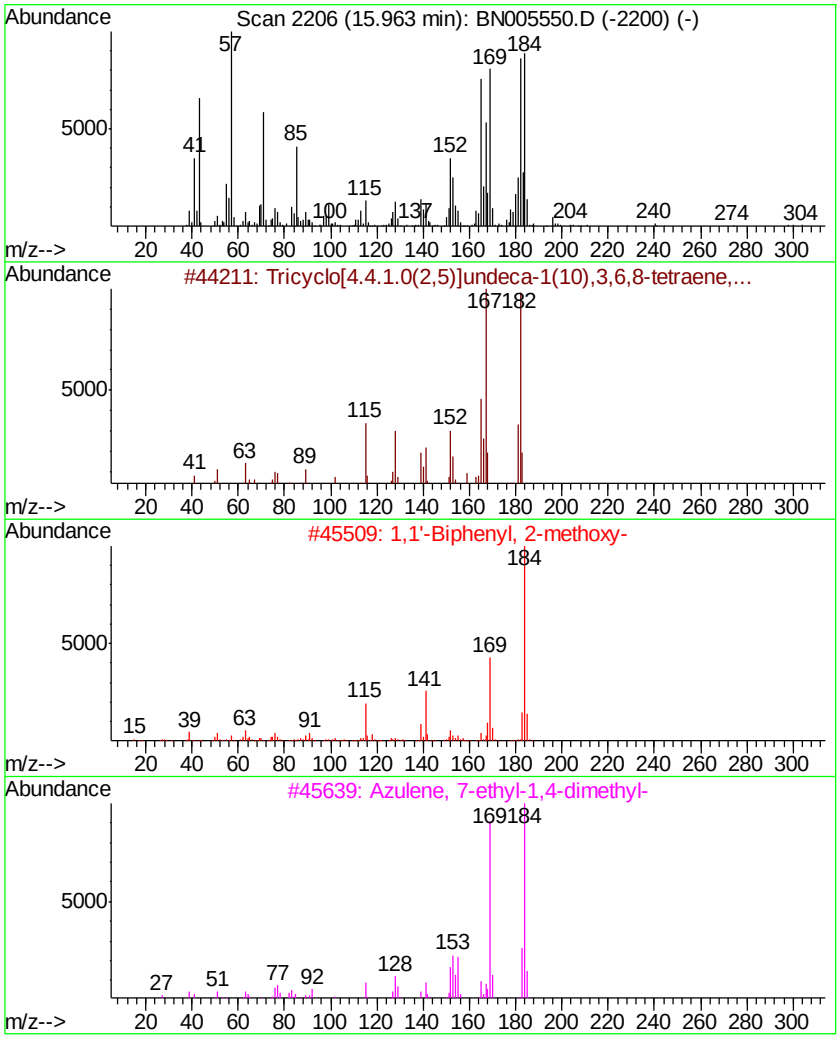
Quant Title : SVOA CALIBRATION

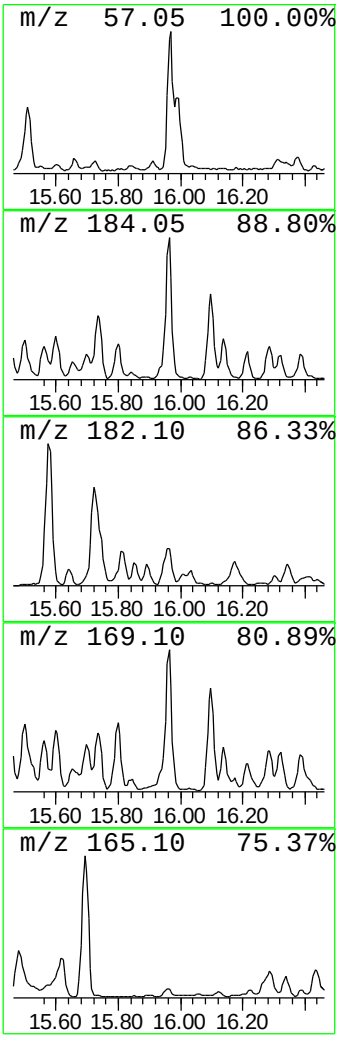
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Tricyclo[4.4.1.0(2,5)]undec... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	10.85 ng/ul	2205730	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[4.4.1.0(2,5)]undeca-1(1...	182	C14H14	055836-29-8	83
2	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	42
3	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	38
4	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	38
5	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	38





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ClientSampleId : GAJ92

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Quant Title : SVOA CALIBRATION

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

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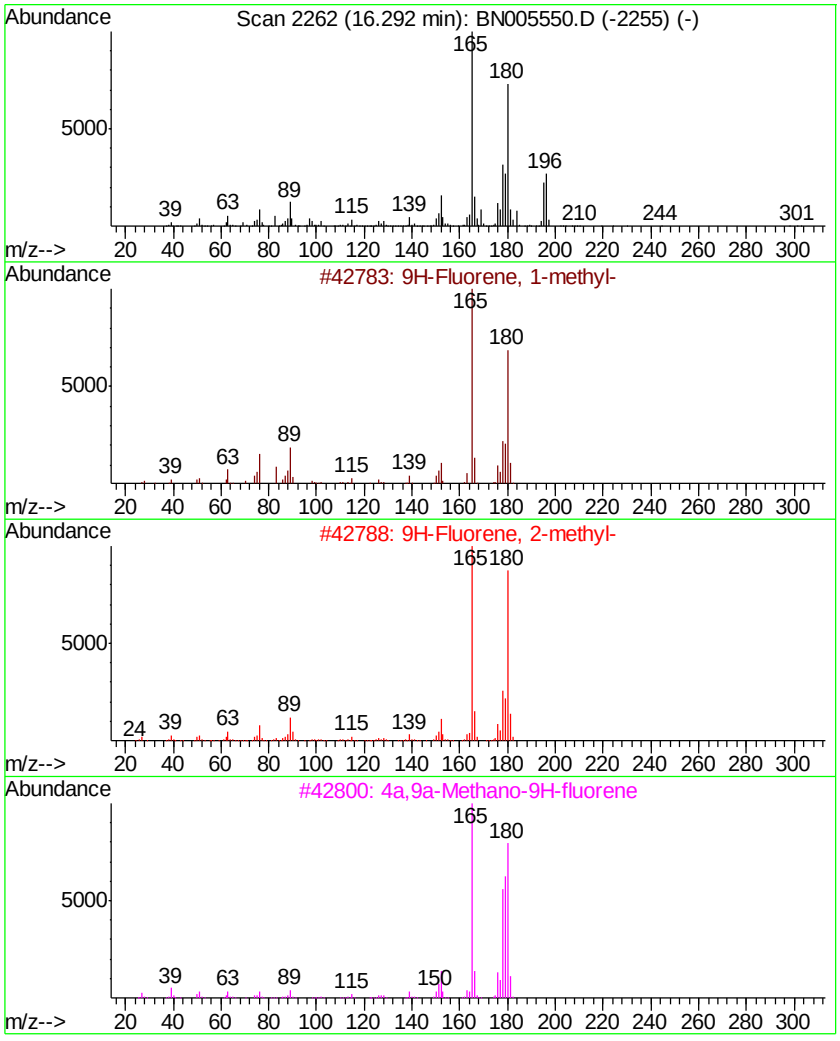
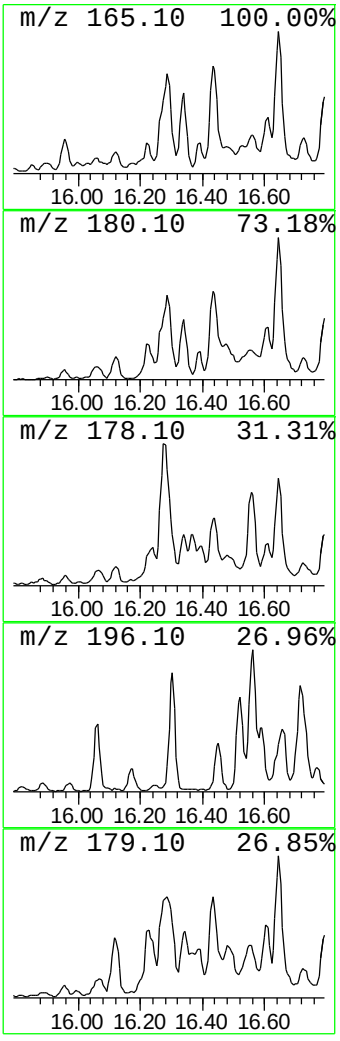
Peak Number 20 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	14.97 ng/ul	3041790	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	83
3	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	78
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	70
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64





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Misc :
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Instrument : BNA_N
ClientSampleId : GAJ92

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Quant Title : SVOA CALIBRATION

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

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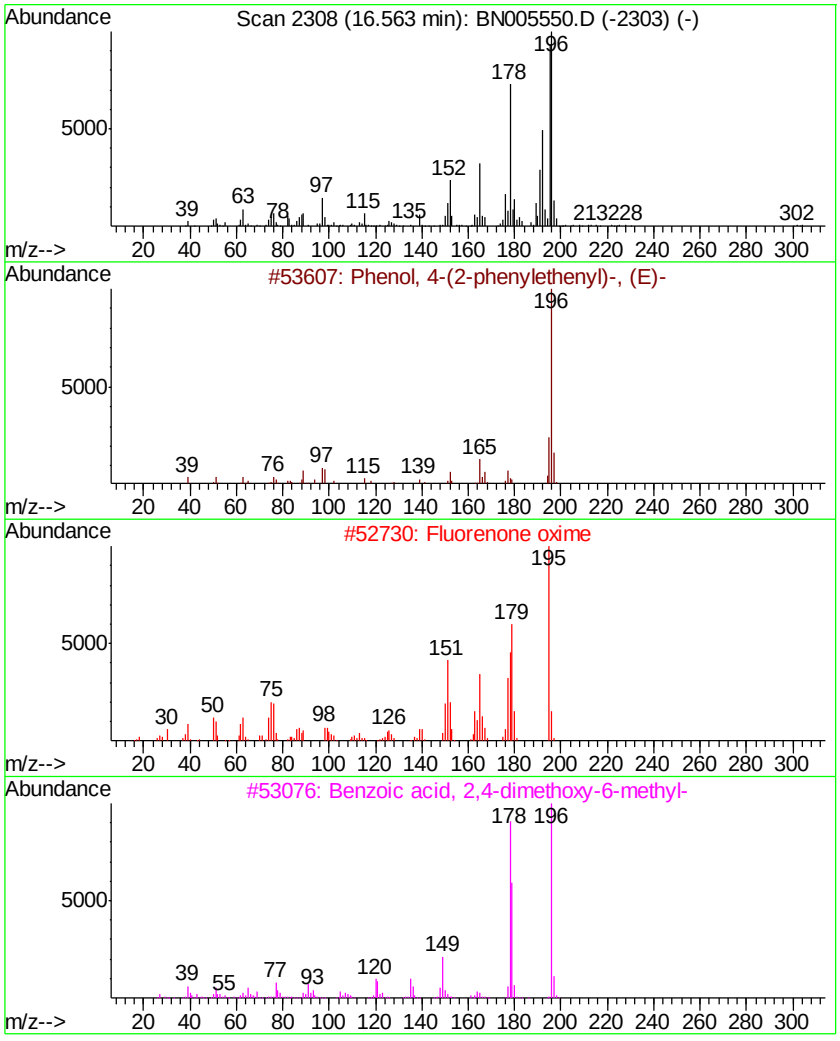
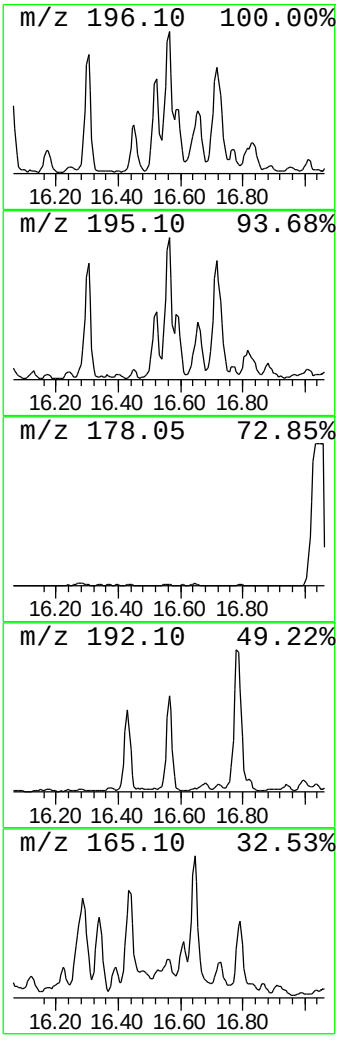
Peak Number 22 unknown-01 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	6.68 ng/ul	1358650	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	38
2	Fluorenone oxime	195	C13H9NO	002157-52-0	30
3	Benzoic acid, 2,4-dimethoxy-6-me...	196	C10H12O4	003686-57-5	30
4	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	30
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	30





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Misc :
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ClientSampleId : GAJ92

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Quant Title : SVOA CALIBRATION

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

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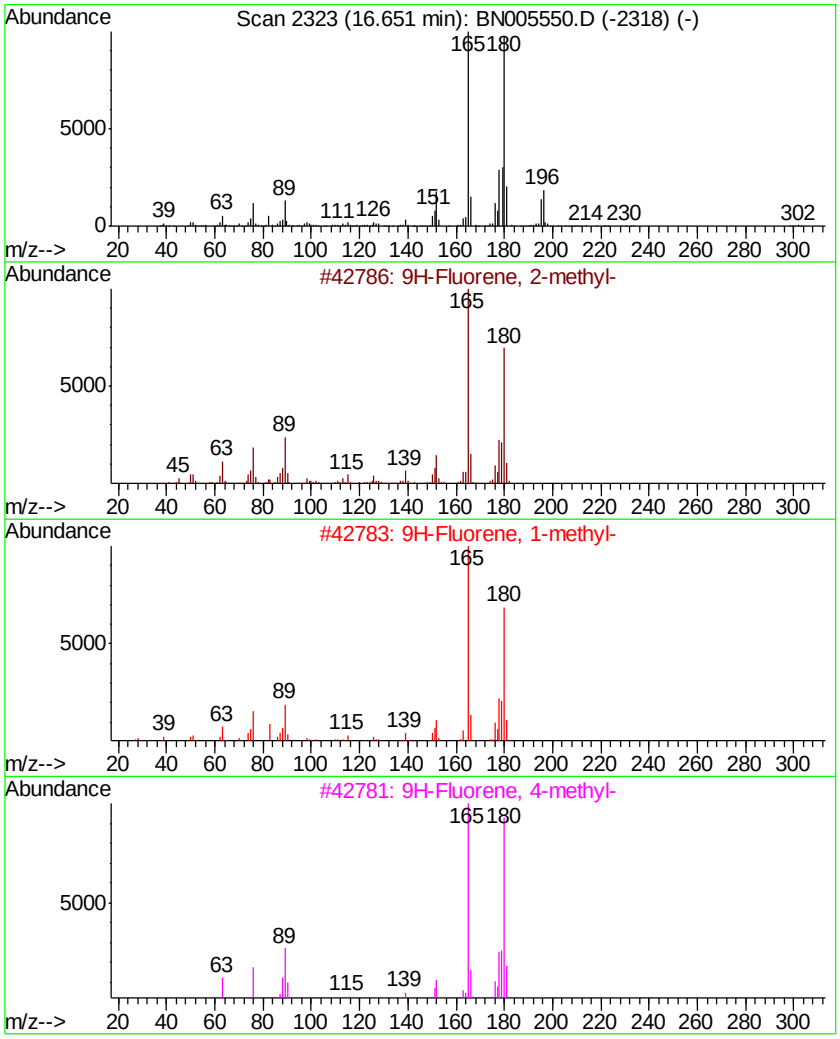
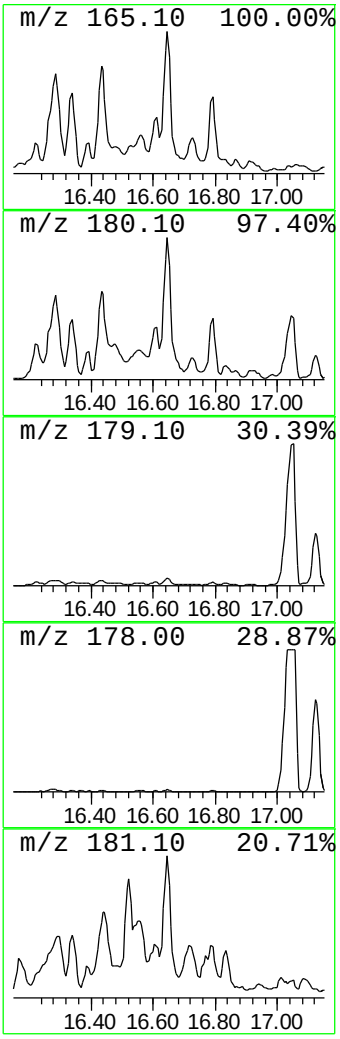
Peak Number 23 9H-Fluorene, 2-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	12.20 ng/ul	2480620	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	87





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Data File : BN005550.D
Acq On : 09 May 2019 01:46
Operator : JU/SJ
Sample : K2604-21 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ92

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

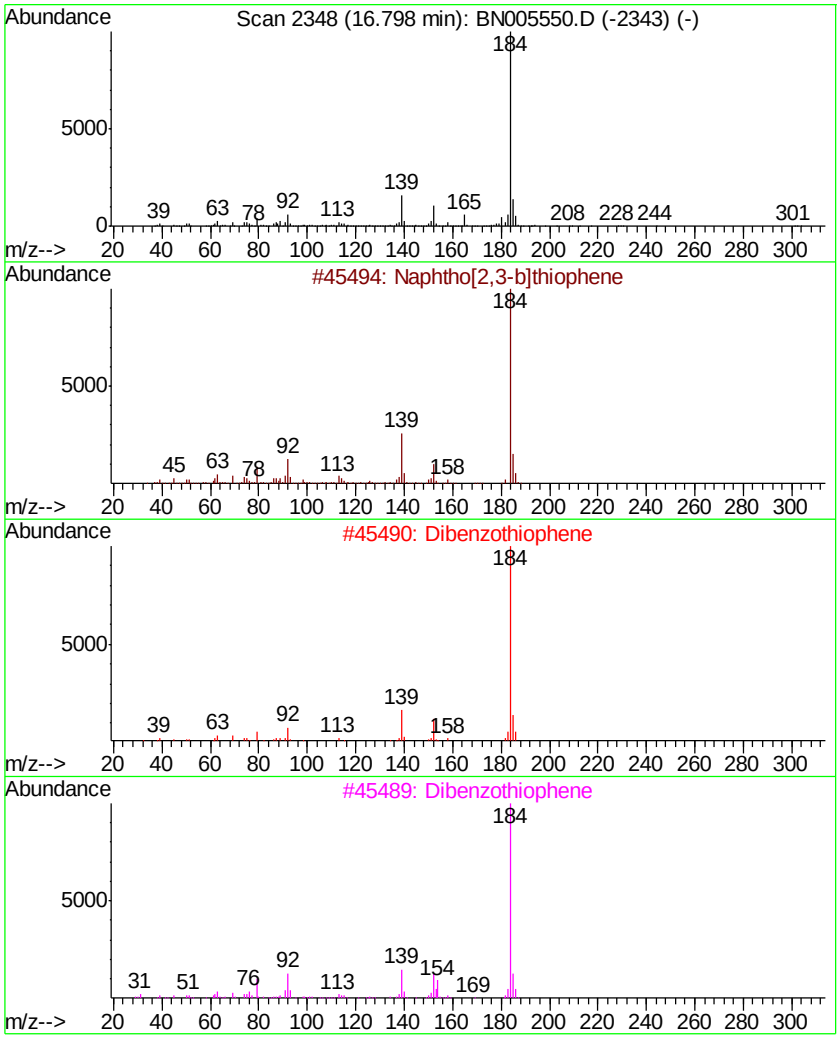
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

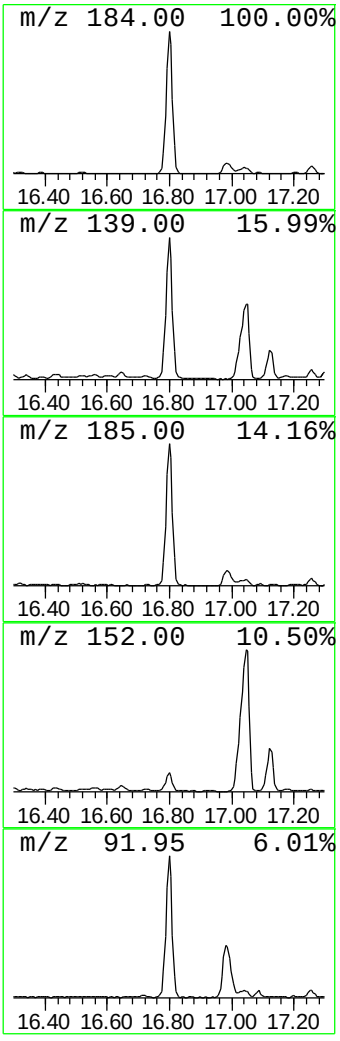
****

Peak Number 24 Naphtho[2,3-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	40.62 ng/ul	8255710	Phenanthrene-d10	16.99

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





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Data File : BN005550.D
Acq On : 09 May 2019 01:46
Operator : JU/SJ
Sample : K2604-21 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ92

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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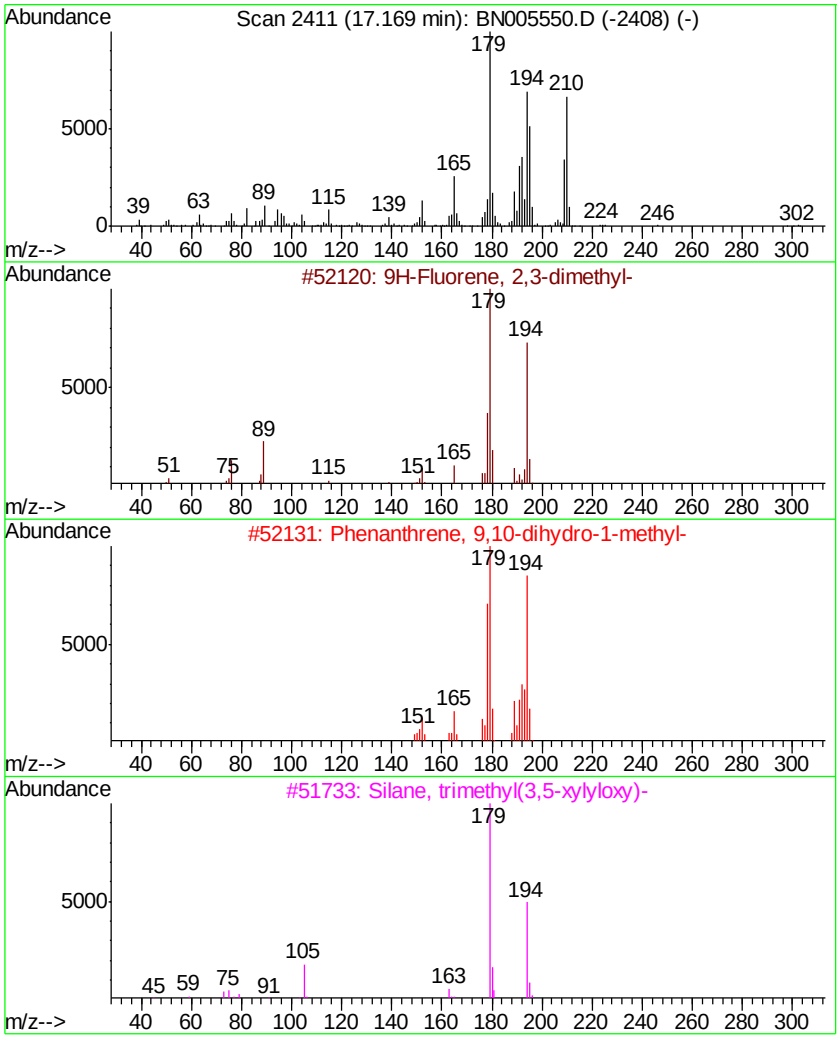
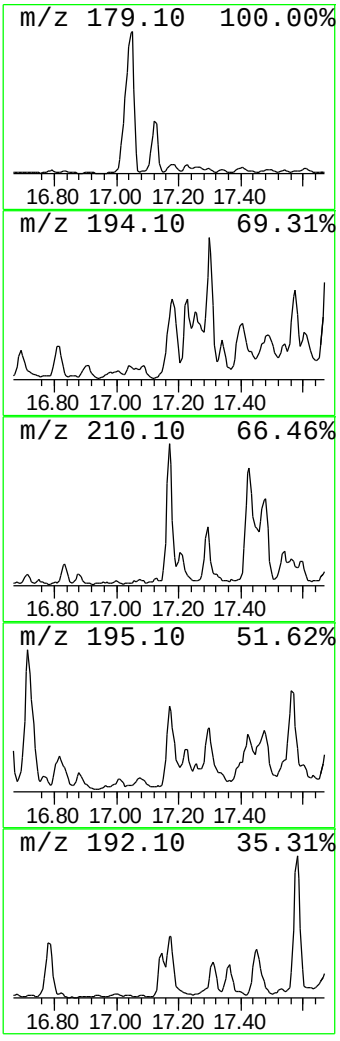
Peak Number 25 unknown-02 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	7.03 ng/ul	1428430	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	49
2	Phenanthrene, 9,10-dihydro-1-met...	194	C15H14	095676-48-5	43
3	Silane, trimethyl(3,5-xylyloxy)-	194	C11H18OSi	017994-05-7	43
4	5H-Dibenz[b,f]azepin-5-amine, 10...	210	C14H14N2	007458-07-3	41
5	Benzoic acid, 2,4-dimethoxy-6-me...	210	C11H14O4	006110-37-8	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005550.D
Acq On : 09 May 2019 01:46
Operator : JU/SJ
Sample : K2604-21 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ92

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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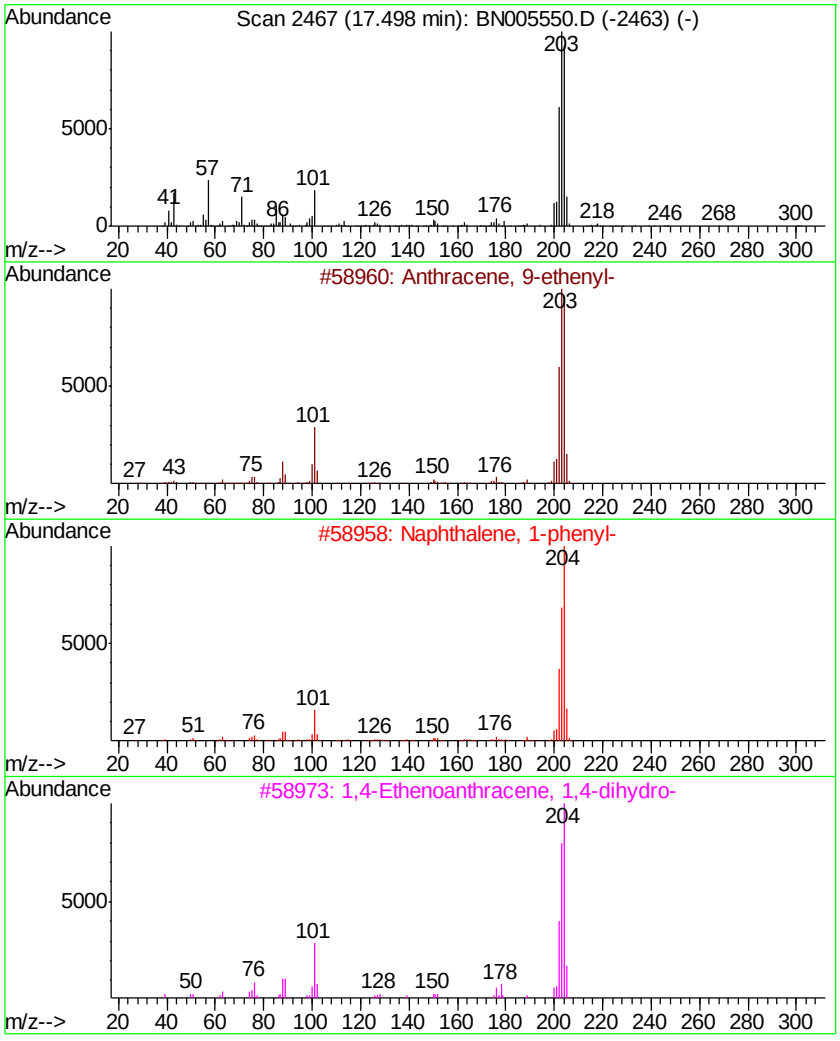
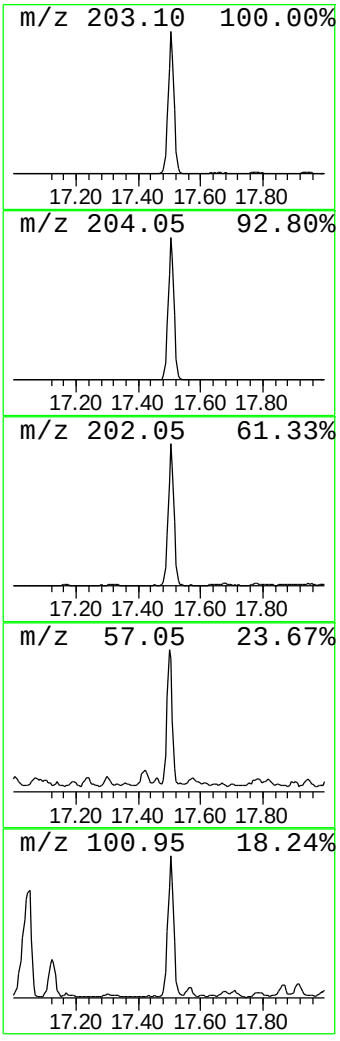
Peak Number 26 Anthracene, 9-ethenyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.50	12.72 ng/ul	2584820	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	94
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	91
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	81
4	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	81
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	81





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Acq On : 09 May 2019 01:46
Operator : JU/SJ
Sample : K2604-21 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ92

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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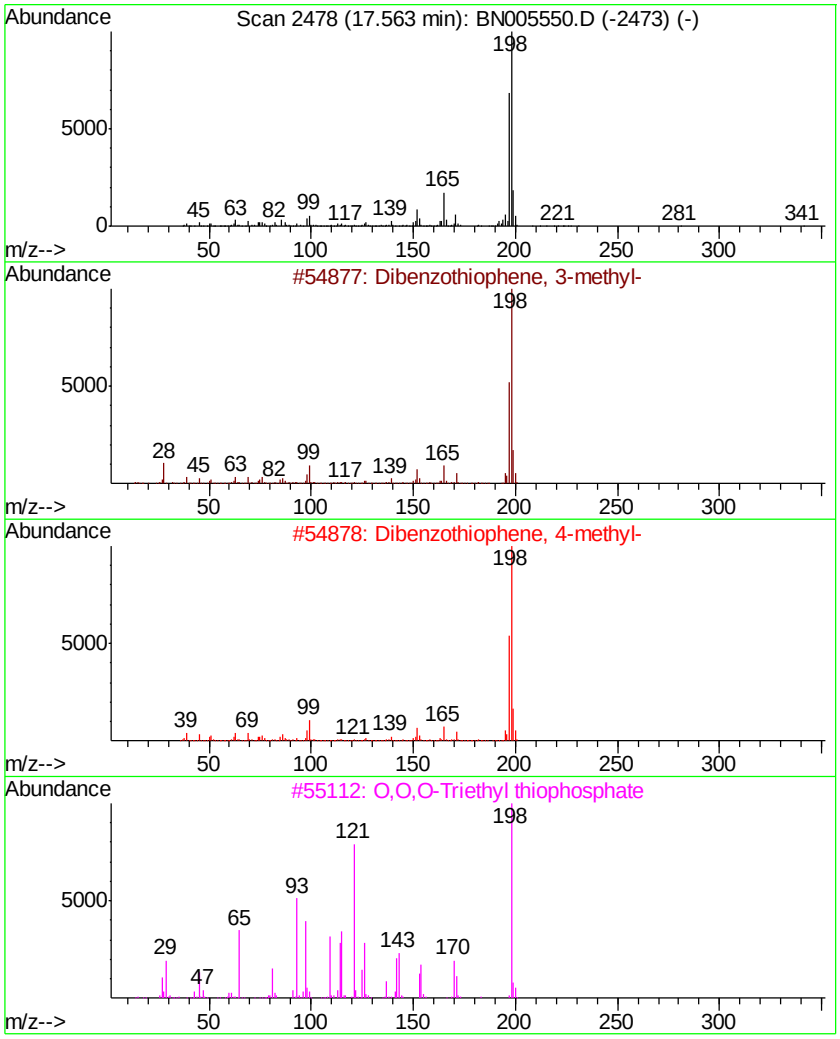
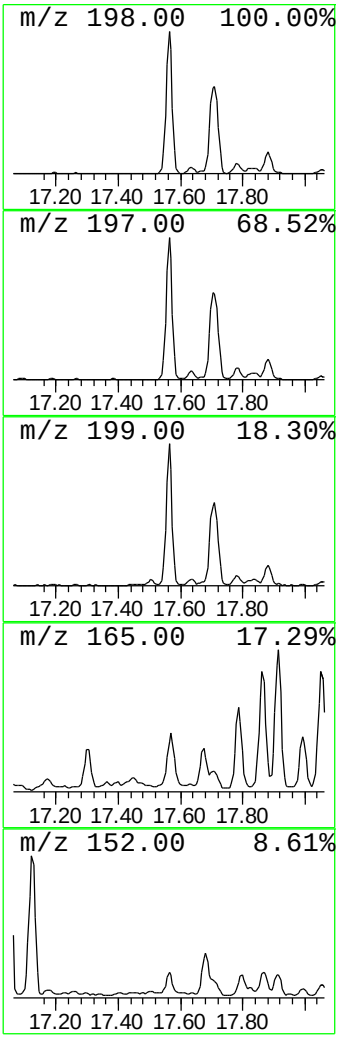
Peak Number 27 Dibenzothiophene, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	23.54 ng/ul	4783780	Phenanthrene-d10	16.99

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	O,O,O-Triethyl thiophosphate	198	C6H15O3PS	000126-68-1	86
4	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	72
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72





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Operator : JU/SJ
Sample : K2604-21 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ92

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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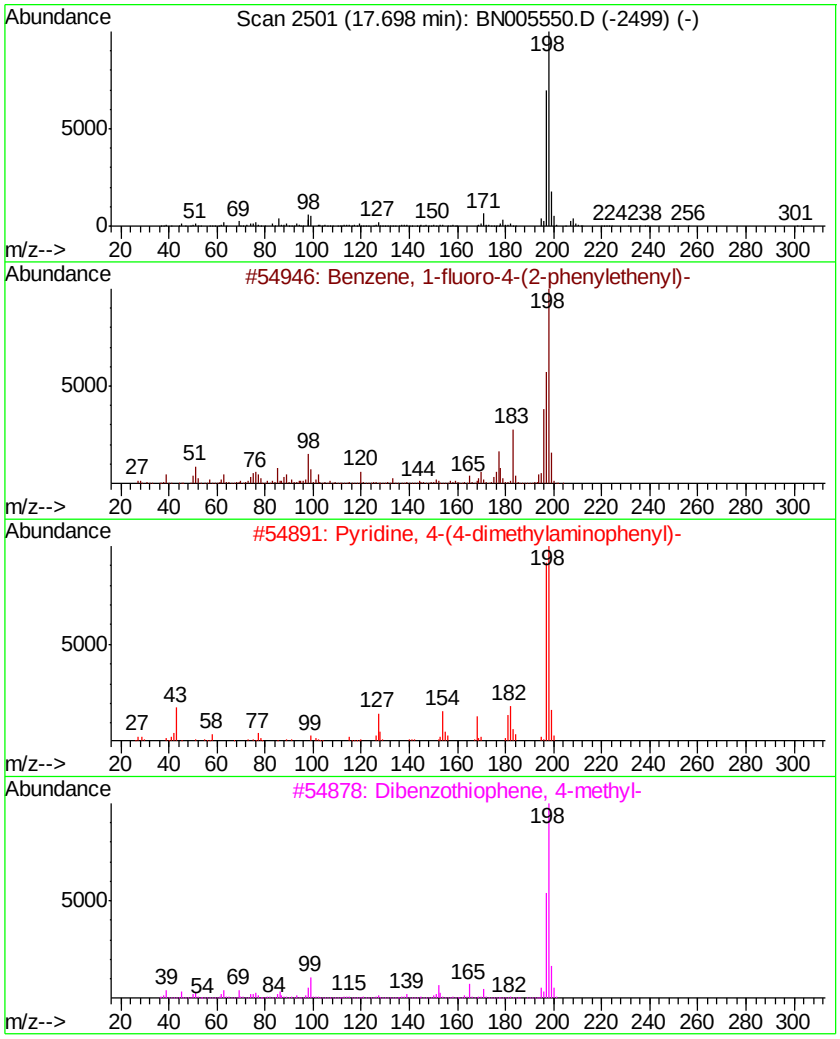
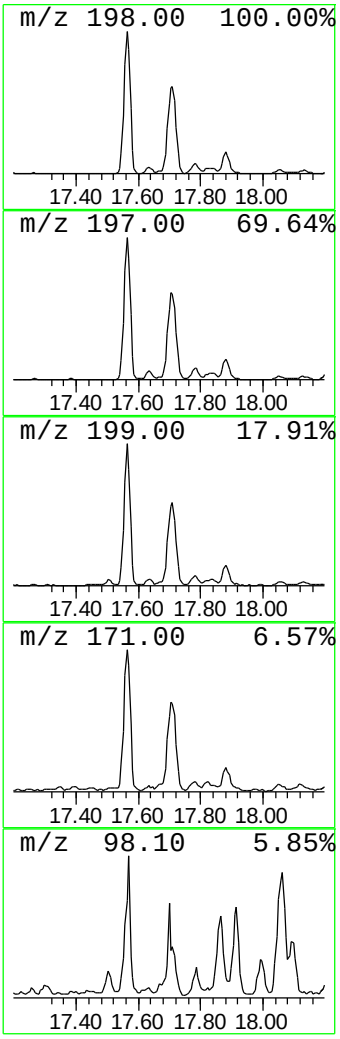
Peak Number 28 Benzene, 1-fluoro-4-(2-phen... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	15.64 ng/ul	3178920	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	80
2	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	78
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	78
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	78
5	4,6,8-Trimethyl-1-azulenecarbald...	198	C14H14O	000832-62-2	72





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Misc :
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Instrument : BNA_N
ClientSampleId : GAJ92

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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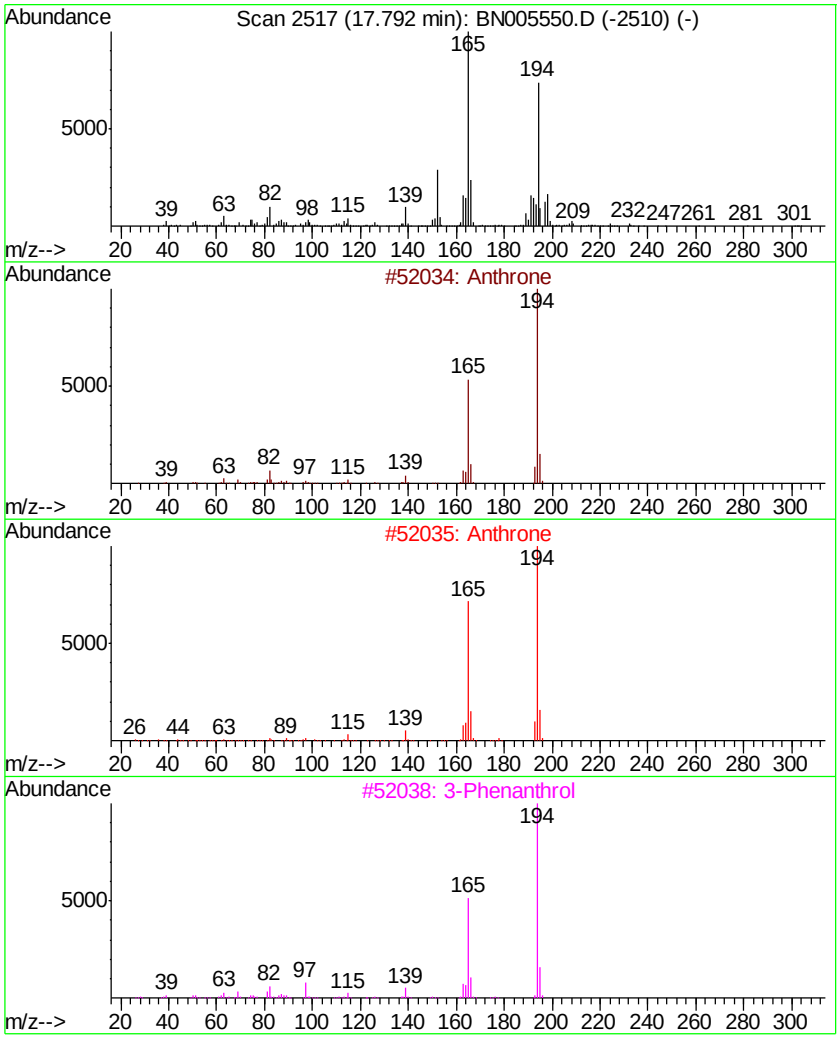
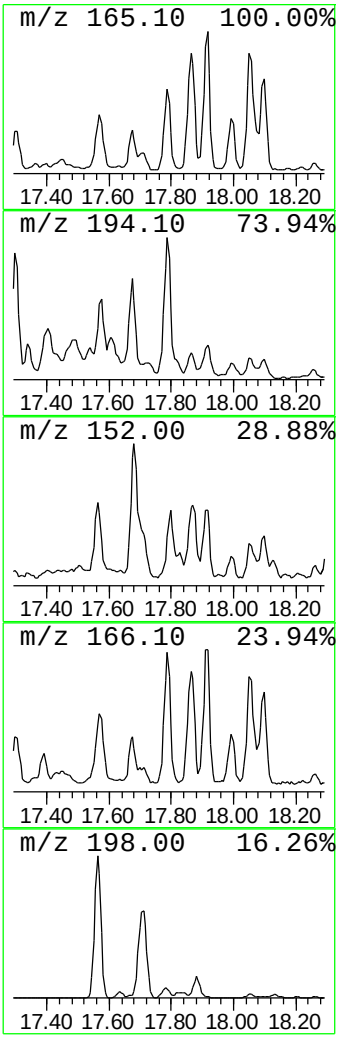
Peak Number 29 Anthrone Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	12.28 ng/ul	2495510	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	89
2	Anthrone	194	C14H10O	000090-44-8	76
3	3-Phenanthrol	194	C14H10O	000605-87-8	70
4	Anthrone	194	C14H10O	000090-44-8	70
5	2-Phenanthrenol	194	C14H10O	000605-55-0	70





Tentatively Identified Compound (LSC) summary

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Data File : BN005550.D
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Operator : JU/SJ
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Misc :
ALS Vial : 22 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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1H-Indene, 1-methyl-	9.79	13.8	ng/ul	2013120	2	10.35	2917900	20.0
Benzocycloheptatr...	11.87	11.3	ng/ul	1654570	2	10.35	2917900	20.0
Naphthalene, 1-me...	12.25	148.2	ng/ul	21622600	2	10.35	2917900	20.0
Naphthalene, 1-et...	13.25	10.5	ng/ul	3904690	3	14.22	7458990	20.0
Naphthalene, 2,7-...	13.38	17.0	ng/ul	6344910	3	14.22	7458990	20.0
Naphthalene, 2,3-...	13.55	35.8	ng/ul	13351500	3	14.22	7458990	20.0
Naphthalene, 2,6-...	13.82	4.0	ng/ul	1476360	3	14.22	7458990	20.0
Naphthalene, 2,3,...	14.44	3.8	ng/ul	1403390	3	14.22	7458990	20.0
Naphthalene, 1,6,...	14.71	6.7	ng/ul	2495300	3	14.22	7458990	20.0
1,1'-Biphenyl, 3-...	15.00	5.3	ng/ul	1994910	3	14.22	7458990	20.0
1H-Phenalene	15.10	14.8	ng/ul	5504170	3	14.22	7458990	20.0
Dibenzofuran, 4-m...	15.57	7.2	ng/ul	2665090	3	14.22	7458990	20.0
Tricyclo[4.4.1.0(...	15.96	10.9	ng/ul	2205730	4	16.99	4064970	20.0
9H-Fluorene, 1-me...	16.29	15.0	ng/ul	3041790	4	16.99	4064970	20.0
unknown-01	16.56	6.7	ng/ul	1358650	4	16.99	4064970	20.0
9H-Fluorene, 2-me...	16.65	12.2	ng/ul	2480620	4	16.99	4064970	20.0
Naphtho[2,3-b]thi...	16.80	40.6	ng/ul	8255710	4	16.99	4064970	20.0
unknown-02	17.17	7.0	ng/ul	1428430	4	16.99	4064970	20.0
Anthracene, 9-eth...	17.50	12.7	ng/ul	2584820	4	16.99	4064970	20.0
Dibenzothiophene,...	17.56	23.5	ng/ul	4783780	4	16.99	4064970	20.0
Benzene, 1-fluoro...	17.70	15.6	ng/ul	3178920	4	16.99	4064970	20.0
Anthrone	17.79	12.3	ng/ul	2495510	4	16.99	4064970	20.0