LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009693.D
Acq On : 10 Feb 2020 19:48
Operator : CG/JU
Sample : L1324-04MEDL2 40X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL2

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	3.752	124	130	135	rBV2	14739	22011	0.86%	0.087%
2	5.134	359	365	375	rVB2	27612	55680	2.18%	0.221%
3	5.469	416	422	431	rBV3	38058	86822	3.40%	0.344%
4	6.675	623	627	632	rVB3	12532	19236	0.75%	0.076%
5	7.093	692	698	707	rVV4	65055	120173	4.70%	0.476%
6	7.181	707	713	718	rVB3	13204	20410	0.80%	0.081%
7	7.428	749	755	767	rBV	574949	897295	35.09%	3.555%
8	7.540	770	774	778	rVB2	11856	15823	0.62%	0.063%
9	7.952	836	844	853	rBV	120555	202201	7.91%	0.801%
10	8.693	965	970	976	rVB3	9366	15248	0.60%	0.060%
11	9.616	1120	1127	1128	rBV3	19007	37010	1.45%	0.147%
12	9.693	1134	1140	1152	rBV3	21924	52884	2.07%	0.210%
13	10.175	1215	1222	1226	rBV	800295	1348130	52.72%	5.341%
14	10.228	1226	1231	1242	rVB	1274534	2095566	81.95%	8.303%
15	10.352	1248	1252	1259	rVB4	12810	26587	1.04%	0.105%
16	11.604	1460	1465	1468	rVV5	11707	21537	0.84%	0.085%
17	11.634	1468	1470	1474	rVV2	15631	19230	0.75%	0.076%
18	11.846	1499	1506	1515	rBV	530218	907052	35.47%	3.594%
19	12.075	1533	1545	1556	rBV	357281	602222	23.55%	2.386%
20	12.893	1678	1684	1695	rVV	118413	194428	7.60%	0.770%
21	13.087	1711	1717	1729	rVB3	21239	44444	1.74%	0.176%
22	13.222	1734	1740	1741	rBV	72667	88340	3.45%	0.350%
23	13.381	1761	1767	1773	rBV	148694	247258	9.67%	0.980%
24	13.440	1773	1777	1782	rVV	83860	109716	4.29%	0.435%
25	13.522	1784	1791	1799	rVB2	58240	117236	4.58%	0.464%
26	13.622	1803	1808	1812	rBV2	62717	101919	3.99%	0.404%
27	13.781	1826	1835	1844	rBV	351563	570544	22.31%	2.260%
28	14.004	1867	1873	1877	rBV3	14214	22749	0.89%	0.090%
29	14.063	1877	1883	1891	rVV	1193897	1791862	70.07%	7.099%
30	14.128	1891	1894	1898	rVV	45426	65905	2.58%	0.261%
31	14.163	1898	1900	1906	rVV2	21380	29512	1.15%	0.117%
32	14.475	1944	1953	1961	rVV3	53889	96211	3.76%	0.381%
33	14.557	1961	1967	1971	rBV3	26294	37333	1.46%	0.148%
34	14.687	1983	1989	1996	rBV3	31551	68849	2.69%	0.273%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009693.D
Acq On : 10 Feb 2020 19:48
Operator : CG/JU
Sample : L1324-04MEDL2 40X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL2

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	14.751	1996	2000	2004	rVB	18691	25643	1.00%	0.102%
36	14.851	2013	2017	2018	rBV3	11912	15909	0.62%	0.063%
37	14.951	2029	2034	2040	rVB3	45104	73633	2.88%	0.292%
38	15.022	2042	2046	2050	rBV5	10224	18246	0.71%	0.072%
39	15.069	2050	2054	2059	rVB3	68522	90580	3.54%	0.359%
40	15.128	2059	2064	2070	rBV	251699	388561	15.20%	1.539%
41	15.428	2109	2115	2119	rBV3	23957	32962	1.29%	0.131%
42	15.587	2136	2142	2150	rVB5	15137	34280	1.34%	0.136%
43	15.822	2177	2182	2187	rVV4	16845	31875	1.25%	0.126%
44	16.134	2227	2235	2240	rVV3	46682	107318	4.20%	0.425%
45	16.186	2240	2244	2249	rVV3	39079	57298	2.24%	0.227%
46	16.281	2256	2260	2267	rVV2	29723	45460	1.78%	0.180%
47	16.410	2277	2282	2285	rVV3	14567	22124	0.87%	0.088%
48	16.486	2291	2295	2301	rVV3	22049	36352	1.42%	0.144%
49	16.569	2301	2309	2313	rVV8	6496	15620	0.61%	0.062%
50	16.639	2313	2321	2332	rVB	78230	138708	5.42%	0.550%
51	16.822	2346	2352	2355	rBV	1464427	1955312	76.47%	7.747%
52	16.863	2355	2359	2365	rVV	1163476	1600029	62.57%	6.339%
53	16.922	2365	2369	2371	rVV3	39266	62916	2.46%	0.249%
54	16.957	2371	2375	2382	rVV	179867	272507	10.66%	1.080%
55	17.016	2382	2385	2391	rVV3	16731	34144	1.34%	0.135%
56	17.104	2397	2400	2404	rVV5	8544	13708	0.54%	0.054%
57	17.351	2437	2442	2446	rVV2	37473	49044	1.92%	0.194%
58	17.410	2446	2452	2460	rVB3	39036	72067	2.82%	0.286%
59	17.545	2471	2475	2480	rVB2	24419	43031	1.68%	0.170%
60	17.698	2496	2501	2505	rBV	166423	227565	8.90%	0.902%
61	17.745	2505	2509	2518	rVB	190155	261814	10.24%	1.037%
62	17.828	2518	2523	2528	rBV3	44100	71679	2.80%	0.284%
63	17.886	2528	2533	2537	rVV2	227488	368643	14.42%	1.461%
64	17.928	2537	2540	2546	rVB	113100	155740	6.09%	0.617%
65	18.098	2566	2569	2575	rVB5	9622	14878	0.58%	0.059%
66	18.204	2575	2587	2591	rBV	99174	157099	6.14%	0.622%
67	18.257	2591	2596	2601	rVB5	21035	36625	1.43%	0.145%
68	18.457	2627	2630	2634	rVB3	17589	19162	0.75%	0.076%
69	18.510	2635	2639	2642	rBV	23627	25900	1.01%	0.103%
70	18.545	2642	2645	2649	rVB2	17668	23354	0.91%	0.093%
71	18.633	2654	2660	2664	rBV2	72428	119071	4.66%	0.472%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009693.D
Acq On : 10 Feb 2020 19:48
Operator : CG/JU
Sample : L1324-04MEDL2 40X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL2

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	18.692	2664	2670	2673	rVV5	47649	93070	3.64%	0.369%
73	18.728	2673	2676	2679	rVB2	29069	33362	1.30%	0.132%
74	18.775	2679	2684	2691	rBV6	26032	65833	2.57%	0.261%
75	18.892	2698	2704	2711	rBV	475052	644918	25.22%	2.555%
76	18.969	2713	2717	2720	rVV4	13531	19954	0.78%	0.079%
77	18.998	2720	2722	2725	rVV4	13345	15850	0.62%	0.063%
78	19.045	2725	2730	2736	rVB	108083	144414	5.65%	0.572%
79	19.139	2742	2746	2749	rBV4	9648	15871	0.62%	0.063%
80	19.257	2756	2766	2775	rBV	608617	903697	35.34%	3.580%
81	19.345	2777	2781	2787	rVB7	14789	24532	0.96%	0.097%
82	19.445	2794	2798	2800	rBV4	11548	16083	0.63%	0.064%
83	19.598	2819	2824	2832	rBV3	40618	90394	3.54%	0.358%
84	19.733	2842	2847	2849	rVV5	42572	71364	2.79%	0.283%
85	19.763	2849	2852	2858	rVB2	87266	114856	4.49%	0.455%
86	19.827	2859	2863	2865	rBV5	13255	17135	0.67%	0.068%
87	19.869	2865	2870	2874	rBV2	65284	80827	3.16%	0.320%
88	19.922	2875	2879	2883	rVB2	63120	77092	3.01%	0.305%
89	20.063	2899	2903	2907	rVV	49991	63610	2.49%	0.252%
90	20.104	2907	2910	2915	rVB	57507	78322	3.06%	0.310%
91	20.322	2944	2947	2950	rBV5	18288	28205	1.10%	0.112%
92	20.680	3005	3008	3011	rBV	39949	41442	1.62%	0.164%
93	20.716	3011	3014	3017	rBV	42346	45886	1.79%	0.182%
94	20.757	3017	3021	3024	rBV	28923	46075	1.80%	0.183%
95	21.033	3061	3068	3072	rBV	1865224	2557084	100.00%	10.131%
96	21.069	3072	3074	3082	rVB	209405	279850	10.94%	1.109%
97	21.574	3158	3160	3164	rVB2	54654	55992	2.19%	0.222%
98	22.533	3319	3323	3333	rVB3	124536	358256	14.01%	1.419%
99	23.057	3408	3412	3419	rVB2	149949	262683	10.27%	1.041%
100	23.145	3421	3427	3441	rVB	1191237	2122913	83.02%	8.411%

Sum of corrected areas: 25239850

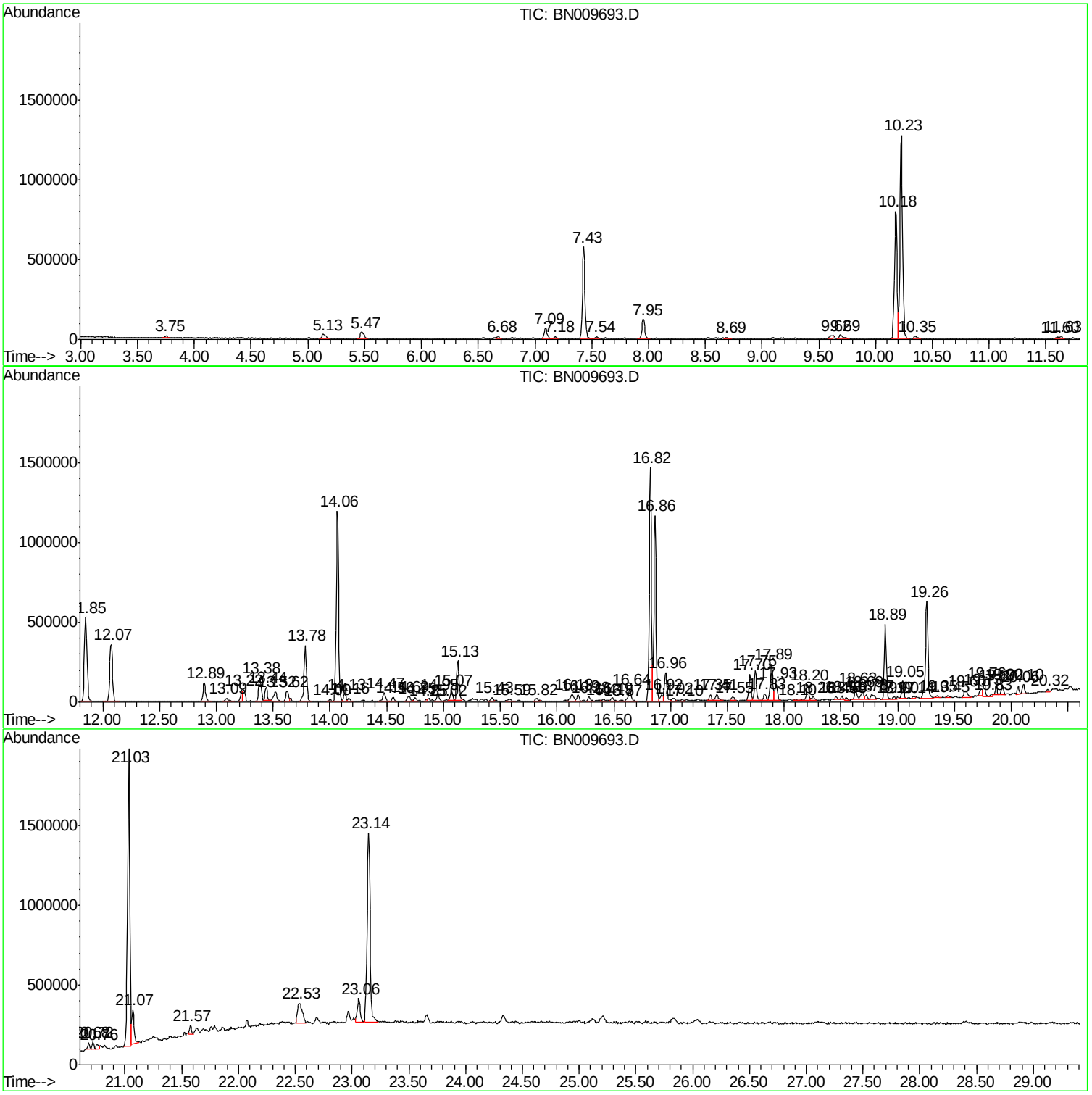
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009693.D
Acq On : 10 Feb 2020 19:48
Operator : CG/JU
Sample : L1324-04MEDL2 40X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL2

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009693.D
Acq On : 10 Feb 2020 19:48
Operator : CG/JU
Sample : L1324-04MEDL2 40X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL2

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

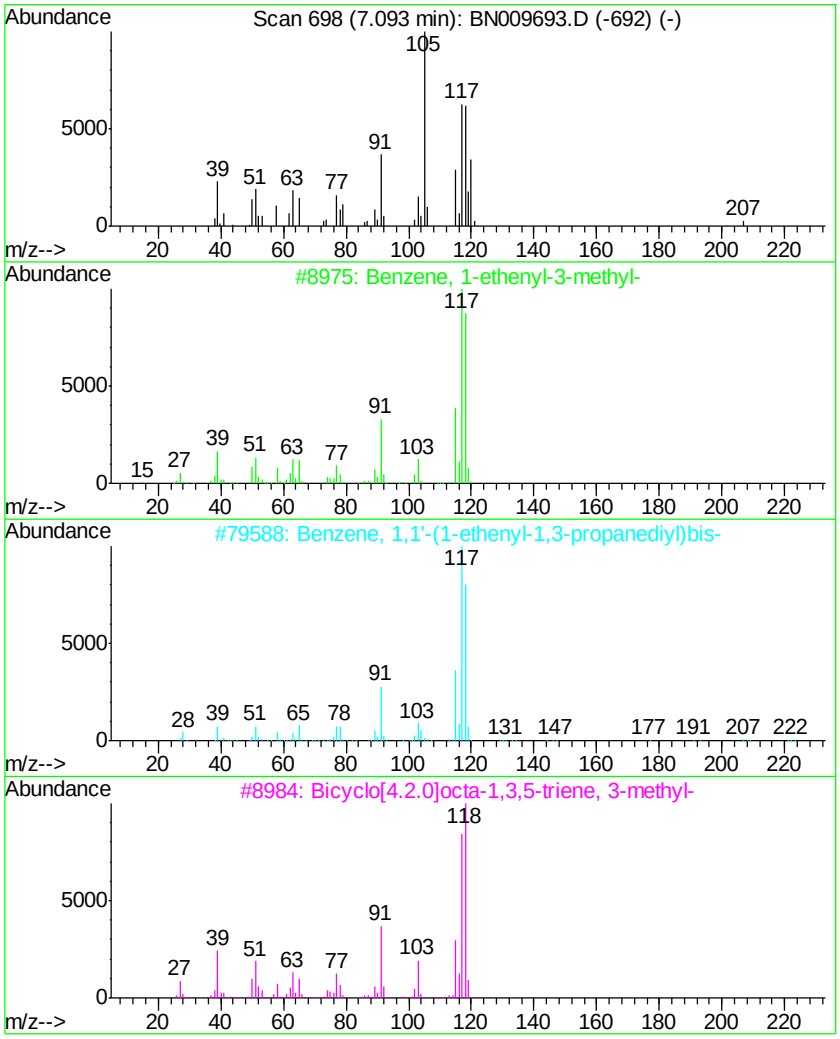
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

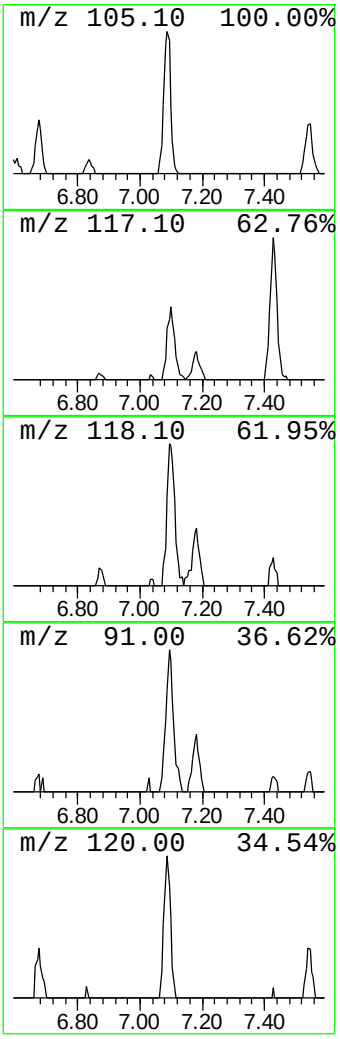
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.09	2.68 ng/ul	120173	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	91
2	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	58
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	55
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	55
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	55





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009693.D
Acq On : 10 Feb 2020 19:48
Operator : CG/JU
Sample : L1324-04MEDL2 40X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL2

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

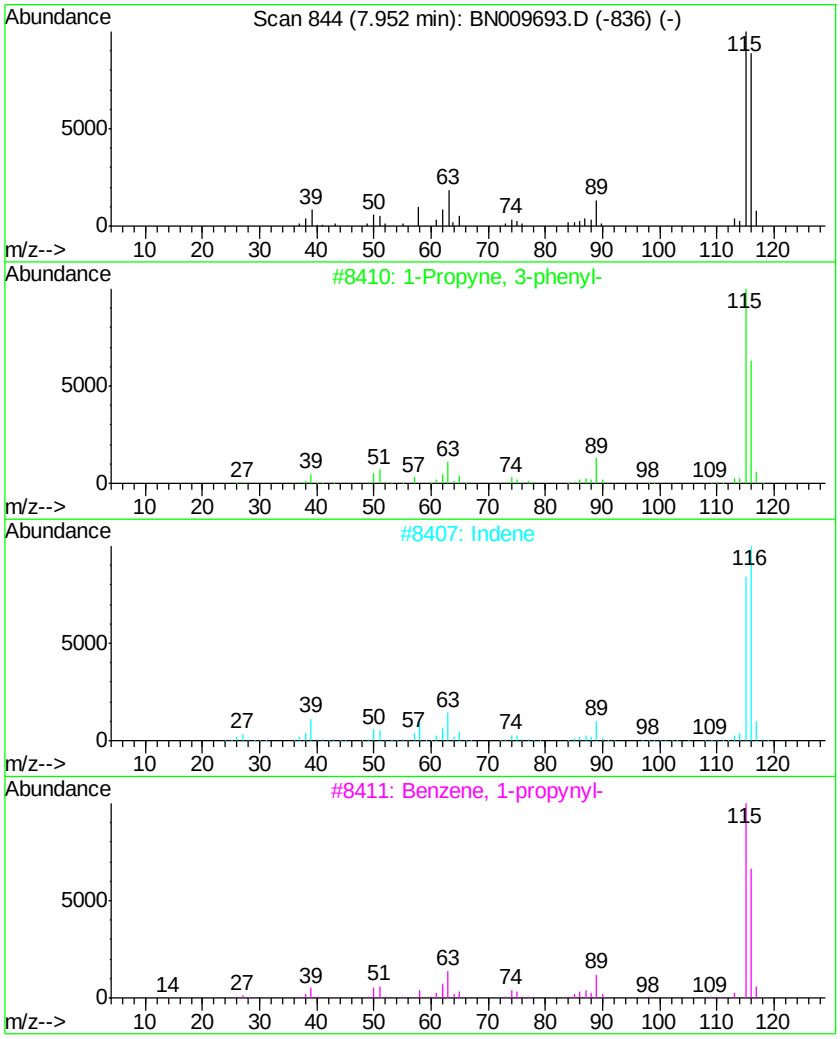
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

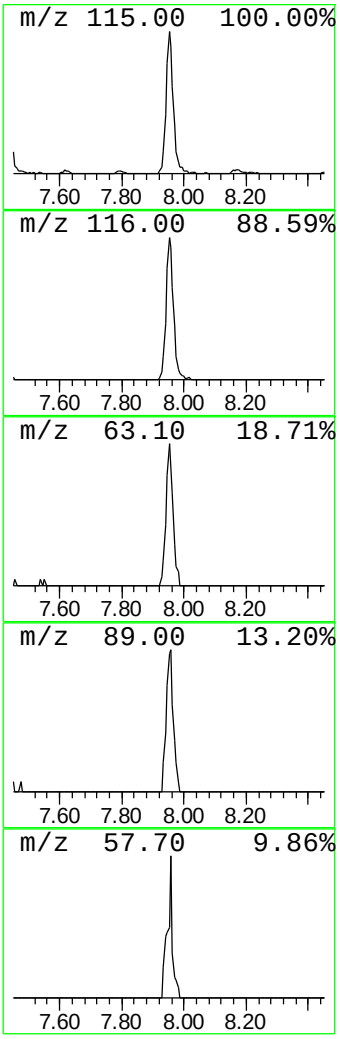
****

Peak Number 2 1-Propyne, 3-phenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	4.51 ng/ul	202201	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	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009693.D
Acq On : 10 Feb 2020 19:48
Operator : CG/JU
Sample : L1324-04MEDL2 40X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL2

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

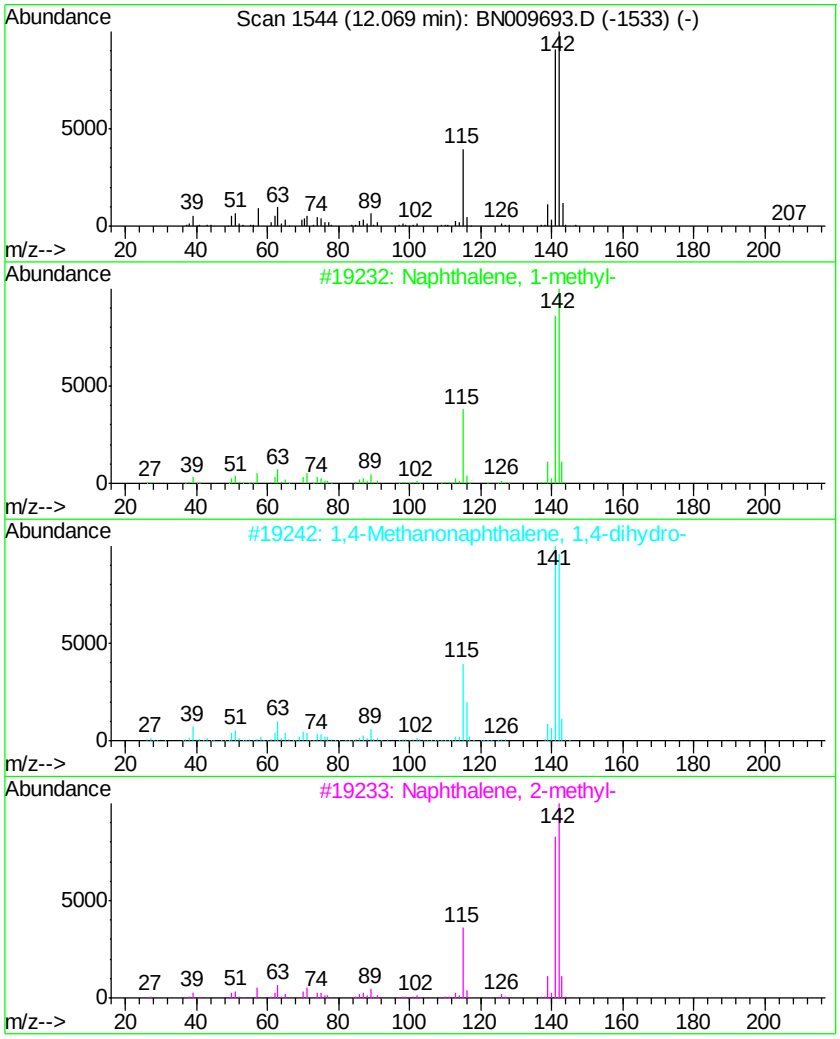
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

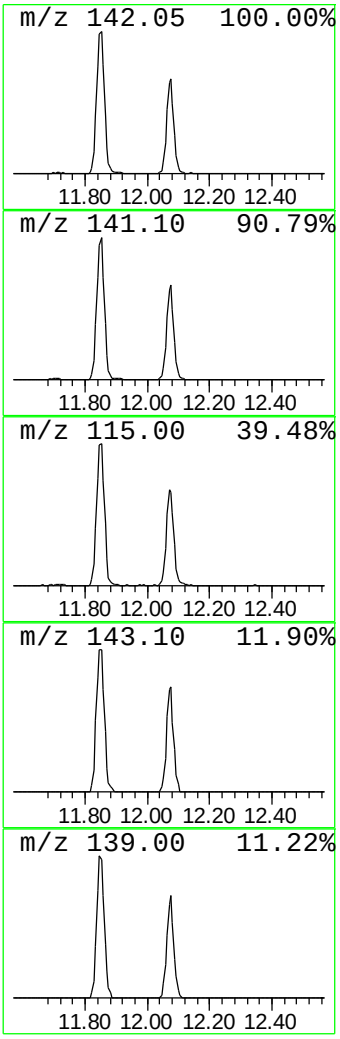
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	8.93 ng/ul	602222	Naphthalene-d8	10.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009693.D
Acq On : 10 Feb 2020 19:48
Operator : CG/JU
Sample : L1324-04MEDL2 40X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL2

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

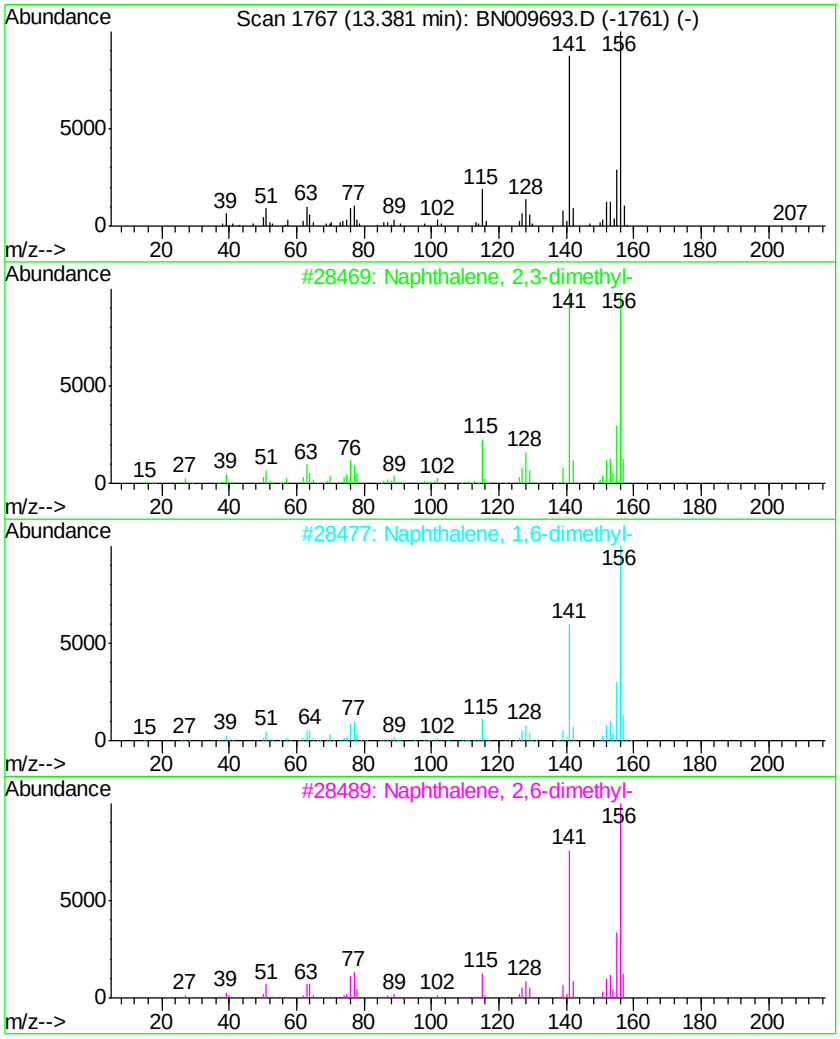
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

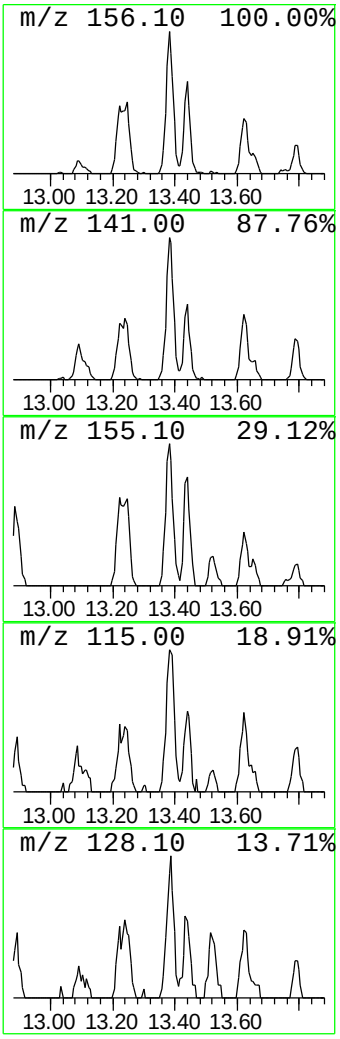
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.76 ng/ul	247258	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, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009693.D
Acq On : 10 Feb 2020 19:48
Operator : CG/JU
Sample : L1324-04MEDL2 40X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL2

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

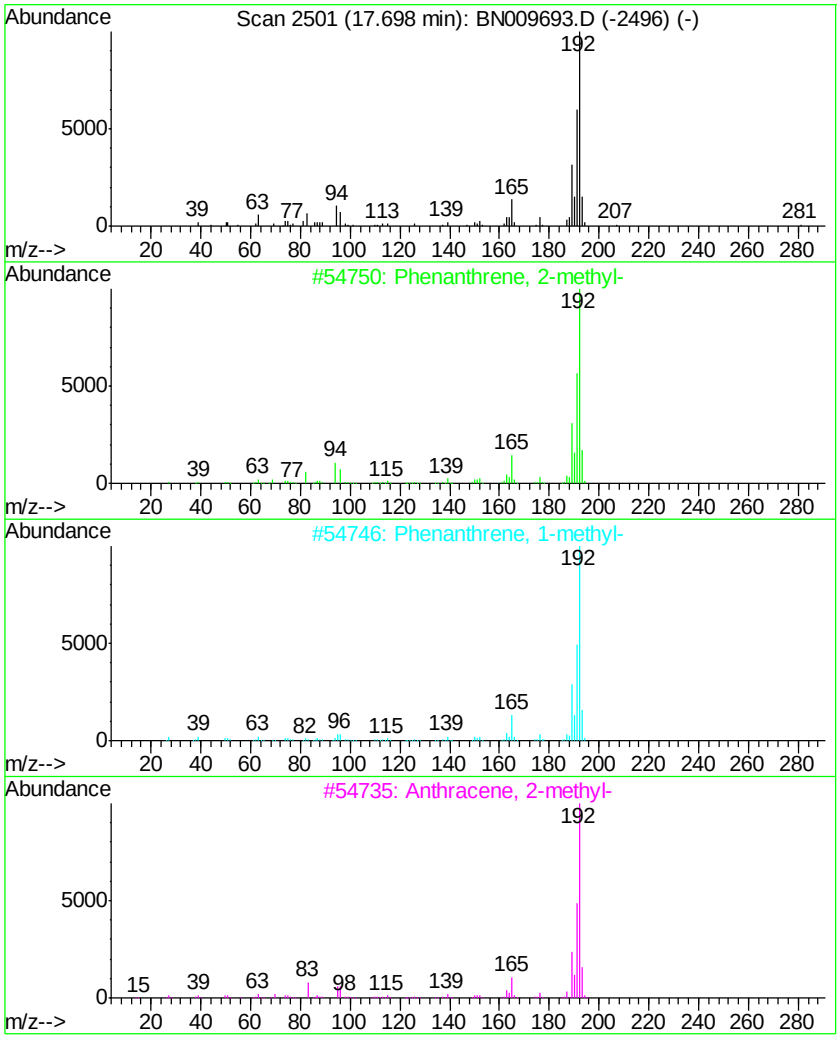
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

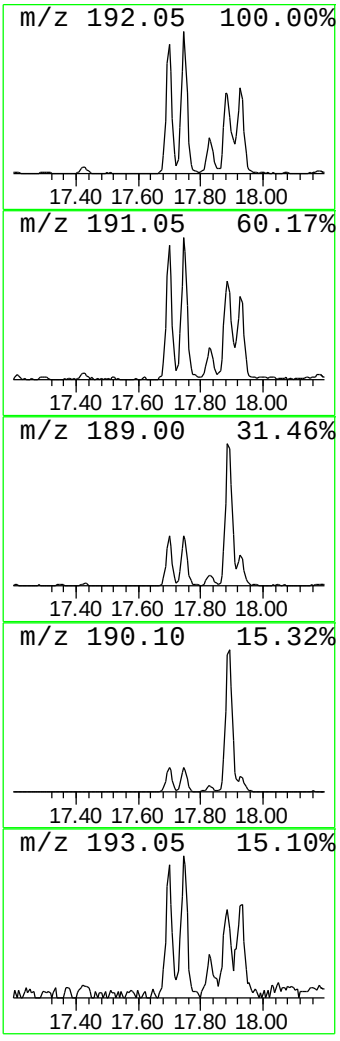
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	2.33 ng/ul	227565	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Acq On : 10 Feb 2020 19:48
Operator : CG/JU
Sample : L1324-04MEDL2 40X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL2

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Quant Title : SVOA CALIBRATION

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

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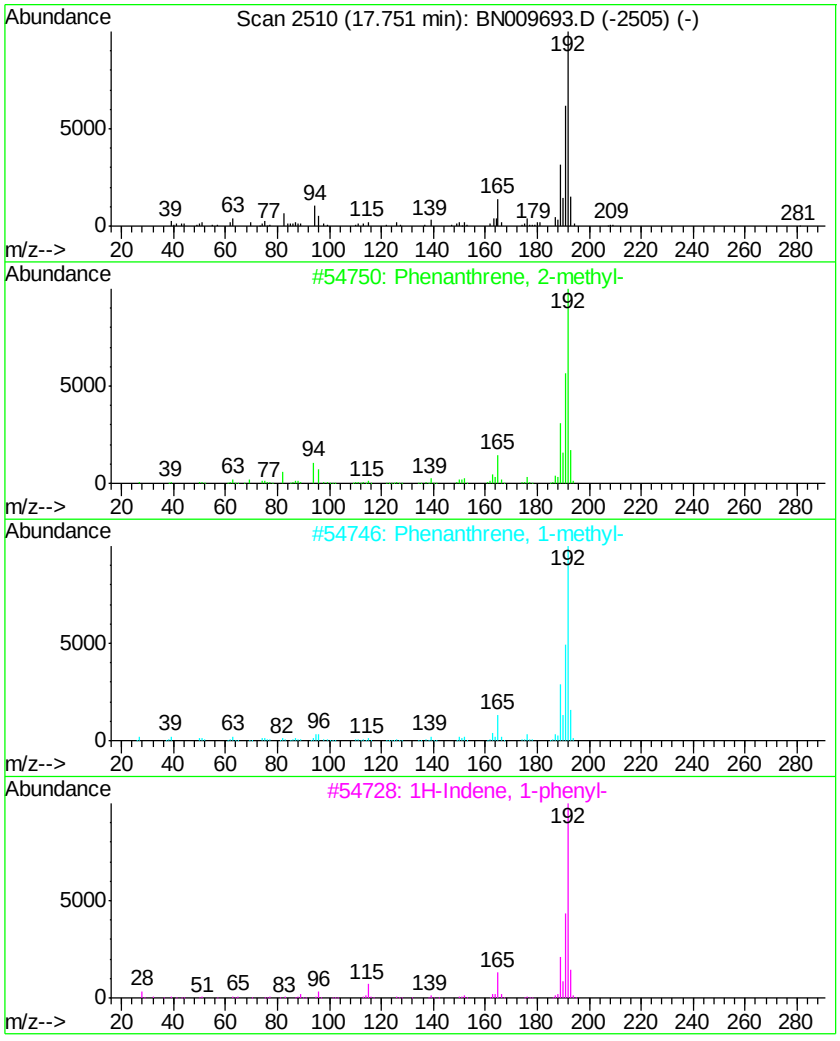
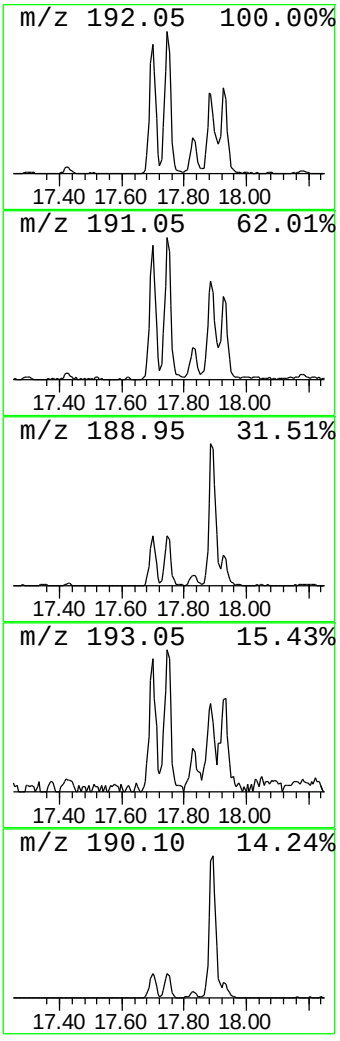
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.75	2.68 ng/ul	261814	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Data File : BN009693.D
Acq On : 10 Feb 2020 19:48
Operator : CG/JU
Sample : L1324-04MEDL2 40X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL2

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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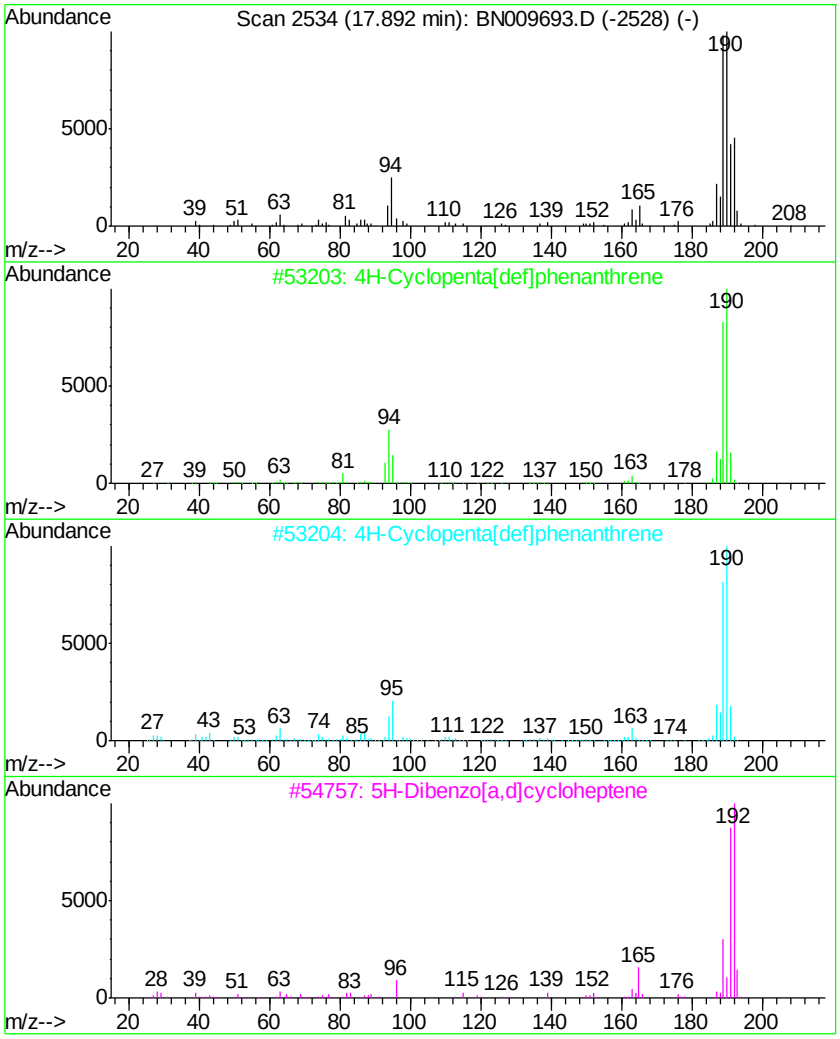
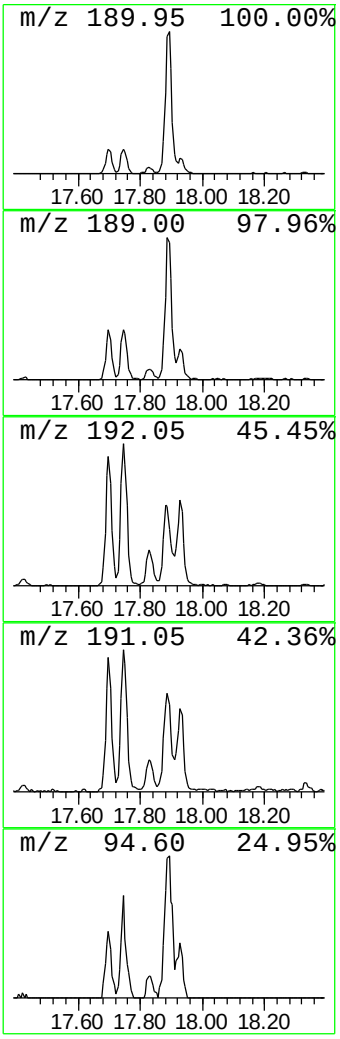
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	3.77 ng/ul	368643	Phenanthrene-d10	16.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021020\
Data File : BN009693.D
Acq On : 10 Feb 2020 19:48
Operator : CG/JU
Sample : L1324-04MEDL2 40X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT61MEDL2

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...	7.09	2.7	ng/ul	120173	1	7.43	897295	20.0
1-Propyne, 3-phenyl-	7.95	4.5	ng/ul	202201	1	7.43	897295	20.0
Naphthalene, 1-me...	12.07	8.9	ng/ul	602222	2	10.18	1348130	20.0
Naphthalene, 2,3-...	13.38	2.8	ng/ul	247258	3	14.06	1791860	20.0
Phenanthrene, 2-m...	17.70	2.3	ng/ul	227565	4	16.82	1955310	20.0
Phenanthrene, 1-m...	17.75	2.7	ng/ul	261814	4	16.82	1955310	20.0
4H-Cyclopenta[def...	17.89	3.8	ng/ul	368643	4	16.82	1955310	20.0