LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009632.D
Acq On : 07 Feb 2020 05:23
Operator : CG/JU
Sample : L1324-04 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61

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-BN020320MA.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	3.758	125	131	148	rBV	1955636	2999092	1.72%	0.192%
2	5.146	360	367	383	rBV	4864960	10234727	5.88%	0.656%
3	5.481	415	424	439	rVV2	6256259	14816195	8.52%	0.949%
4	6.681	622	628	639	rVB	1555993	2458475	1.41%	0.157%
5	7.099	692	699	707	rVV2	8825447	16737263	9.62%	1.072%
6	7.181	707	713	723	rVB	2088384	3441576	1.98%	0.220%
7	7.546	767	775	782	rVV	1648352	2770928	1.59%	0.177%
8	7.963	836	846	854	rBV	15964801	26912705	15.47%	1.724%
9	8.693	966	970	978	rVB	1441863	2617458	1.50%	0.168%
10	9.628	1115	1129	1135	rBV3	3181427	8629665	4.96%	0.553%
11	9.698	1135	1141	1160	rVB	3027365	7713863	4.44%	0.494%
12	10.198	1220	1226	1227	rVV	1734880	2571062	1.48%	0.165%
13	10.304	1227	1244	1248	rVV2	45246673	173928884	100.00%	11.141%
14	10.369	1250	1255	1261	rBV	2320037	3462943	1.99%	0.222%
15	11.593	1457	1463	1469	rVB	2172346	3678445	2.11%	0.236%
16	11.898	1503	1515	1519	rVB2	36953673	90039458	51.77%	5.767%
17	12.116	1536	1552	1556	rBV	30489435	62626429	36.01%	4.012%
18	12.904	1679	1686	1699	rVB	13593782	22118645	12.72%	1.417%
19	13.092	1713	1718	1731	rVB	2735316	6638489	3.82%	0.425%
20	13.239	1735	1743	1744	rBV	8308544	13119714	7.54%	0.840%
21	13.404	1762	1771	1776	rBV	14239580	28575880	16.43%	1.830%
22	13.457	1776	1780	1788	rVB	10023261	13807619	7.94%	0.884%
23	13.534	1788	1793	1799	rVB	8432573	12218324	7.02%	0.783%
24	13.639	1805	1811	1815	rBV	6929443	12021445	6.91%	0.770%
25	13.816	1831	1841	1846	rVV2	31394464	57688479	33.17%	3.695%
26	14.010	1869	1874	1877	rBV	1775025	2394796	1.38%	0.153%
27	14.063	1877	1883	1890	rVV2	6126526	10668796	6.13%	0.683%
28	14.139	1891	1896	1899	rVV	4890960	7344696	4.22%	0.470%
29	14.175	1899	1902	1906	rVV	2503953	3241283	1.86%	0.208%
30	14.298	1917	1923	1931	rBV	1191090	2877444	1.65%	0.184%
31	14.481	1945	1954	1963	rBV2	5795271	11835602	6.80%	0.758%
32	14.563	1963	1968	1973	rVB	3268329	4569213	2.63%	0.293%
33	14.698	1984	1991	1997	rBV2	3896348	8968966	5.16%	0.575%
34	14.763	1998	2002	2005	rVB	2447011	2995443	1.72%	0.192%

LSC Area Percent Report

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Operator : CG/JU
Sample : L1324-04 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61

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-BN020320MA.M
Title : SVOA CALIBRATION

35	14.857	2013	2018	2020	rBV2	1703790	2535762	1.46%	0.162%
36	14.963	2031	2036	2041	rVB2	6152845	9312610	5.35%	0.597%
37	15.081	2051	2056	2061	rVB3	4916378	7369776	4.24%	0.472%
38	15.151	2061	2068	2078	rVB	22042021	43057848	24.76%	2.758%
39	15.345	2096	2101	2105	rBV5	994473	2290119	1.32%	0.147%
40	15.433	2111	2116	2120	rBV2	2921502	4420625	2.54%	0.283%
41	15.581	2137	2141	2150	rVB2	1994452	4287106	2.46%	0.275%
42	15.828	2177	2183	2187	rBV2	1621507	3396729	1.95%	0.218%
43	16.145	2229	2237	2242	rVV2	5175416	11761795	6.76%	0.753%
44	16.192	2242	2245	2251	rVV	3717099	5349528	3.08%	0.343%
45	16.292	2257	2262	2268	rVB	2977165	4614614	2.65%	0.296%
46	16.504	2293	2298	2304	rVB	2877260	4313658	2.48%	0.276%
47	16.657	2316	2324	2337	rVB	8585298	15536785	8.93%	0.995%
48	16.922	2350	2369	2373	rBV2	45236220	129244885	74.31%	8.279%
49	16.986	2373	2380	2384	rVV	18720425	26204976	15.07%	1.679%
50	17.028	2384	2387	2393	rVV3	1745017	3157210	1.82%	0.202%
51	17.363	2439	2444	2448	rVV2	3542808	4700351	2.70%	0.301%
52	17.416	2448	2453	2461	rVB3	4525040	7636670	4.39%	0.489%
53	17.557	2469	2477	2484	rVB2	3036194	6721514	3.86%	0.431%
54	17.722	2498	2505	2509	rVV	16022360	24803353	14.26%	1.589%
55	17.775	2509	2514	2518	rVV	17480998	25036857	14.39%	1.604%
56	17.851	2522	2527	2532	rVV	4639776	6986496	4.02%	0.448%
57	17.916	2532	2538	2542	rVV2	21417477	39108209	22.49%	2.505%
58	17.951	2542	2544	2552	rVB	11564033	13360470	7.68%	0.856%
59	18.222	2585	2590	2594	rBV	9487379	12630442	7.26%	0.809%
60	18.275	2595	2599	2607	rVB	3705810	5550723	3.19%	0.356%
61	18.469	2629	2632	2637	rVV3	1945610	3269191	1.88%	0.209%
62	18.522	2637	2641	2644	rVV	2545699	3637855	2.09%	0.233%
63	18.557	2644	2647	2652	rVB	1828866	2475773	1.42%	0.159%
64	18.645	2656	2662	2666	rBV2	7265791	12265918	7.05%	0.786%
65	18.710	2666	2673	2676	rVV3	4965442	10881541	6.26%	0.697%
66	18.739	2676	2678	2682	rVB	3540400	3907582	2.25%	0.250%
67	18.804	2682	2689	2694	rBV4	2870723	6537029	3.76%	0.419%
68	18.933	2701	2711	2715	rBV2	30443587	57964199	33.33%	3.713%
69	19.069	2728	2734	2738	rVB	13253954	18095325	10.40%	1.159%
70	19.304	2763	2774	2778	rBV2	36507616	78687039	45.24%	5.040%
71	19.357	2779	2783	2788	rVB3	1629153	2906529	1.67%	0.186%

LSC Area Percent Report

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Operator : CG/JU
Sample : L1324-04 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61

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-BN020320MA.M
Title : SVOA CALIBRATION

72	19.610	2821	2826	2836	rVB2	4355232	9436839	5.43%	0.604%
73	19.745	2844	2849	2851	rVV4	4605379	8007535	4.60%	0.513%
74	19.780	2852	2855	2859	rVB	9320937	12000993	6.90%	0.769%
75	19.880	2868	2872	2877	rBV	6262086	7683732	4.42%	0.492%
76	19.939	2877	2882	2886	rVV	6727191	8074717	4.64%	0.517%
77	20.074	2901	2905	2909	rVV	4771619	6336992	3.64%	0.406%
78	20.121	2909	2913	2917	rVB	6475193	7653168	4.40%	0.490%
79	20.533	2980	2983	2989	rVB	2630405	3739344	2.15%	0.240%
80	20.692	3007	3010	3014	rVV	3939754	4769725	2.74%	0.306%
81	20.733	3014	3017	3020	rVV	4969752	5359121	3.08%	0.343%
82	20.774	3020	3024	3027	rVV	3392281	4297416	2.47%	0.275%
83	20.833	3031	3034	3039	rVB	3029409	4125565	2.37%	0.264%
84	21.045	3064	3070	3075	rBV	21786531	40966551	23.55%	2.624%
85	21.104	3075	3080	3084	rVV	19340048	28011603	16.11%	1.794%
86	21.204	3095	3097	3102	rVV3	1178652	2249932	1.29%	0.144%
87	21.257	3103	3106	3119	rVB3	4868563	8402065	4.83%	0.538%
88	21.592	3157	3163	3167	rVV	5576756	9056719	5.21%	0.580%
89	21.639	3168	3171	3176	rVB	3148772	3787874	2.18%	0.243%
90	21.774	3190	3194	3197	rBV2	2664124	3816465	2.19%	0.244%
91	21.868	3207	3210	3215	rVB	1794500	2385672	1.37%	0.153%
92	22.568	3320	3329	3332	rBV	10114610	23405565	13.46%	1.499%
93	22.710	3348	3353	3359	rVB	3583490	5763469	3.31%	0.369%
94	22.998	3395	3402	3410	rVB	7273003	13482885	7.75%	0.864%
95	23.104	3411	3420	3425	rVV	12547197	24395952	14.03%	1.563%
96	23.174	3429	3432	3435	rVV	1663203	2503201	1.44%	0.160%
97	23.221	3436	3440	3447	rVB2	2622490	4657473	2.68%	0.298%
98	23.974	3563	3568	3579	rVB2	1582412	3550452	2.04%	0.227%
99	25.256	3777	3786	3793	rVB2	4417755	11980738	6.89%	0.767%
100	25.892	3885	3894	3907	rVB	3525912	10529158	6.05%	0.674%

Sum of corrected areas: 1561172015

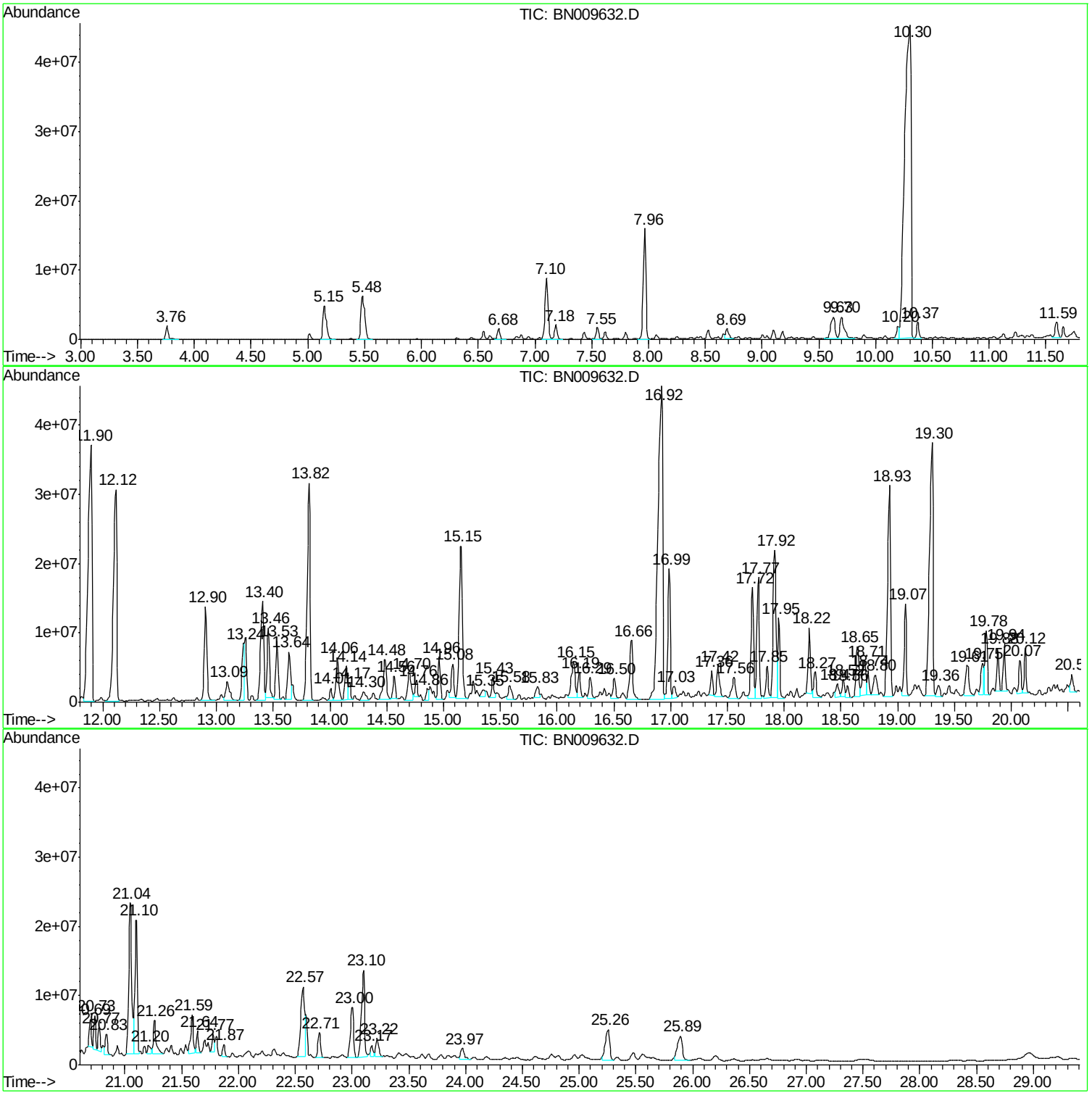
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009632.D
Acq On : 07 Feb 2020 05:23
Operator : CG/JU
Sample : L1324-04 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
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Misc :
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Instrument : BNA_N
ClientSampleId : GAT61

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

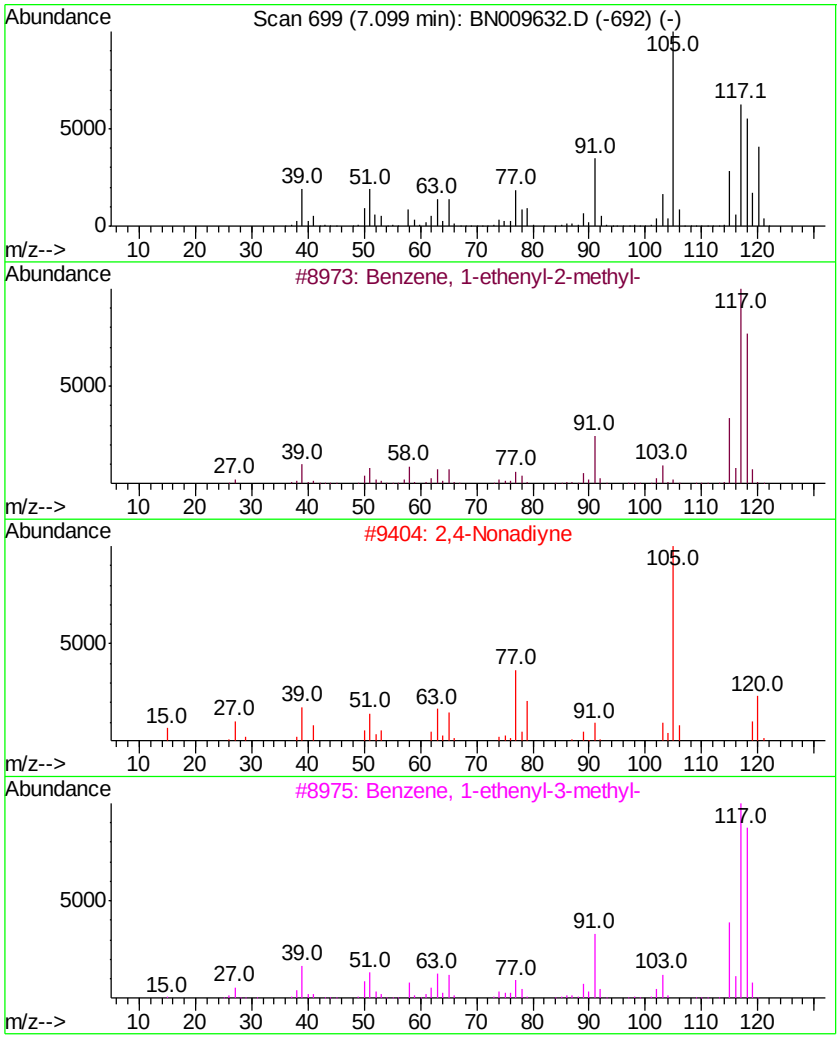
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

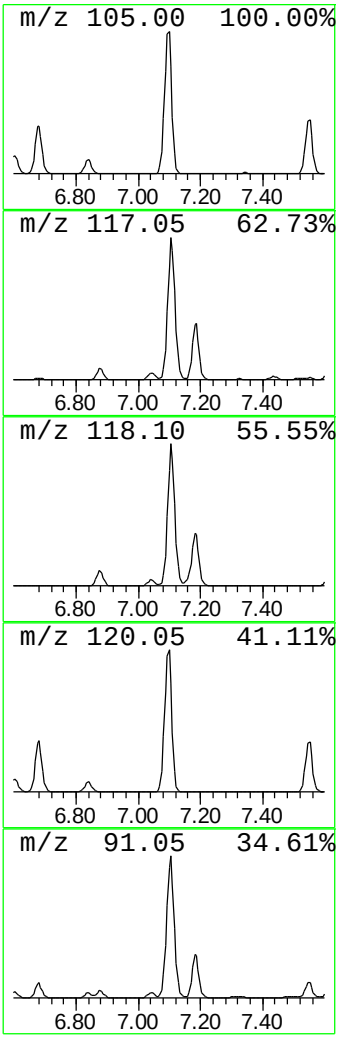
****

Peak Number 4 Benzene, 1-ethenyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	120.81 ng/ul	16737300	1,4-Dichlorobenzene-d4	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	86
2	2,4-Nonadiyne	120	C9H12	063621-15-8	83
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	64
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	50
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009632.D
Acq On : 07 Feb 2020 05:23
Operator : CG/JU
Sample : L1324-04 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

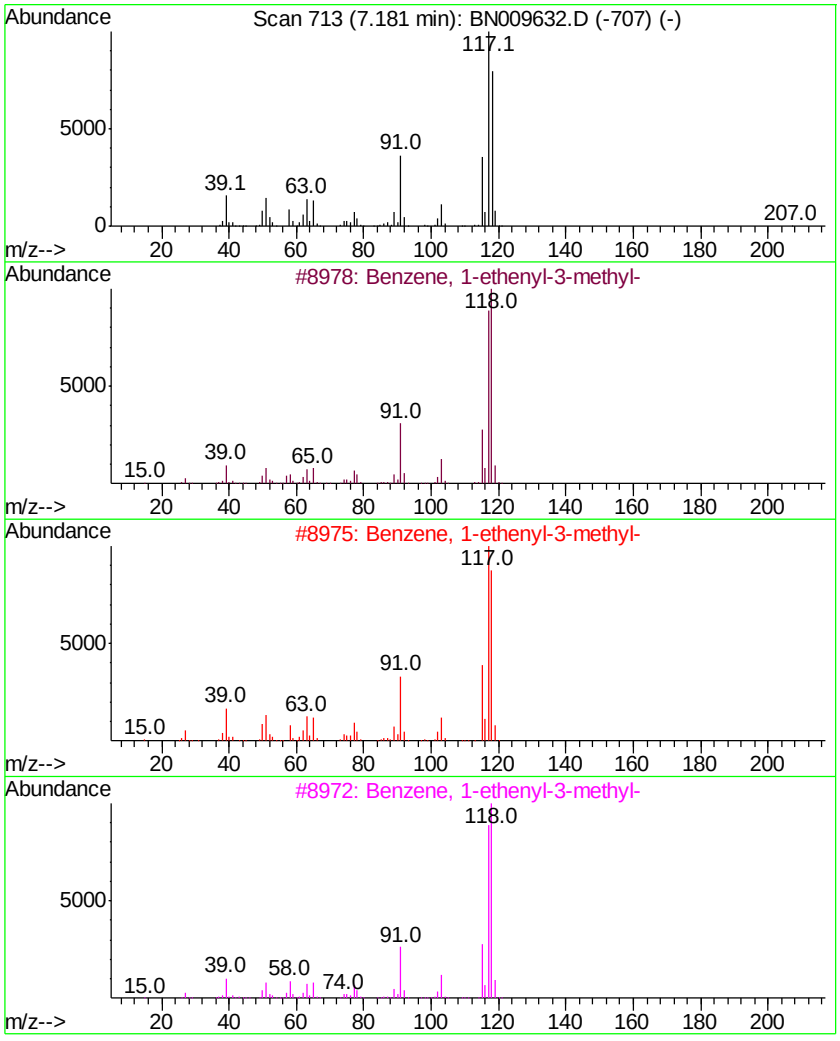
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

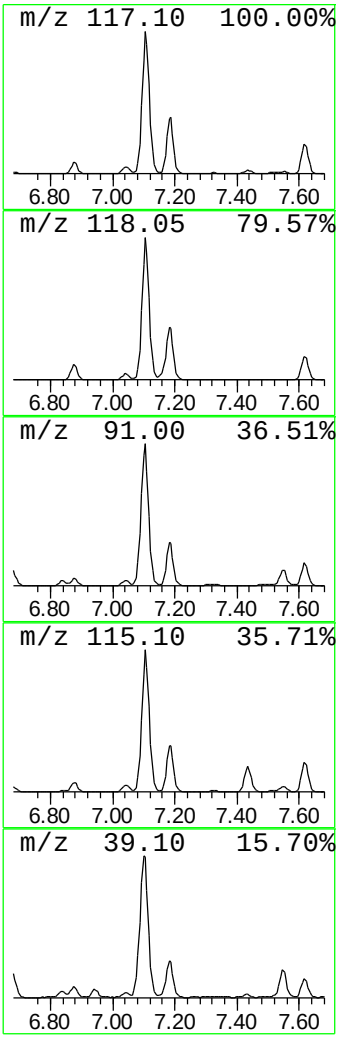
****

Peak Number 5 Benzene, 1-ethenyl-3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	24.84 ng/ul	3441580	1,4-Dichlorobenzene-d4	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	95
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93





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Misc :
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Instrument : BNA_N
ClientSampleId : GAT61

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

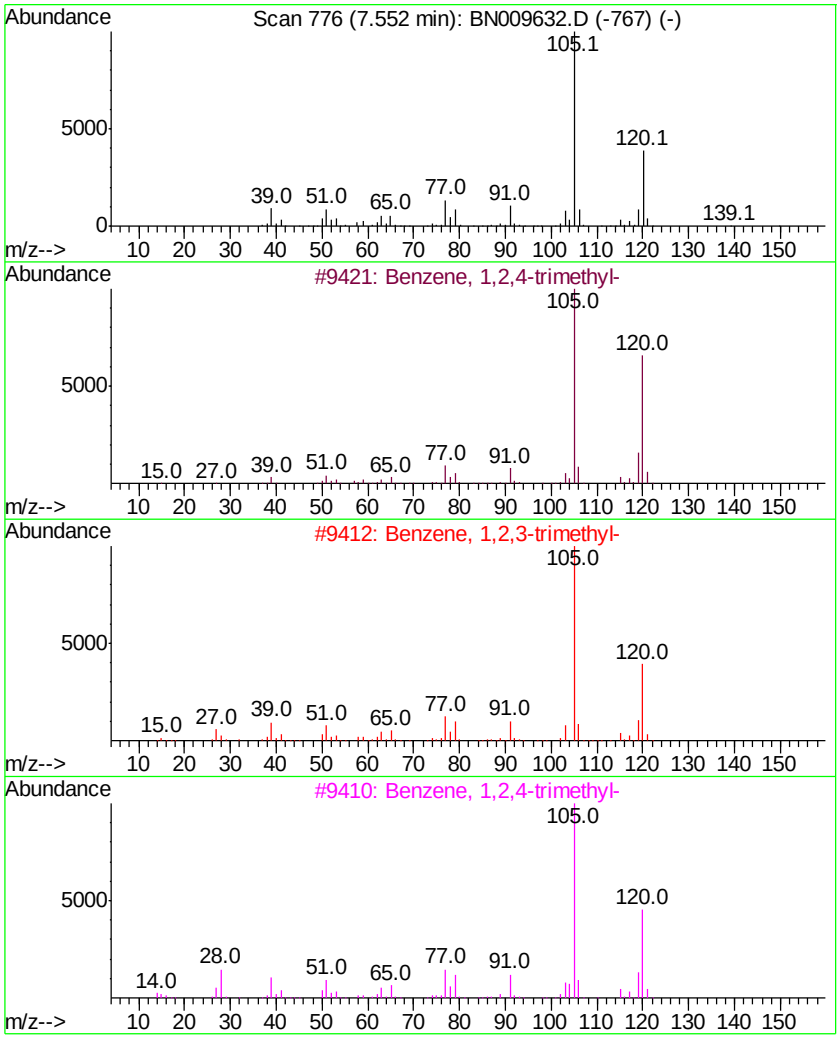
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

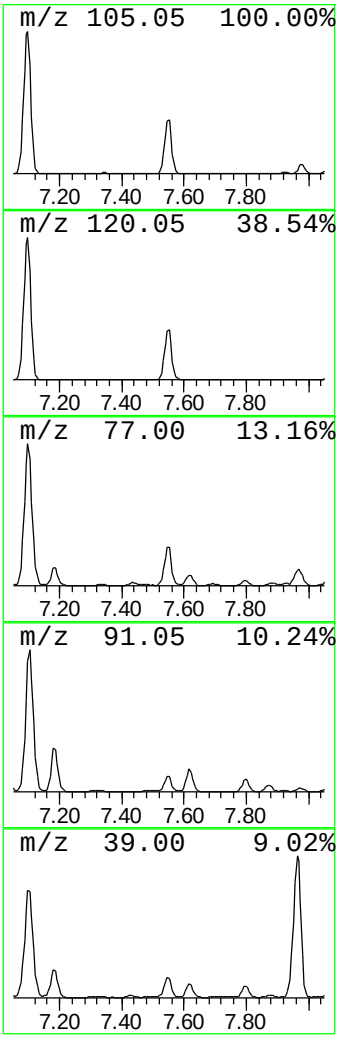
****

Peak Number 6 Benzene, 1,2,4-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.55	20.00 ng/ul	2770930	1,4-Dichlorobenzene-d4	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
Data File : BN009632.D
Acq On : 07 Feb 2020 05:23
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Sample : L1324-04 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

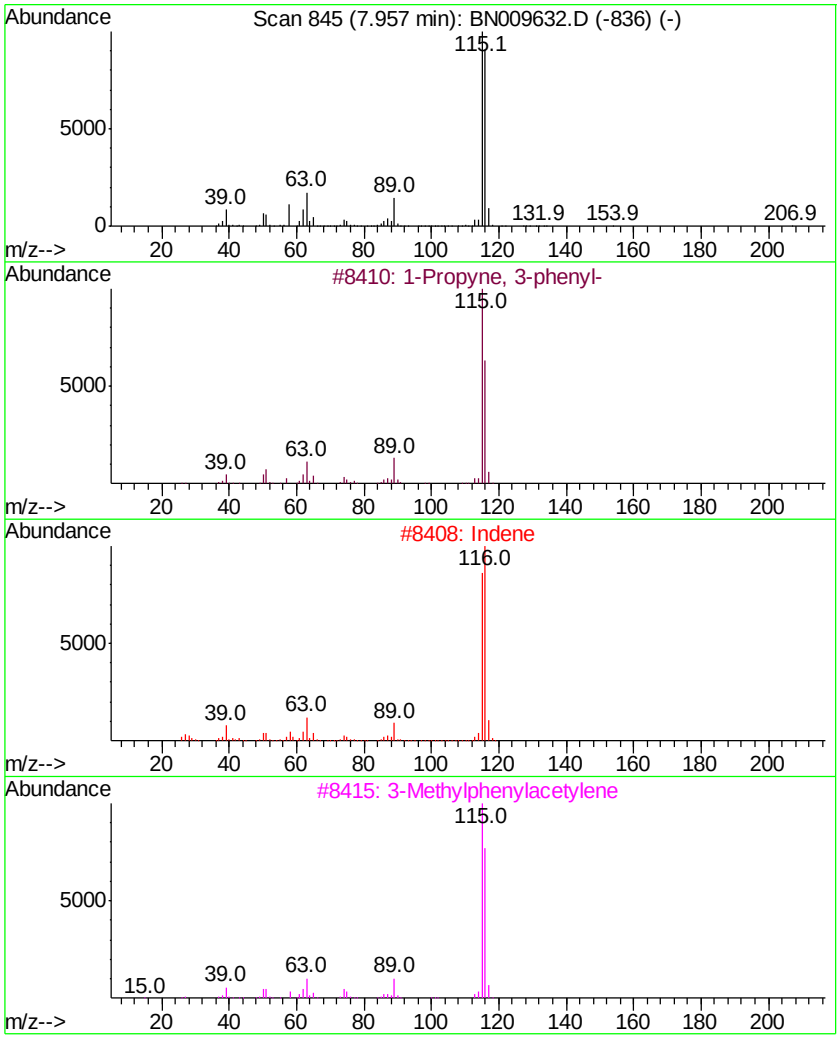
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

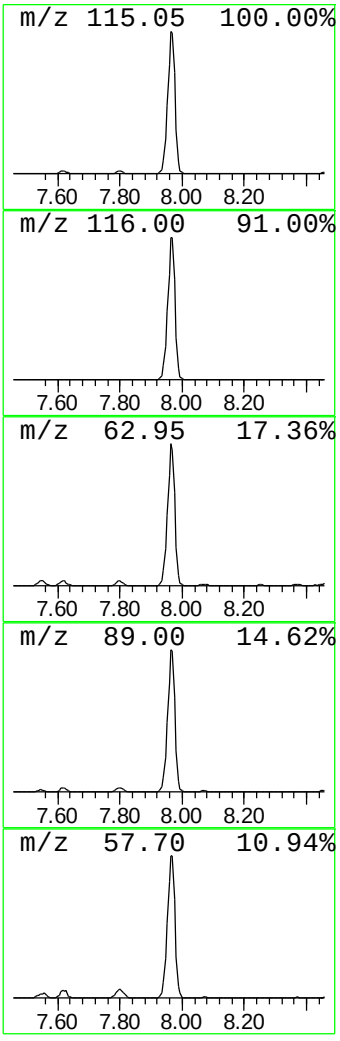
****

Peak Number 7 1-Propyne, 3-phenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	194.25 ng/ul	26912700	1,4-Dichlorobenzene-d4	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
2	Indene	116	C9H8	000095-13-6	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

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Data File : BN009632.D
Acq On : 07 Feb 2020 05:23
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Sample : L1324-04 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

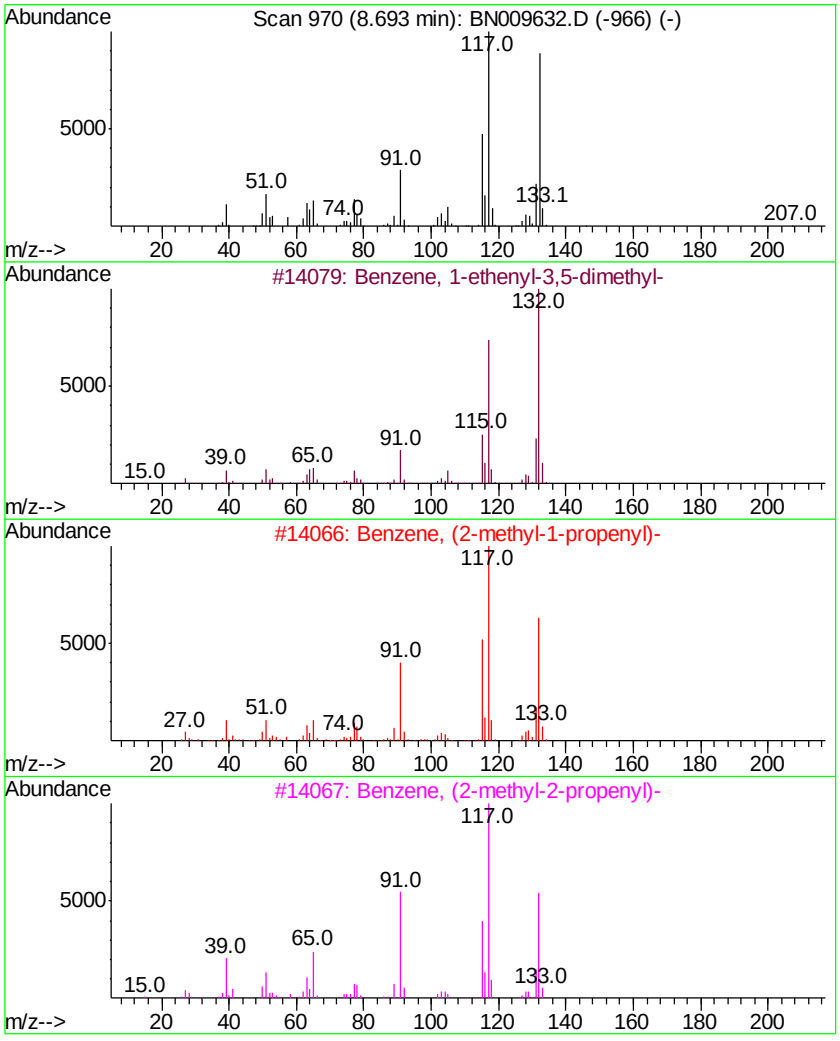
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

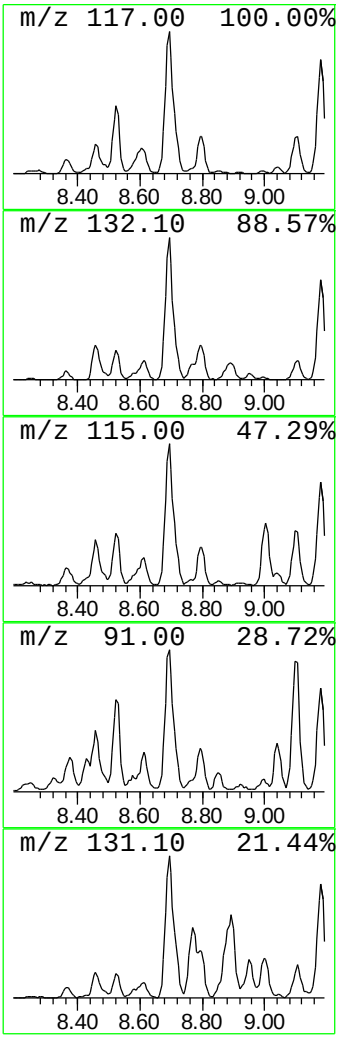
****

Peak Number 8 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.69	18.89 ng/ul	2617460	1,4-Dichlorobenzene-d4	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	96
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	94
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94





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Acq On : 07 Feb 2020 05:23
Operator : CG/JU
Sample : L1324-04 10X
Misc :
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Instrument : BNA_N
ClientSampleId : GAT61

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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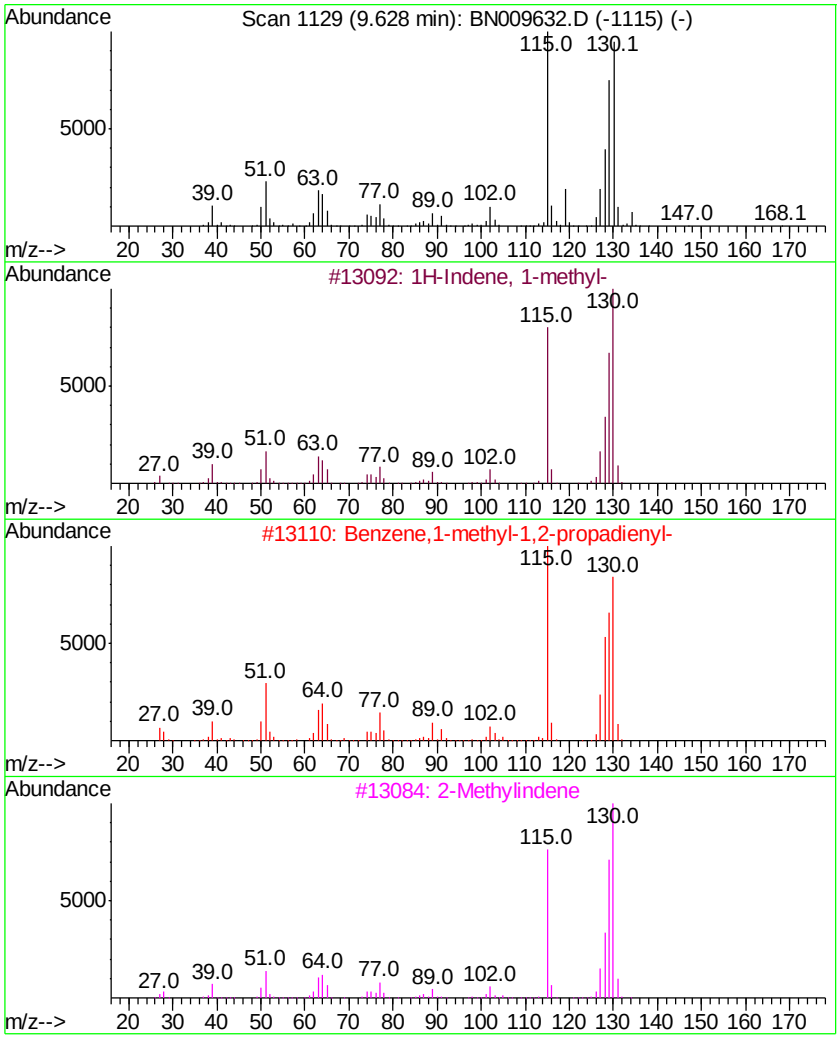
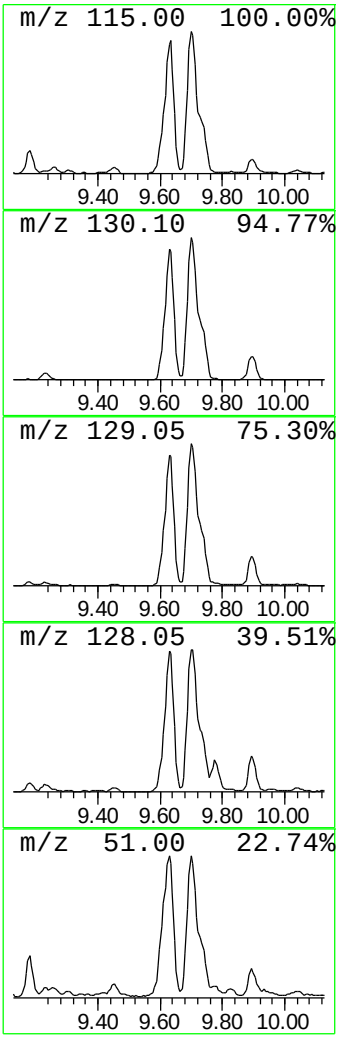
Peak Number 9 1H-Indene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	67.13 ng/ul	8629670	Naphthalene-d8	10.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
3	2-Methylindene	130	C10H10	002177-47-1	95
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	95
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95





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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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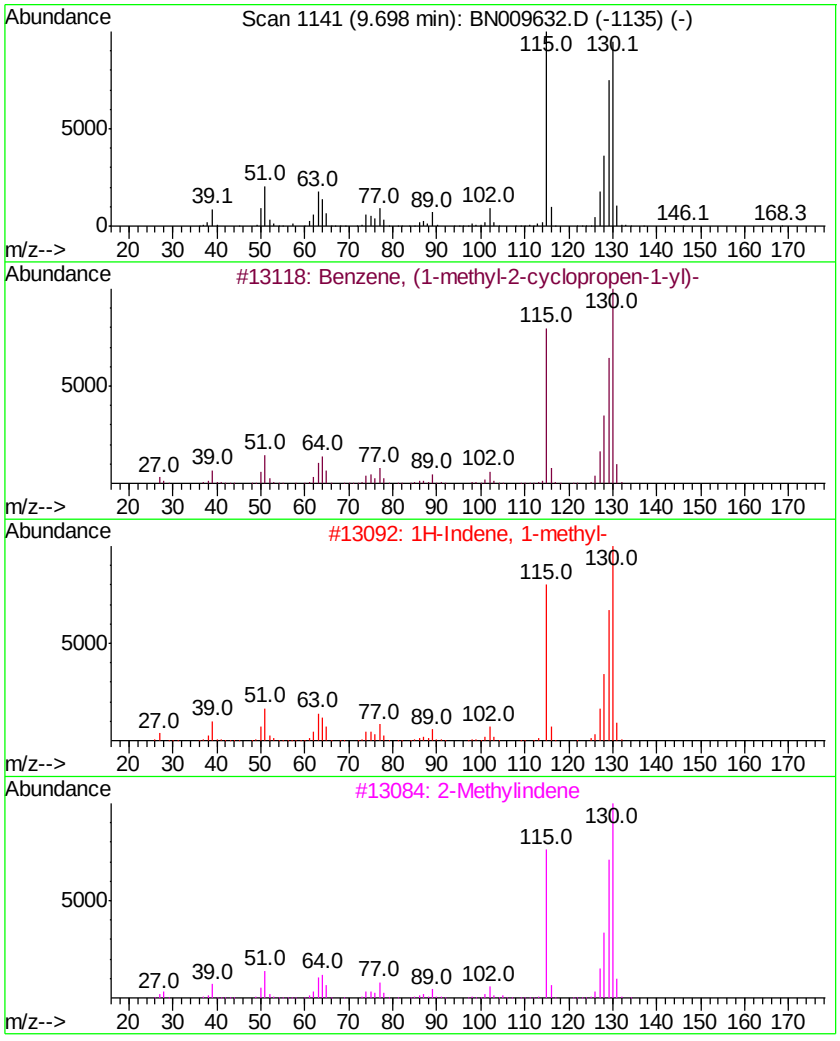
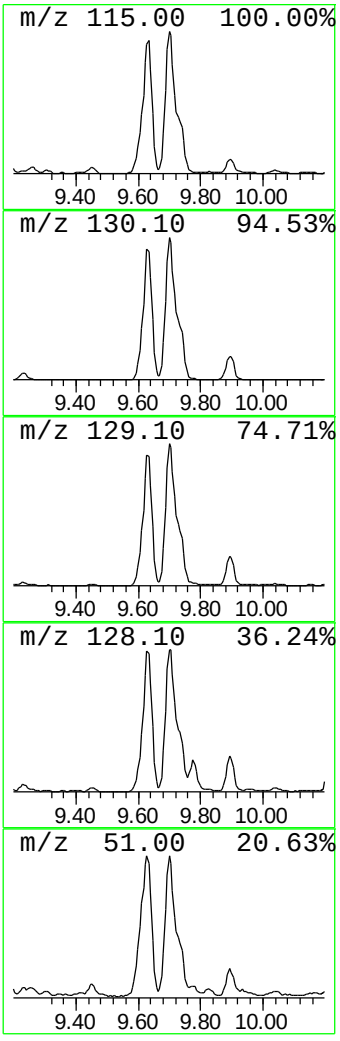
Peak Number 10 Benzene, (1-methyl-2-cyclop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	60.01 ng/ul	7713860	Naphthalene-d8	10.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3	2-Methylindene	130	C10H10	002177-47-1	95
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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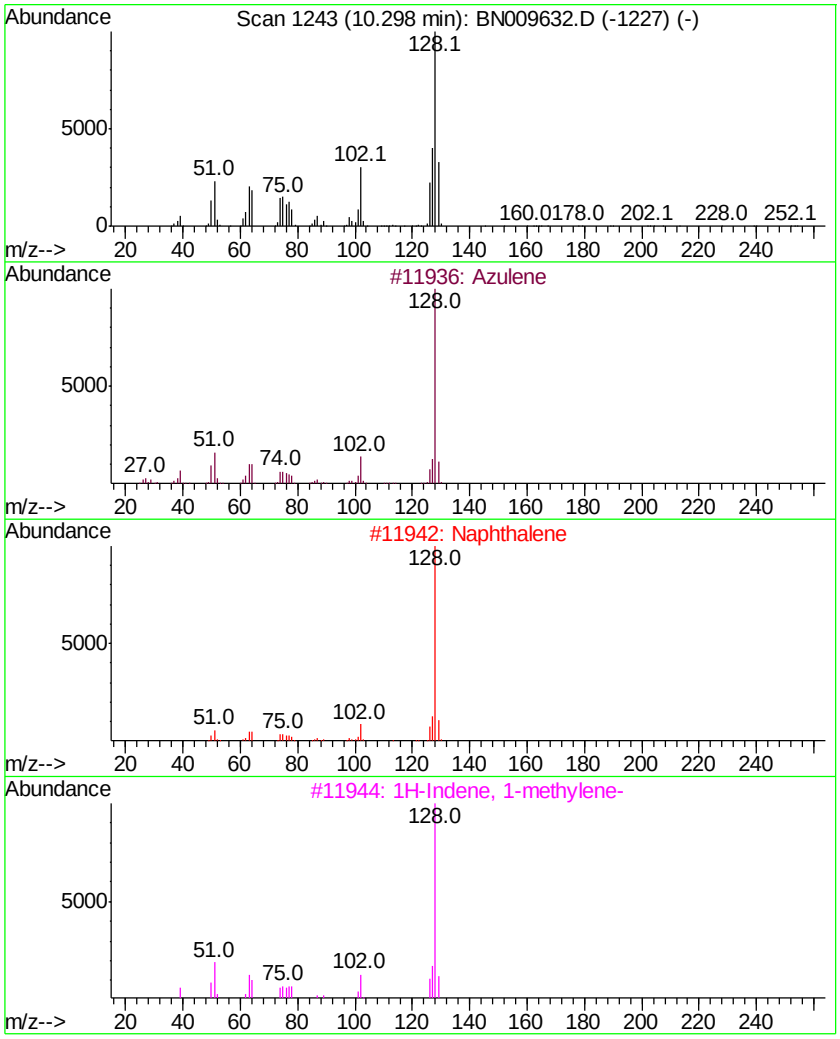
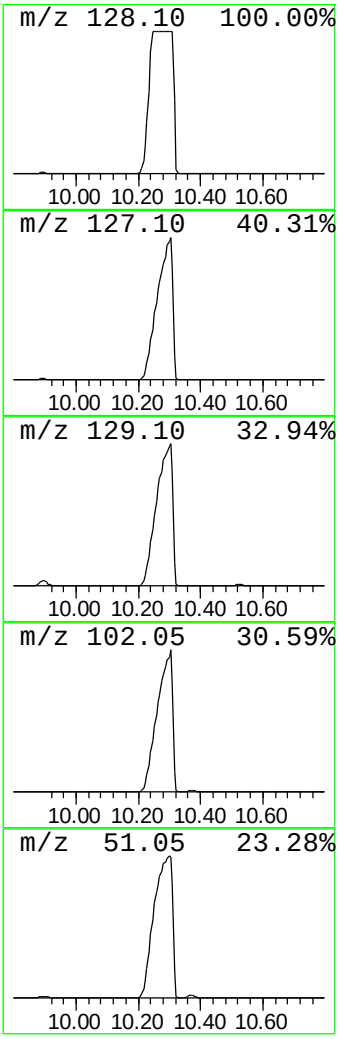
Peak Number 11 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	1352.97 ng/ul	173929000	Naphthalene-d8	10.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	89
2	Naphthalene	128	C10H8	000091-20-3	89
3	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	81
4	Azulene	128	C10H8	000275-51-4	76
5	4-Phenylbut-3-ene-1-yne	128	C10H8	1000222-12-0	72





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ClientSampleId : GAT61

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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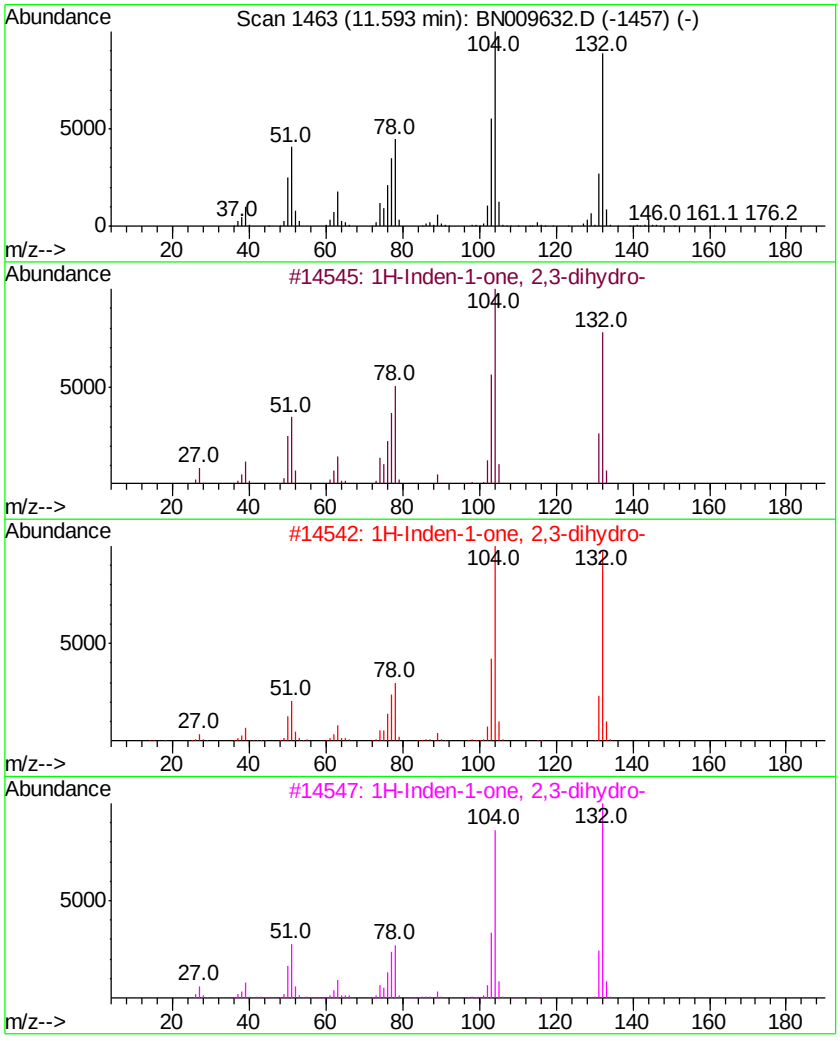
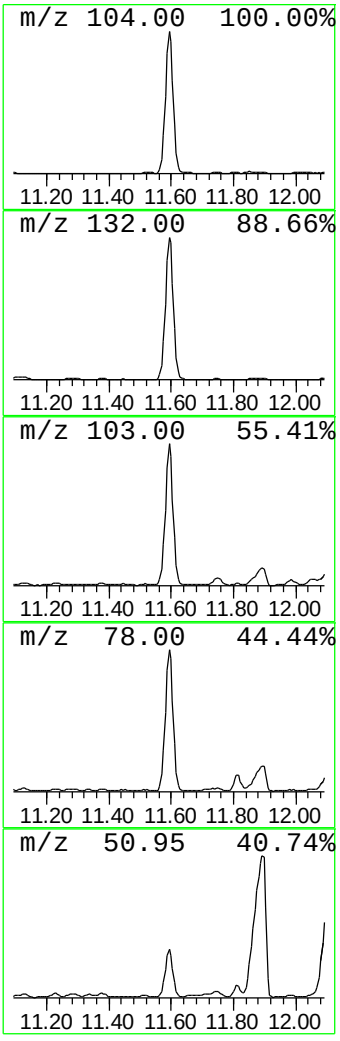
Peak Number 12 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	28.61 ng/ul	3678450	Naphthalene-d8	10.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	97
2	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	96
3	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	96
4	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	81
5	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	64





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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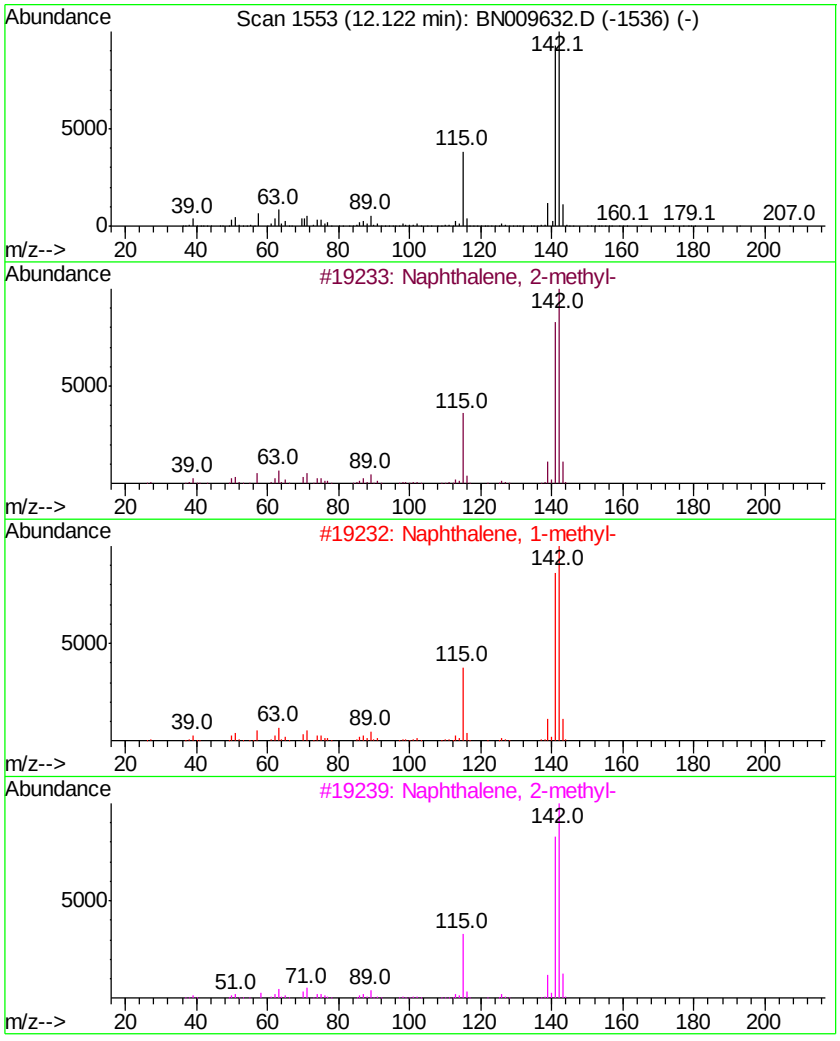
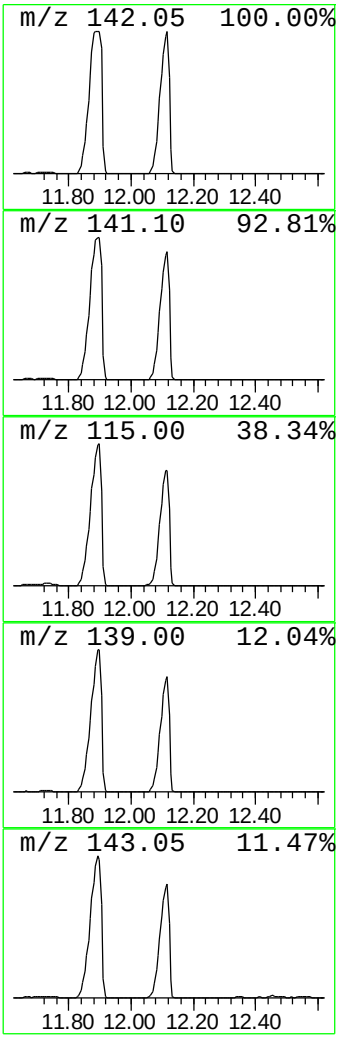
Peak Number 13 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	487.16 ng/ul	62626400	Naphthalene-d8	10.21

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, 2-methyl-	142	C11H10	000091-57-6	96
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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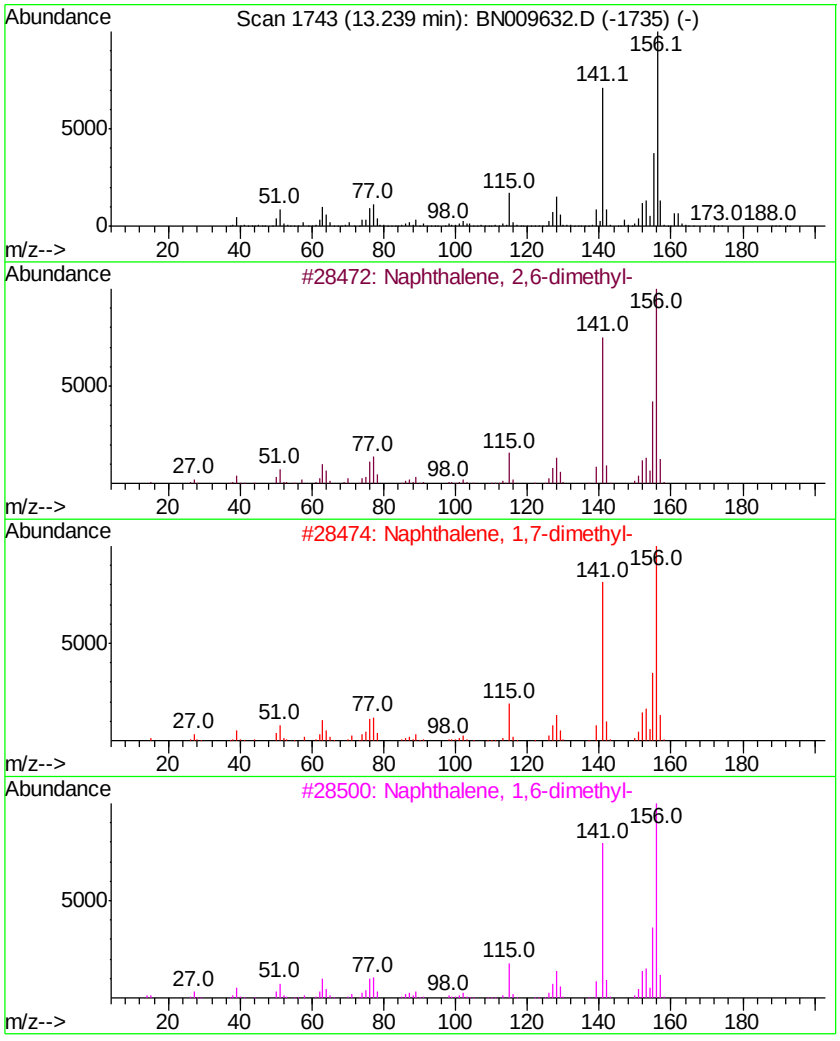
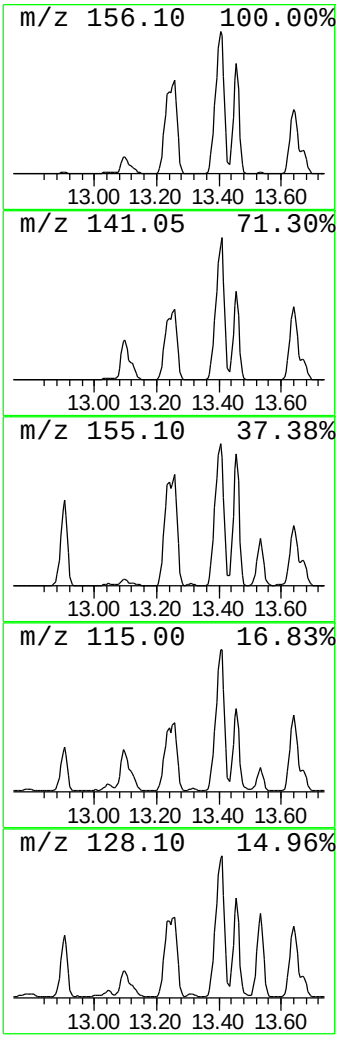
Peak Number 15 Naphthalene, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	24.59 ng/ul	13119700	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





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Sample : L1324-04 10X
Misc :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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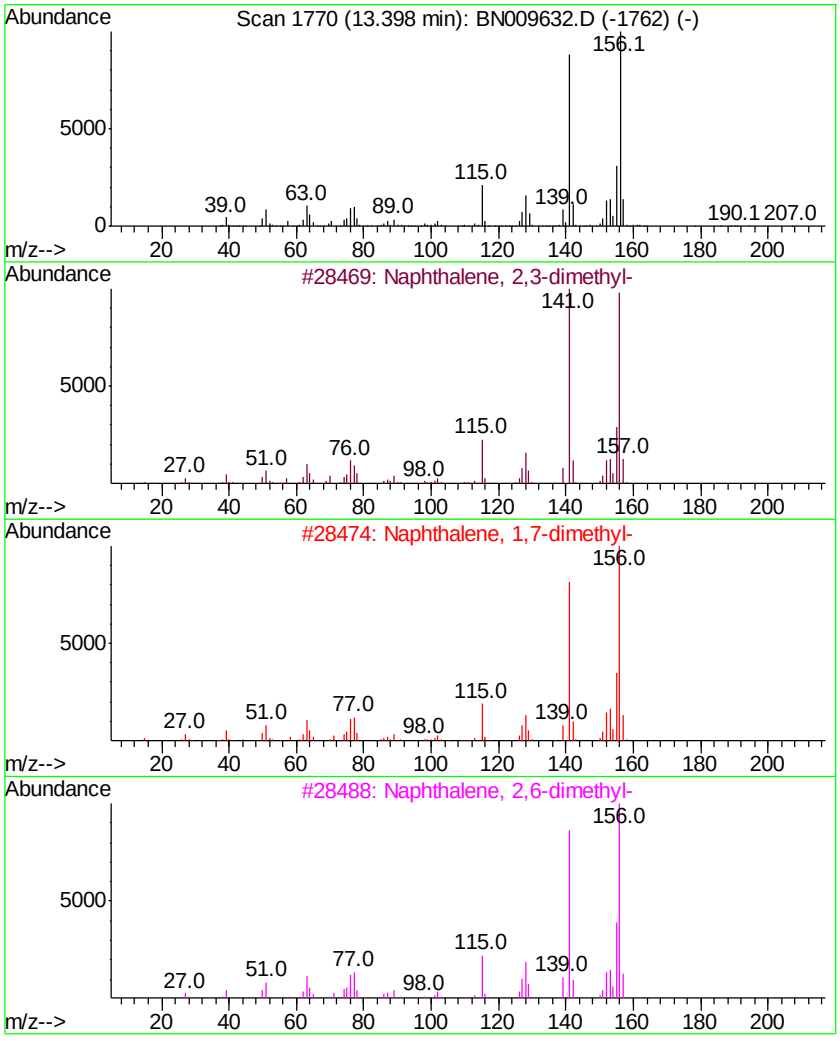
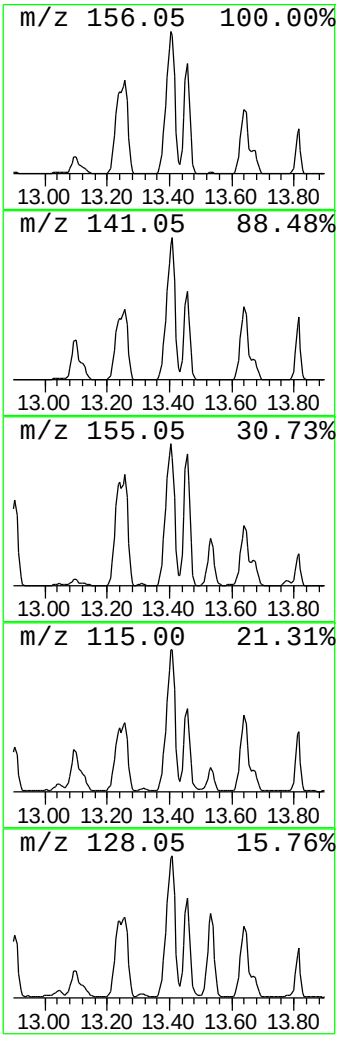
Peak Number 16 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	53.57 ng/ul	28575900	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
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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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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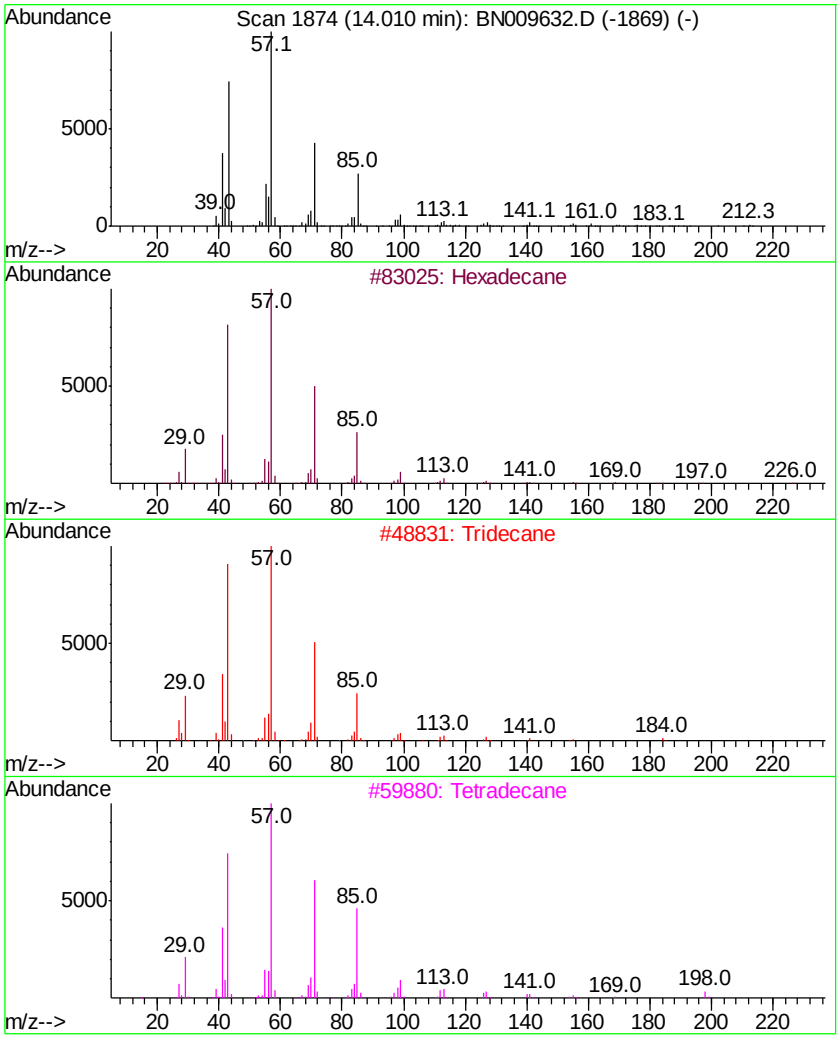
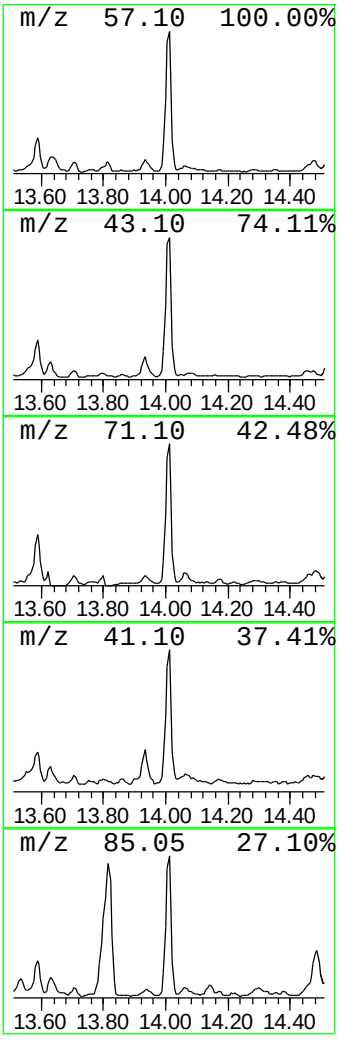
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	4.49 ng/ul	2394800	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tridecane	184	C13H28	000629-50-5	90
3	Tetradecane	198	C14H30	000629-59-4	83
4	Hexadecane	226	C16H34	000544-76-3	80
5	Tridecane, 4,8-dimethyl-	212	C15H32	055030-62-1	80





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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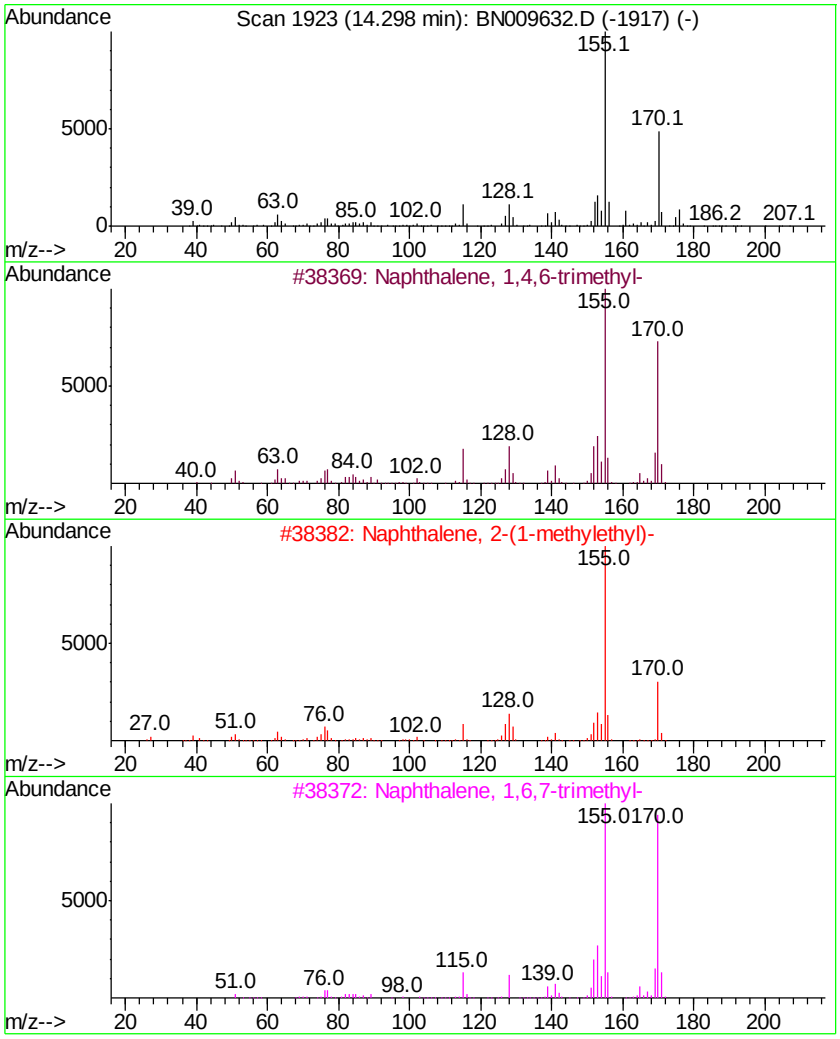
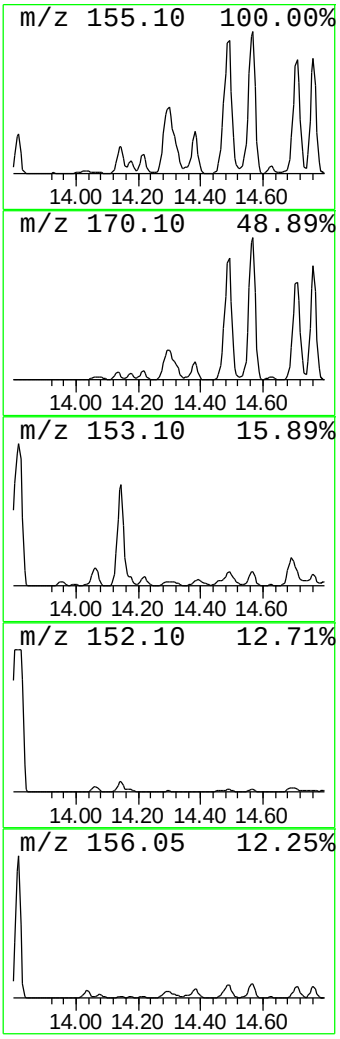
Peak Number 19 Naphthalene, 1,4,6-trimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	5.39 ng/ul	2877440	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	92
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
4	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	83
5	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	72





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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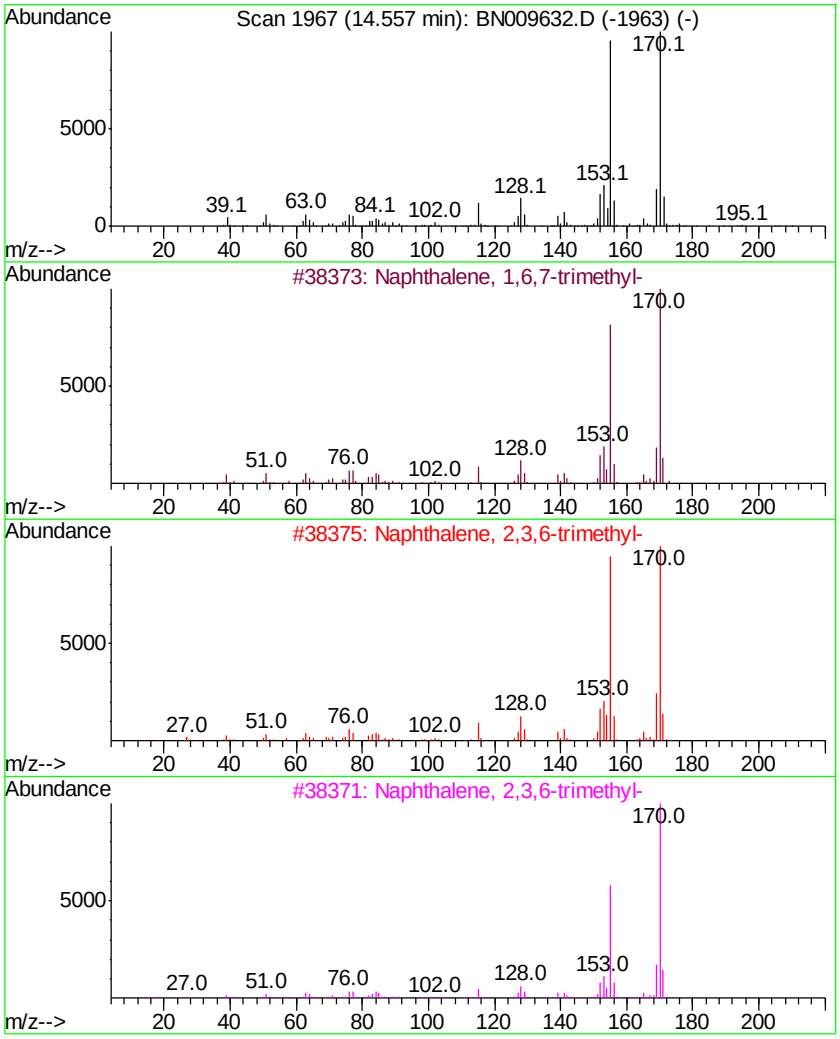
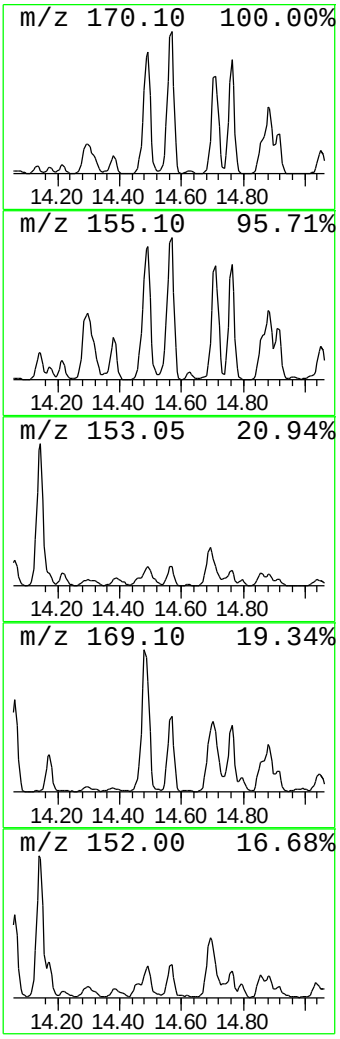
Peak Number 20 Naphthalene, 1,6,7-trimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	8.57 ng/ul	4569210	Acenaphthene-d10	14.07

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	97
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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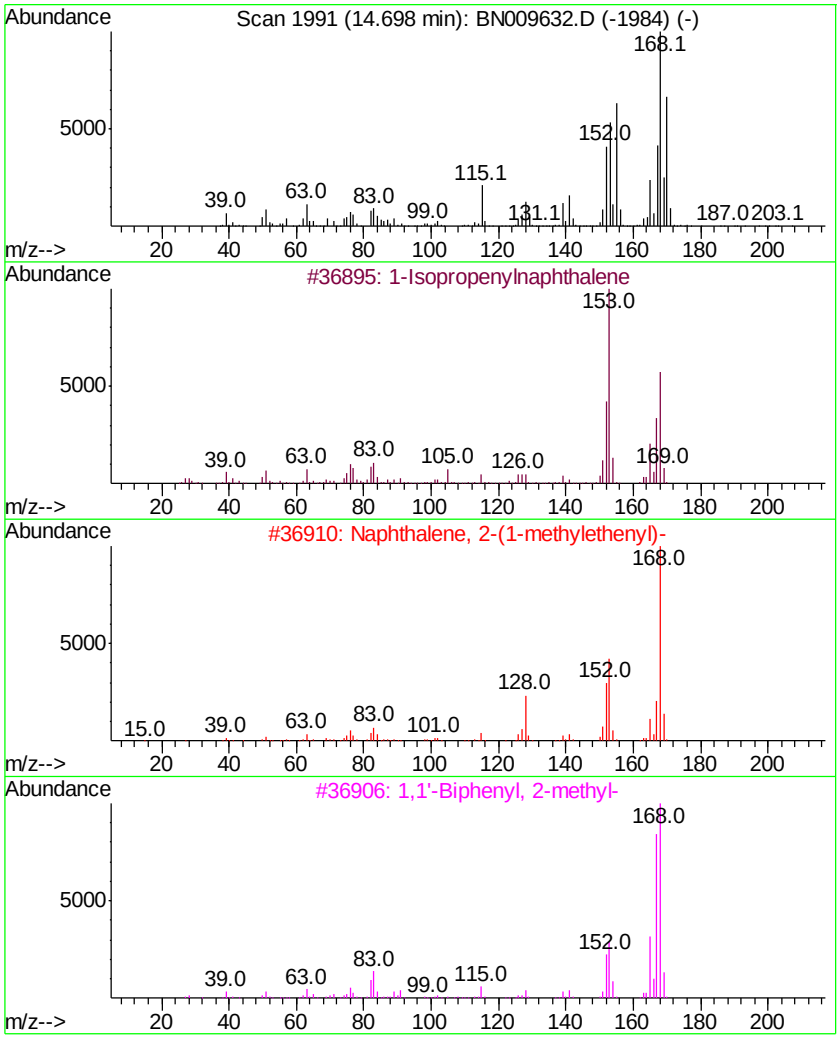
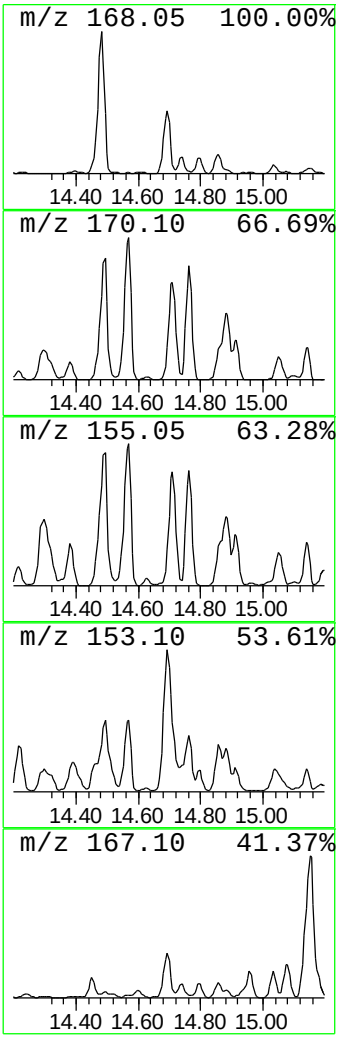
Peak Number 21 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	16.81 ng/ul	8968970	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	45
2	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	43
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	43
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	43
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	43





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ClientSampleId : GAT61

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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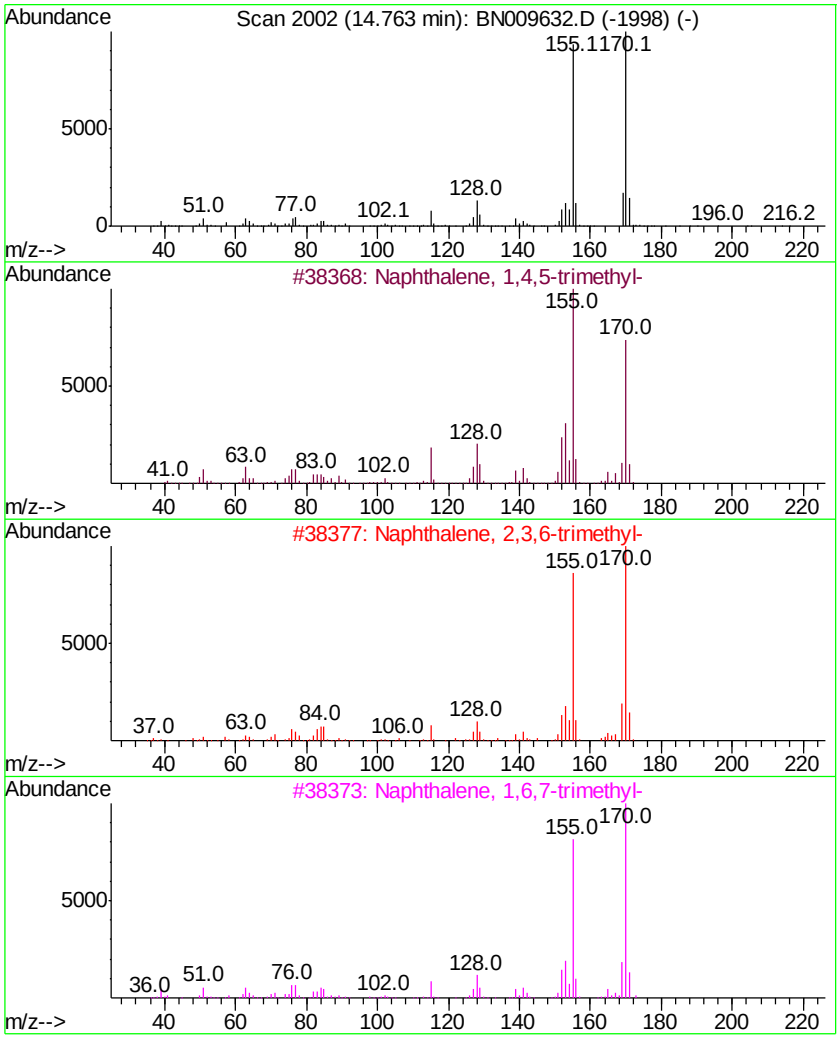
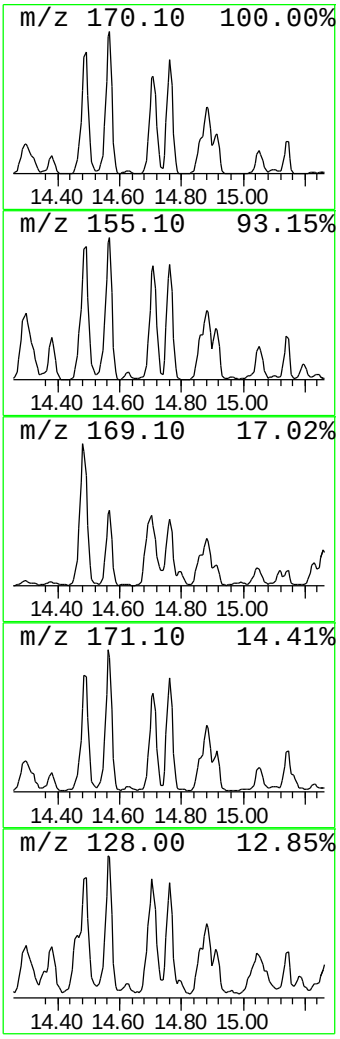
Peak Number 22 Naphthalene, 1,4,5-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	5.62 ng/ul	2995440	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	87
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	86





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Acq On : 07 Feb 2020 05:23
Operator : CG/JU
Sample : L1324-04 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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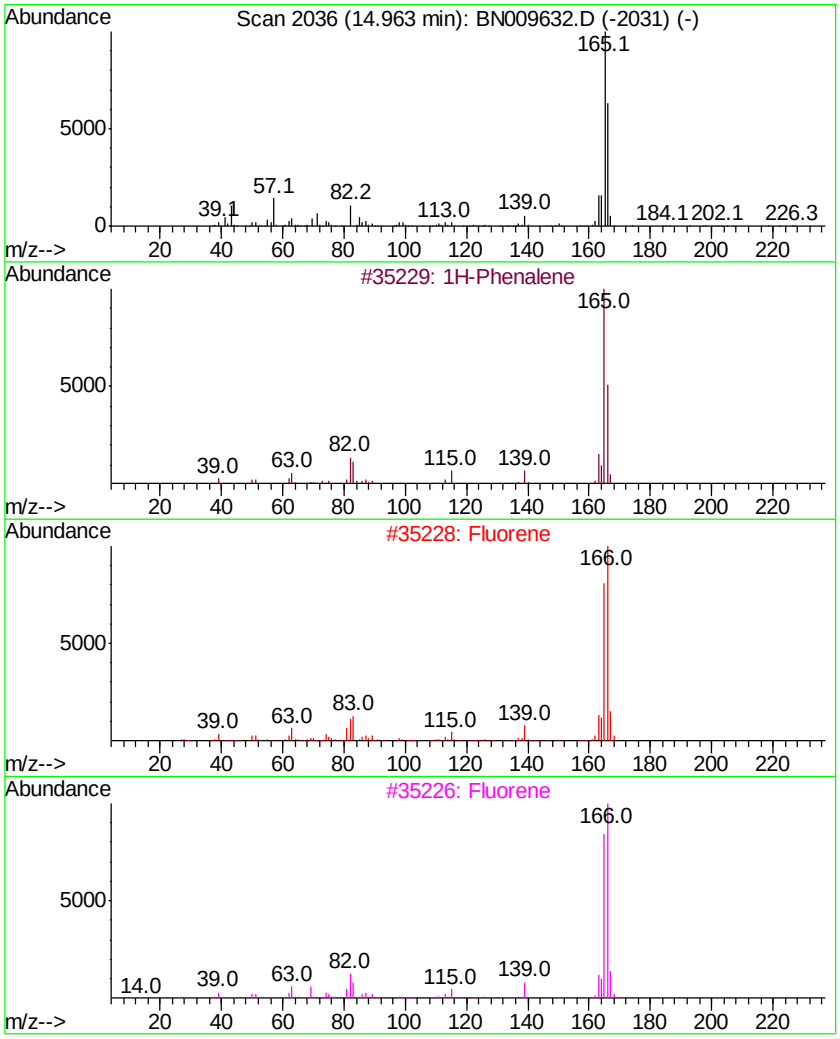
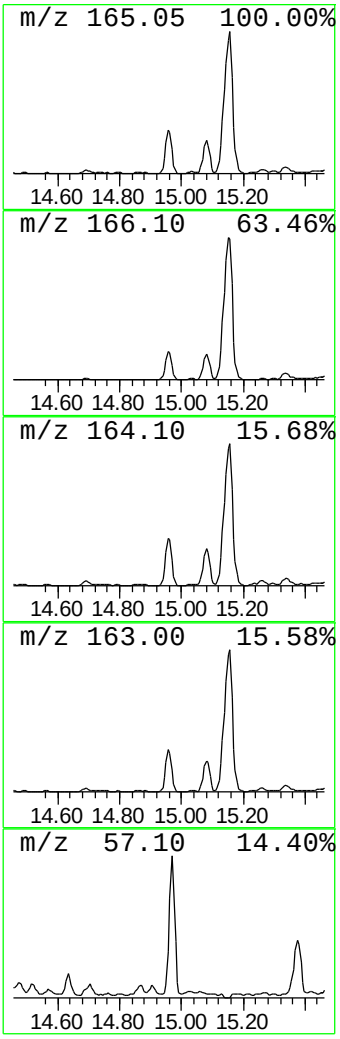
Peak Number 24 1H-Phenalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	17.46 ng/ul	9312610	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	72
2	Fluorene	166	C13H10	000086-73-7	52
3	Fluorene	166	C13H10	000086-73-7	49
4	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	33
5	s-Triazolo[4,3-a]pyridine-3-thio...	165	C7H7N3S	004926-22-1	28





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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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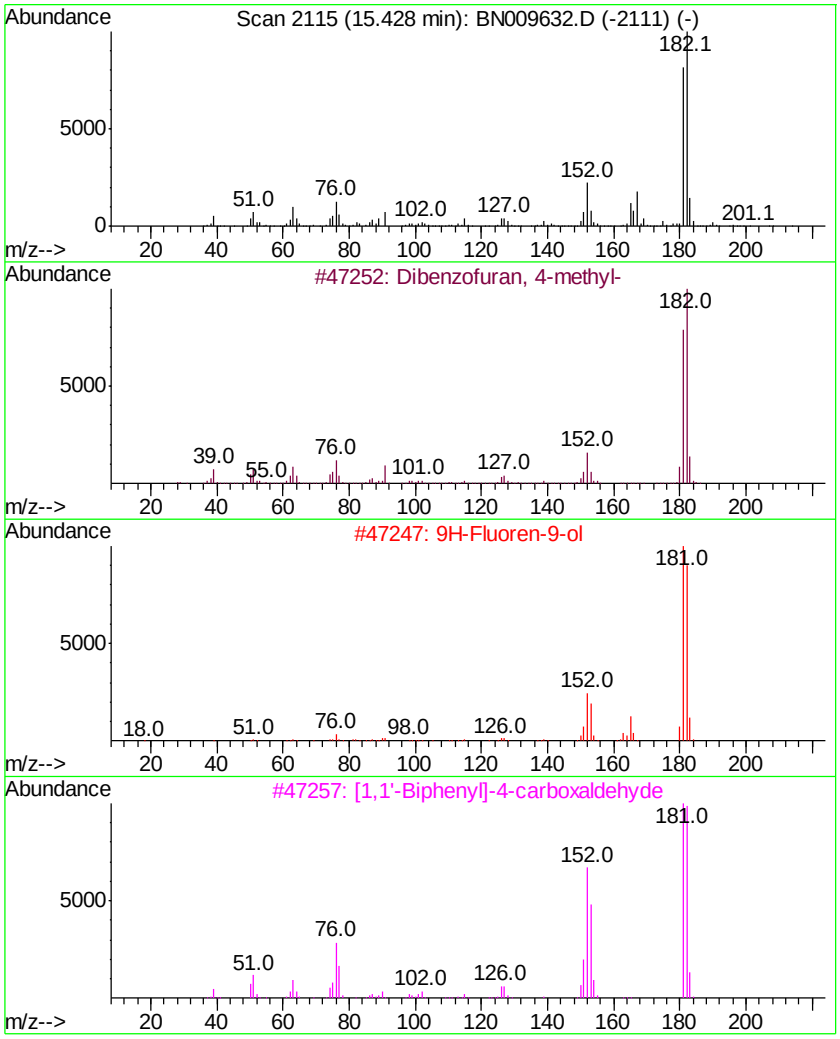
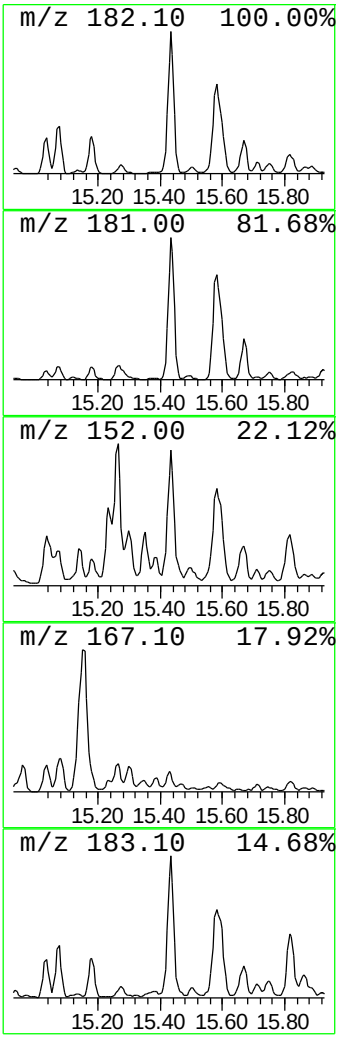
Peak Number 26 Dibenzofuran, 4-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	8.29 ng/ul	4420630	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
4	2-Hydroxyfluorene	182	C13H10O	002443-58-5	68
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64





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Sample : L1324-04 10X
Misc :
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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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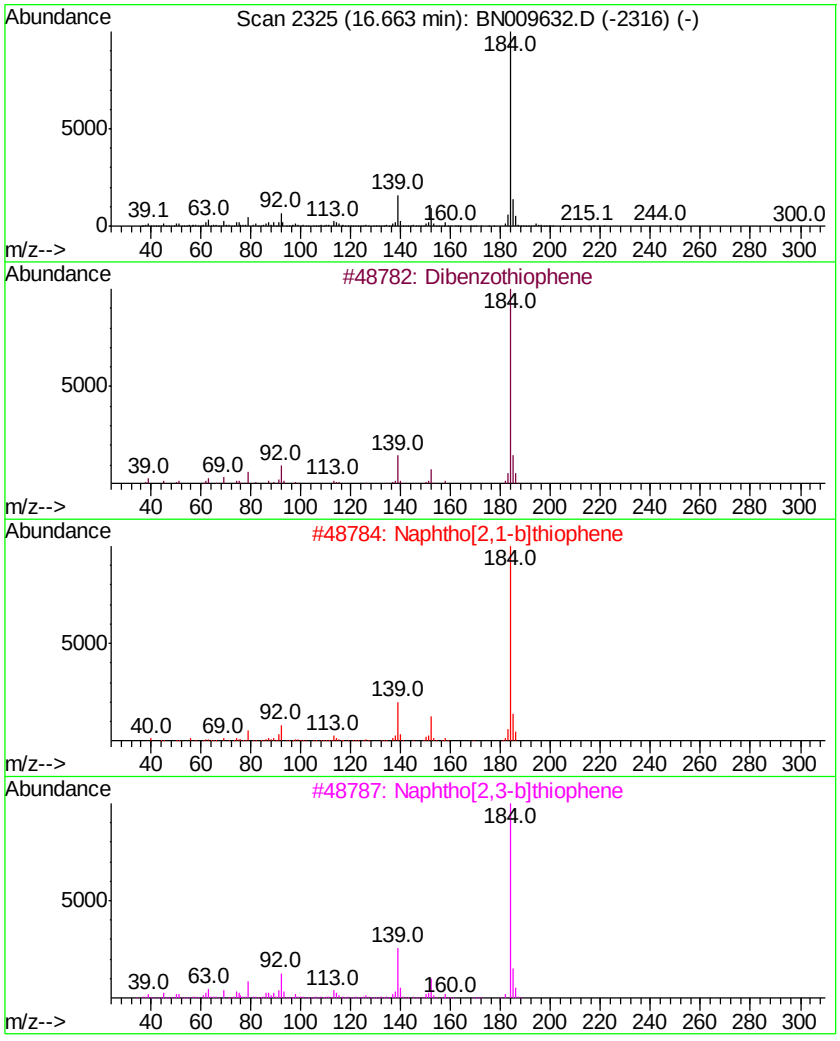
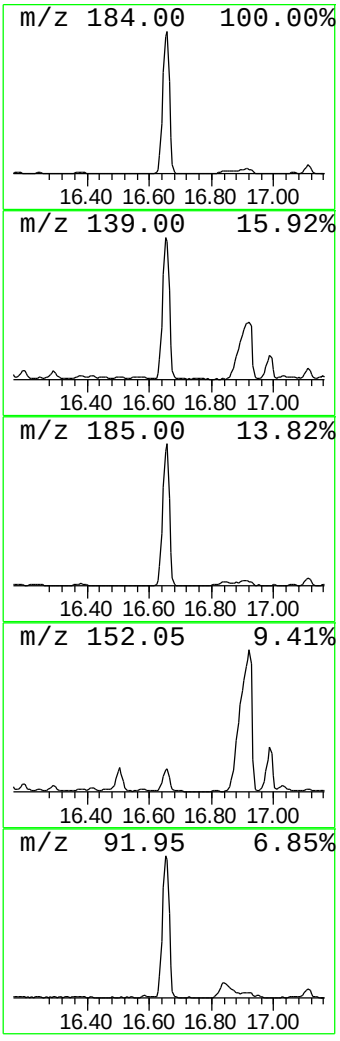
Peak Number 27 Dibenzothiophene Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	2.40 ng/ul	15536800	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	95
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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Peak Number 28 Phenanthrene, 4-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	3.84 ng/ul	24803400	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
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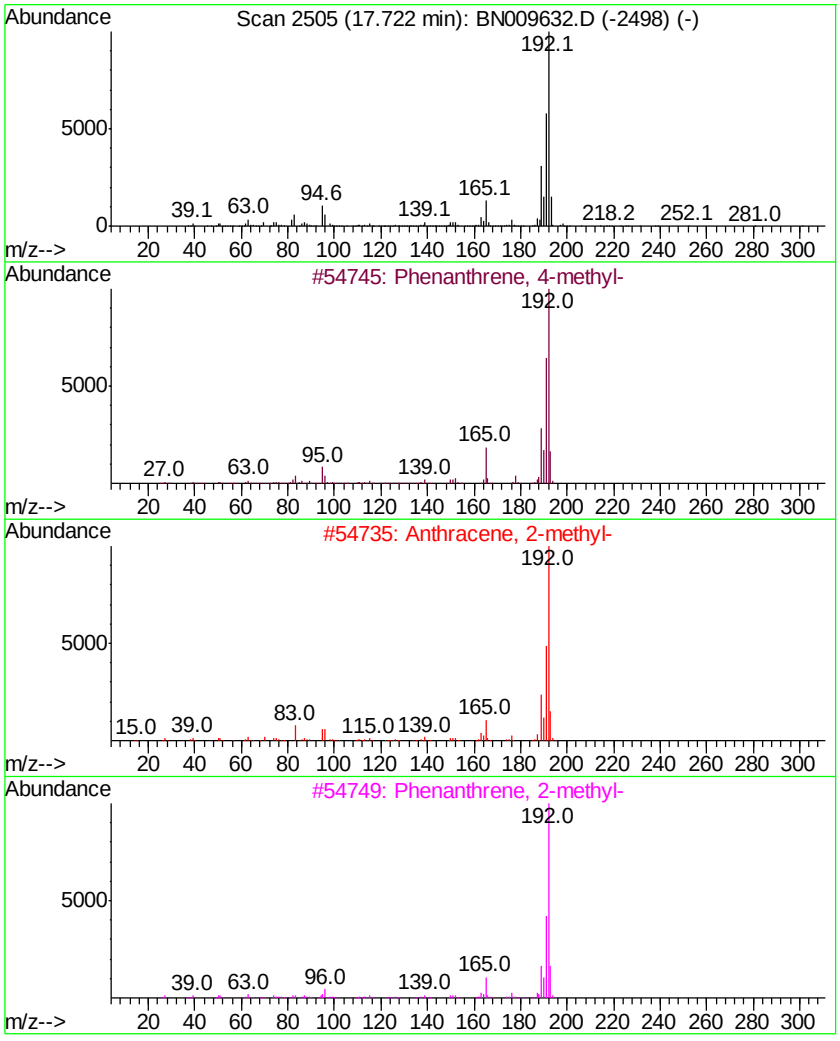

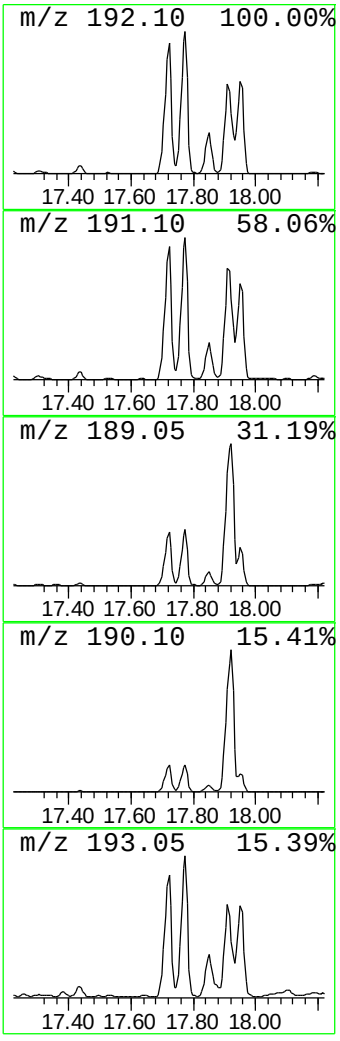

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Sample : L1324-04 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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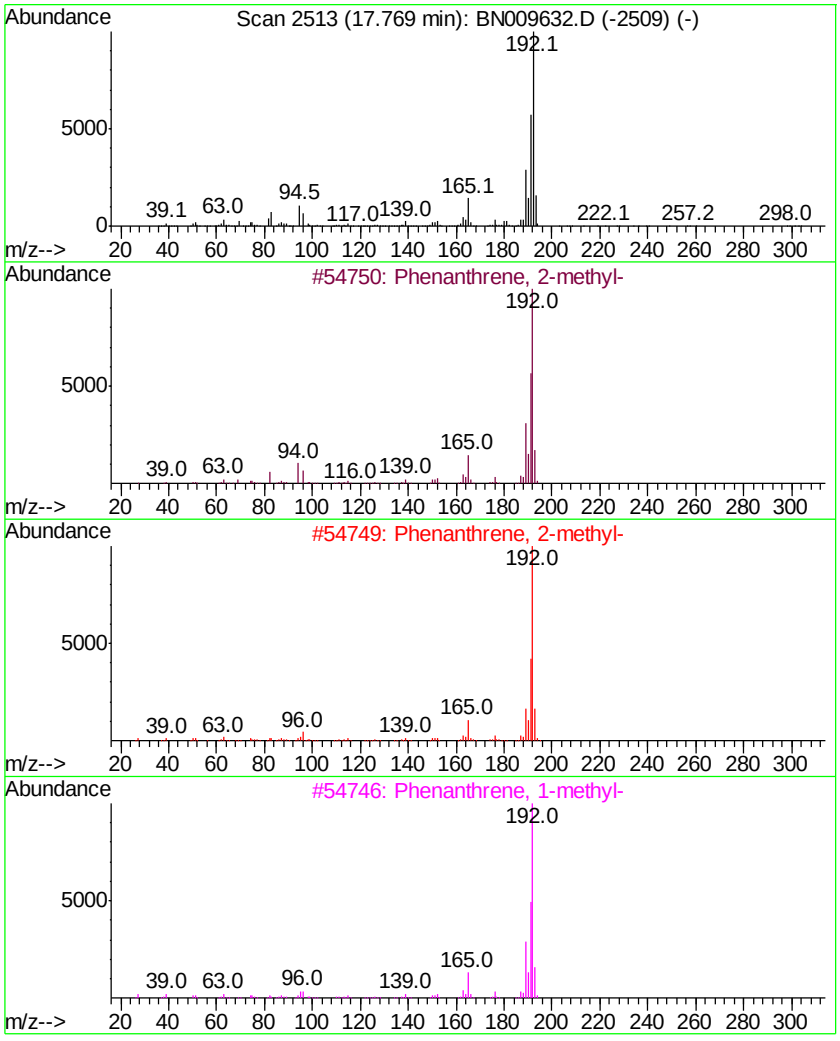
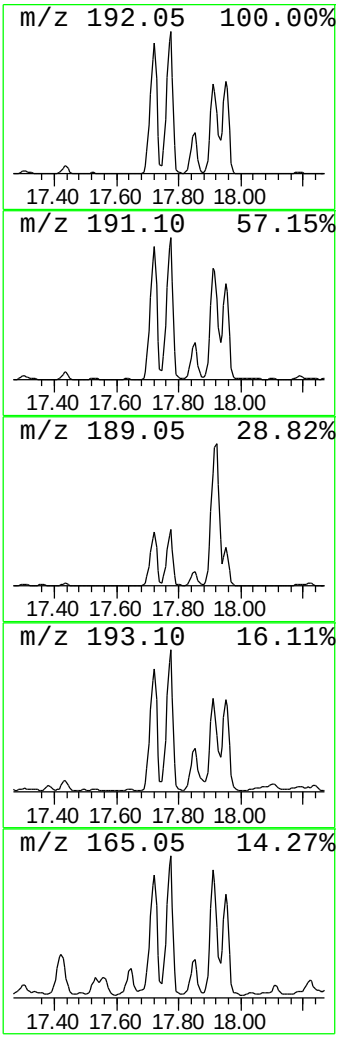
Peak Number 29 Phenanthrene, 2-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	3.87 ng/ul	25036900	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





Library Search Compound Report

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Sample : L1324-04 10X
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ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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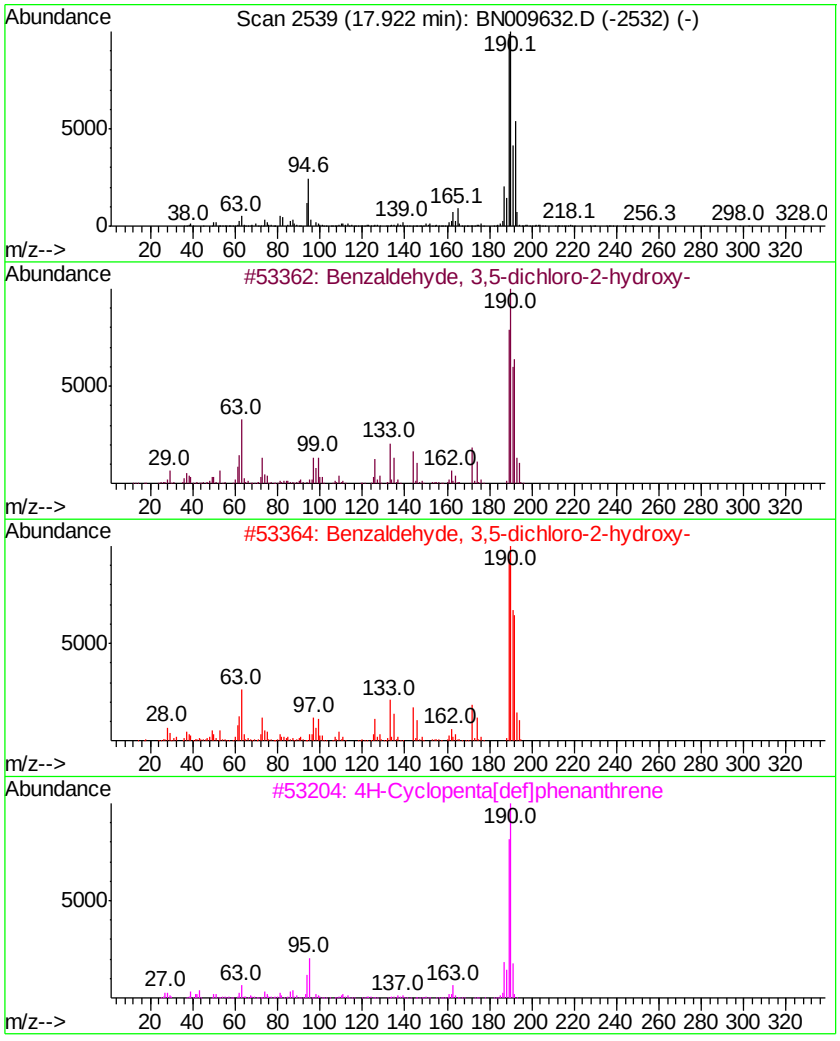
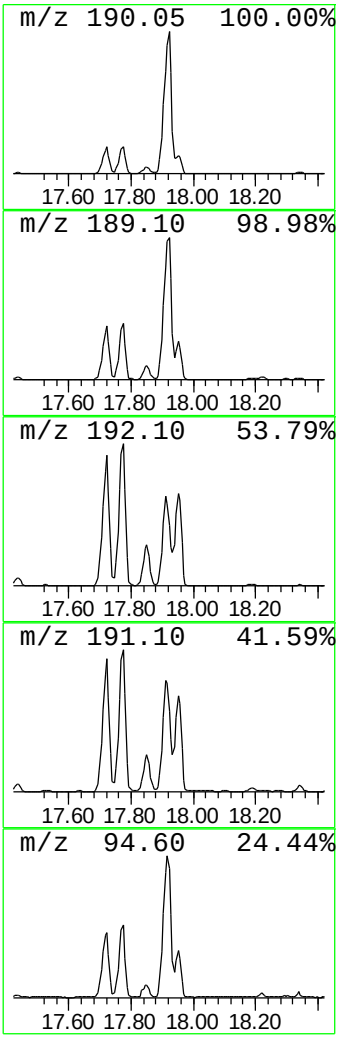
Peak Number 30 Benzaldehyde, 3,5-dichloro-... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	6.05 ng/ul	39108200	Phenanthrene-d10	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





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ClientSampleId : GAT61

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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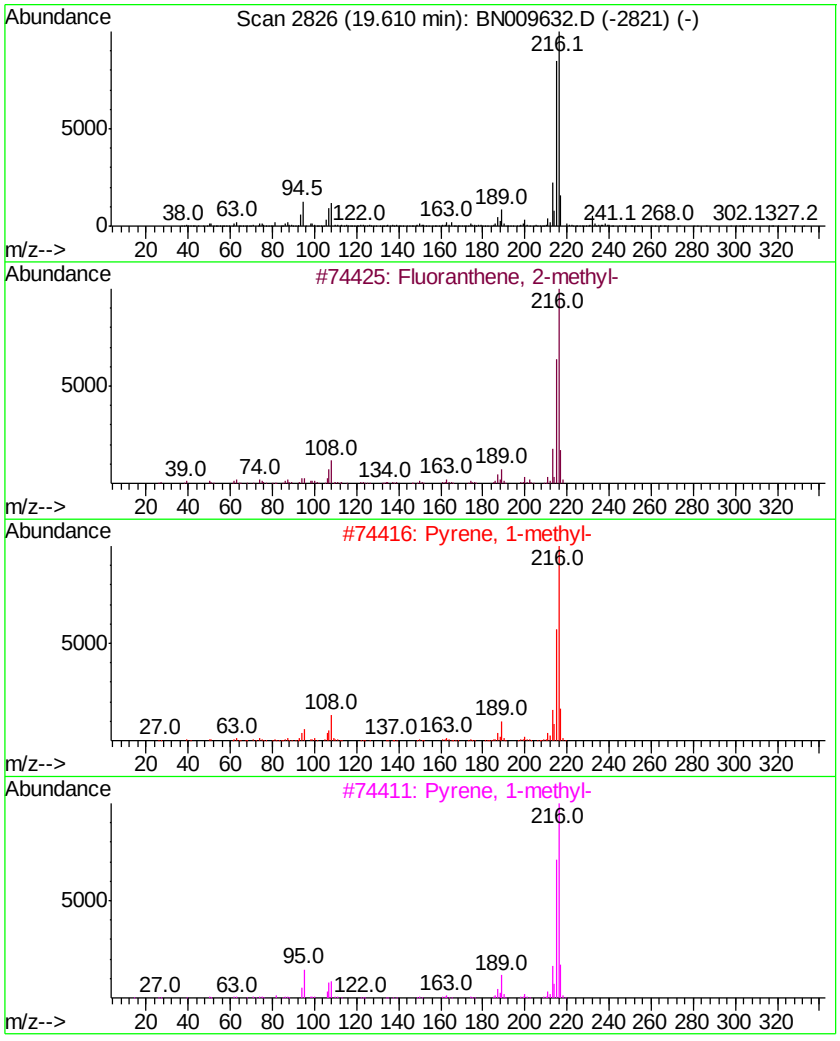
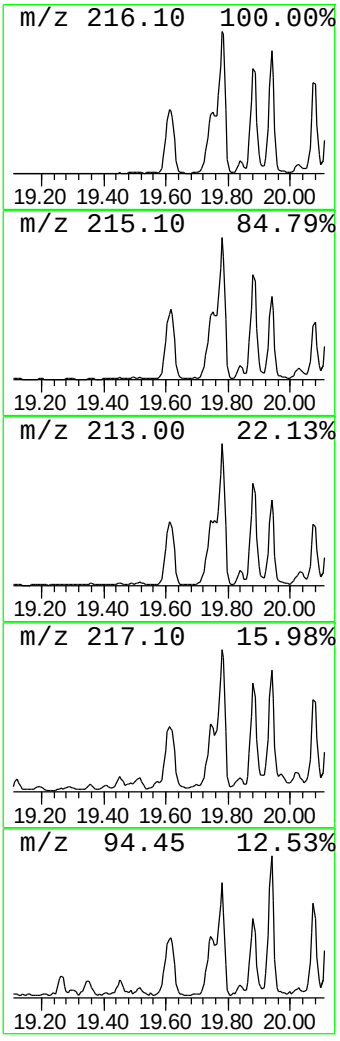
Peak Number 33 Fluoranthene, 2-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.61	4.61 ng/ul	9436840	Chrysene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Misc :
ALS Vial : 27 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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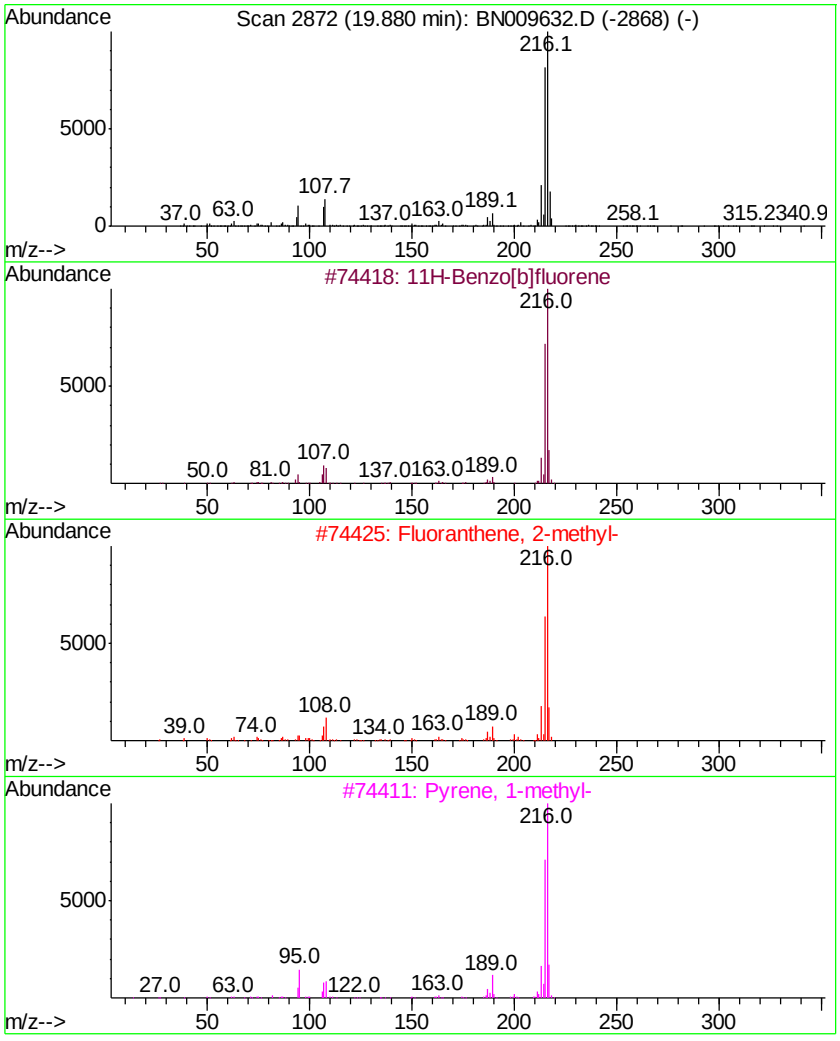
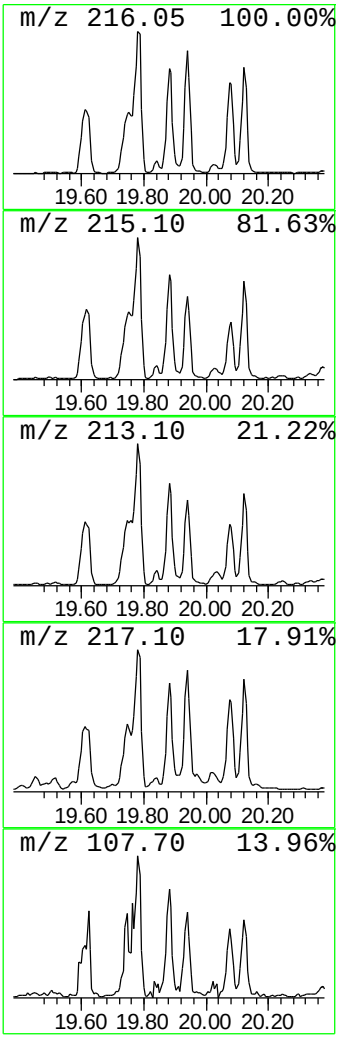
Peak Number 36 11H-Benzo[b]fluorene Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	3.75 ng/ul	7683730	Chrysene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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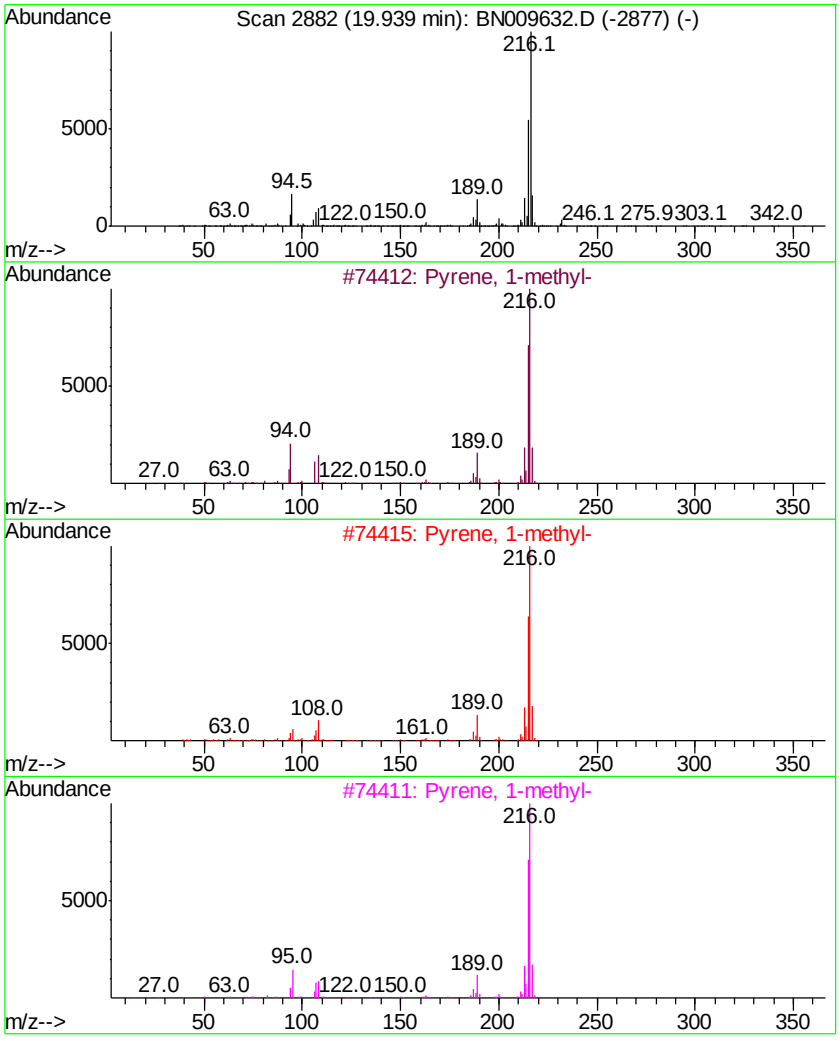
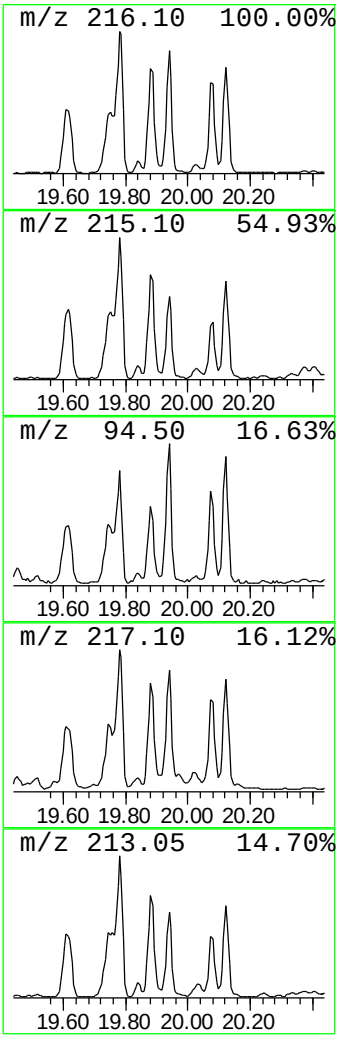
Peak Number 37 Pyrene, 1-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	3.94 ng/ul	8074720	Chrysene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94





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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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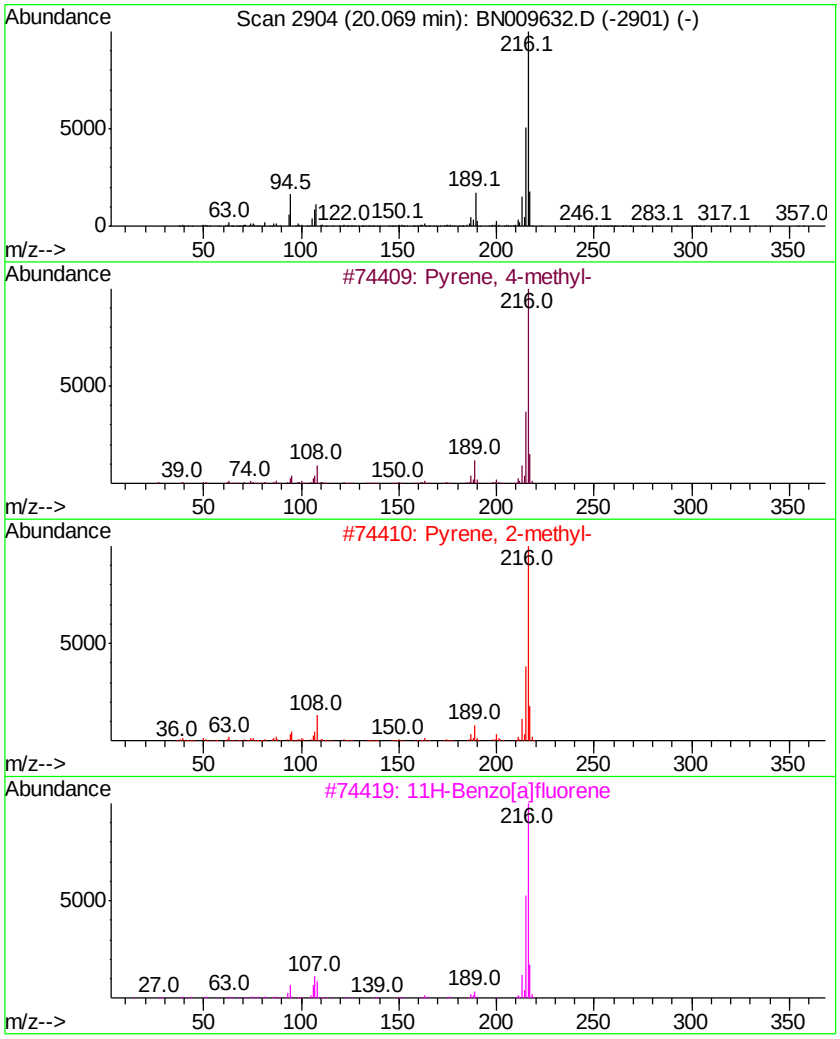
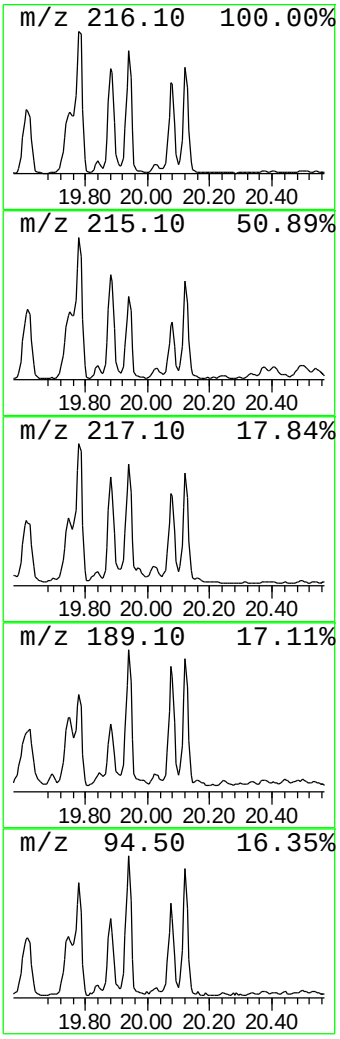
Peak Number 38 Pyrene, 4-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	3.09 ng/ul	6336990	Chrysene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





Tentatively Identified Compound (LSC) summary

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Data File : BN009632.D
Acq On : 07 Feb 2020 05:23
Operator : CG/JU
Sample : L1324-04 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-etheny...	7.10	120.8	ng/ul	16737300	1	7.43	2770930	20.0
Benzene, 1-etheny...	7.18	24.8	ng/ul	3441580	1	7.43	2770930	20.0
Benzene, 1,2,4-tr...	7.55	20.0	ng/ul	2770930	1	7.43	2770930	20.0
1-Propyne, 3-phenyl-	7.96	194.3	ng/ul	26912700	1	7.43	2770930	20.0
Benzene, 1-etheny...	8.69	18.9	ng/ul	2617460	1	7.43	2770930	20.0
1H-Indene, 1-methyl-	9.63	67.1	ng/ul	8629670	2	10.21	2571060	20.0
Benzene, (1-methy...	9.70	60.0	ng/ul	7713860	2	10.21	2571060	20.0
Azulene	10.30	1353.0	ng/ul	173929000	2	10.21	2571060	20.0
1H-Inden-1-one, 2...	11.59	28.6	ng/ul	3678450	2	10.21	2571060	20.0
Naphthalene, 1-me...	12.12	487.2	ng/ul	62626400	2	10.21	2571060	20.0
Naphthalene, 2,6-...	13.24	24.6	ng/ul	13119700	3	14.07	10668800	20.0
Naphthalene, 2,3-...	13.40	53.6	ng/ul	28575900	3	14.07	10668800	20.0
(DEL) Alkane: Str...	14.01	4.5	ng/ul	2394800	3	14.07	10668800	20.0
Naphthalene, 1,4,...	14.30	5.4	ng/ul	2877440	3	14.07	10668800	20.0
Naphthalene, 1,6,...	14.56	8.6	ng/ul	4569210	3	14.07	10668800	20.0
unknown-01	14.70	16.8	ng/ul	8968970	3	14.07	10668800	20.0
Naphthalene, 1,4,...	14.76	5.6	ng/ul	2995440	3	14.07	10668800	20.0
1H-Phenalene	14.96	17.5	ng/ul	9312610	3	14.07	10668800	20.0
Dibenzofuran, 4-m...	15.43	8.3	ng/ul	4420630	3	14.07	10668800	20.0
Dibenzothiophene	16.66	2.4	ng/ul	15536800	4	16.84	129245000	20.0
Phenanthrene, 4-m...	17.72	3.8	ng/ul	24803400	4	16.84	129245000	20.0
Phenanthrene, 2-m...	17.77	3.9	ng/ul	25036900	4	16.84	129245000	20.0
Benzaldehyde, 3,5...	17.92	6.0	ng/ul	39108200	4	16.84	129245000	20.0
Fluoranthene, 2-m...	19.61	4.6	ng/ul	9436840	5	21.06	40966600	20.0
11H-Benzo[b]fluorene	19.88	3.8	ng/ul	7683730	5	21.06	40966600	20.0
Pyrene, 1-methyl-	19.94	3.9	ng/ul	8074720	5	21.06	40966600	20.0
Pyrene, 4-methyl-	20.07	3.1	ng/ul	6336990	5	21.06	40966600	20.0