LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009702.D
Acq On : 11 Feb 2020 11:51
Operator : CG/JU
Sample : L1324-04MEDL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL

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	5.128	359	364	373	rBV	106755	199779	2.68%	0.297%
2	5.463	414	421	433	rBV3	147636	329978	4.42%	0.490%
3	7.081	689	696	705	rVV3	238564	454801	6.10%	0.676%
4	7.169	705	711	723	rVB2	58162	91623	1.23%	0.136%
5	7.422	747	754	765	rBV	539242	847222	11.36%	1.259%
6	7.946	836	843	852	rVB	438125	729594	9.78%	1.084%
7	8.681	964	968	977	rVB2	41725	76461	1.03%	0.114%
8	9.610	1118	1126	1133	rBV5	83852	219795	2.95%	0.327%
9	9.681	1133	1138	1153	rVB2	84386	222893	2.99%	0.331%
10	10.169	1214	1221	1225	rBV	777783	1318390	17.67%	1.959%
11	10.222	1225	1230	1243	rVV	4721982	7459347	100.00%	11.082%
12	10.340	1243	1250	1258	rVV2	70729	148231	1.99%	0.220%
13	11.581	1455	1461	1466	rVV4	49680	102681	1.38%	0.153%
14	11.628	1466	1469	1474	rVV	51407	76900	1.03%	0.114%
15	11.845	1495	1506	1517	rBV	2049405	3283070	44.01%	4.877%
16	12.063	1533	1543	1551	rBV	1313568	2126016	28.50%	3.159%
17	12.886	1676	1683	1694	rBV	440734	727796	9.76%	1.081%
18	13.081	1710	1716	1728	rVB2	85285	215202	2.88%	0.320%
19	13.216	1732	1739	1741	rBV2	289621	428600	5.75%	0.637%
20	13.381	1759	1767	1772	rBV	528928	925438	12.41%	1.375%
21	13.434	1772	1776	1781	rVV	326580	480015	6.44%	0.713%
22	13.510	1782	1789	1797	rVV2	268389	547319	7.34%	0.813%
23	13.616	1802	1807	1811	rVV	256664	390835	5.24%	0.581%
24	13.645	1811	1812	1817	rVB	72290	78481	1.05%	0.117%
25	13.781	1824	1835	1849	rBV	1326562	2170575	29.10%	3.225%
26	13.998	1866	1872	1876	rBV	62409	87365	1.17%	0.130%
27	14.063	1876	1883	1889	rVV3	1136970	1847038	24.76%	2.744%
28	14.128	1889	1894	1897	rVV	147437	213971	2.87%	0.318%
29	14.163	1897	1900	1904	rVB	77284	101567	1.36%	0.151%
30	14.286	1915	1921	1928	rBV2	39156	97759	1.31%	0.145%
31	14.475	1942	1953	1961	rBV2	194775	389944	5.23%	0.579%
32	14.551	1961	1966	1971	rVB	113764	156591	2.10%	0.233%
33	14.686	1982	1989	1994	rBV4	126463	279866	3.75%	0.416%
34	14.751	1995	2000	2003	rVB	78485	104605	1.40%	0.155%

LSC Area Percent Report

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Operator : CG/JU
Sample : L1324-04MEDL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL

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	14.845	2010	2016	2017	rBV2	59409	73820	0.99%	0.110%
36	14.945	2028	2033	2040	rVB3	173066	298552	4.00%	0.444%
37	15.022	2040	2046	2049	rBV5	50965	93092	1.25%	0.138%
38	15.063	2049	2053	2058	rVB2	277644	374076	5.01%	0.556%
39	15.122	2058	2063	2070	rBV	999994	1467237	19.67%	2.180%
40	15.251	2076	2085	2088	rBV3	85056	186495	2.50%	0.277%
41	15.422	2109	2114	2118	rBV	104346	157582	2.11%	0.234%
42	15.575	2135	2140	2149	rVB3	63937	147471	1.98%	0.219%
43	15.816	2175	2181	2185	rBV3	76064	132599	1.78%	0.197%
44	16.133	2227	2235	2240	rVV2	177273	411562	5.52%	0.611%
45	16.180	2240	2243	2248	rVV	141297	183177	2.46%	0.272%
46	16.280	2255	2260	2266	rVB	106261	162809	2.18%	0.242%
47	16.480	2291	2294	2302	rVB	95408	140641	1.89%	0.209%
48	16.639	2313	2321	2326	rBV	316638	490557	6.58%	0.729%
49	16.822	2346	2352	2355	rBV	1365108	1937144	25.97%	2.878%
50	16.863	2355	2359	2365	rVV	4263304	5721860	76.71%	8.501%
51	16.916	2365	2368	2370	rVV	140863	187639	2.52%	0.279%
52	16.951	2370	2374	2381	rVV	737884	1040235	13.95%	1.545%
53	17.022	2381	2386	2391	rVV3	62282	114838	1.54%	0.171%
54	17.345	2436	2441	2445	rVV2	152552	228553	3.06%	0.340%
55	17.404	2445	2451	2460	rVV3	174230	328807	4.41%	0.488%
56	17.545	2466	2475	2482	rVB2	106516	234645	3.15%	0.349%
57	17.698	2495	2501	2505	rVV	633605	916209	12.28%	1.361%
58	17.745	2505	2509	2515	rVV	722599	957650	12.84%	1.423%
59	17.822	2518	2522	2527	rVV	174538	262728	3.52%	0.390%
60	17.886	2527	2533	2537	rVV2	831735	1413536	18.95%	2.100%
61	17.927	2537	2540	2550	rVB	416939	588344	7.89%	0.874%
62	18.204	2582	2587	2591	rBV	386251	483168	6.48%	0.718%
63	18.257	2591	2596	2605	rVB4	96324	200236	2.68%	0.297%
64	18.457	2626	2630	2635	rVB3	64051	81964	1.10%	0.122%
65	18.510	2635	2639	2642	rBV	81107	101907	1.37%	0.151%
66	18.545	2642	2645	2650	rVB2	73350	95877	1.29%	0.142%
67	18.627	2650	2659	2663	rBV2	292461	487784	6.54%	0.725%
68	18.686	2664	2669	2673	rVV5	168267	335374	4.50%	0.498%
69	18.721	2673	2675	2679	rVB2	126983	136824	1.83%	0.203%
70	18.774	2679	2684	2691	rBV5	103154	242073	3.25%	0.360%
71	18.892	2697	2704	2711	rBV	1843641	2387271	32.00%	3.547%

LSC Area Percent Report

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Operator : CG/JU
Sample : L1324-04MEDL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL

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

72	18.968	2713	2717	2719	rBV2	54882	72284	0.97%	0.107%
73	19.045	2725	2730	2735	rVB	463604	588487	7.89%	0.874%
74	19.163	2748	2750	2756	rVB	54909	74396	1.00%	0.111%
75	19.257	2756	2766	2776	rBV	2345442	3383181	45.35%	5.026%
76	19.345	2776	2781	2786	rVB4	65517	109260	1.46%	0.162%
77	19.592	2817	2823	2835	rBV2	172996	400420	5.37%	0.595%
78	19.727	2841	2846	2849	rBV2	166508	302071	4.05%	0.449%
79	19.763	2849	2852	2857	rVB2	370765	456316	6.12%	0.678%
80	19.863	2865	2869	2874	rVB2	226958	275369	3.69%	0.409%
81	19.921	2874	2879	2883	rBV	253512	302826	4.06%	0.450%
82	20.063	2899	2903	2906	rVV	168957	223208	2.99%	0.332%
83	20.104	2906	2910	2915	rVB	205863	274350	3.68%	0.408%
84	20.521	2977	2981	2987	rVB	86922	141701	1.90%	0.211%
85	20.680	3004	3008	3011	rVB	146315	165389	2.22%	0.246%
86	20.715	3011	3014	3018	rVB	181947	196250	2.63%	0.292%
87	20.757	3018	3021	3024	rBV	104087	142529	1.91%	0.212%
88	20.821	3029	3032	3038	rVB	101410	142193	1.91%	0.211%
89	21.033	3061	3068	3072	rBV2	2076466	3597330	48.23%	5.344%
90	21.074	3072	3075	3082	rVB	785542	990398	13.28%	1.471%
91	21.245	3102	3104	3117	rVB4	117804	218552	2.93%	0.325%
92	21.580	3158	3161	3165	rVV	203574	261018	3.50%	0.388%
93	21.627	3166	3169	3175	rVB2	108284	179870	2.41%	0.267%
94	21.762	3189	3192	3194	rBV2	100729	110163	1.48%	0.164%
95	22.545	3318	3325	3335	rBV2	419135	1212737	16.26%	1.802%
96	22.692	3346	3350	3356	rVB	137539	226849	3.04%	0.337%
97	22.974	3393	3398	3402	rBV	253378	405704	5.44%	0.603%
98	23.062	3408	3413	3421	rVB2	477655	896250	12.02%	1.332%
99	23.151	3421	3428	3434	rBV	1142680	2029326	27.21%	3.015%
100	23.662	3511	3515	3522	rVB4	118830	198149	2.66%	0.294%

Sum of corrected areas: 67310660

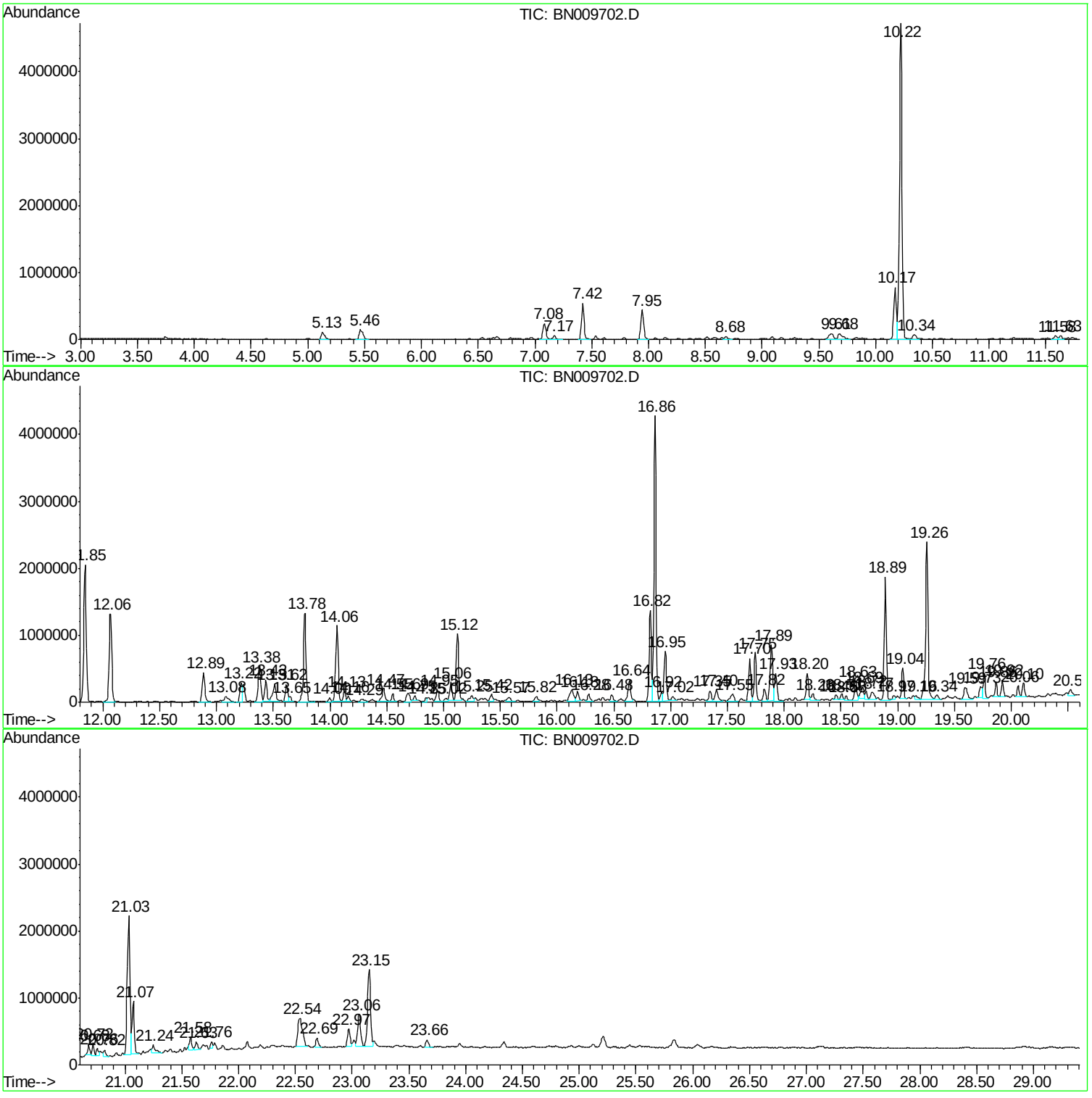
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009702.D
Acq On : 11 Feb 2020 11:51
Operator : CG/JU
Sample : L1324-04MEDL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL

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\BN021120\
Data File : BN009702.D
Acq On : 11 Feb 2020 11:51
Operator : CG/JU
Sample : L1324-04MEDL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL

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

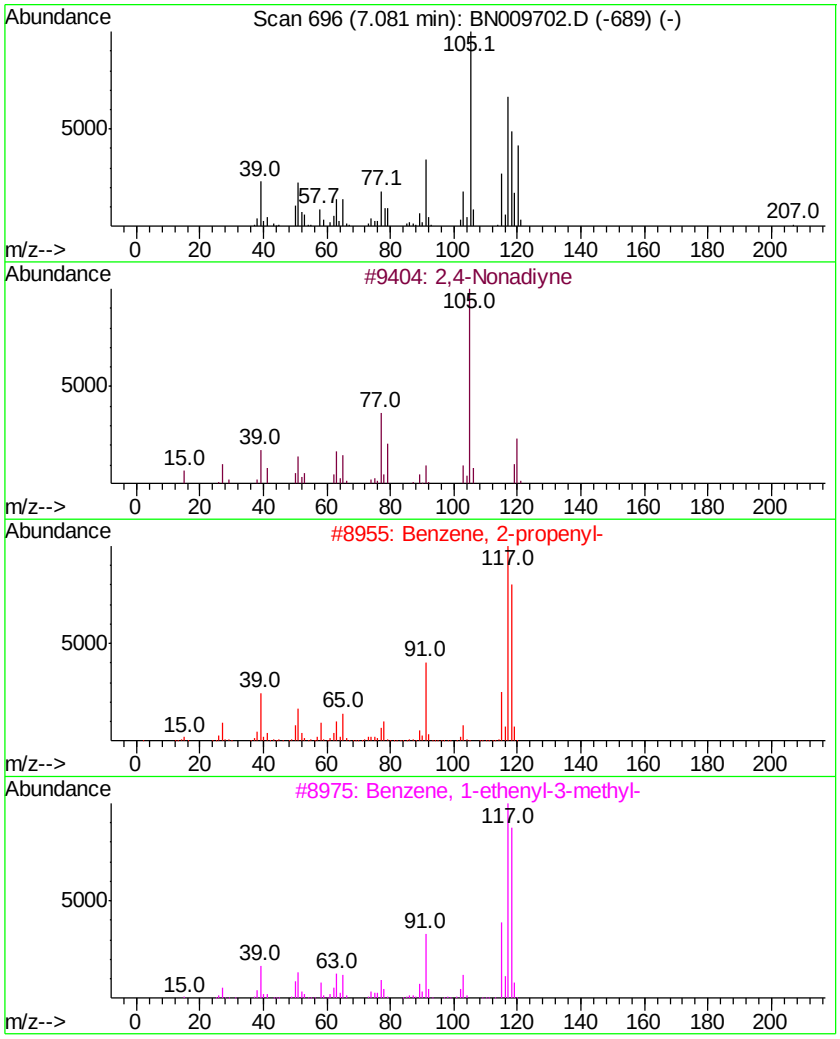
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

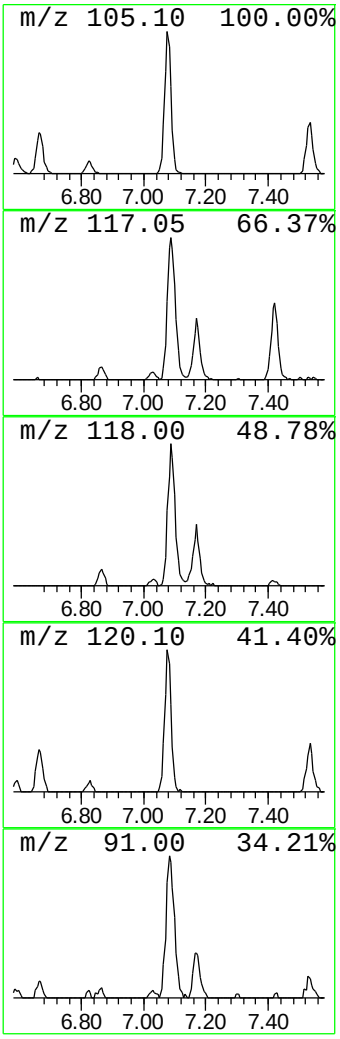
****

Peak Number 3 2,4-Nonadiyne Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	10.74 ng/ul	454801	1,4-Dichlorobenzene-d4	7.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Nonadiyne	120	C9H12	063621-15-8	83
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	50
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	50
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	50
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009702.D
Acq On : 11 Feb 2020 11:51
Operator : CG/JU
Sample : L1324-04MEDL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL

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

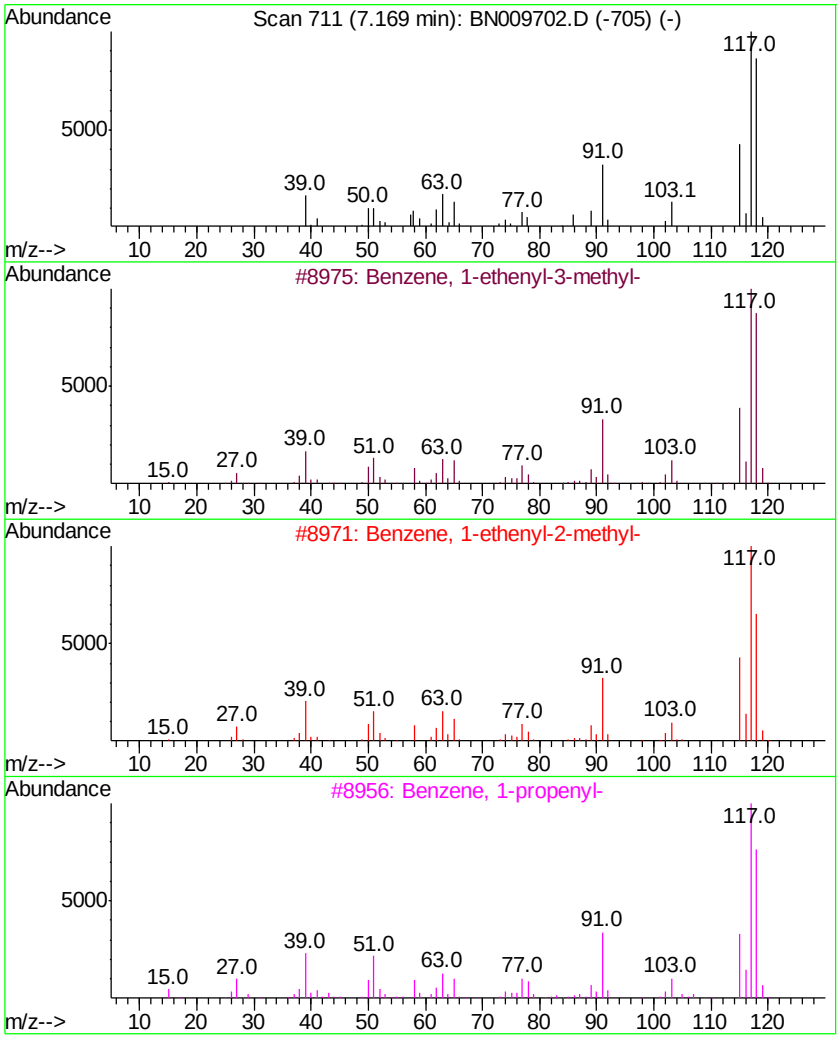
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

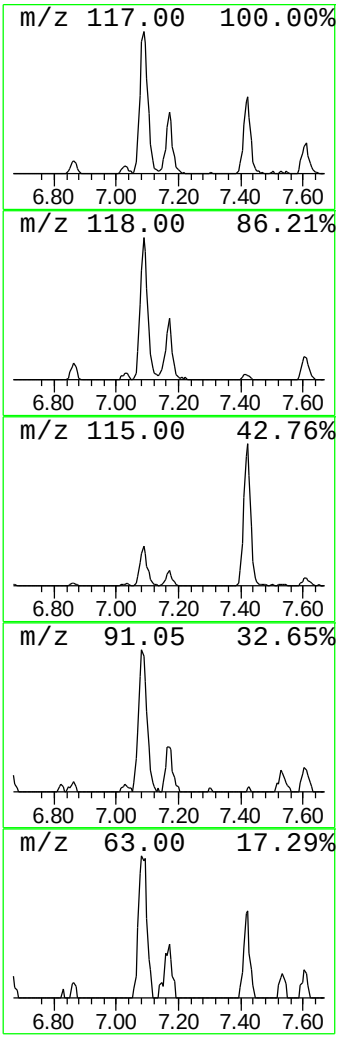
****

Peak Number 4 Benzene, 1-ethenyl-3-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	2.16 ng/ul	91623	1,4-Dichlorobenzene-d4	7.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	95
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	81
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	81
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL

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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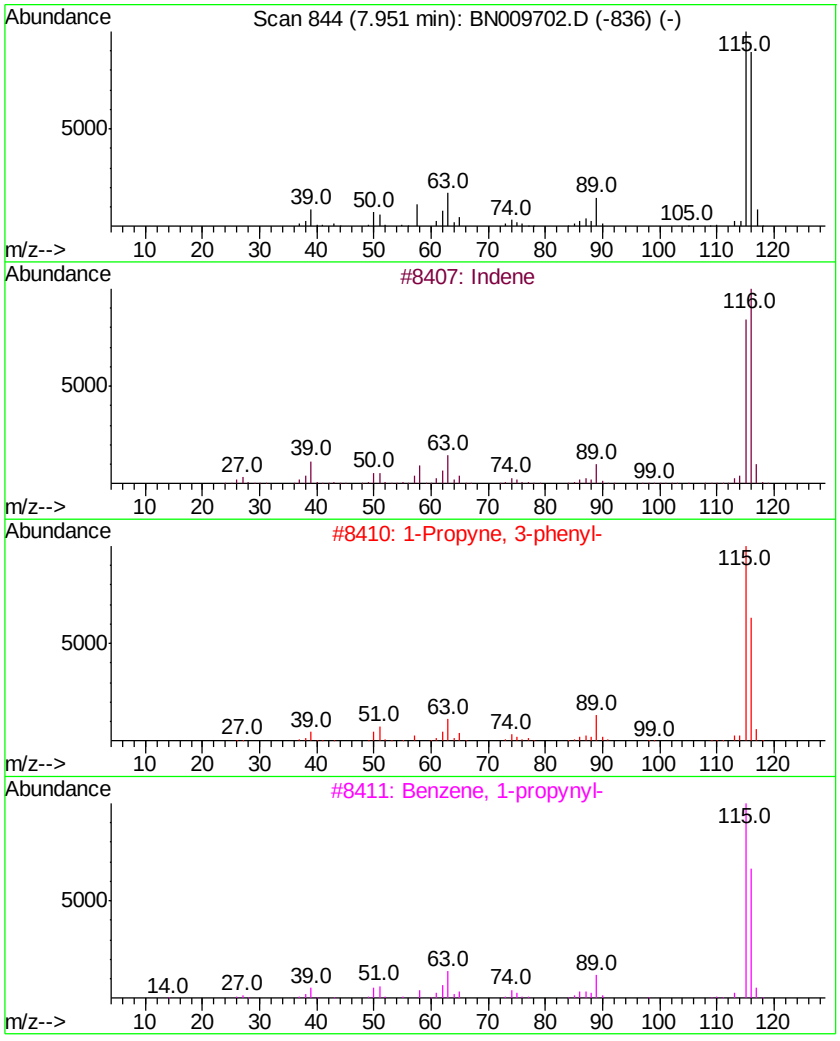
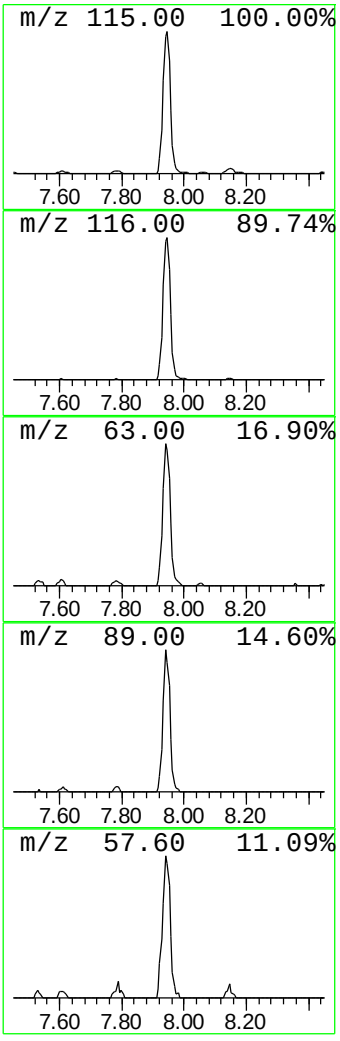
Peak Number 5 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	17.22 ng/ul	729594	1,4-Dichlorobenzene-d4	7.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	93
4	Indene	116	C9H8	000095-13-6	91
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





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Sample : L1324-04MEDL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL

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

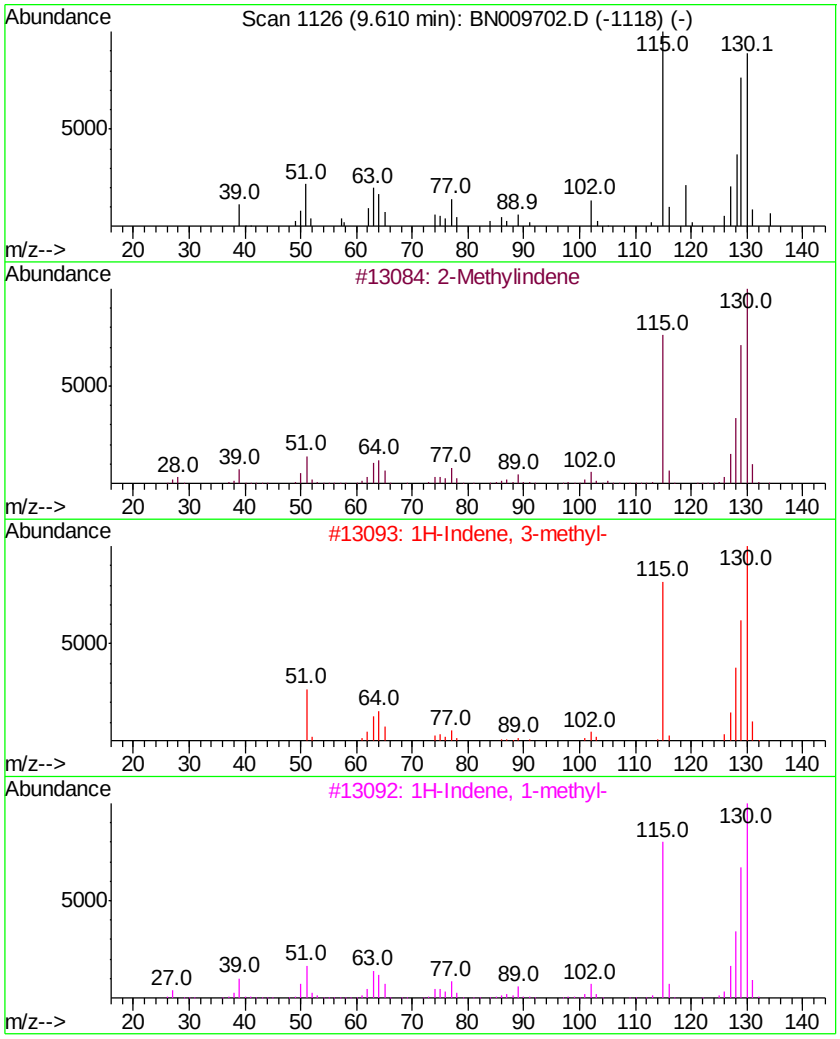
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

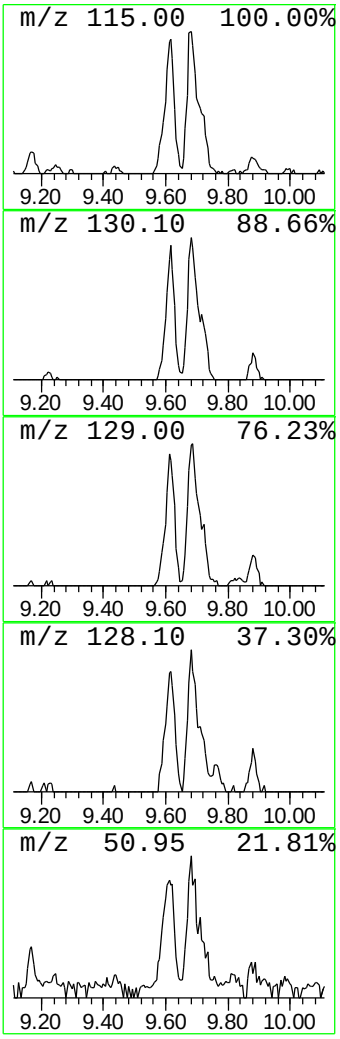
****

Peak Number 6 2-Methylindene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	3.33 ng/ul	219795	Naphthalene-d8	10.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	93
2	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	93
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93
4	Cyclopropa[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	92
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021120\
Data File : BN009702.D
Acq On : 11 Feb 2020 11:51
Operator : CG/JU
Sample : L1324-04MEDL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL

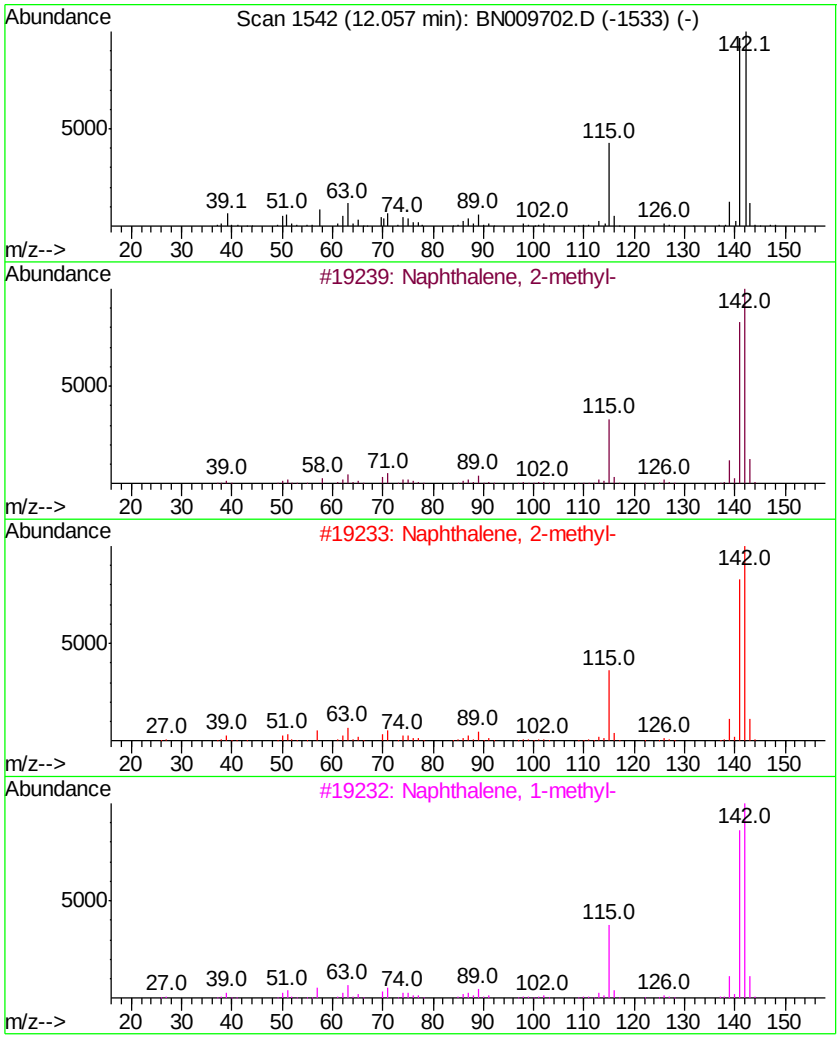
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

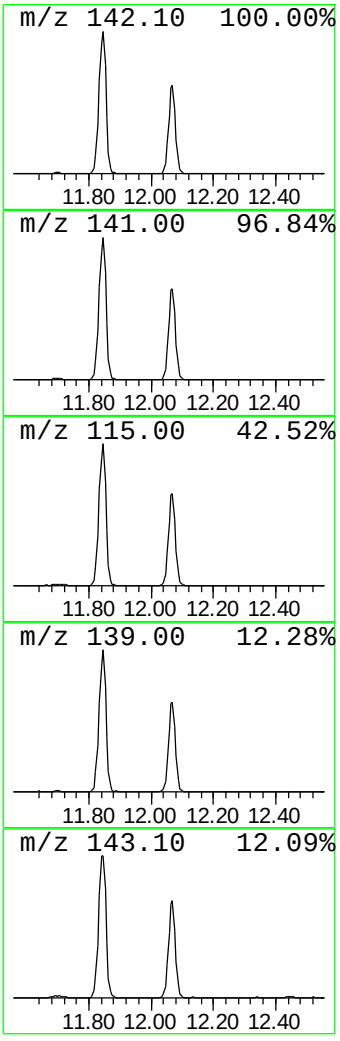
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	32.25 ng/ul	2126020	Naphthalene-d8	10.17

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





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Sample : L1324-04MEDL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL

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Quant Title : SVOA CALIBRATION

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

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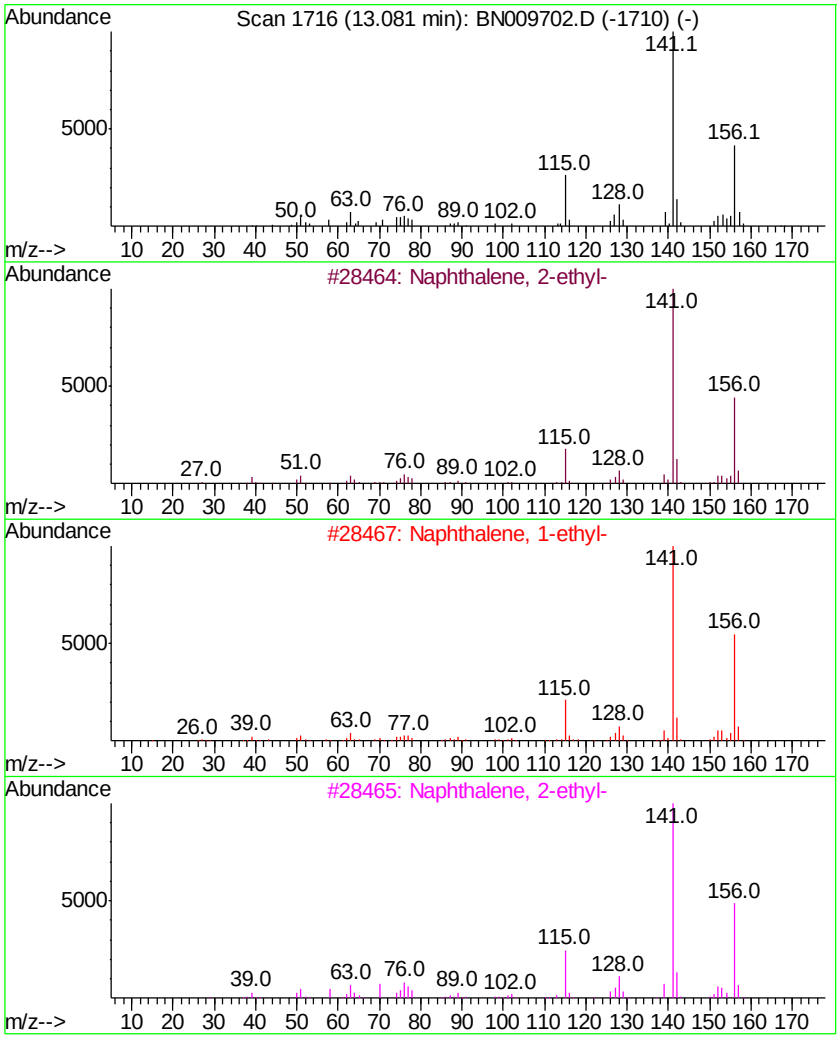
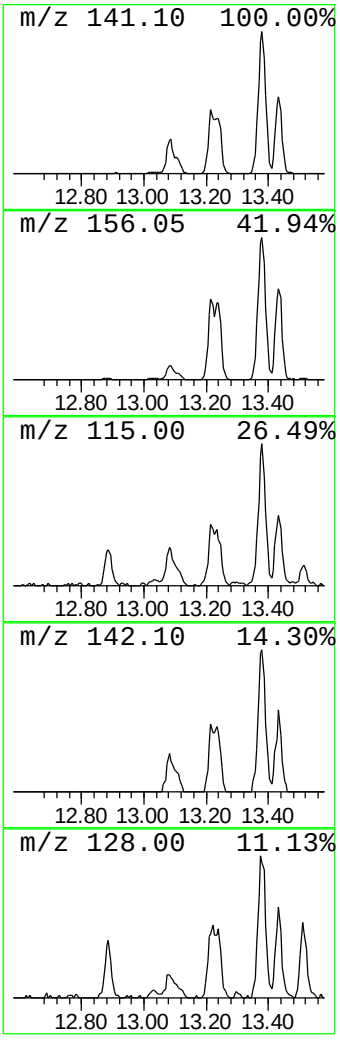
Peak Number 9 Naphthalene, 2-ethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	2.33 ng/ul	215202	Acenaphthene-d10	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91





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ClientSampleId : GAT61MEDL

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Quant Title : SVOA CALIBRATION

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

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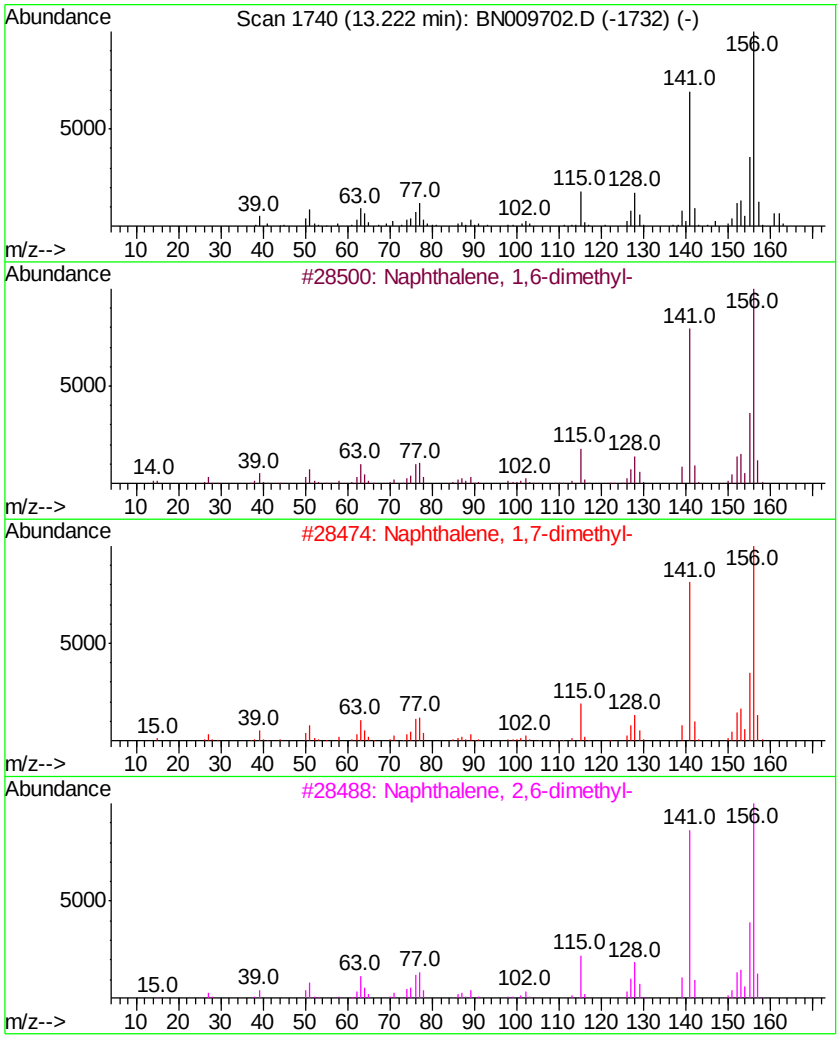
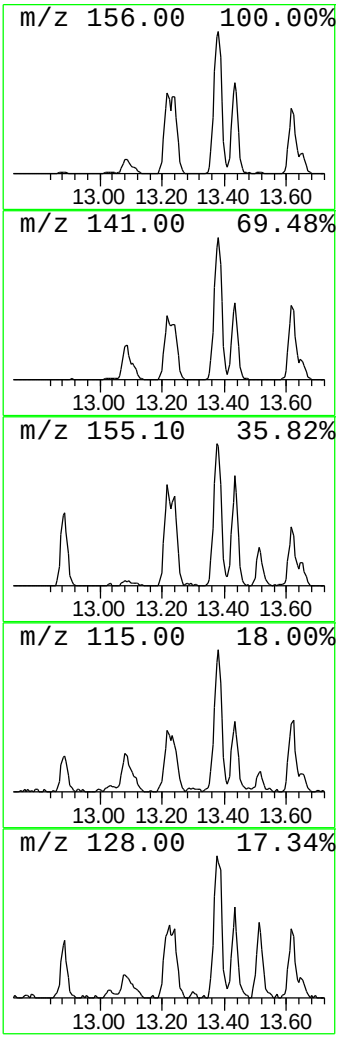
Peak Number 10 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	4.64 ng/ul	428600	Acenaphthene-d10	14.06

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





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL

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Quant Title : SVOA CALIBRATION

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

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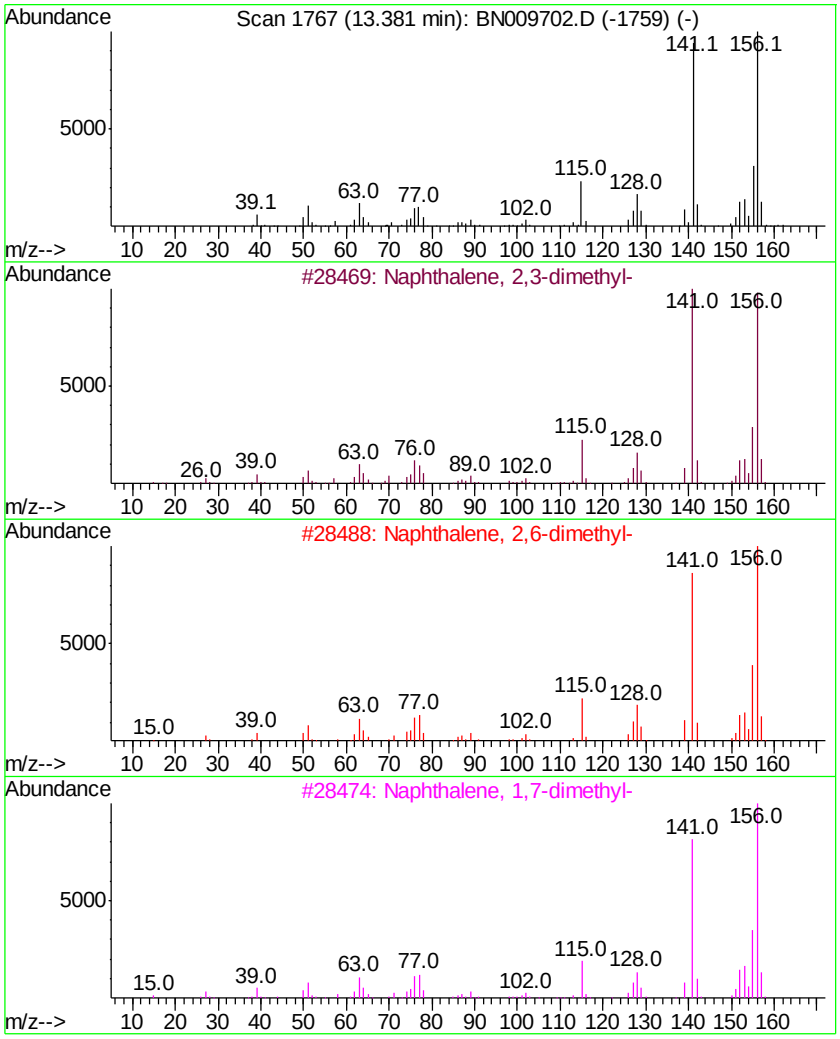
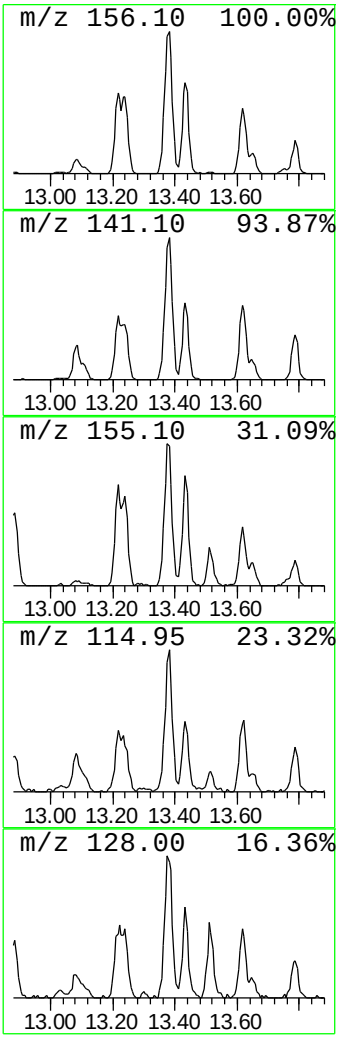
Peak Number 11 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	10.02 ng/ul	925438	Acenaphthene-d10	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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ClientSampleId : GAT61MEDL

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Quant Title : SVOA CALIBRATION

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

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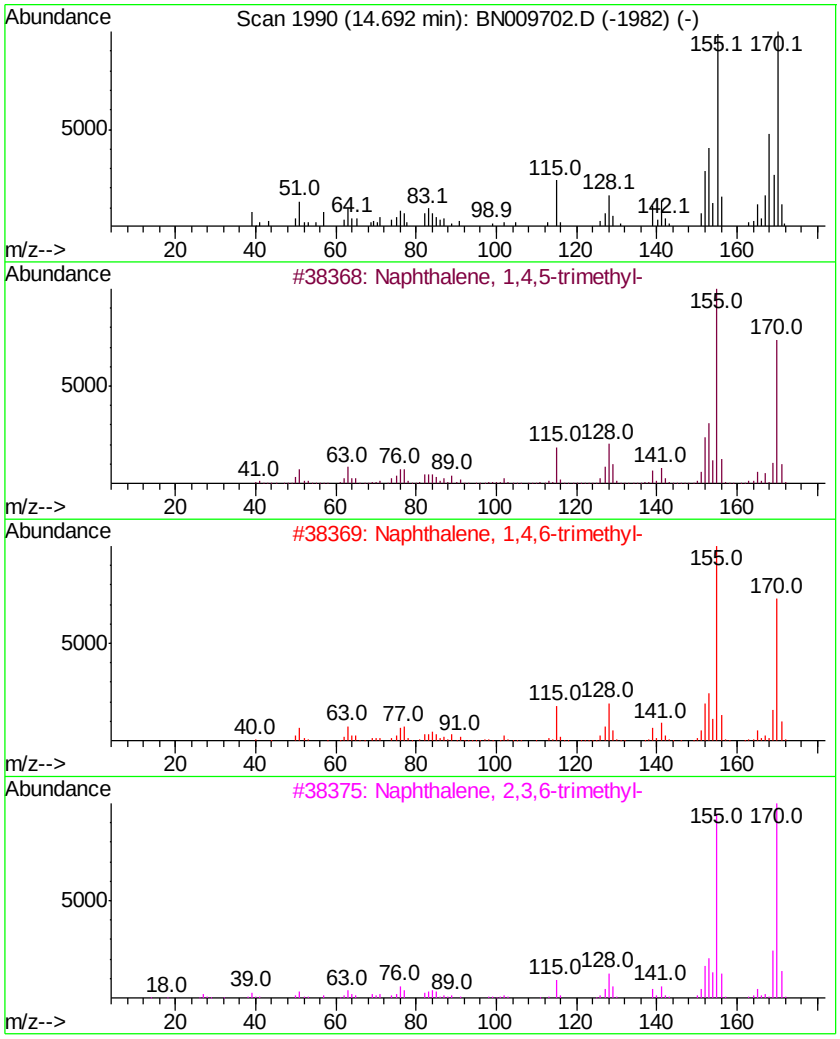
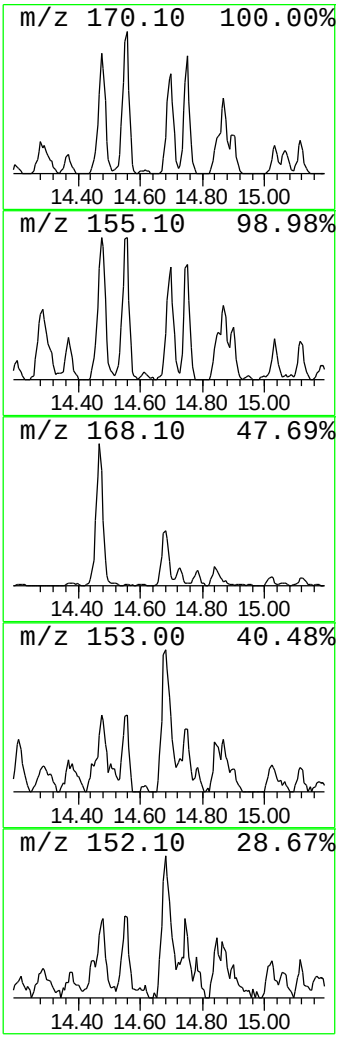
Peak Number 14 Naphthalene, 1,4,5-trimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	3.03 ng/ul	279866	Acenaphthene-d10	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	50
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	50
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	50
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	46
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	45





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Quant Title : SVOA CALIBRATION

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

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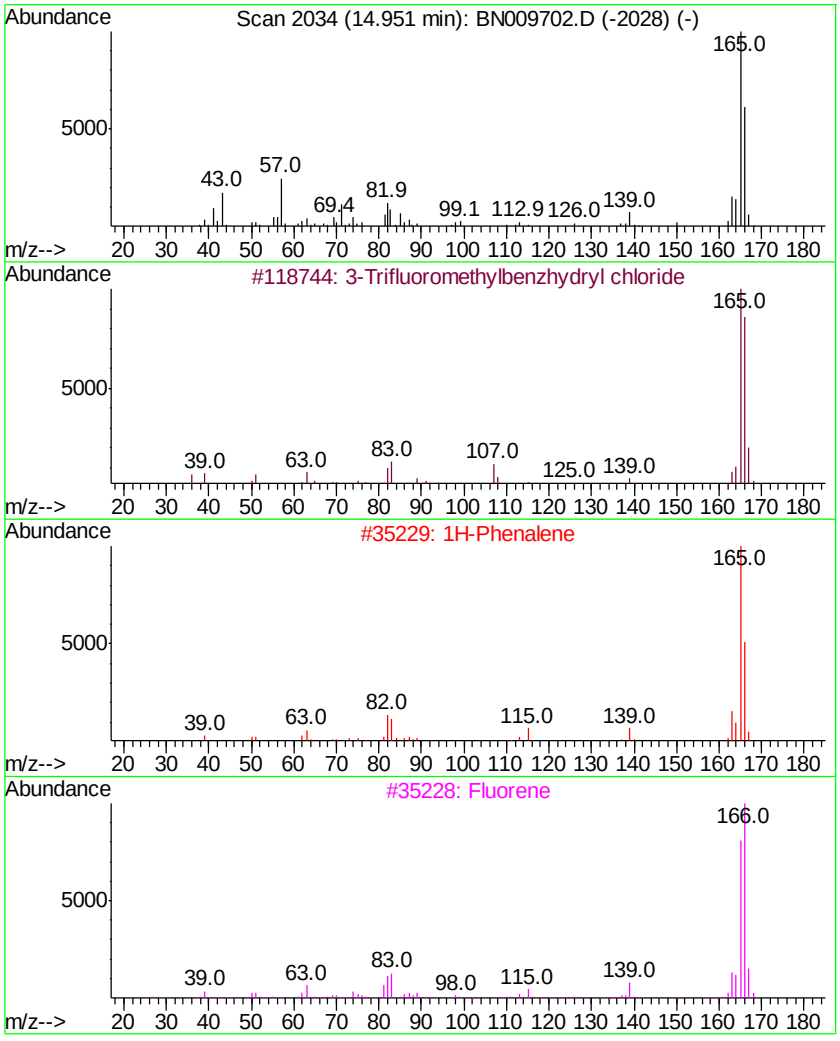
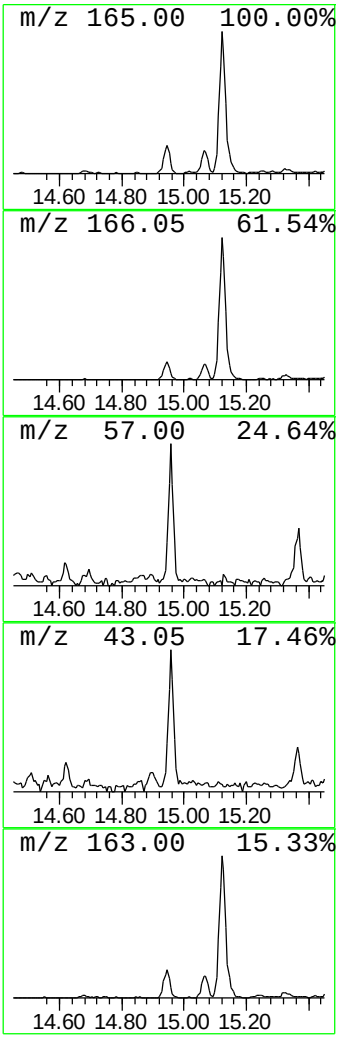
Peak Number 15 3-Trifluoromethylbenzhydryl... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	3.23 ng/ul	298552	Acenaphthene-d10	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	78
2	1H-Phenalene	166	C13H10	000203-80-5	72
3	Fluorene	166	C13H10	000086-73-7	58
4	Fluorene	166	C13H10	000086-73-7	38
5	Fluorene, 9-benzenesulfonyl-	306	C19H14O2S	022010-78-2	14





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Sample : L1324-04MEDL 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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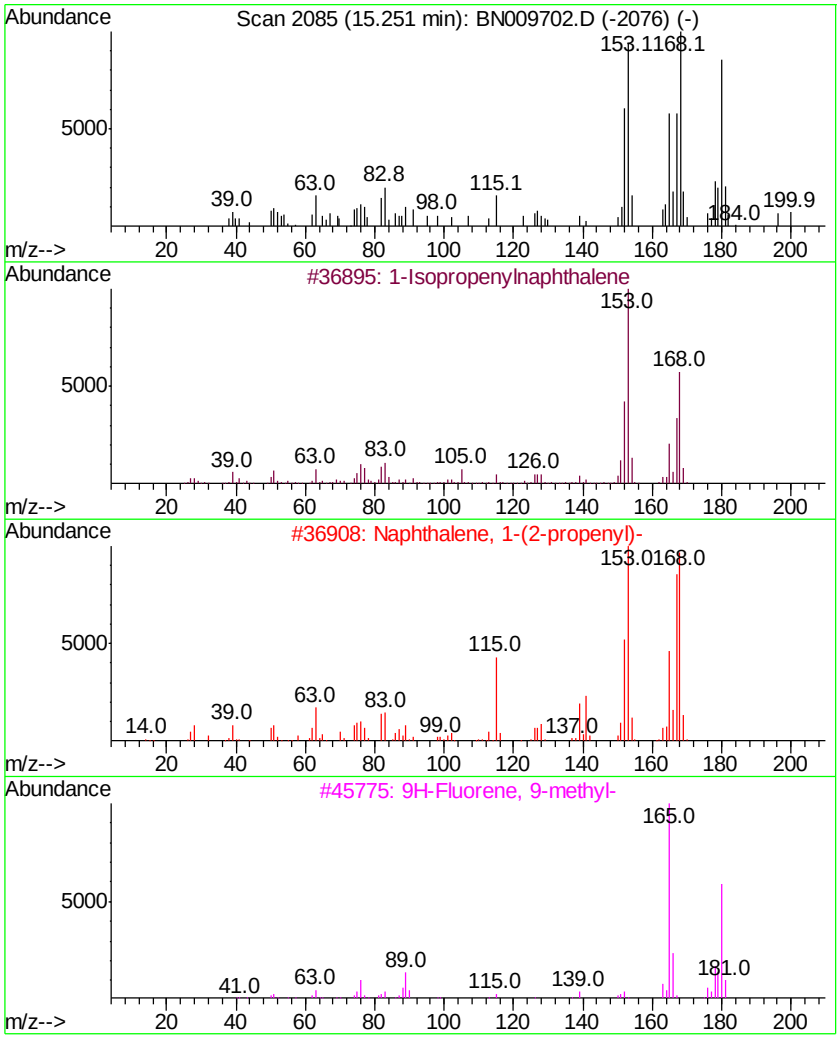
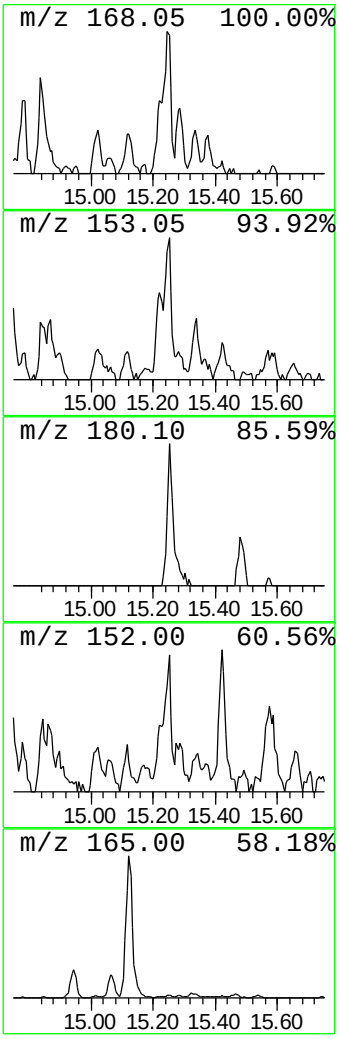
Peak Number 16 1-Isopropenylnaphthalene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	2.02 ng/ul	186495	Acenaphthene-d10	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	50
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	41
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	30
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	25
5	1,3,5,7-Cyclooctatetraene, 1-phe...	180	C14H12	004603-00-3	25





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Quant Title : SVOA CALIBRATION

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

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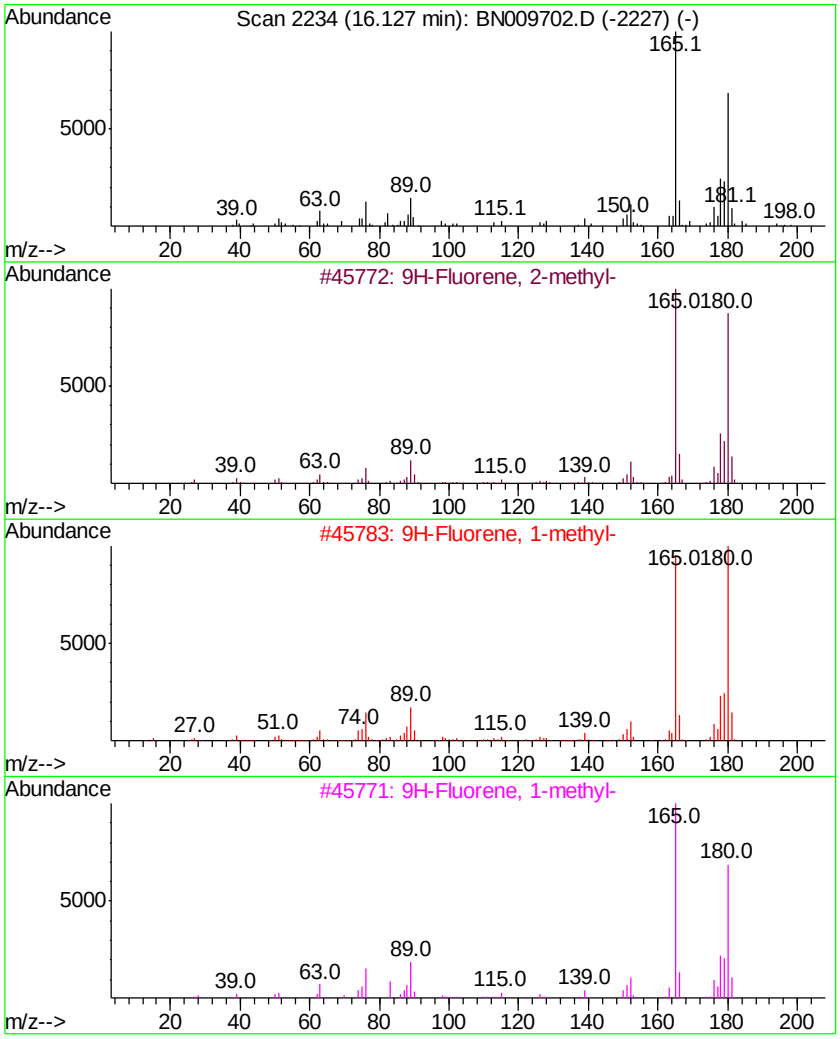
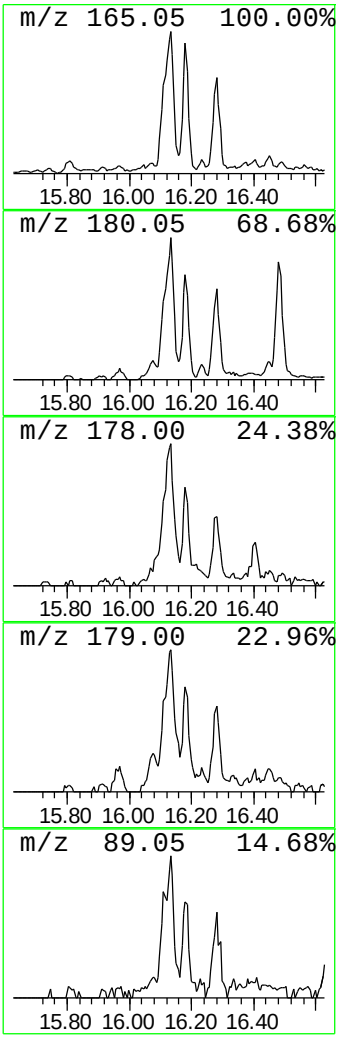
Peak Number 17 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	4.25 ng/ul	411562	Phenanthrene-d10	16.82

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	97
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95





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

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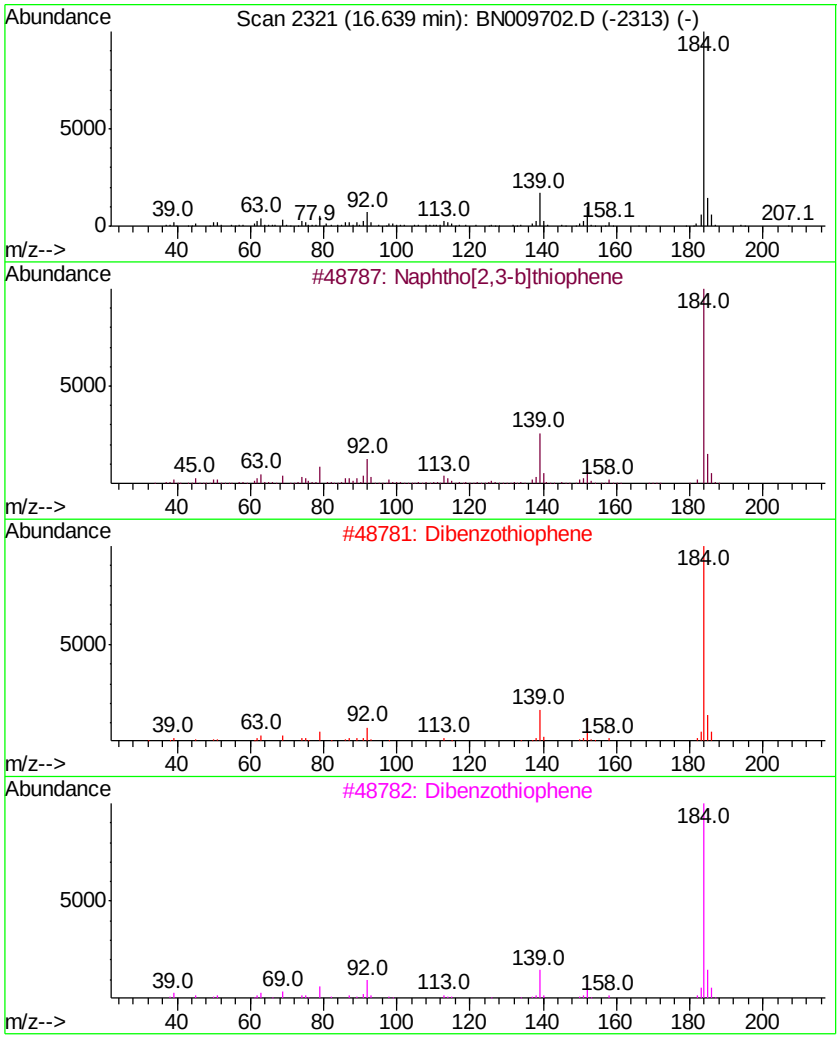
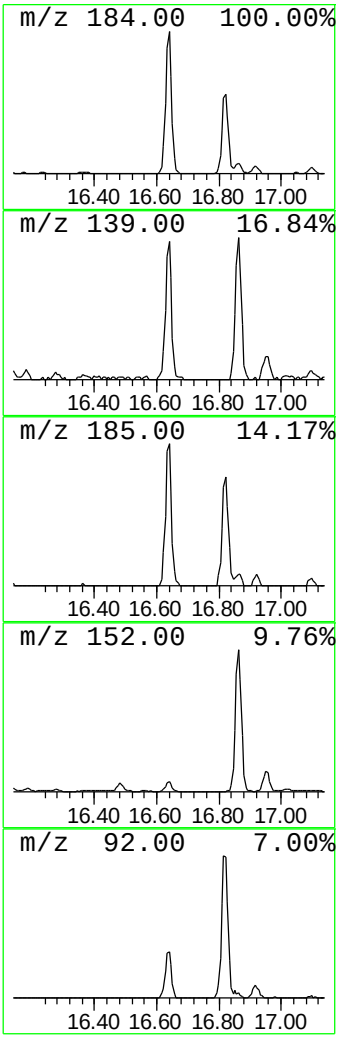
Peak Number 18 Naphtho[2,3-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	5.06 ng/ul	490557	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	97
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	95





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Quant Title : SVOA CALIBRATION

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

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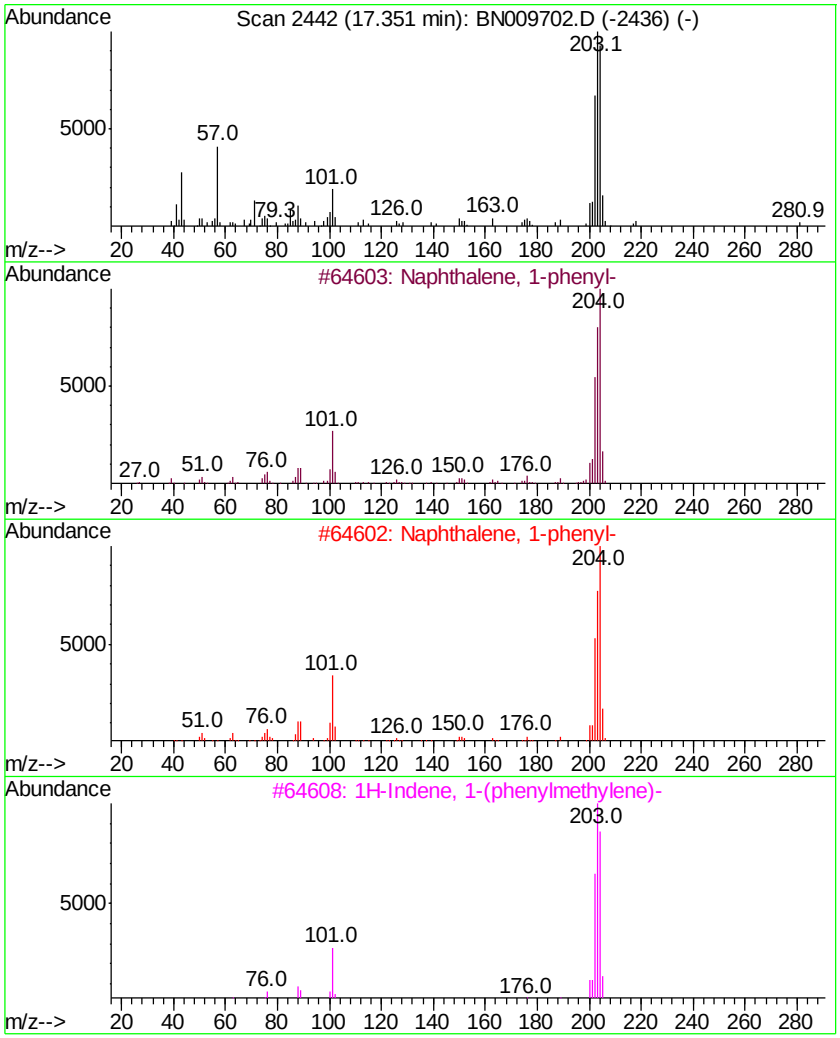
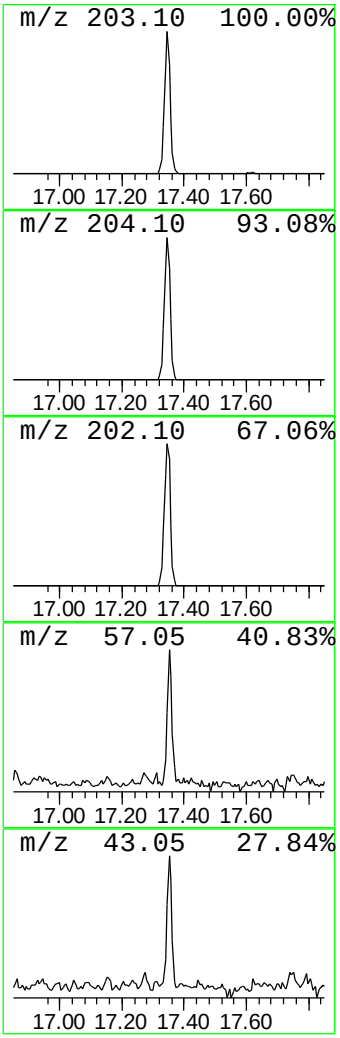
Peak Number 19 Naphthalene, 1-phenyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	2.36 ng/ul	228553	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	95
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	95
3	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	94
4	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	93
5	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	90





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Quant Title : SVOA CALIBRATION

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

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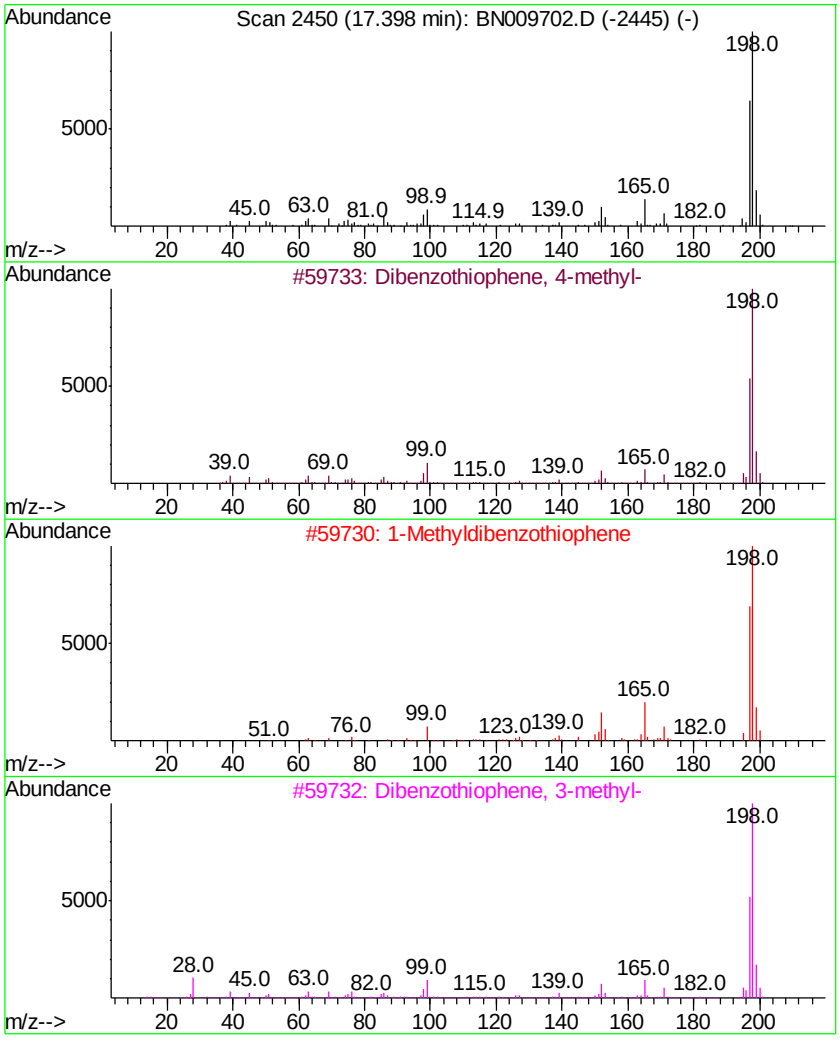
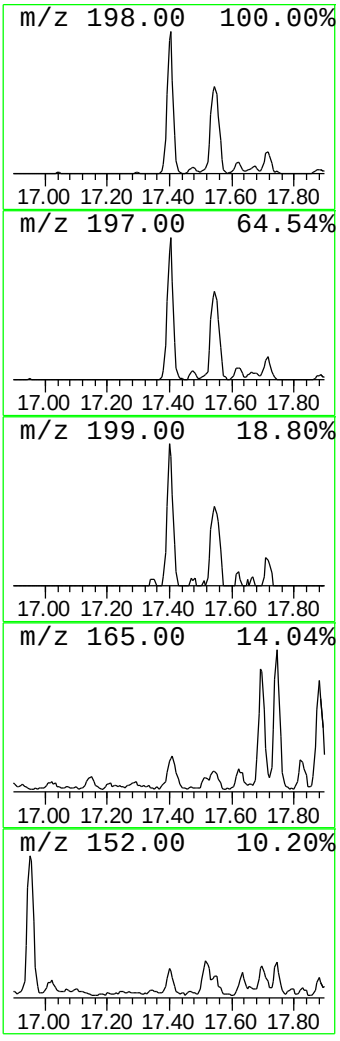
Peak Number 20 Dibenzothiophene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.40	3.39 ng/ul	328807	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	95
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80
5	Tacrine	198	C13H14N2	000321-64-2	72





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

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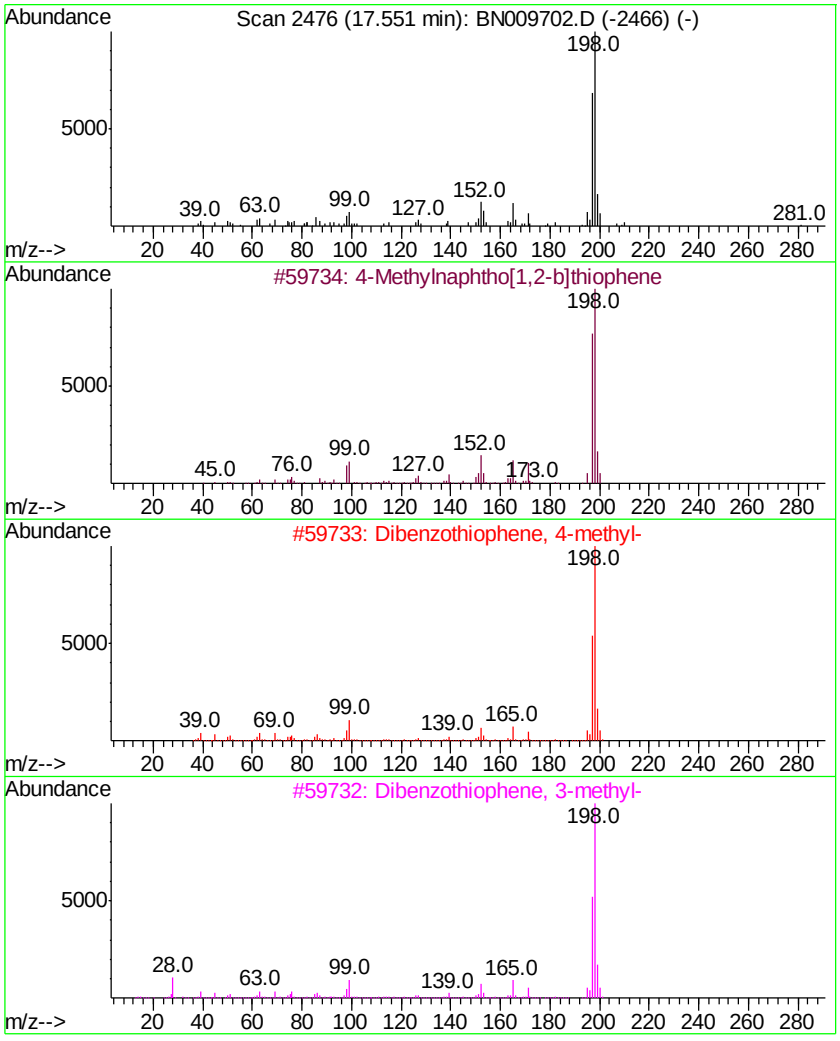
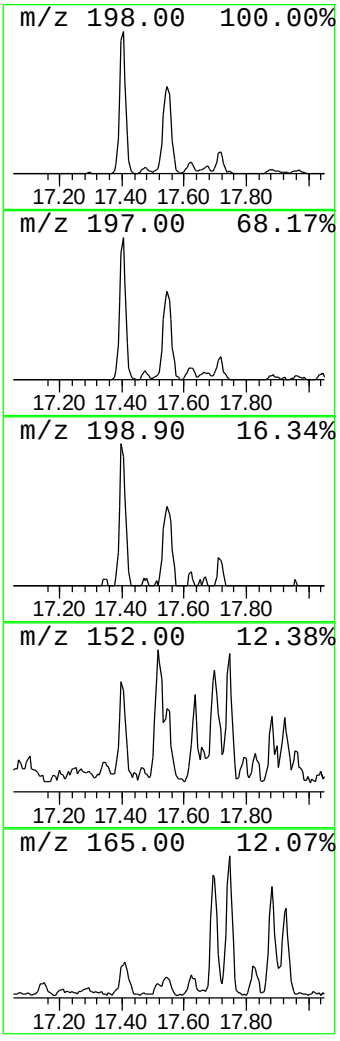
Peak Number 21 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.55	2.42 ng/ul	234645	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	74





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TIC Integration Parameters: LSCINT.P

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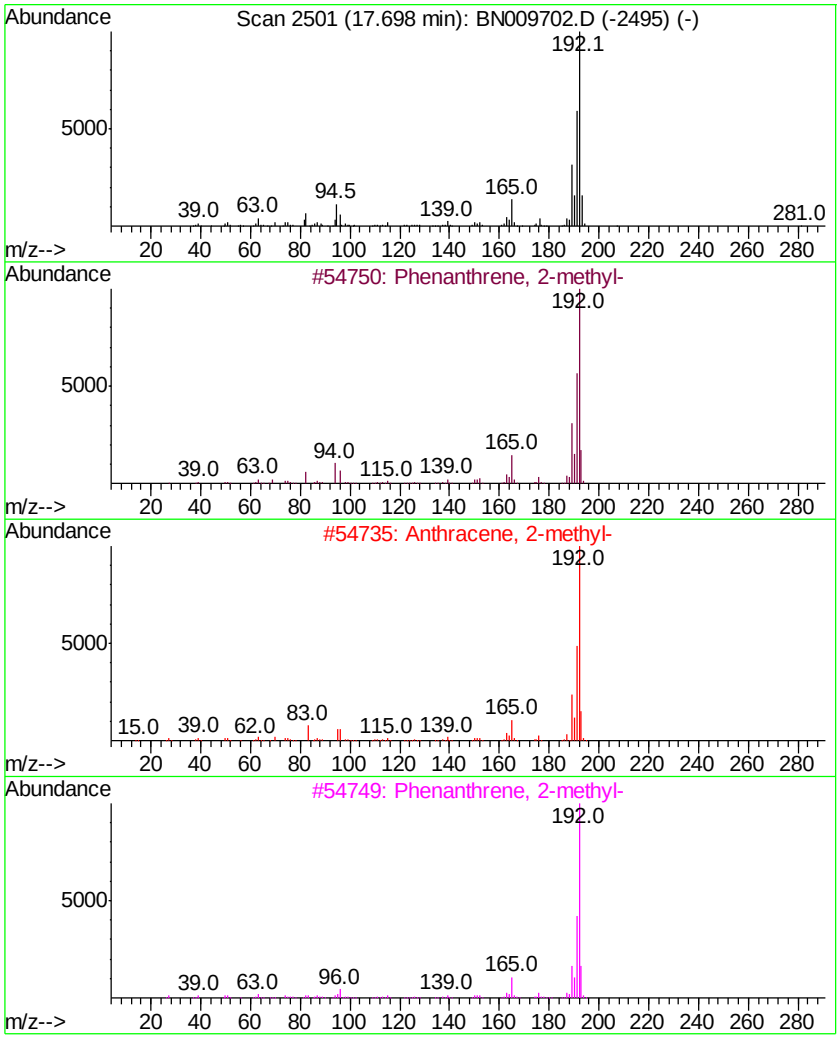
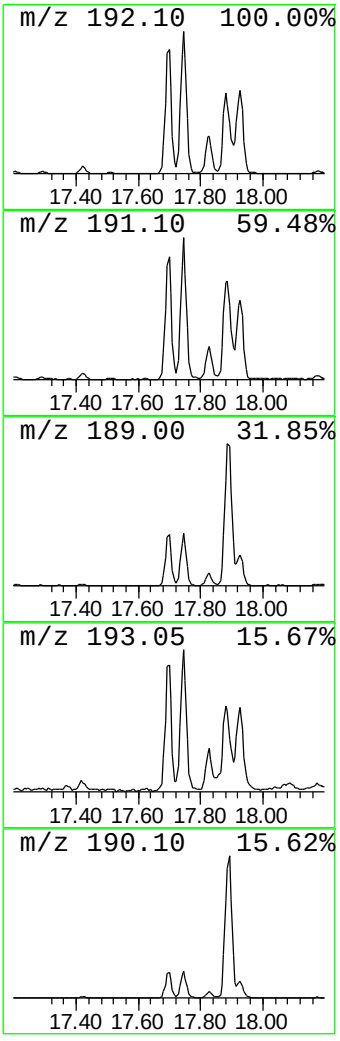
Peak Number 22 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	9.46 ng/ul	916209	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Acq On : 11 Feb 2020 11:51
Operator : CG/JU
Sample : L1324-04MEDL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL

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Quant Title : SVOA CALIBRATION

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

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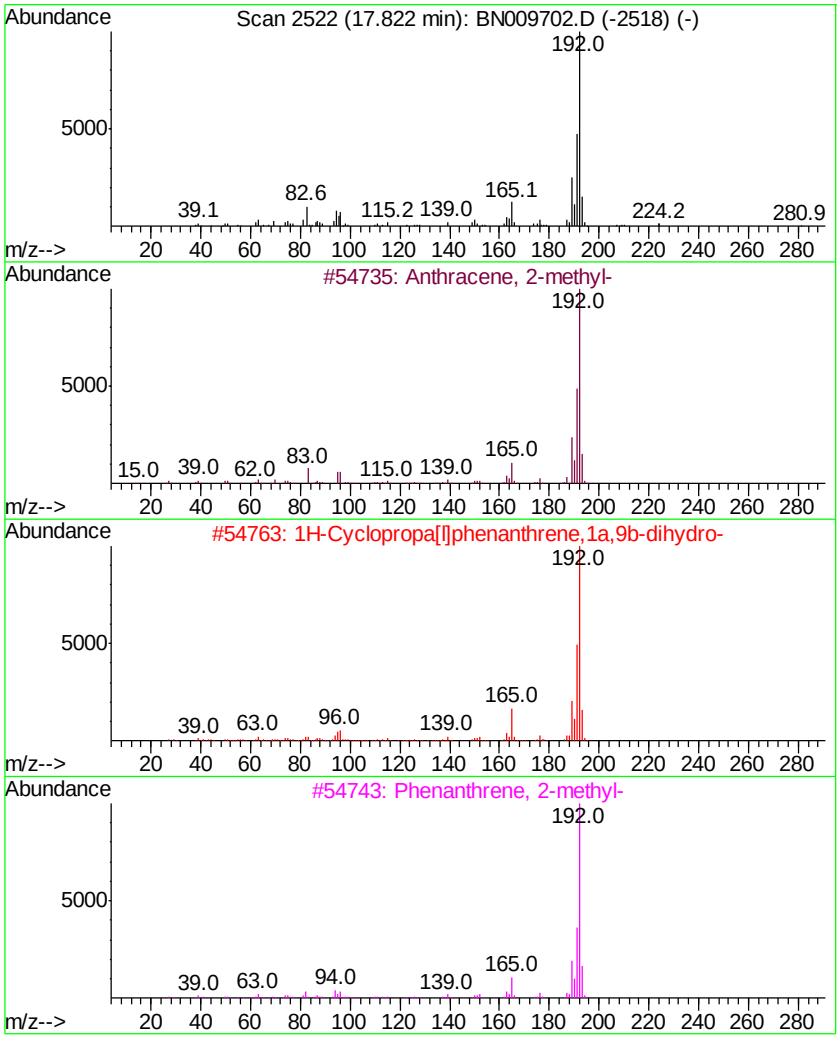
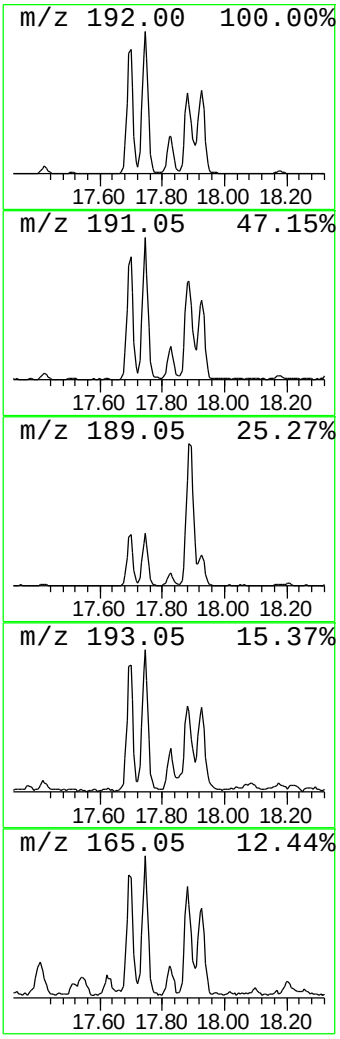
Peak Number 24 Anthracene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	2.71 ng/ul	262728	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Instrument : BNA_N
ClientSampleId : GAT61MEDL

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Quant Title : SVOA CALIBRATION

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

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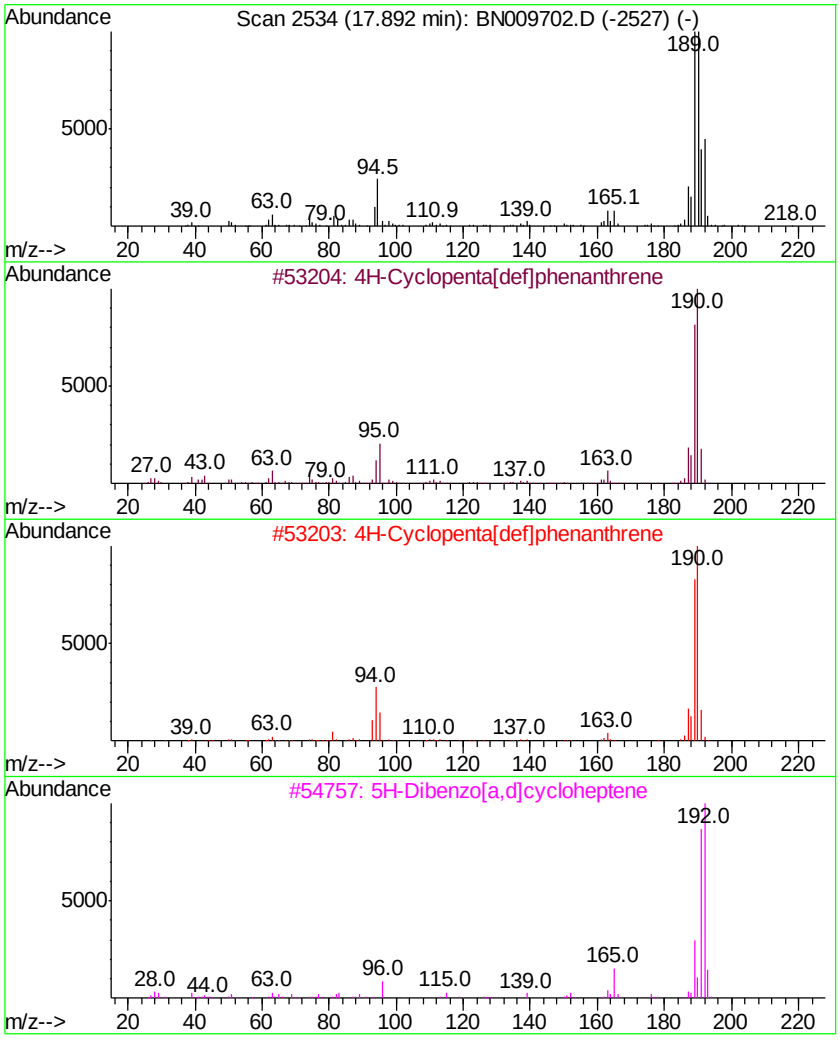
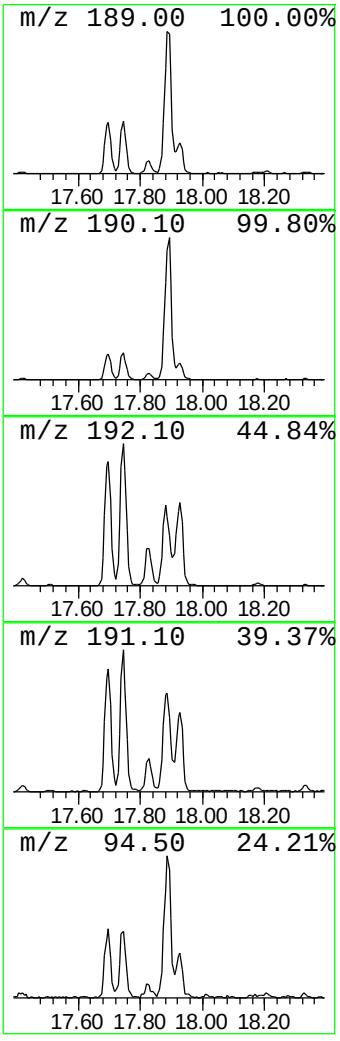
Peak Number 25 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	14.59 ng/ul	1413540	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	35
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25





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Quant Title : SVOA CALIBRATION

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

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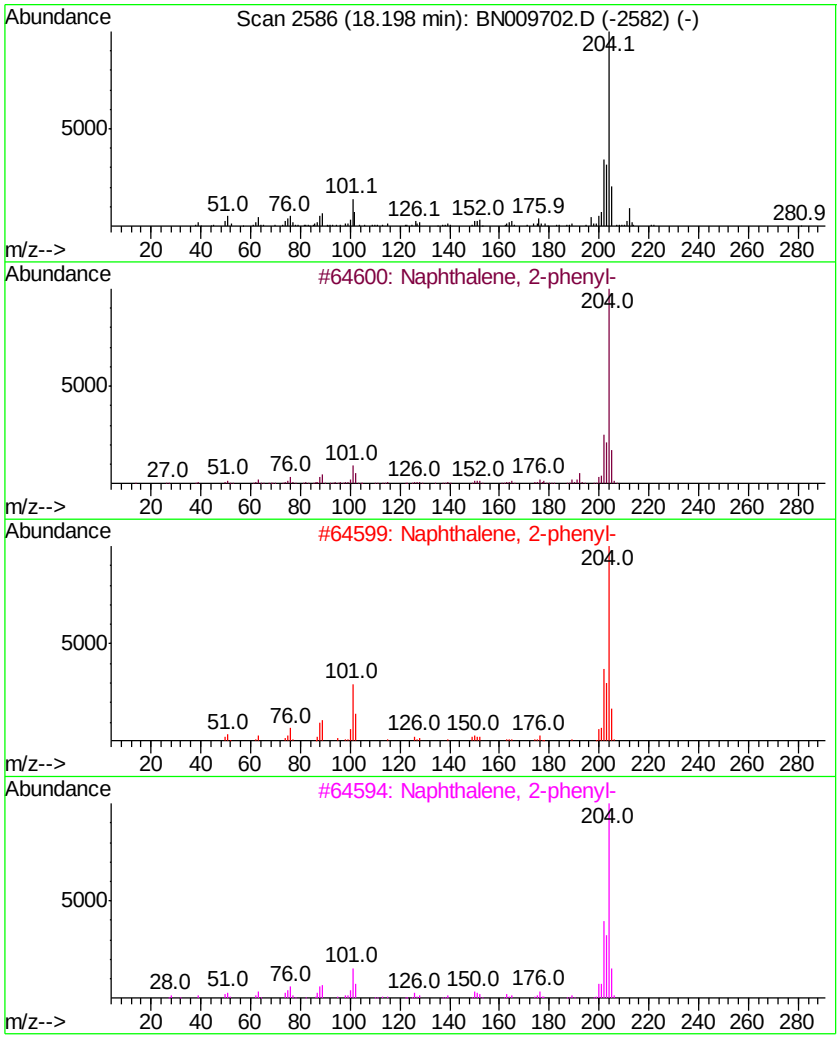
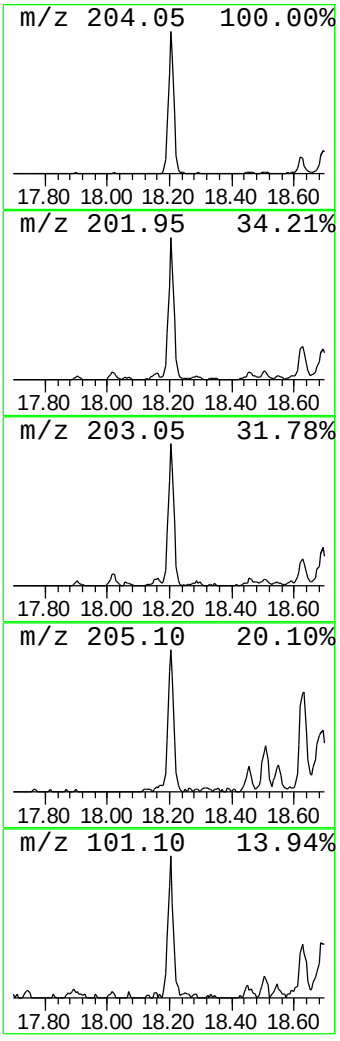
Peak Number 27 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	4.99 ng/ul	483168	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





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Operator : CG/JU
Sample : L1324-04MEDL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL

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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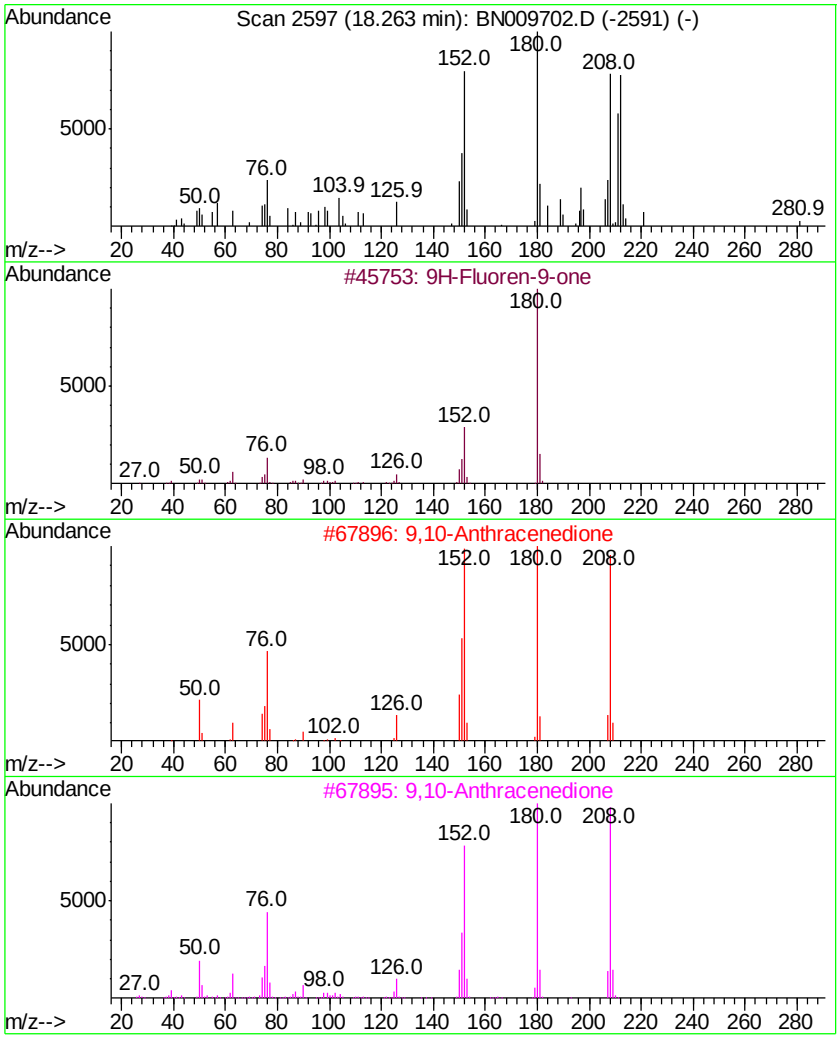
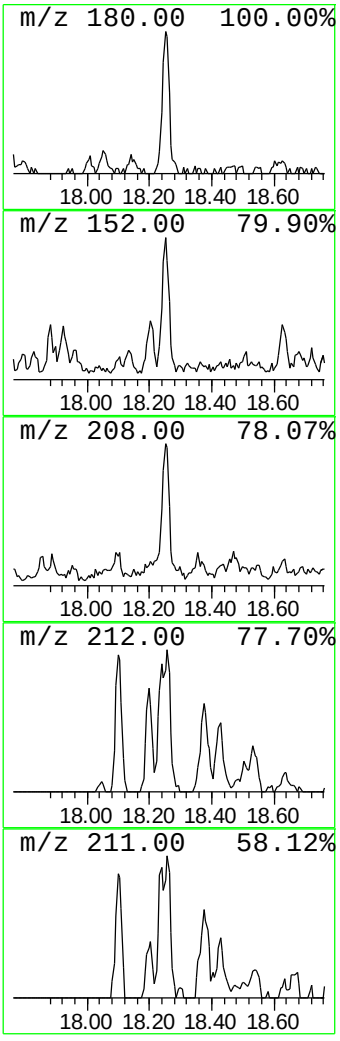
Peak Number 28 9H-Fluoren-9-one Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	2.07 ng/ul	200236	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	89
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	89
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	86
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	58
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	50





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Sample : L1324-04MEDL 10X
Misc :
ALS Vial : 3 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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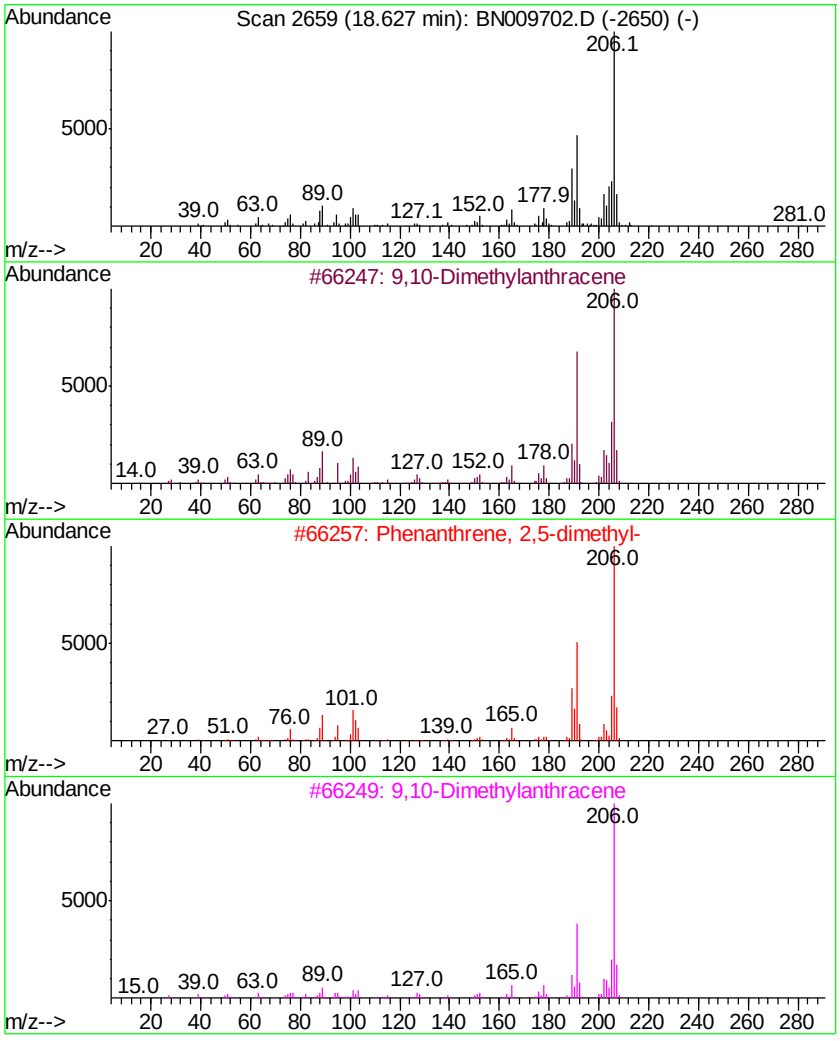
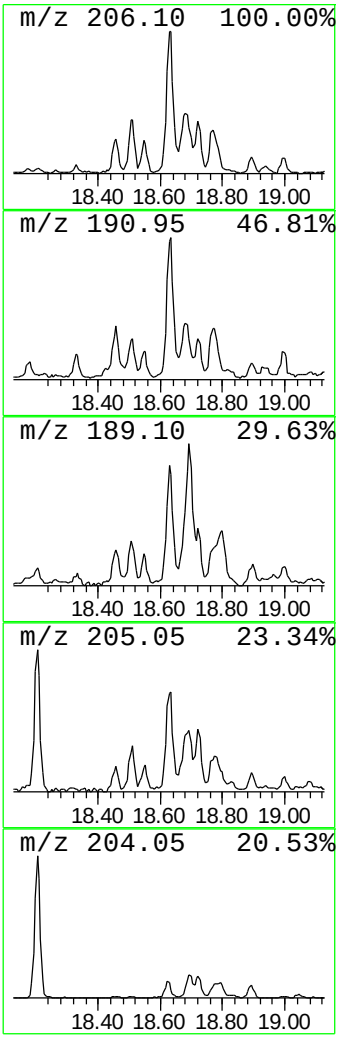
Peak Number 29 9,10-Dimethylanthracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	5.04 ng/ul	487784	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93





Library Search Compound Report

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Operator : CG/JU
Sample : L1324-04MEDL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL

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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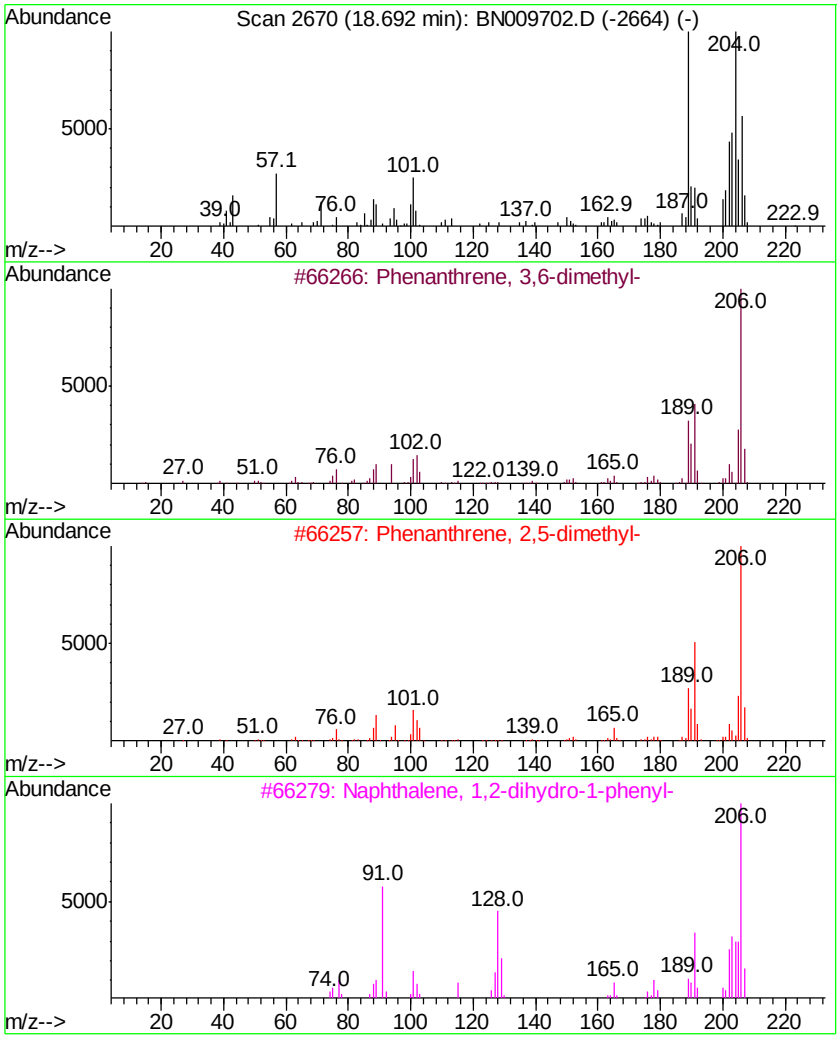
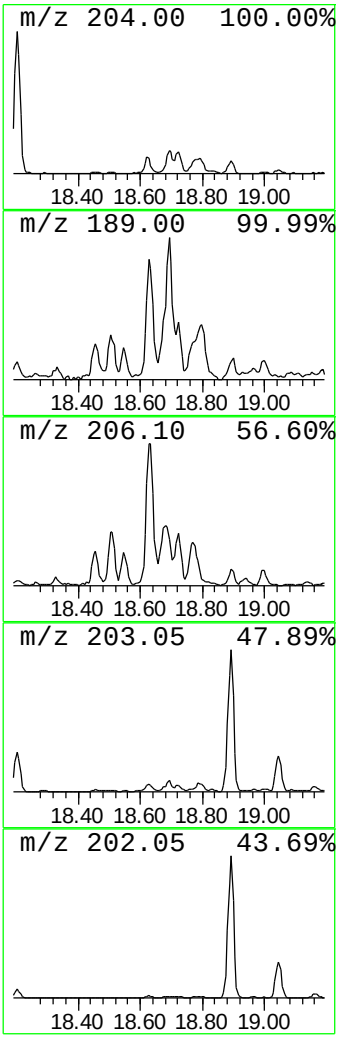
Peak Number 30 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	3.46 ng/ul	335374	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	38
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	38





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Operator : CG/JU
Sample : L1324-04MEDL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL

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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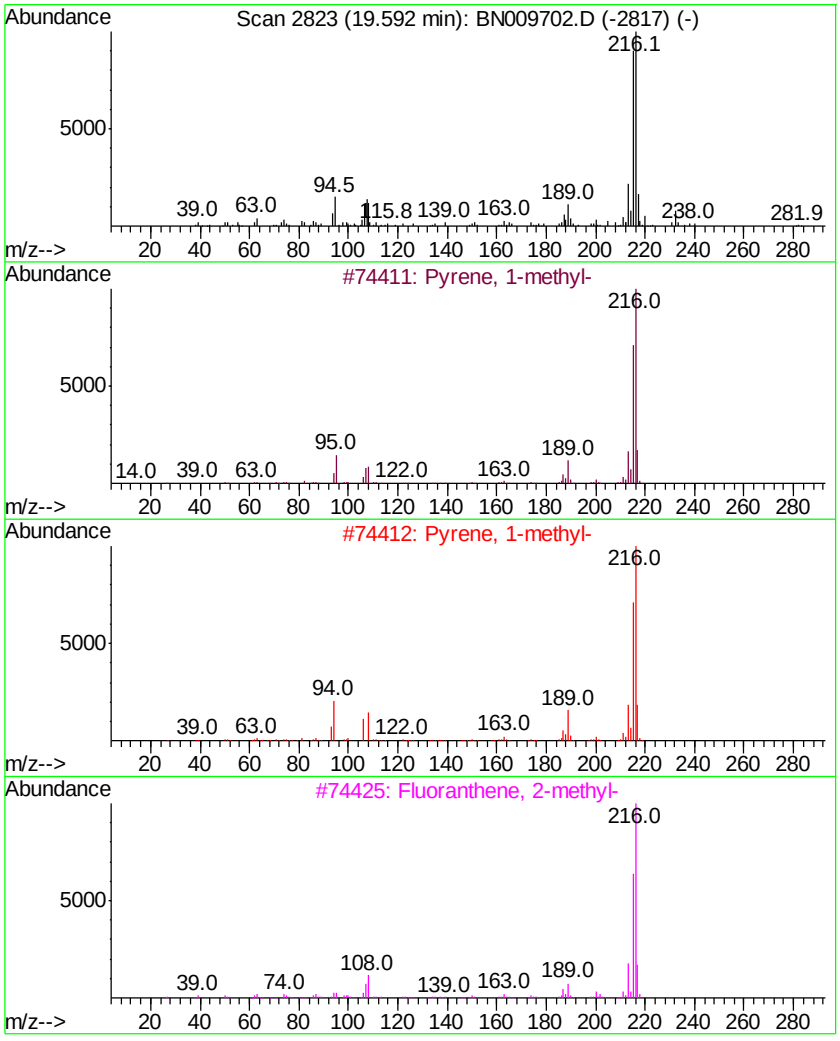
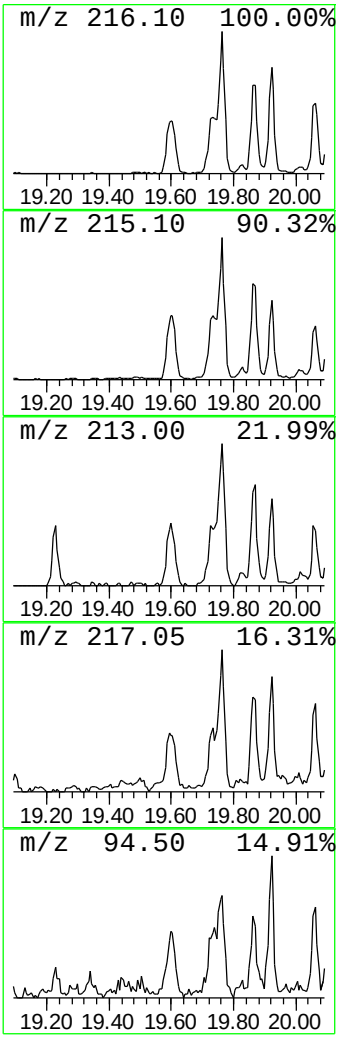
Peak Number 33 Pyrene, 1-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.59	2.23 ng/ul	400420	Chrysene-d12	21.04

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	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93





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Sample : L1324-04MEDL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL

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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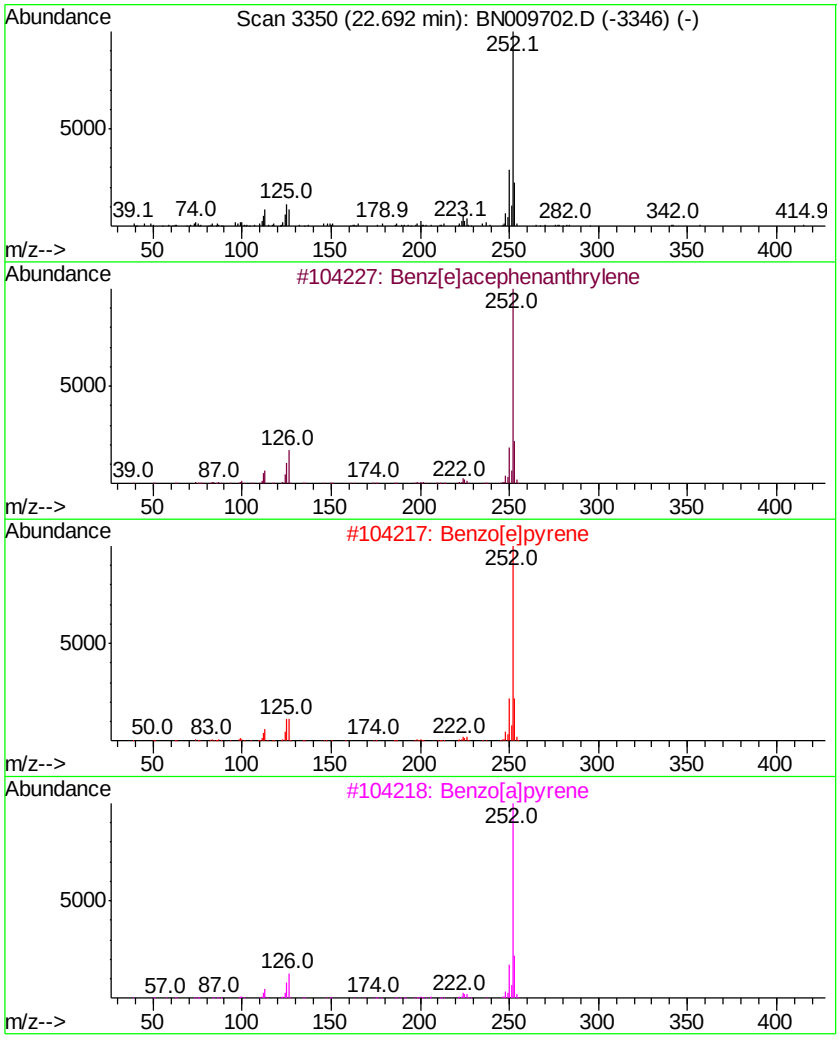
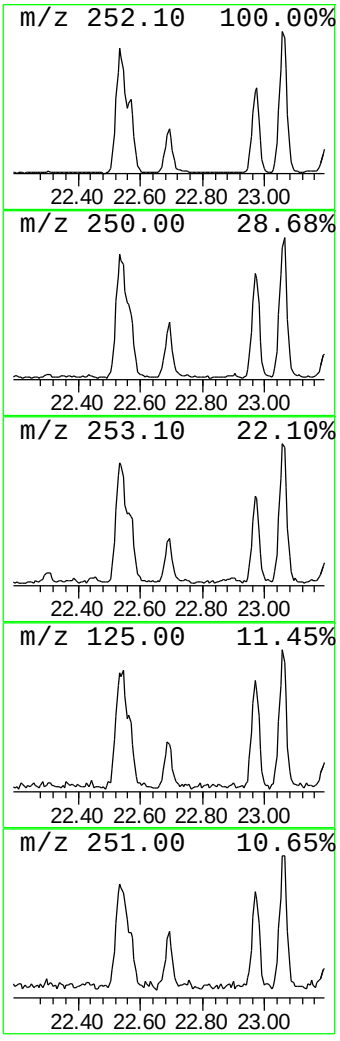
Peak Number 35 Benzo[e]pyrene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.69	2.24 ng/ul	226849	Perylene-d12	23.15

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





Tentatively Identified Compound (LSC) summary

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Operator : CG/JU
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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL

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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
2,4-Nonadiyne	7.08	10.7	ng/ul	454801	1	7.42	847222	20.0
Benzene, 1-etheny...	7.17	2.2	ng/ul	91623	1	7.42	847222	20.0
Indene	7.95	17.2	ng/ul	729594	1	7.42	847222	20.0
2-Methylindene	9.61	3.3	ng/ul	219795	2	10.17	1318390	20.0
Naphthalene, 1-me...	12.06	32.3	ng/ul	2126020	2	10.17	1318390	20.0
Naphthalene, 2-et...	13.08	2.3	ng/ul	215202	3	14.06	1847040	20.0
Naphthalene, 1,6-...	13.22	4.6	ng/ul	428600	3	14.06	1847040	20.0
Naphthalene, 2,3-...	13.38	10.0	ng/ul	925438	3	14.06	1847040	20.0
Naphthalene, 1,4,...	14.69	3.0	ng/ul	279866	3	14.06	1847040	20.0
3-Trifluoromethyl...	14.95	3.2	ng/ul	298552	3	14.06	1847040	20.0
1-Isopropenylnaph...	15.25	2.0	ng/ul	186495	3	14.06	1847040	20.0
9H-Fluorene, 2-me...	16.13	4.3	ng/ul	411562	4	16.82	1937140	20.0
Naphtho[2,3-b]thi...	16.64	5.1	ng/ul	490557	4	16.82	1937140	20.0
Naphthalene, 1-ph...	17.35	2.4	ng/ul	228553	4	16.82	1937140	20.0
Dibenzothiophene,...	17.40	3.4	ng/ul	328807	4	16.82	1937140	20.0
4-Methylnaphtho[1...	17.55	2.4	ng/ul	234645	4	16.82	1937140	20.0
Phenanthrene, 2-m...	17.70	9.5	ng/ul	916209	4	16.82	1937140	20.0
Anthracene, 2-met...	17.82	2.7	ng/ul	262728	4	16.82	1937140	20.0
4H-Cyclopenta[def...	17.89	14.6	ng/ul	1413540	4	16.82	1937140	20.0
Naphthalene, 2-ph...	18.20	5.0	ng/ul	483168	4	16.82	1937140	20.0
9H-Fluoren-9-one	18.26	2.1	ng/ul	200236	4	16.82	1937140	20.0
9,10-Dimethylanth...	18.63	5.0	ng/ul	487784	4	16.82	1937140	20.0
Phenanthrene, 3,6...	18.69	3.5	ng/ul	335374	4	16.82	1937140	20.0
Pyrene, 1-methyl-	19.59	2.2	ng/ul	400420	5	21.04	3597330	20.0
Benzo[e]pyrene	22.69	2.2	ng/ul	226849	6	23.15	2029330	20.0