LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
Data File : BN005362.D
Acq On : 29 Apr 2019 21:27
Operator : JU/SJ
Sample : K2455-22MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHS2MEDL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.293	388	392	402	rBV	160093	293011	2.30%	0.300%
2	5.628	444	449	452	rBV	152081	261861	2.06%	0.268%
3	6.769	638	643	650	rVV2	89939	170422	1.34%	0.175%
4	6.940	665	672	678	rBV	82996	125519	0.99%	0.129%
5	7.128	699	704	711	rVV	93673	150841	1.18%	0.155%
6	7.252	719	725	735	rVV2	431570	738504	5.80%	0.757%
7	7.334	735	739	746	rVB	96753	153156	1.20%	0.157%
8	7.593	776	783	793	rBV	1192930	1878823	14.75%	1.926%
9	7.705	795	802	809	rVV	77373	120459	0.95%	0.124%
10	8.116	862	872	883	rBV	1044925	1717186	13.48%	1.761%
11	8.293	897	902	910	rVB2	76941	142410	1.12%	0.146%
12	8.687	963	969	973	rBV	71771	119580	0.94%	0.123%
13	8.734	973	977	982	rBV	76869	120659	0.95%	0.124%
14	8.852	993	997	1006	rVV	105139	198165	1.56%	0.203%
15	9.263	1062	1067	1074	rVB2	73172	122228	0.96%	0.125%
16	9.340	1074	1080	1085	rBV	89961	135875	1.07%	0.139%
17	9.452	1089	1099	1105	rVV3	66140	142525	1.12%	0.146%
18	9.793	1147	1157	1163	rVV3	392748	867707	6.81%	0.890%
19	9.857	1163	1168	1172	rVV	299624	568238	4.46%	0.583%
20	9.899	1172	1175	1181	rVV	189957	311402	2.44%	0.319%
21	9.987	1184	1190	1197	rVV3	87739	196581	1.54%	0.202%
22	10.352	1244	1252	1256	rVV	1680119	2970340	23.32%	3.046%
23	10.404	1256	1261	1270	rVV	7765387	12736442	100.00%	13.059%
24	10.516	1270	1280	1288	rVV4	122630	410022	3.22%	0.420%
25	11.393	1417	1429	1433	rBV	81609	193433	1.52%	0.198%
26	11.546	1451	1455	1463	rVB	77118	141638	1.11%	0.145%
27	11.804	1493	1499	1506	rVV2	111299	205587	1.61%	0.211%
28	11.916	1514	1518	1525	rVB3	68192	134419	1.06%	0.138%
29	12.022	1525	1536	1546	rBV	6344212	9929451	77.96%	10.181%
30	12.246	1562	1574	1584	rBV	2817471	4632810	36.37%	4.750%
31	13.051	1705	1711	1725	rVB2	435823	747675	5.87%	0.767%
32	13.245	1738	1744	1756	rVB	313025	686832	5.39%	0.704%
33	13.381	1758	1767	1769	rBV	939200	1499779	11.78%	1.538%
34	13.545	1785	1795	1800	rBV	1151668	2097926	16.47%	2.151%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
Data File : BN005362.D
Acq On : 29 Apr 2019 21:27
Operator : JU/SJ
Sample : K2455-22MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHS2MEDL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	13.598	1800	1804	1808	rVV	714291	1027661	8.07%	1.054%
36	13.640	1808	1811	1814	rVV	245173	381747	3.00%	0.391%
37	13.675	1814	1817	1824	rVB	592311	839903	6.59%	0.861%
38	13.781	1829	1835	1839	rBV	545982	851379	6.68%	0.873%
39	13.916	1852	1858	1859	rBV	291986	433479	3.40%	0.444%
40	13.945	1859	1863	1871	rVB2	1018023	1586525	12.46%	1.627%
41	14.222	1901	1910	1917	rVV3	2349985	4089374	32.11%	4.193%
42	14.287	1917	1921	1924	rVV2	192338	279039	2.19%	0.286%
43	14.316	1924	1926	1931	rVB	146438	184803	1.45%	0.189%
44	14.445	1941	1948	1958	rBV	151319	357636	2.81%	0.367%
45	14.628	1970	1979	1987	rBV	261101	542328	4.26%	0.556%
46	14.710	1987	1993	1997	rVB	212039	292922	2.30%	0.300%
47	14.834	2008	2014	2021	rBV3	280915	593731	4.66%	0.609%
48	14.904	2021	2026	2030	rVB	144936	192859	1.51%	0.198%
49	14.998	2037	2042	2044	rBV2	102274	146306	1.15%	0.150%
50	15.104	2056	2060	2065	rVB2	173607	255107	2.00%	0.262%
51	15.222	2074	2080	2085	rVB2	530141	761312	5.98%	0.781%
52	15.281	2085	2090	2096	rBV	909270	1343050	10.54%	1.377%
53	15.487	2120	2125	2135	rVB3	76576	198865	1.56%	0.204%
54	15.575	2135	2140	2144	rBV	109662	193632	1.52%	0.199%
55	15.692	2155	2160	2164	rBV2	247467	381304	2.99%	0.391%
56	15.728	2164	2166	2174	rVB3	71435	134028	1.05%	0.137%
57	15.969	2200	2207	2211	rBV4	69497	119041	0.93%	0.122%
58	16.287	2247	2261	2265	rBV2	214910	531728	4.17%	0.545%
59	16.334	2265	2269	2275	rVB	204607	301018	2.36%	0.309%
60	16.434	2282	2286	2292	rBV3	111285	171977	1.35%	0.176%
61	16.645	2318	2322	2328	rVB3	93916	150065	1.18%	0.154%
62	16.792	2339	2347	2353	rBV	174529	307195	2.41%	0.315%
63	16.981	2370	2379	2382	rBV2	3033145	4496709	35.31%	4.611%
64	17.022	2382	2386	2391	rVV	3140308	4467844	35.08%	4.581%
65	17.075	2391	2395	2398	rVV2	416956	640715	5.03%	0.657%
66	17.110	2398	2401	2407	rVV	612673	858010	6.74%	0.880%
67	17.175	2407	2412	2418	rVV4	71703	138365	1.09%	0.142%
68	17.504	2463	2468	2472	rBV	81485	120457	0.95%	0.124%
69	17.563	2473	2478	2484	rVB2	89281	153383	1.20%	0.157%
70	17.857	2522	2528	2532	rBV	696126	964218	7.57%	0.989%
71	17.904	2532	2536	2545	rVV	792669	1121376	8.80%	1.150%

LSC Area Percent Report

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Acq On : 29 Apr 2019 21:27
Operator : JU/SJ
Sample : K2455-22MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHS2MEDL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	17.986	2545	2550	2555	rVV	205716	305947	2.40%	0.314%
73	18.051	2555	2561	2565	rVV2	599476	1124154	8.83%	1.153%
74	18.086	2565	2567	2574	rVB	349222	466444	3.66%	0.478%
75	18.369	2610	2615	2622	rVB	280573	385903	3.03%	0.396%
76	18.786	2681	2686	2691	rBV3	196035	340626	2.67%	0.349%
77	18.851	2691	2697	2700	rBV3	111503	214734	1.69%	0.220%
78	19.051	2725	2731	2739	rBV	787286	1122208	8.81%	1.151%
79	19.204	2753	2757	2761	rVB	232445	301700	2.37%	0.309%
80	19.392	2783	2789	2790	rVV2	536329	728239	5.72%	0.747%
81	19.416	2790	2793	2804	rVB	1166154	1633791	12.83%	1.675%
82	19.751	2846	2850	2861	rVB2	106131	208668	1.64%	0.214%
83	19.892	2869	2874	2875	rBV4	87201	117955	0.93%	0.121%
84	19.922	2876	2879	2885	rVB	245181	352446	2.77%	0.361%
85	20.027	2892	2897	2903	rBV	238271	331375	2.60%	0.340%
86	20.086	2903	2907	2911	rVB	143460	181724	1.43%	0.186%
87	20.227	2926	2931	2934	rVV	102906	159022	1.25%	0.163%
88	20.275	2934	2939	2947	rVB2	164181	297386	2.33%	0.305%
89	21.204	3090	3097	3102	rBV	4215776	6043170	47.45%	6.196%
90	21.239	3102	3103	3113	rVB	416200	521466	4.09%	0.535%
91	21.757	3188	3191	3196	rVV3	105184	150563	1.18%	0.154%
92	21.822	3197	3202	3207	rVB5	115575	193157	1.52%	0.198%
93	21.980	3227	3229	3236	rVB3	120450	148837	1.17%	0.153%
94	22.280	3277	3280	3287	rVB3	143815	210840	1.66%	0.216%
95	22.780	3357	3365	3373	rVB3	268790	651955	5.12%	0.668%
96	23.263	3442	3447	3451	rBV	330340	554513	4.35%	0.569%
97	23.304	3451	3454	3456	rBV	120363	156437	1.23%	0.160%
98	23.404	3464	3471	3483	rVB	2894155	5433521	42.66%	5.571%
99	23.963	3562	3566	3572	rVB	202470	346521	2.72%	0.355%
100	24.686	3685	3689	3697	rVB2	157185	316395	2.48%	0.324%

Sum of corrected areas: 97530294

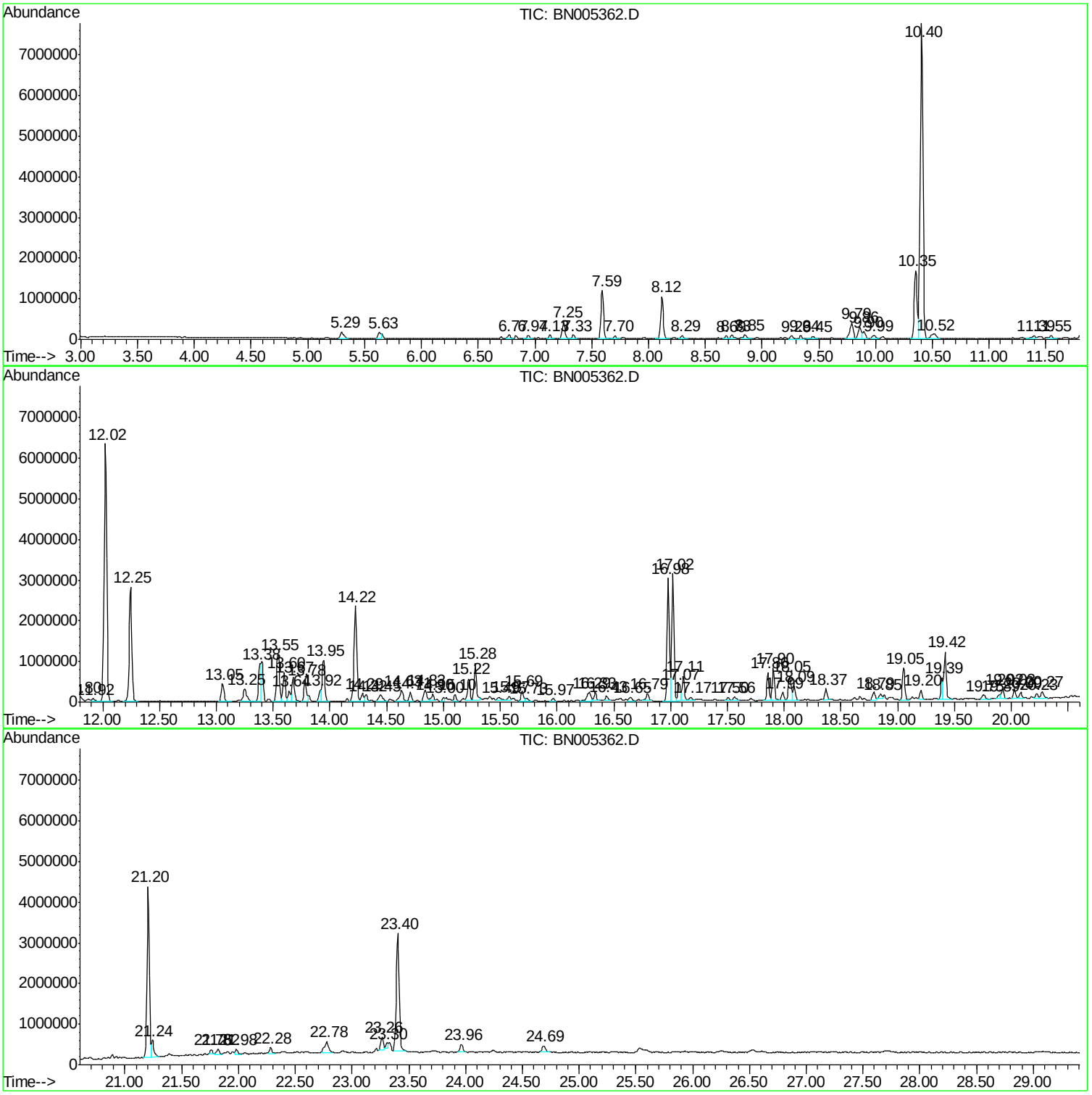
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
Data File : BN005362.D
Acq On : 29 Apr 2019 21:27
Operator : JU/SJ
Sample : K2455-22MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHS2MEDL

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

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
Data File : BN005362.D
Acq On : 29 Apr 2019 21:27
Operator : JU/SJ
Sample : K2455-22MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHS2MEDL

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

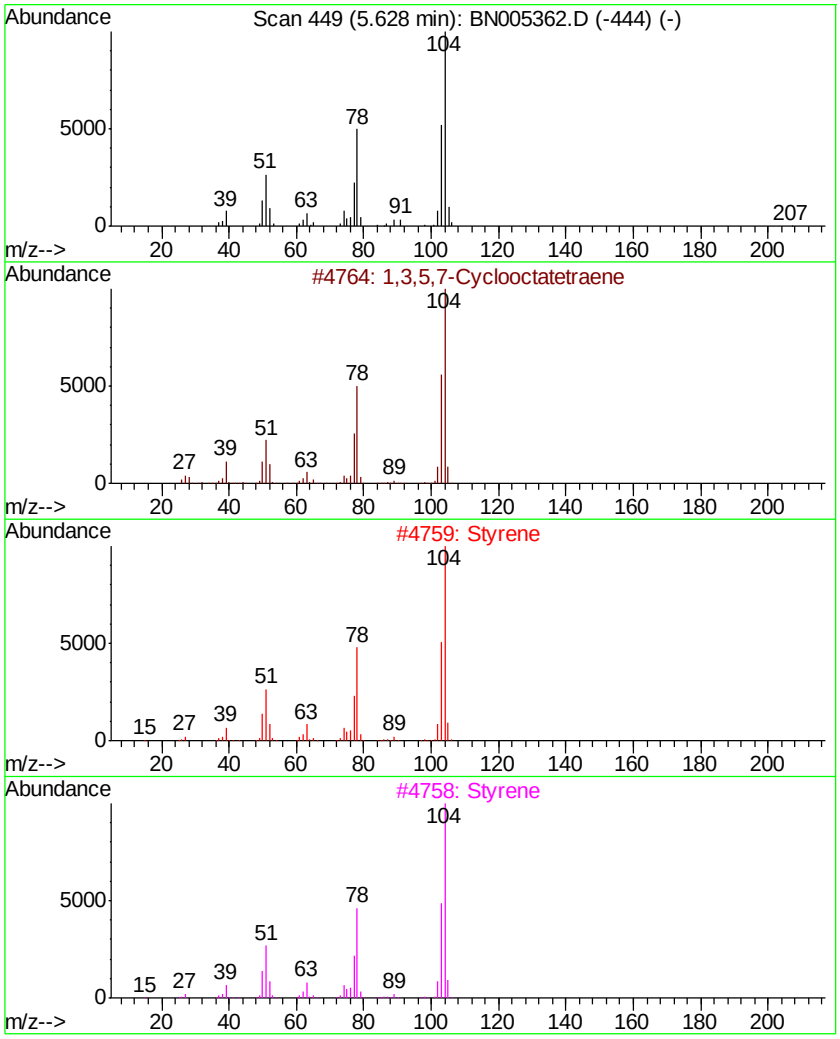
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

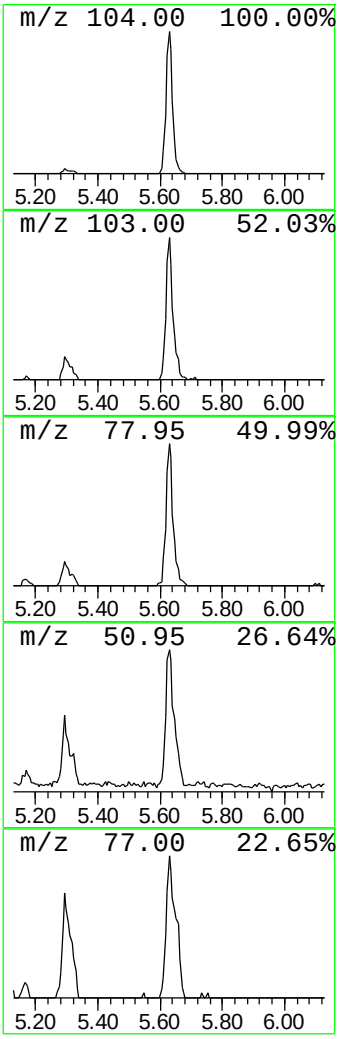
****

Peak Number 2 1,3,5,7-Cyclooctatetraene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	2.79 ng/ul	261861	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	97
2	Styrene	104	C8H8	000100-42-5	96
3	Styrene	104	C8H8	000100-42-5	96
4	Styrene	104	C8H8	000100-42-5	95
5	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
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Acq On : 29 Apr 2019 21:27
Operator : JU/SJ
Sample : K2455-22MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHS2MEDL

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

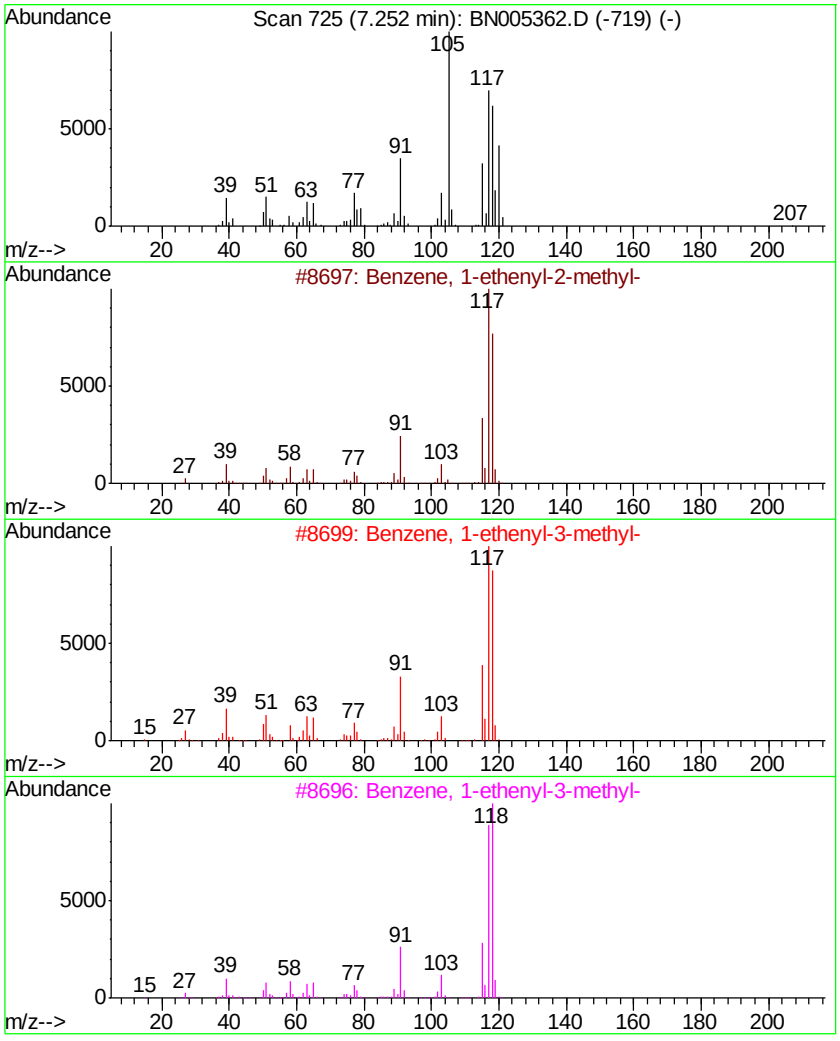
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

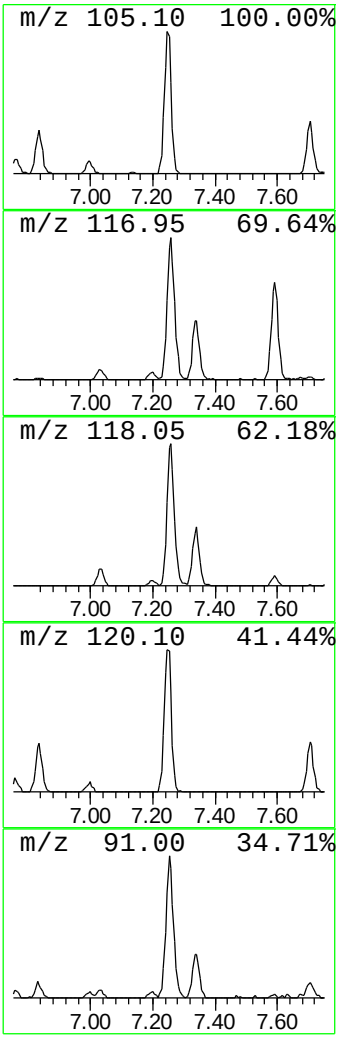
****

Peak Number 3 Benzene, 1-ethenyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	7.86 ng/ul	738504	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	89
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	64
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, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	50





Library Search Compound Report

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Acq On : 29 Apr 2019 21:27
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Sample : K2455-22MEDL 10X
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Instrument : BNA_N
ClientSampleId : GAHS2MEDL

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

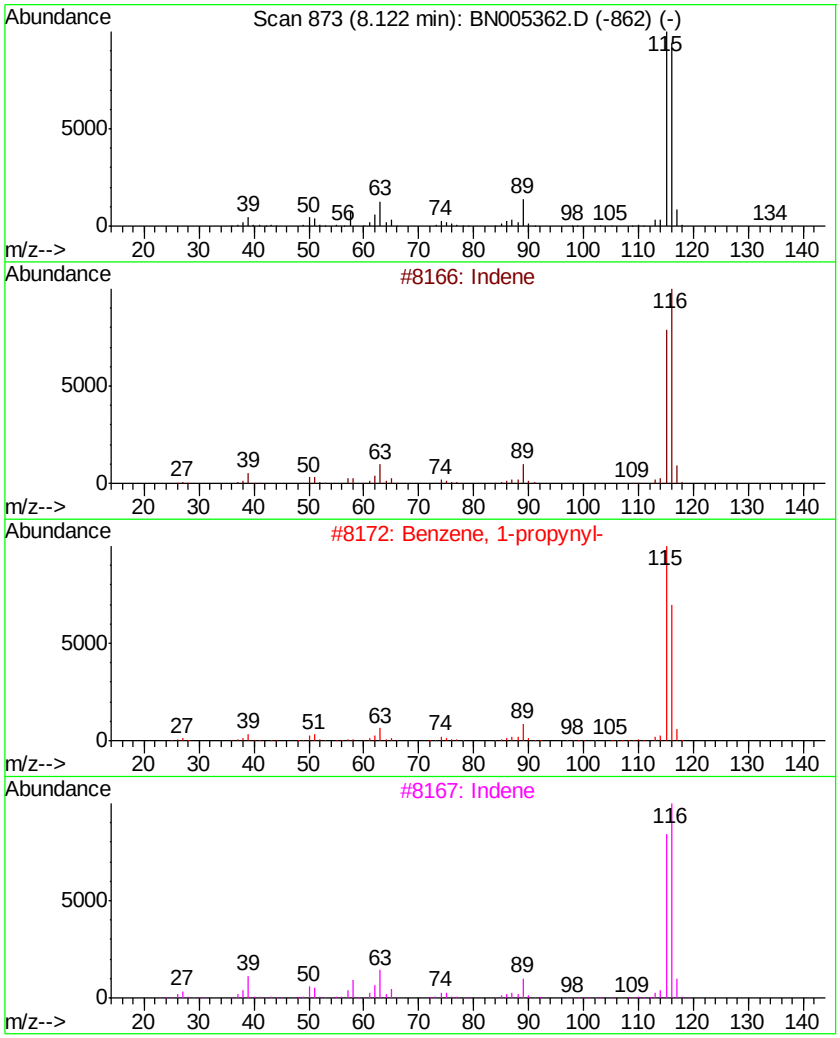
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

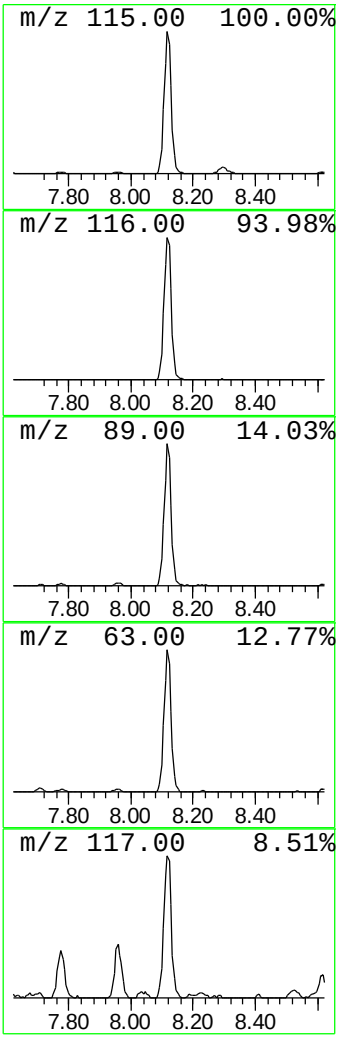
****

Peak Number 4 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	18.28 ng/ul	1717190	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	Indene	116	C9H8	000095-13-6	94
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





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Sample : K2455-22MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHS2MEDL

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

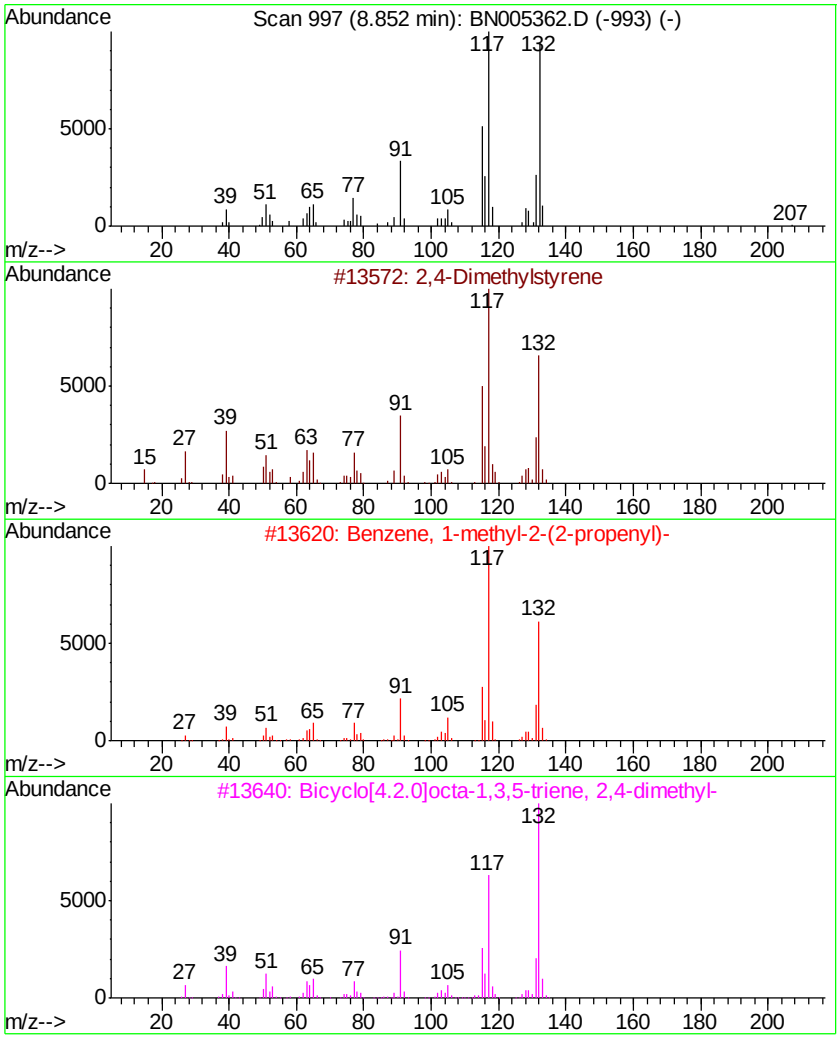
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

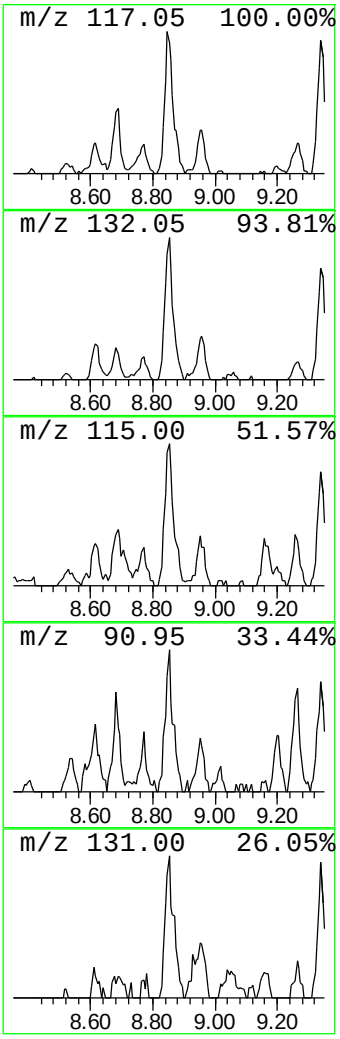
****

Peak Number 5 2,4-Dimethylstyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	2.11 ng/ul	198165	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	94
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	93
5	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	93





Library Search Compound Report

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Acq On : 29 Apr 2019 21:27
Operator : JU/SJ
Sample : K2455-22MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHS2MEDL

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

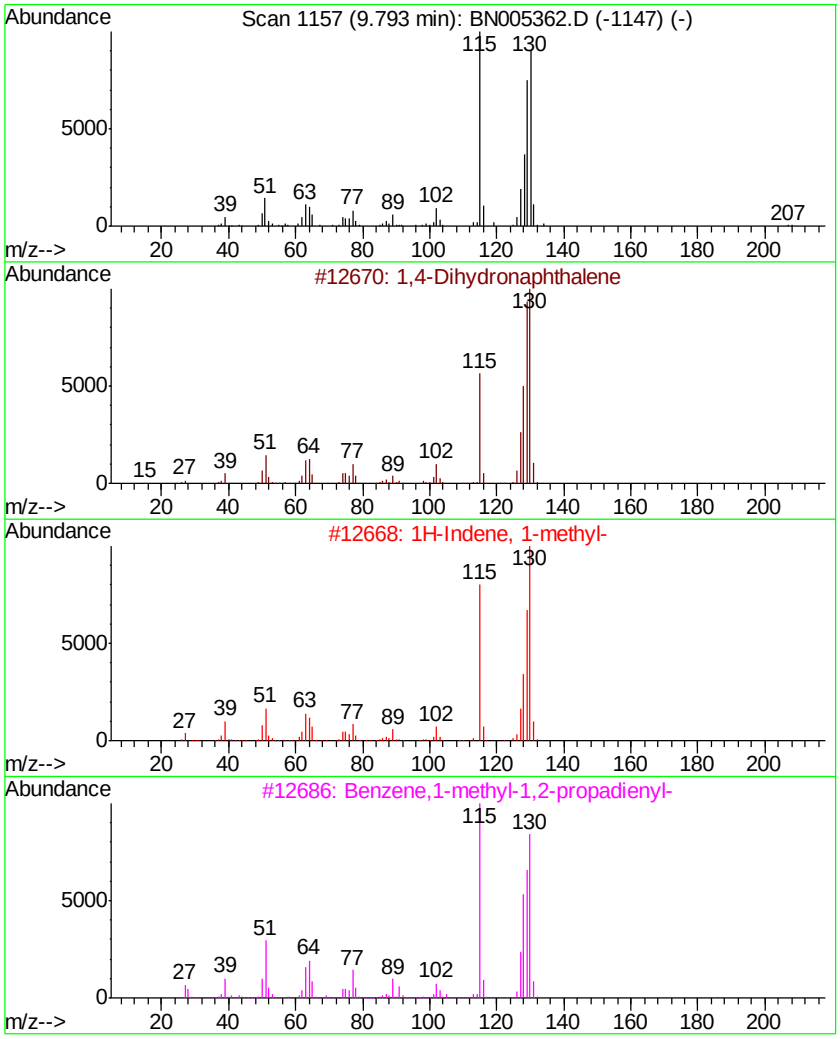
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

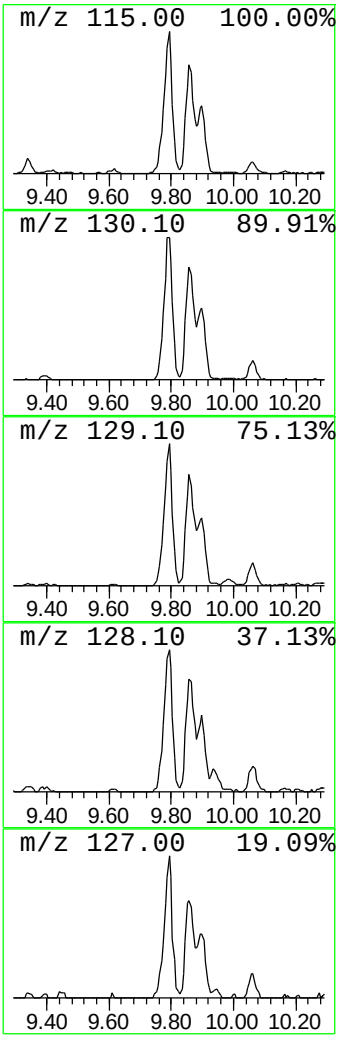
****

Peak Number 6 1,4-Dihydronaphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	5.84 ng/ul	867707	Naphthalene-d8	10.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
4	2-Methylindene	130	C10H10	002177-47-1	93
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93





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Acq On : 29 Apr 2019 21:27
Operator : JU/SJ
Sample : K2455-22MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHS2MEDL

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Quant Title : SVOA CALIBRATION

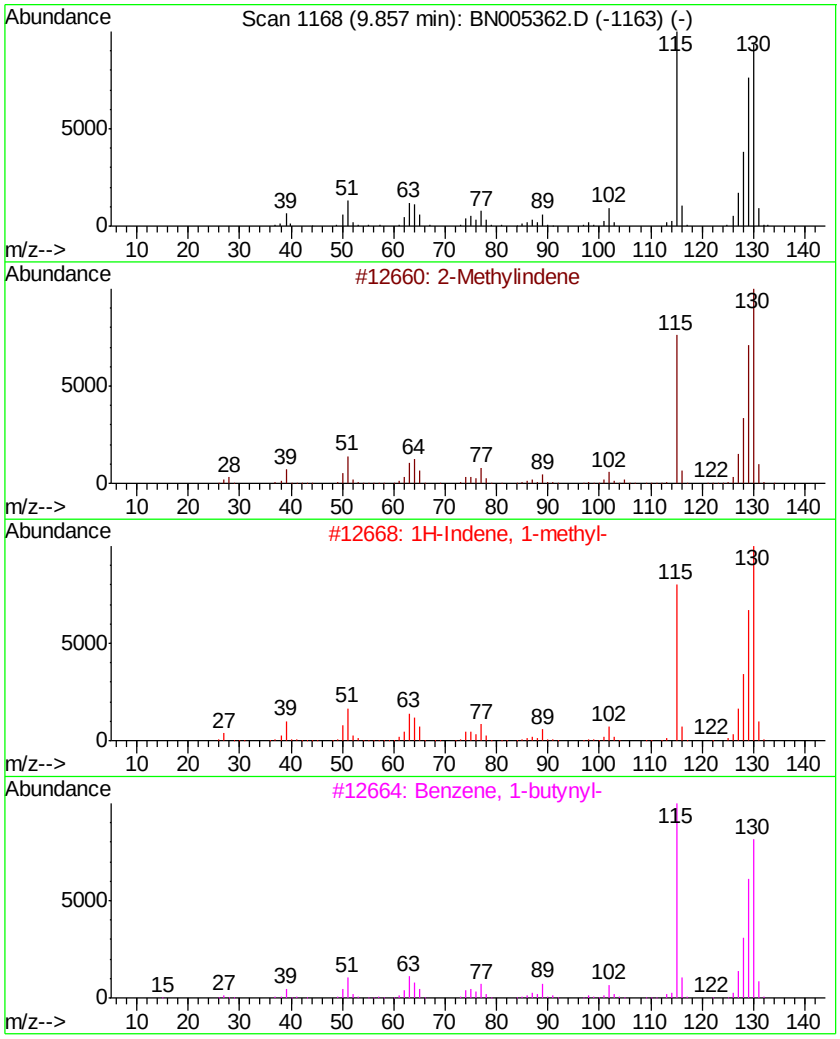
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

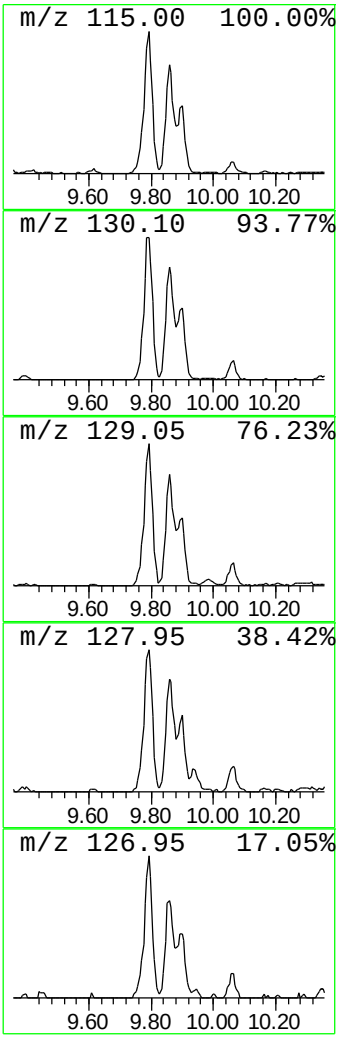
****

Peak Number 7 2-Methylindene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	3.83 ng/ul	568238	Naphthalene-d8	10.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	94
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94





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ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId : GAHS2MEDL

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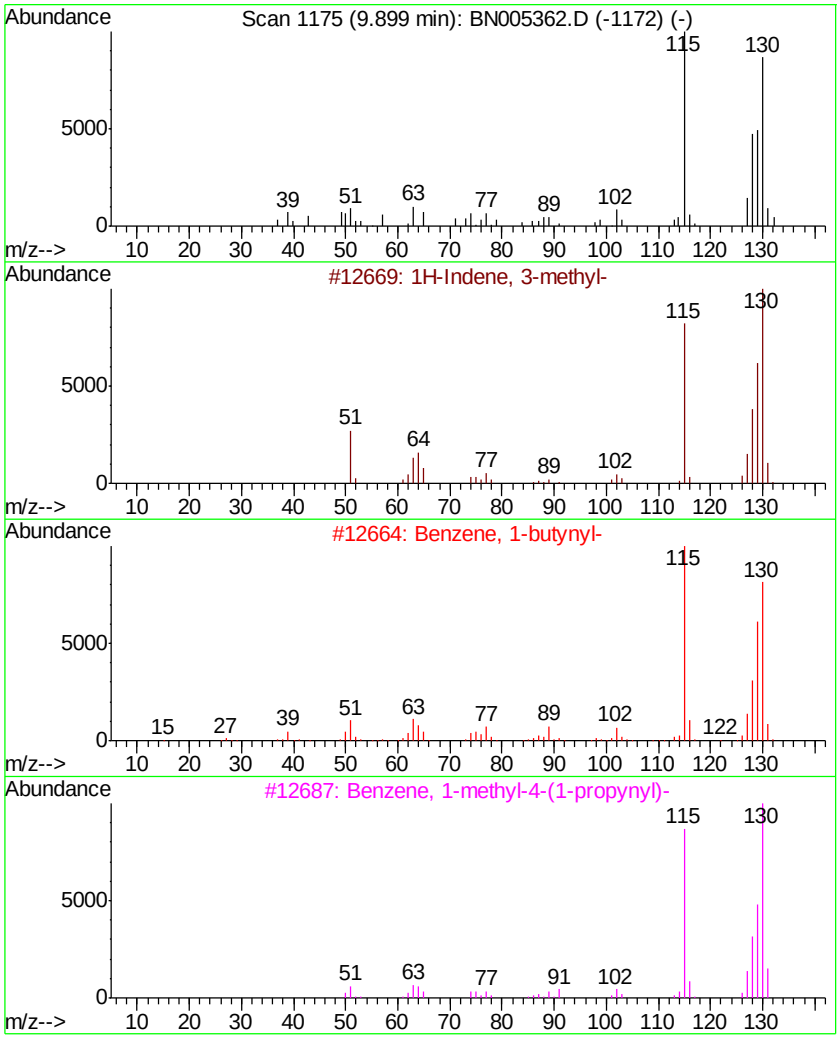
Quant Title : SVOA CALIBRATION

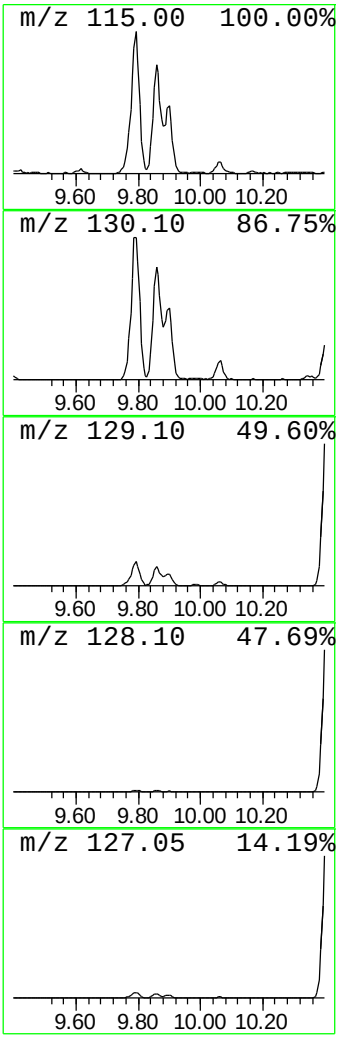
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Indene, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	2.10 ng/ul	311402	Naphthalene-d8	10.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	74
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	72
3	Benzene, 1-methyl-4-(1-propynyl)-	130	C10H10	002749-93-1	68
4	2-Methylindene	130	C10H10	002177-47-1	68
5	Benzene, 1,3-diethenyl-	130	C10H10	000108-57-6	59





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Misc :
ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId : GAHS2MEDL

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Quant Title : SVOA CALIBRATION

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

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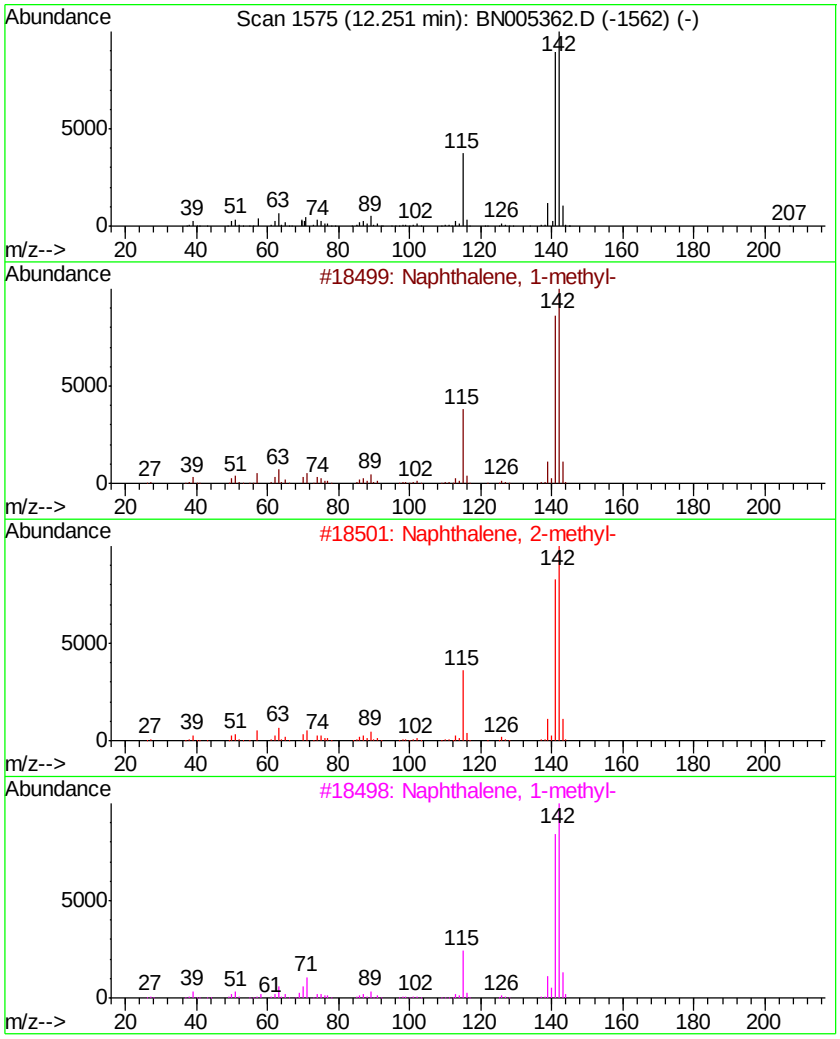
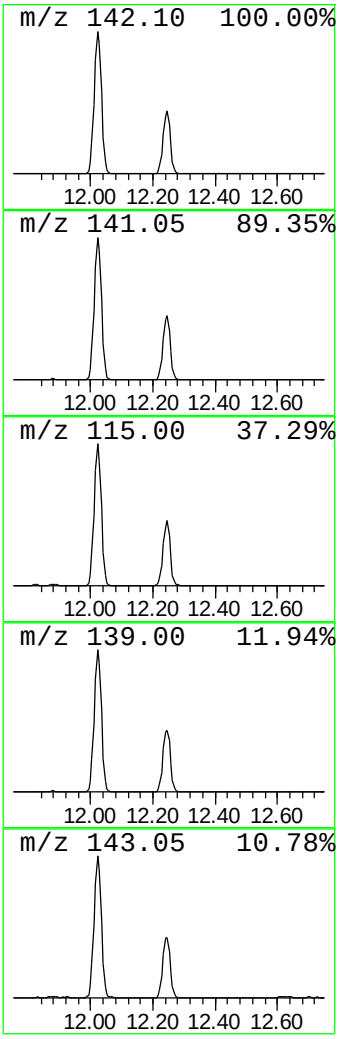
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	31.19 ng/ul	4632810	Naphthalene-d8	10.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





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Operator : JU/SJ
Sample : K2455-22MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHS2MEDL

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Quant Title : SVOA CALIBRATION

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

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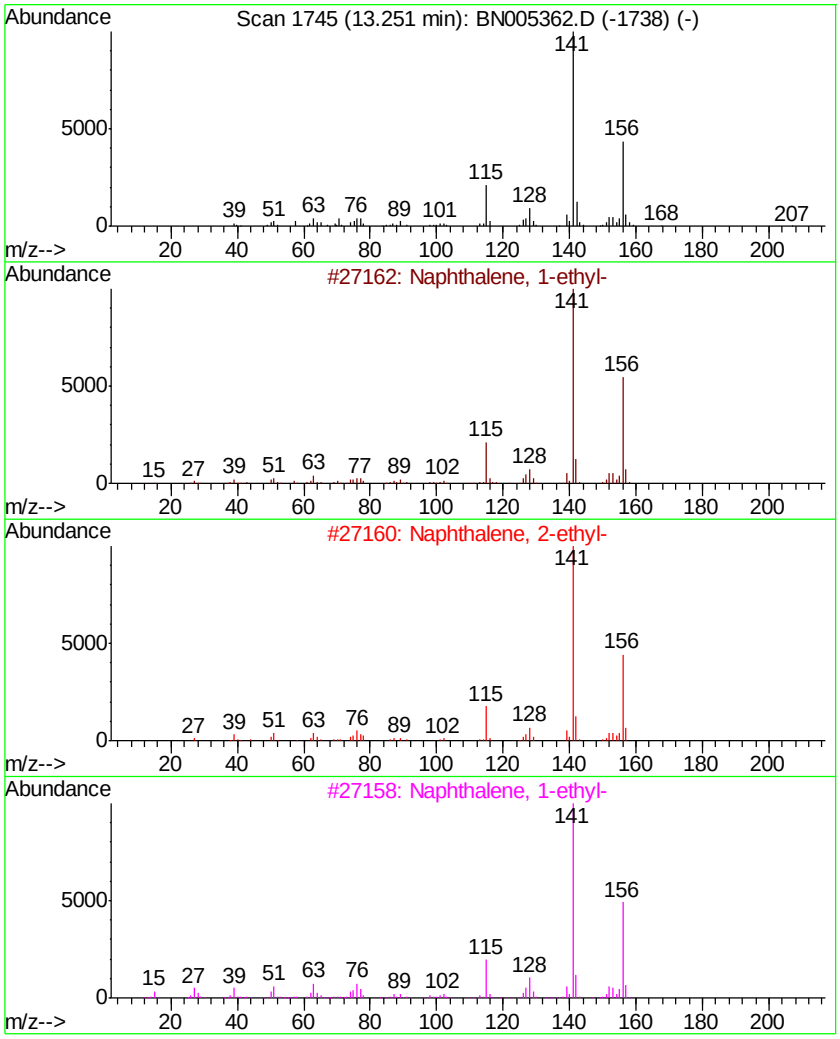
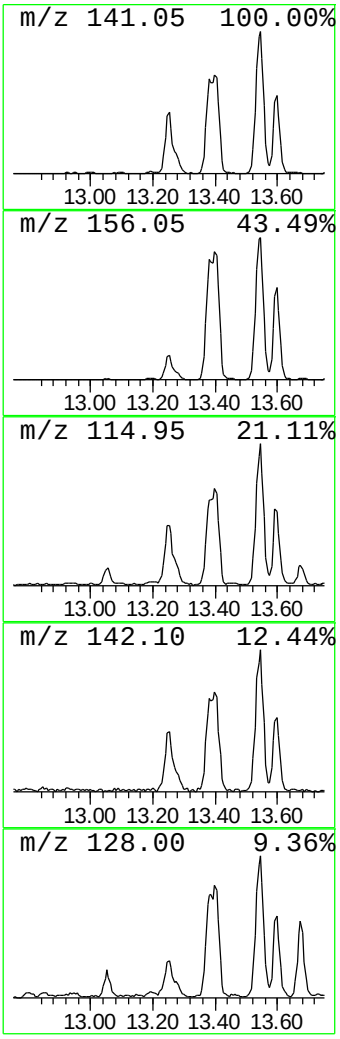
Peak Number 10 Naphthalene, 1-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	3.36 ng/ul	686832	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





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Sample : K2455-22MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHS2MEDL

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Quant Title : SVOA CALIBRATION

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

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Peak Number 11 Naphthalene, 2,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	7.34 ng/ul	1499780	Acenaphthene-d10	14.22

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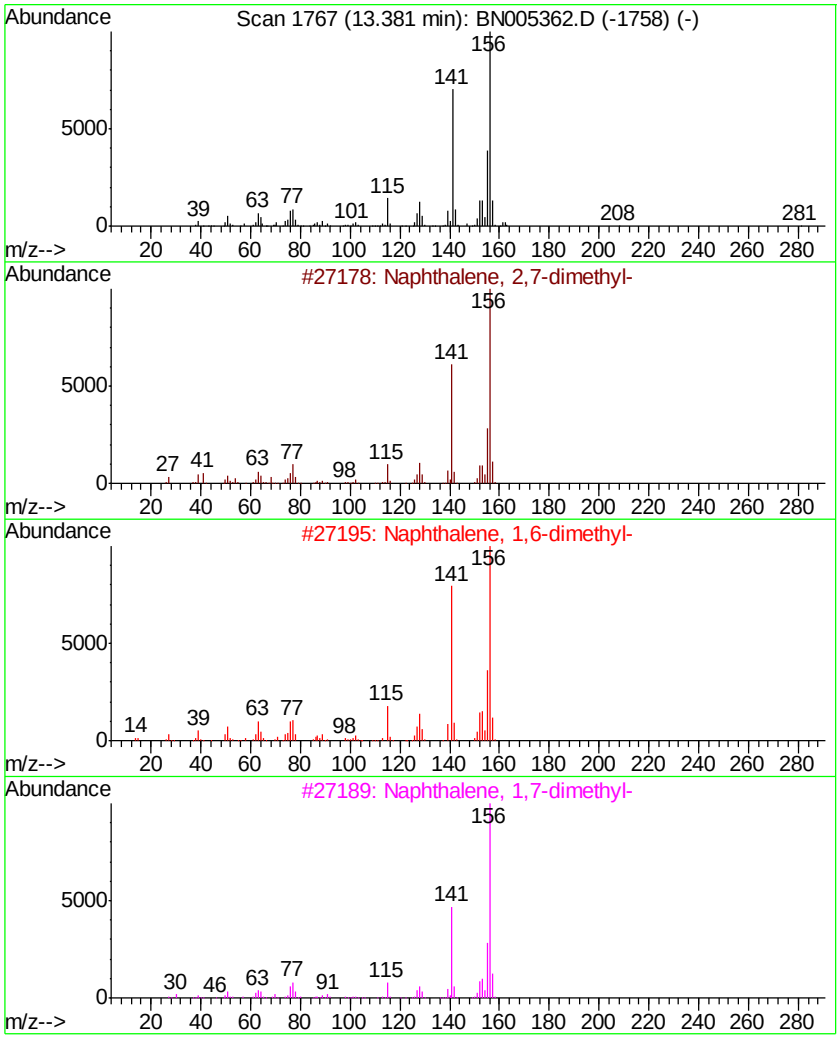

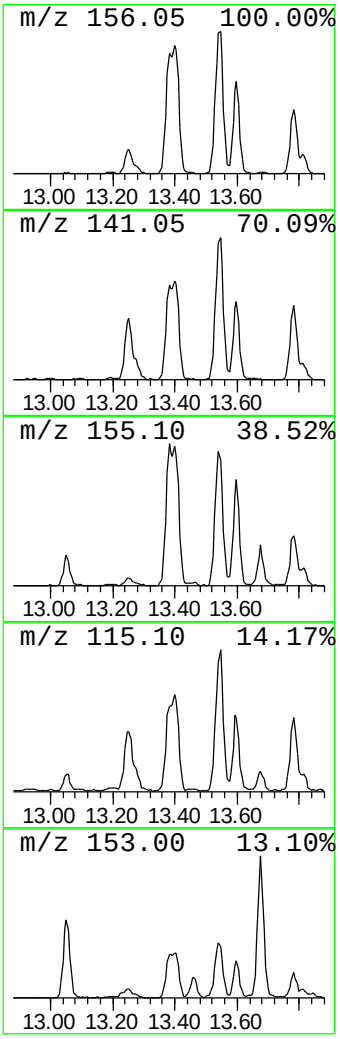

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Operator : JU/SJ
Sample : K2455-22MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHS2MEDL

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

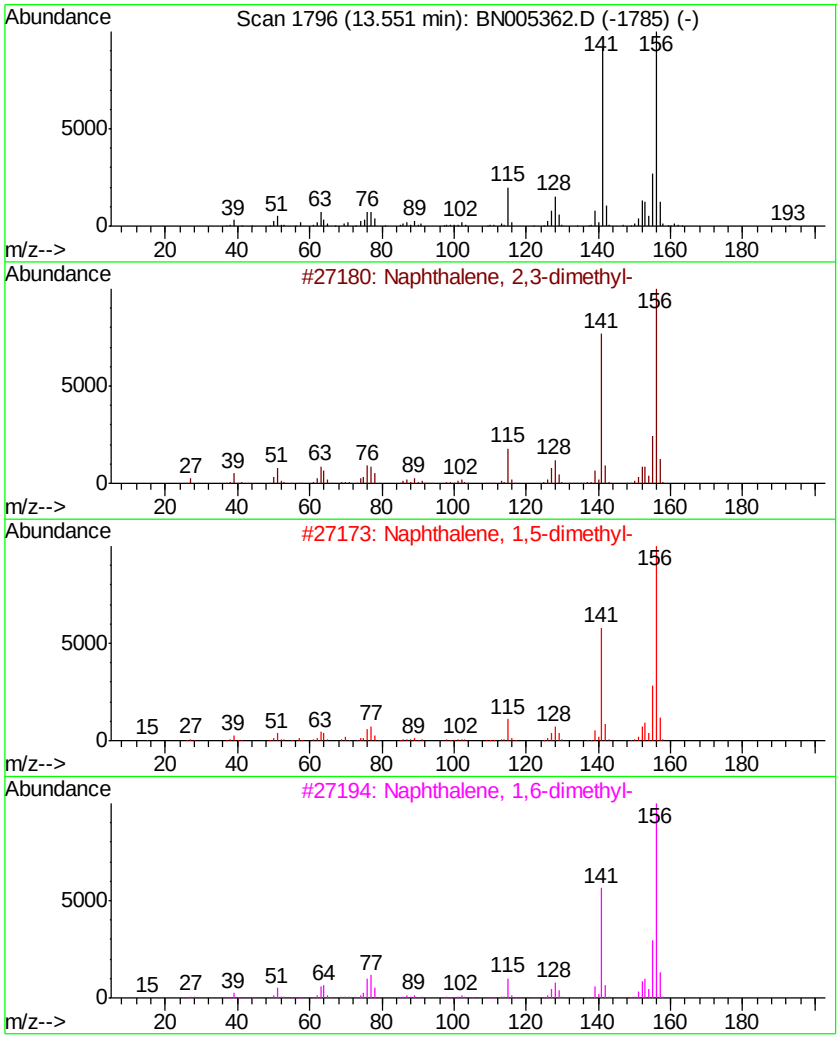
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

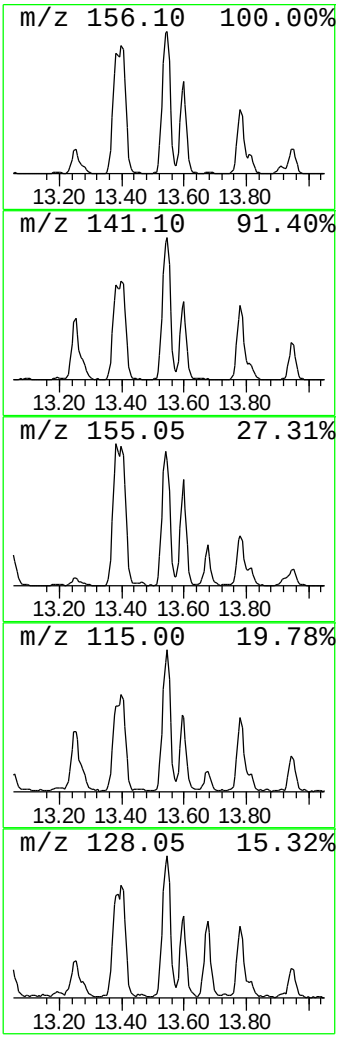
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	10.26 ng/ul	2097930	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





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Operator : JU/SJ
Sample : K2455-22MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHS2MEDL

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Quant Title : SVOA CALIBRATION

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

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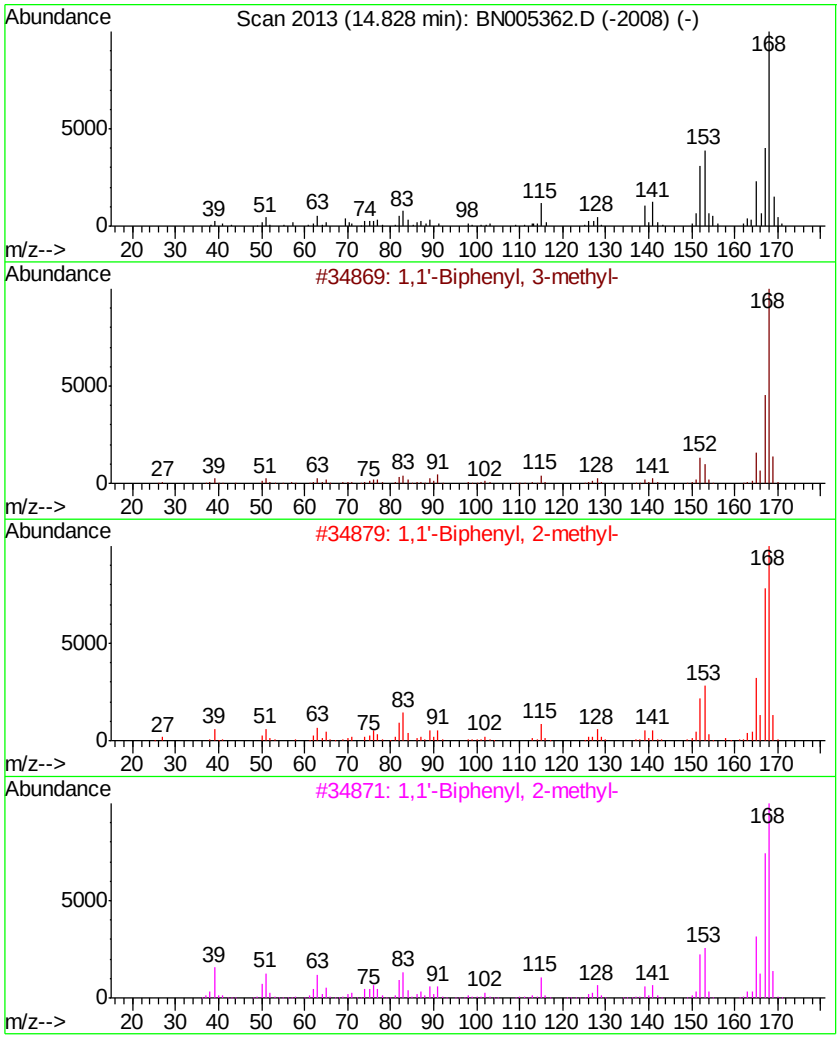
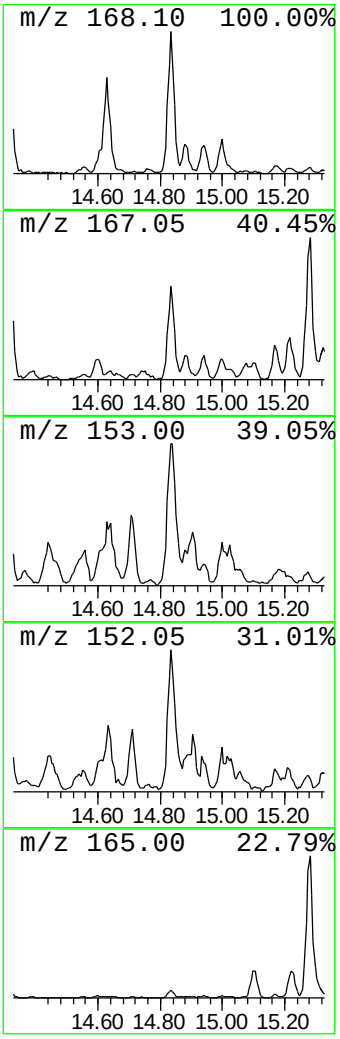
Peak Number 14 1,1'-Biphenyl, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	2.90 ng/ul	593731	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	72
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	60
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	52
5	Diphenylmethane	168	C13H12	000101-81-5	49





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Sample : K2455-22MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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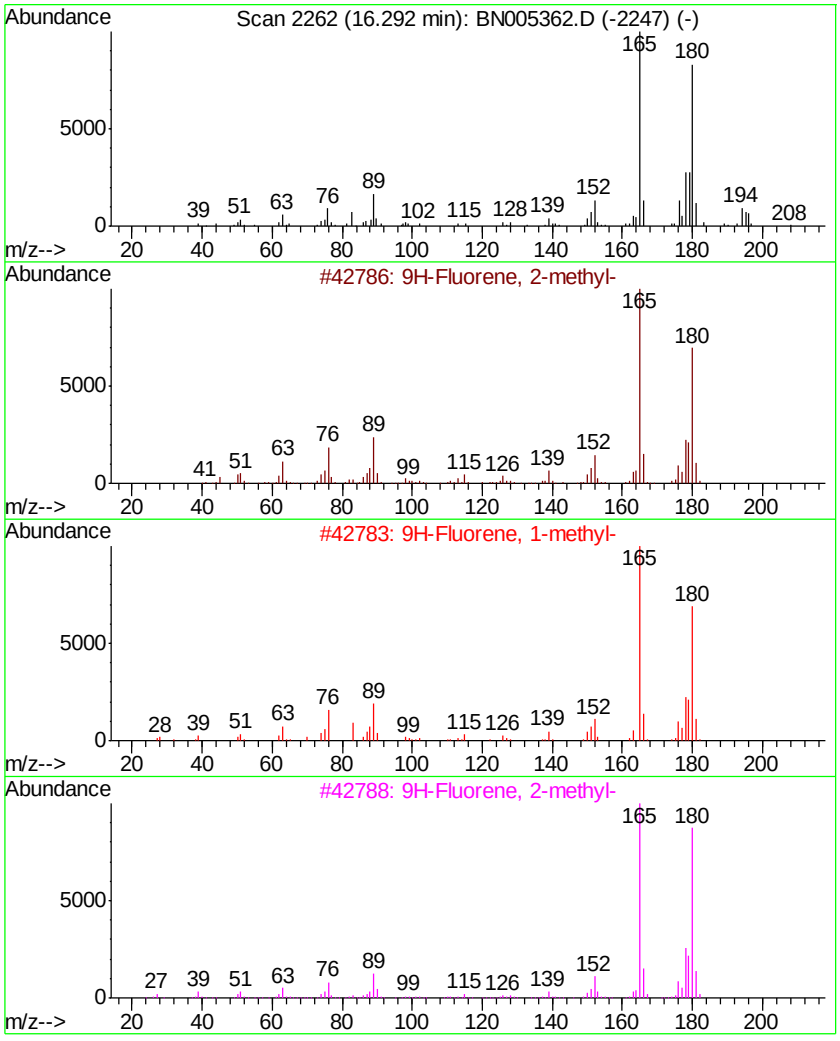
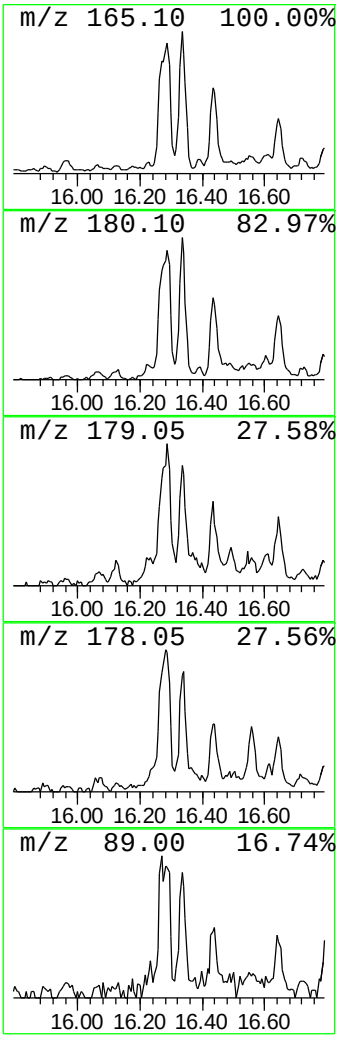
Peak Number 15 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	2.36 ng/ul	531728	Phenanthrene-d10	16.98

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, 2-methyl-	180	C14H12	001430-97-3	96
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95





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Misc :
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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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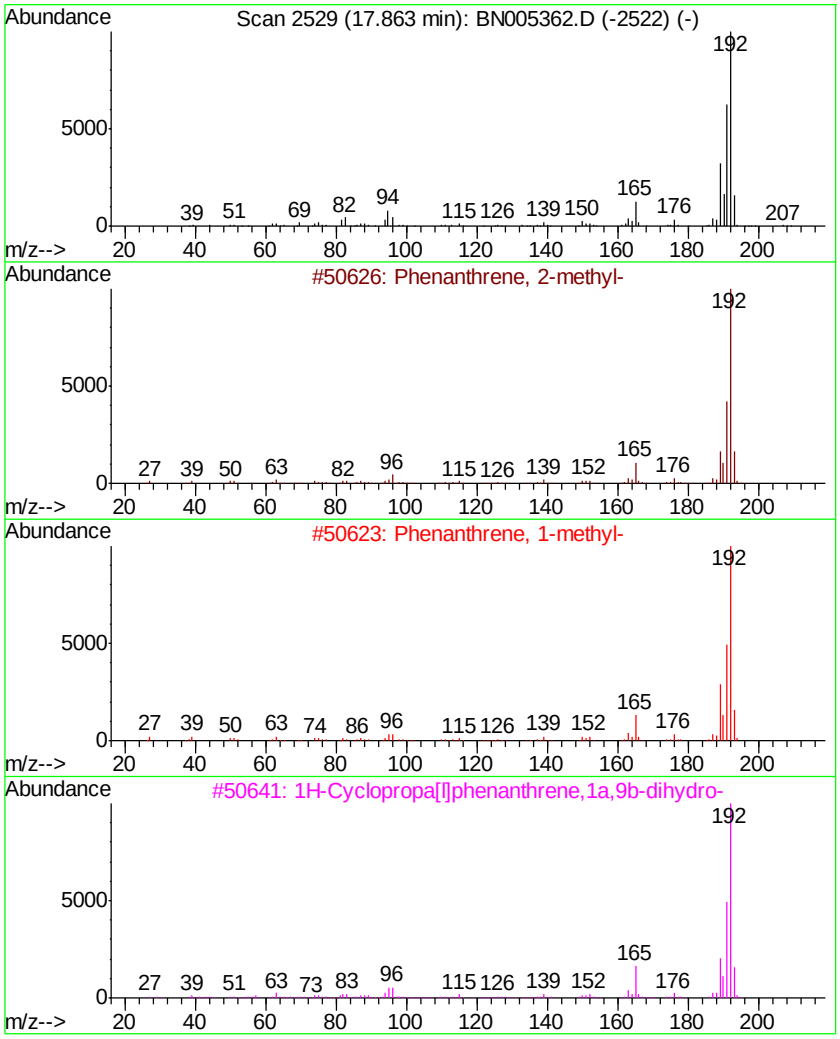
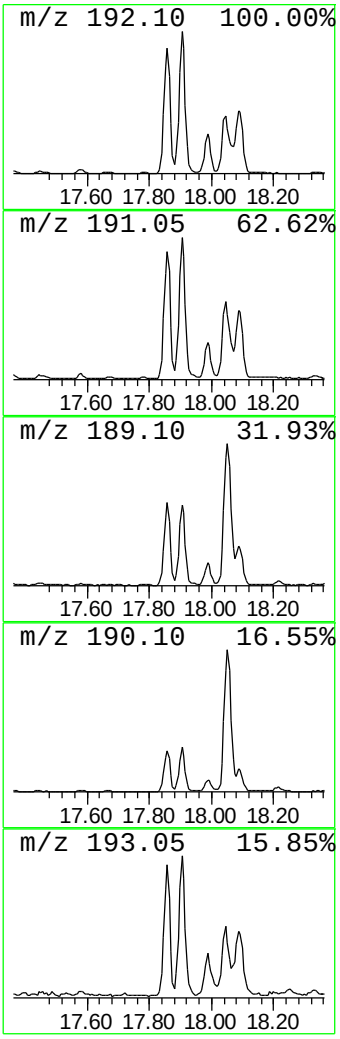
Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	4.29 ng/ul	964218	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Misc :
ALS Vial : 12 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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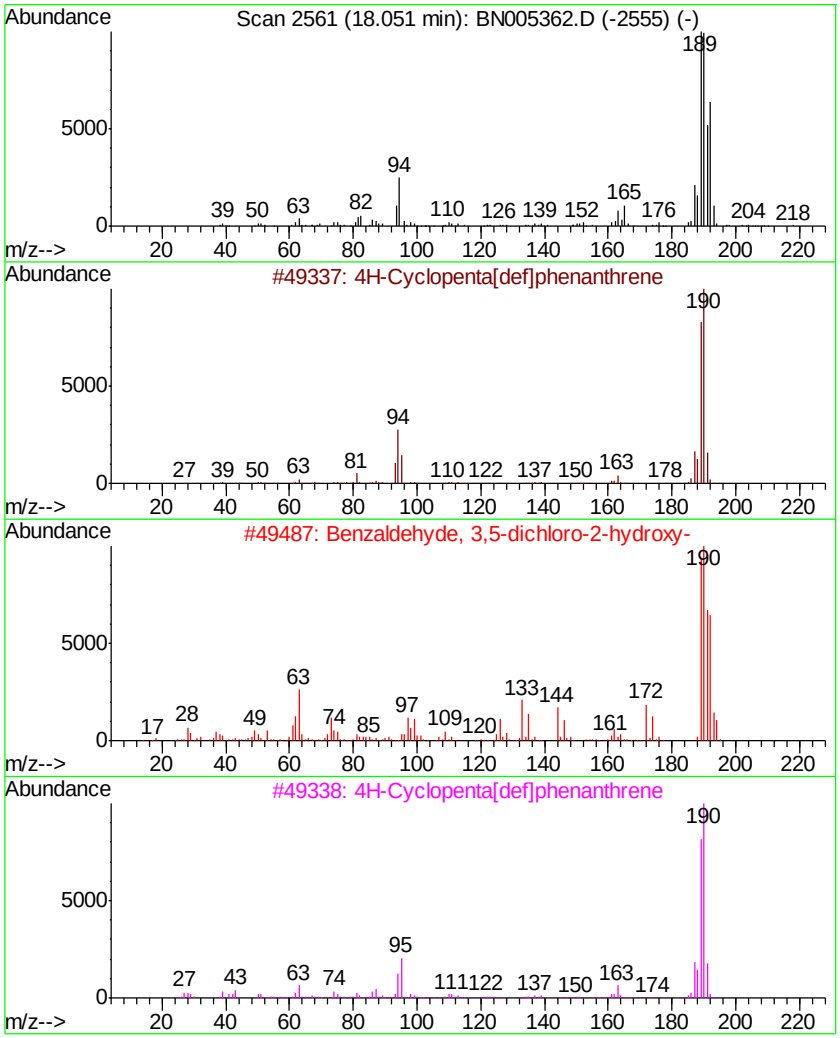
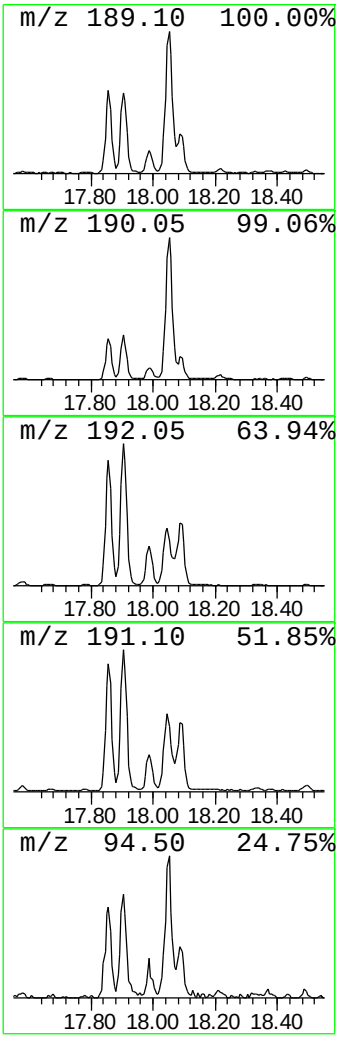
Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	5.00 ng/ul	1124150	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	38





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHS2MEDL

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Quant Title : SVOA CALIBRATION

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

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Peak Number 19 Phenanthrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	2.07 ng/ul	466444	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
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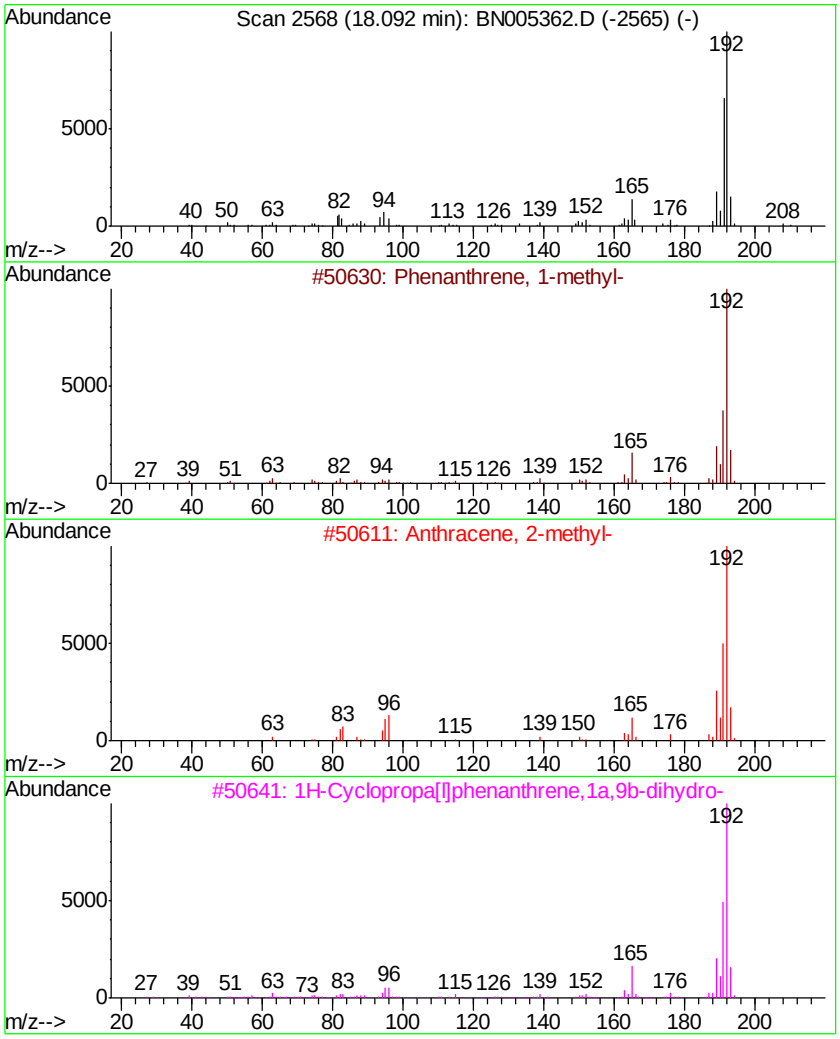

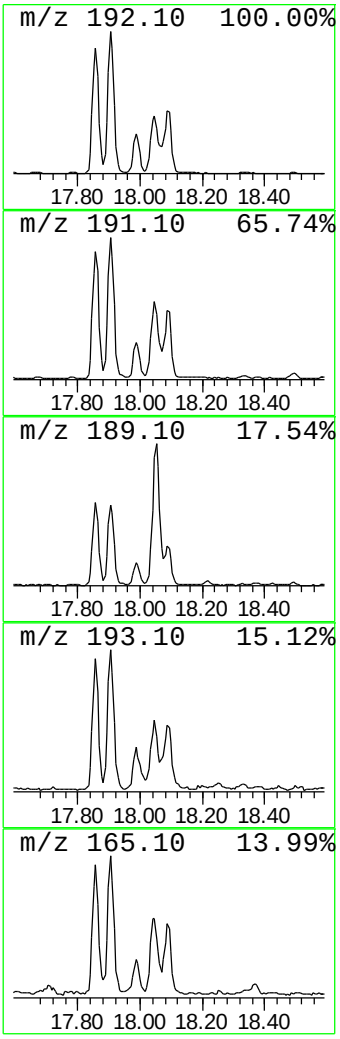

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Sample : K2455-22MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHS2MEDL

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

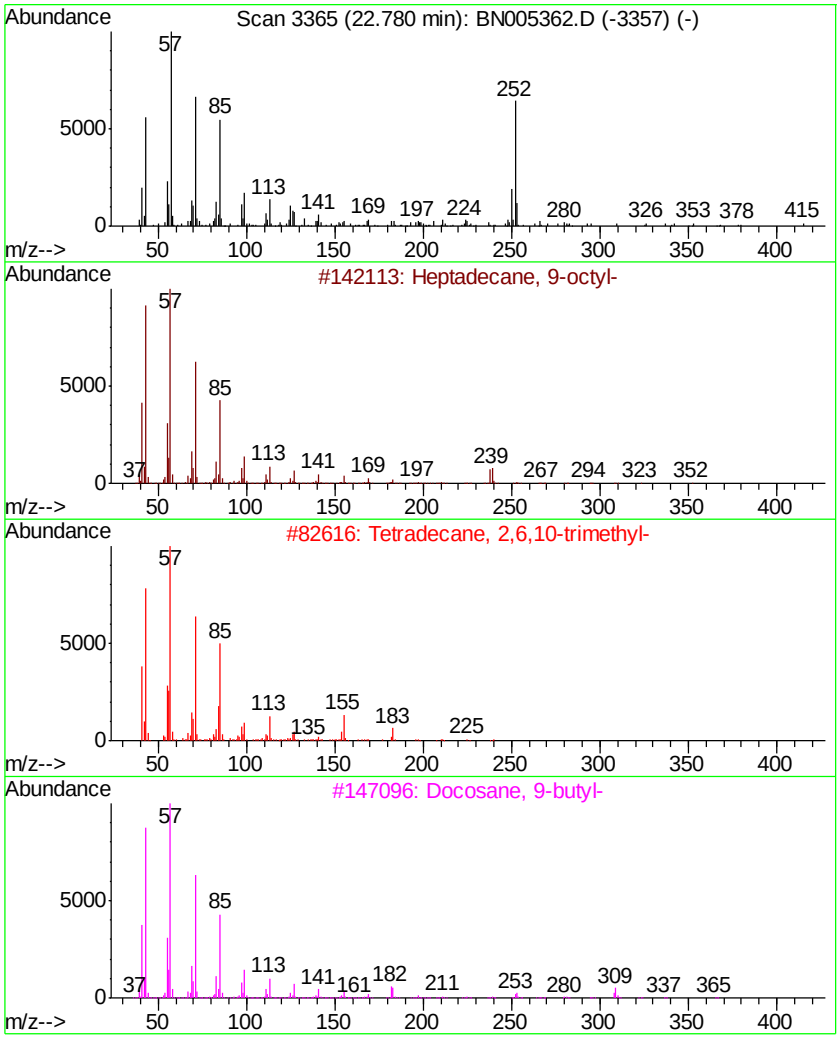
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

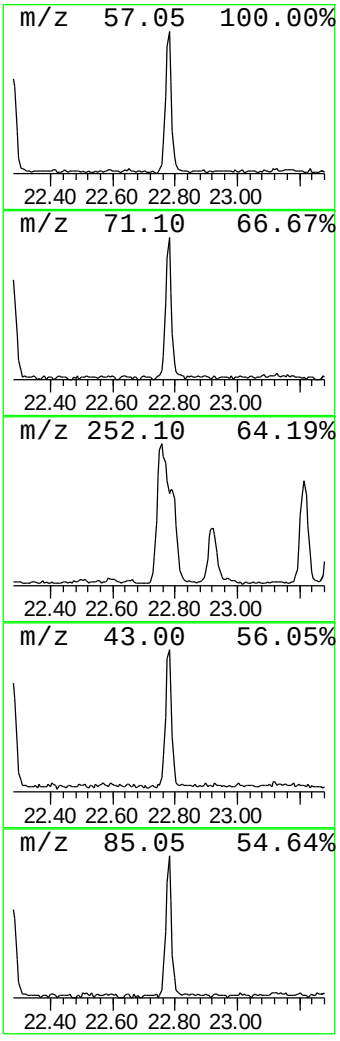
****

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.78	2.40 ng/ul	651955	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
2	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	78
3	Docosane, 9-butyl-	366	C26H54	055282-14-9	78
4	Docosane, 9-butyl-	366	C26H54	055282-14-9	70
5	Heneicosane	296	C21H44	000629-94-7	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042919\
Data File : BN005362.D
Acq On : 29 Apr 2019 21:27
Operator : JU/SJ
Sample : K2455-22MEDL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHS2MEDL

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1,3,5,7-Cycloocta...	5.63	2.8	ng/ul	261861	1	7.59	1878820	20.0
Benzene, 1-etheny...	7.25	7.9	ng/ul	738504	1	7.59	1878820	20.0
Indene	8.12	18.3	ng/ul	1717190	1	7.59	1878820	20.0
2,4-Dimethylstyrene	8.85	2.1	ng/ul	198165	1	7.59	1878820	20.0
1,4-Dihydronaphth...	9.79	5.8	ng/ul	867707	2	10.35	2970340	20.0
2-Methylindene	9.86	3.8	ng/ul	568238	2	10.35	2970340	20.0
1H-Indene, 3-methyl-	9.90	2.1	ng/ul	311402	2	10.35	2970340	20.0
Naphthalene, 1-me...	12.25	31.2	ng/ul	4632810	2	10.35	2970340	20.0
Naphthalene, 1-et...	13.25	3.4	ng/ul	686832	3	14.22	4089370	20.0
Naphthalene, 2,7-...	13.38	7.3	ng/ul	1499780	3	14.22	4089370	20.0
Naphthalene, 2,3-...	13.55	10.3	ng/ul	2097930	3	14.22	4089370	20.0
1,1'-Biphenyl, 3-...	14.83	2.9	ng/ul	593731	3	14.22	4089370	20.0
9H-Fluorene, 2-me...	16.29	2.4	ng/ul	531728	4	16.98	4496710	20.0
Phenanthrene, 2-m...	17.86	4.3	ng/ul	964218	4	16.98	4496710	20.0
4H-Cyclopenta[def...	18.05	5.0	ng/ul	1124150	4	16.98	4496710	20.0
Phenanthrene, 1-m...	18.09	2.1	ng/ul	466444	4	16.98	4496710	20.0
(DEL) Alkane: Str...	22.78	2.4	ng/ul	651955	6	23.40	5433520	20.0