LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
Data File : BN005360.D
Acq On : 29 Apr 2019 20:18
Operator : JU/SJ
Sample : K2455-11MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1MEDL

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	6.775	638	644	649	rVV2	66800	116679	1.59%	0.163%
2	7.128	700	704	712	rVB	62602	97951	1.34%	0.137%
3	7.252	718	725	733	rVV2	259912	460667	6.30%	0.643%
4	7.340	733	740	747	rVB	56323	91022	1.24%	0.127%
5	7.593	773	783	793	rBV	962015	1535513	20.99%	2.142%
6	8.122	867	873	880	rVV	172351	300222	4.10%	0.419%
7	8.299	897	903	912	rVB	54091	101767	1.39%	0.142%
8	8.687	963	969	972	rVV3	67791	108832	1.49%	0.152%
9	8.734	972	977	988	rVV3	65253	151948	2.08%	0.212%
10	8.852	993	997	1005	rVV	90860	171196	2.34%	0.239%
11	9.263	1061	1067	1074	rVB	66524	117011	1.60%	0.163%
12	9.340	1074	1080	1085	rBV2	76334	120295	1.64%	0.168%
13	9.451	1091	1099	1105	rVB4	49819	95627	1.31%	0.133%
14	9.793	1142	1157	1163	rBV3	236152	585166	8.00%	0.816%
15	9.857	1163	1168	1172	rVV2	215159	420839	5.75%	0.587%
16	9.899	1172	1175	1184	rVV	140230	246778	3.37%	0.344%
17	9.987	1185	1190	1197	rVV2	72880	148085	2.02%	0.207%
18	10.063	1198	1203	1215	rVB5	44752	97345	1.33%	0.136%
19	10.351	1243	1252	1256	rVV	1514938	2502194	34.20%	3.490%
20	10.404	1256	1261	1270	rVV	1911487	3281241	44.84%	4.577%
21	10.504	1270	1278	1287	rVV4	64456	203815	2.79%	0.284%
22	11.293	1403	1412	1417	rBV7	40280	97098	1.33%	0.135%
23	11.398	1424	1430	1433	rVV2	74138	135648	1.85%	0.189%
24	11.440	1433	1437	1444	rVV6	46847	128492	1.76%	0.179%
25	11.551	1451	1456	1464	rVB2	72168	137536	1.88%	0.192%
26	11.675	1468	1477	1483	rBV7	33003	102148	1.40%	0.142%
27	11.740	1483	1488	1494	rVV2	136050	249799	3.41%	0.348%
28	11.798	1494	1498	1506	rVV2	116394	219587	3.00%	0.306%
29	11.875	1506	1511	1515	rVV5	42852	93765	1.28%	0.131%
30	11.916	1515	1518	1526	rVB4	51164	95320	1.30%	0.133%
31	12.022	1528	1536	1545	rBV	4311642	7316968	100.00%	10.206%
32	12.245	1563	1574	1585	rBV	1969659	3323749	45.43%	4.636%
33	13.057	1704	1712	1721	rBV2	314784	596840	8.16%	0.833%
34	13.251	1738	1745	1757	rVB	422355	906792	12.39%	1.265%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
Data File : BN005360.D
Acq On : 29 Apr 2019 20:18
Operator : JU/SJ
Sample : K2455-11MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1MEDL

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	13.381	1757	1767	1769	rBV	1079313	1709312	23.36%	2.384%
36	13.540	1787	1794	1800	rBV	1241019	2210568	30.21%	3.083%
37	13.598	1800	1804	1808	rVV	671539	886157	12.11%	1.236%
38	13.640	1808	1811	1813	rVV	132261	155355	2.12%	0.217%
39	13.675	1813	1817	1824	rVB	627875	934036	12.77%	1.303%
40	13.781	1829	1835	1839	rBV	563224	877330	11.99%	1.224%
41	13.945	1851	1863	1871	rBV3	940067	1813782	24.79%	2.530%
42	14.151	1894	1898	1901	rBV	73107	97480	1.33%	0.136%
43	14.228	1902	1911	1917	rVV3	2220810	3949119	53.97%	5.508%
44	14.287	1917	1921	1924	rVV2	171529	256770	3.51%	0.358%
45	14.322	1924	1927	1931	rVB2	143269	184913	2.53%	0.258%
46	14.445	1941	1948	1956	rBV	189924	463749	6.34%	0.647%
47	14.634	1970	1980	1986	rBV2	285827	608812	8.32%	0.849%
48	14.710	1987	1993	1998	rVB	241433	339561	4.64%	0.474%
49	14.834	2007	2014	2020	rBV2	343700	676468	9.25%	0.944%
50	14.904	2022	2026	2030	rVB	169167	211390	2.89%	0.295%
51	14.998	2037	2042	2044	rBV2	107183	160638	2.20%	0.224%
52	15.104	2055	2060	2066	rVB2	211568	318655	4.36%	0.444%
53	15.169	2066	2071	2075	rBV2	77542	150413	2.06%	0.210%
54	15.222	2075	2080	2085	rVB3	482933	701334	9.59%	0.978%
55	15.281	2085	2090	2096	rBV	609223	988991	13.52%	1.379%
56	15.404	2108	2111	2115	rVB3	81166	95505	1.31%	0.133%
57	15.492	2121	2126	2135	rVB7	63574	173575	2.37%	0.242%
58	15.575	2135	2140	2144	rBV2	115726	196361	2.68%	0.274%
59	15.692	2155	2160	2164	rBV2	121020	198158	2.71%	0.276%
60	15.728	2164	2166	2174	rVB2	84944	148272	2.03%	0.207%
61	15.969	2200	2207	2211	rBV5	81209	153686	2.10%	0.214%
62	16.286	2253	2261	2266	rVV2	185304	457974	6.26%	0.639%
63	16.333	2266	2269	2275	rVV	206910	306047	4.18%	0.427%
64	16.433	2282	2286	2292	rVB3	100227	158605	2.17%	0.221%
65	16.645	2318	2322	2329	rVB4	60844	97832	1.34%	0.136%
66	16.798	2344	2348	2352	rVB	124820	168022	2.30%	0.234%
67	16.981	2372	2379	2382	rBV2	2869992	4128878	56.43%	5.759%
68	17.022	2382	2386	2391	rVV	2348296	3280943	44.84%	4.576%
69	17.075	2391	2395	2398	rVV2	323640	500619	6.84%	0.698%
70	17.110	2398	2401	2407	rVV	360712	514652	7.03%	0.718%
71	17.180	2407	2413	2417	rVV3	70061	132558	1.81%	0.185%

LSC Area Percent Report

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Data File : BN005360.D
Acq On : 29 Apr 2019 20:18
Operator : JU/SJ
Sample : K2455-11MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1MEDL

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	17.563	2474	2478	2484	rVB4	63622	104888	1.43%	0.146%
73	17.704	2499	2502	2509	rVB3	48527	94013	1.28%	0.131%
74	17.857	2523	2528	2532	rBV	543587	765357	10.46%	1.068%
75	17.904	2532	2536	2545	rVV	585393	866753	11.85%	1.209%
76	17.986	2545	2550	2555	rVV	132632	196737	2.69%	0.274%
77	18.051	2555	2561	2565	rVV2	423858	798718	10.92%	1.114%
78	18.086	2565	2567	2574	rVB	279170	376439	5.14%	0.525%
79	18.369	2610	2615	2619	rBV	200727	263474	3.60%	0.368%
80	18.616	2649	2657	2662	rBV3	69995	142413	1.95%	0.199%
81	18.792	2681	2687	2692	rBV3	171101	347916	4.75%	0.485%
82	18.851	2692	2697	2700	rVV4	87386	158141	2.16%	0.221%
83	18.880	2700	2702	2706	rVB	90336	94772	1.30%	0.132%
84	19.051	2726	2731	2737	rBV	401701	597407	8.16%	0.833%
85	19.204	2753	2757	2762	rVB	186651	254111	3.47%	0.354%
86	19.392	2784	2789	2791	rBV	415343	635590	8.69%	0.887%
87	19.416	2791	2793	2805	rVV	627262	846519	11.57%	1.181%
88	19.751	2846	2850	2860	rVB3	77085	162023	2.21%	0.226%
89	19.898	2870	2875	2876	rBV3	70998	103016	1.41%	0.144%
90	19.927	2876	2880	2885	rVB	166084	246938	3.37%	0.344%
91	20.027	2893	2897	2900	rBV	152082	196438	2.68%	0.274%
92	20.086	2903	2907	2911	rVB2	98924	128802	1.76%	0.180%
93	20.274	2935	2939	2945	rVB2	105365	170398	2.33%	0.238%
94	21.210	3091	3098	3102	rBV	3608077	5175945	70.74%	7.220%
95	21.763	3189	3192	3196	rVB2	77284	91536	1.25%	0.128%
96	22.286	3278	3281	3286	rVB3	146621	192791	2.63%	0.269%
97	23.268	3443	3448	3453	rBV2	244408	450374	6.16%	0.628%
98	23.404	3465	3471	3481	rVB	2624797	4792035	65.49%	6.684%
99	23.968	3563	3567	3576	rVB2	192649	368836	5.04%	0.514%
100	24.692	3687	3690	3698	rVB3	157340	305614	4.18%	0.426%

Sum of corrected areas: 71692449

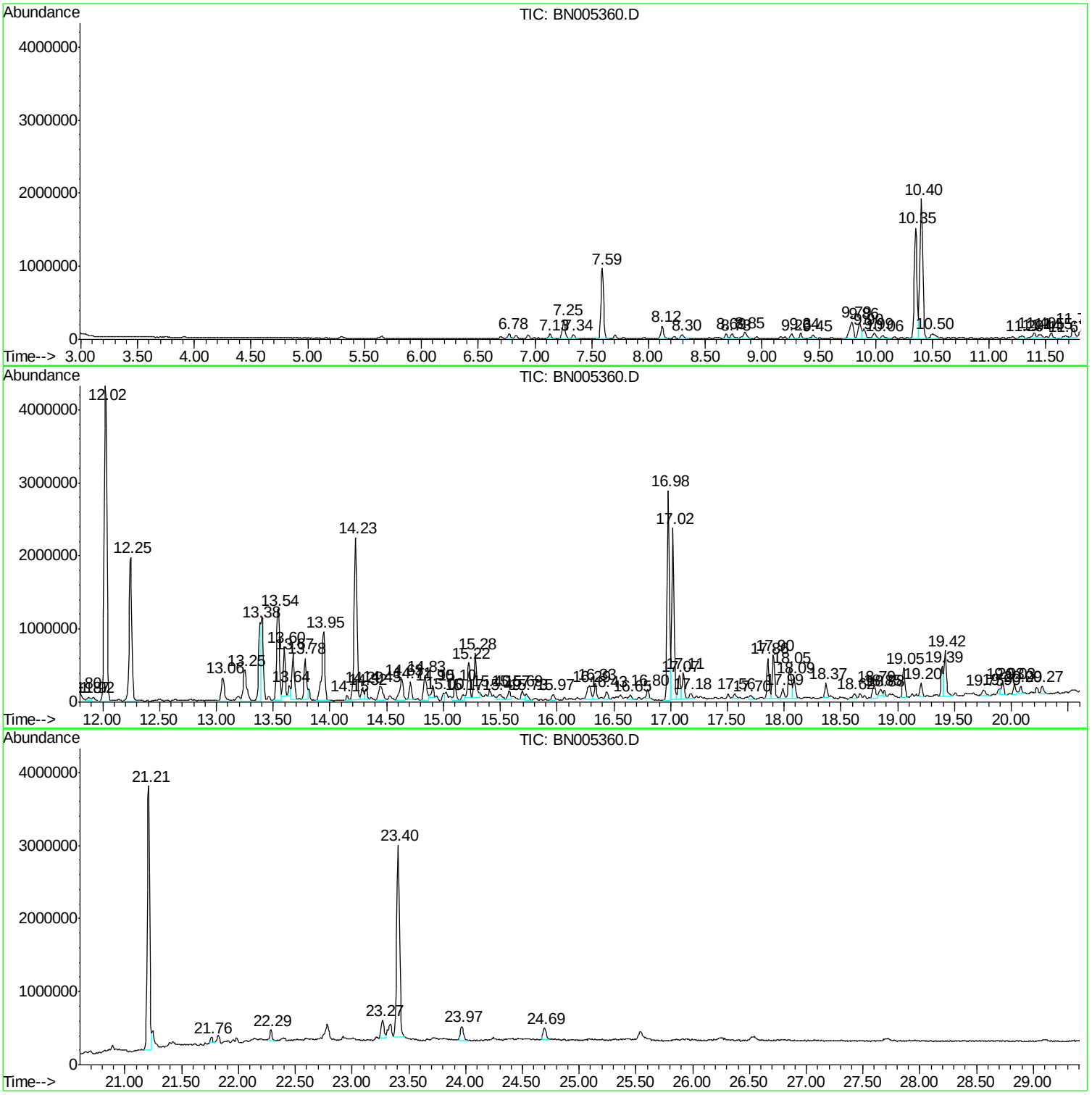
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
Data File : BN005360.D
Acq On : 29 Apr 2019 20:18
Operator : JU/SJ
Sample : K2455-11MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1MEDL

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
Data File : BN005360.D
Acq On : 29 Apr 2019 20:18
Operator : JU/SJ
Sample : K2455-11MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1MEDL

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

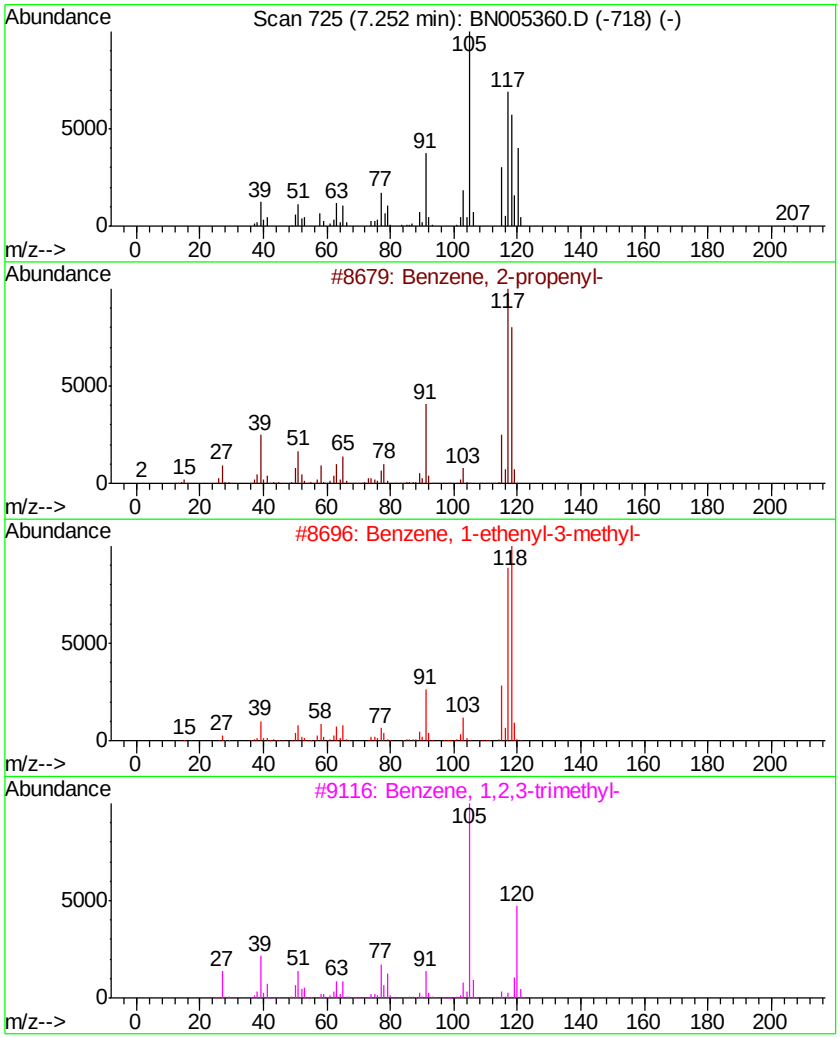
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

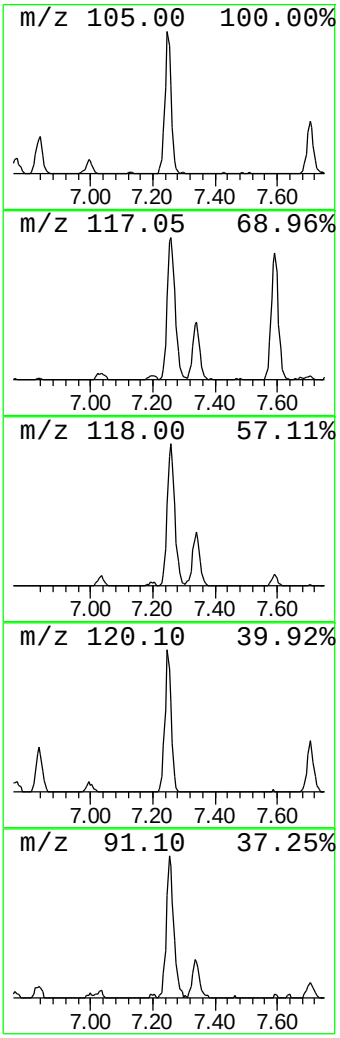
****

Peak Number 1 Benzene, 2-propenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	6.00 ng/ul	460667	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	83
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	50
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	46
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	46
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	45





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
Data File : BN005360.D
Acq On : 29 Apr 2019 20:18
Operator : JU/SJ
Sample : K2455-11MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1MEDL

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

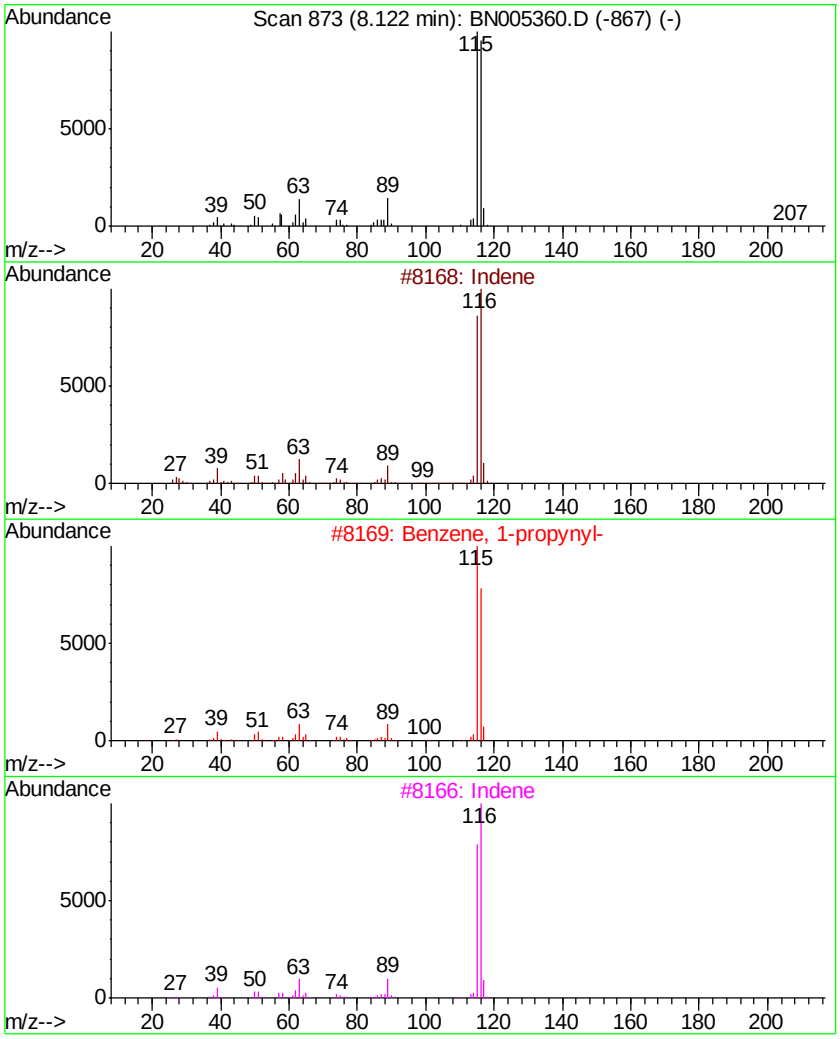
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

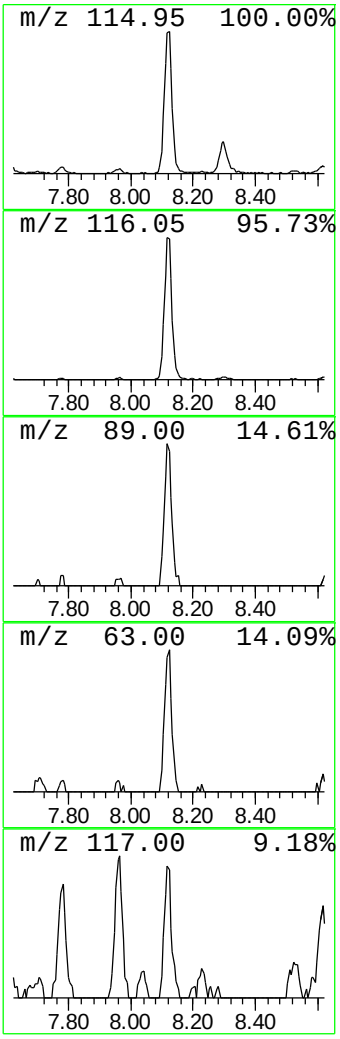
****

Peak Number 2 Indene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	3.91 ng/ul	300222	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	91
3	Indene	116	C9H8	000095-13-6	91
4	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
Data File : BN005360.D
Acq On : 29 Apr 2019 20:18
Operator : JU/SJ
Sample : K2455-11MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1MEDL

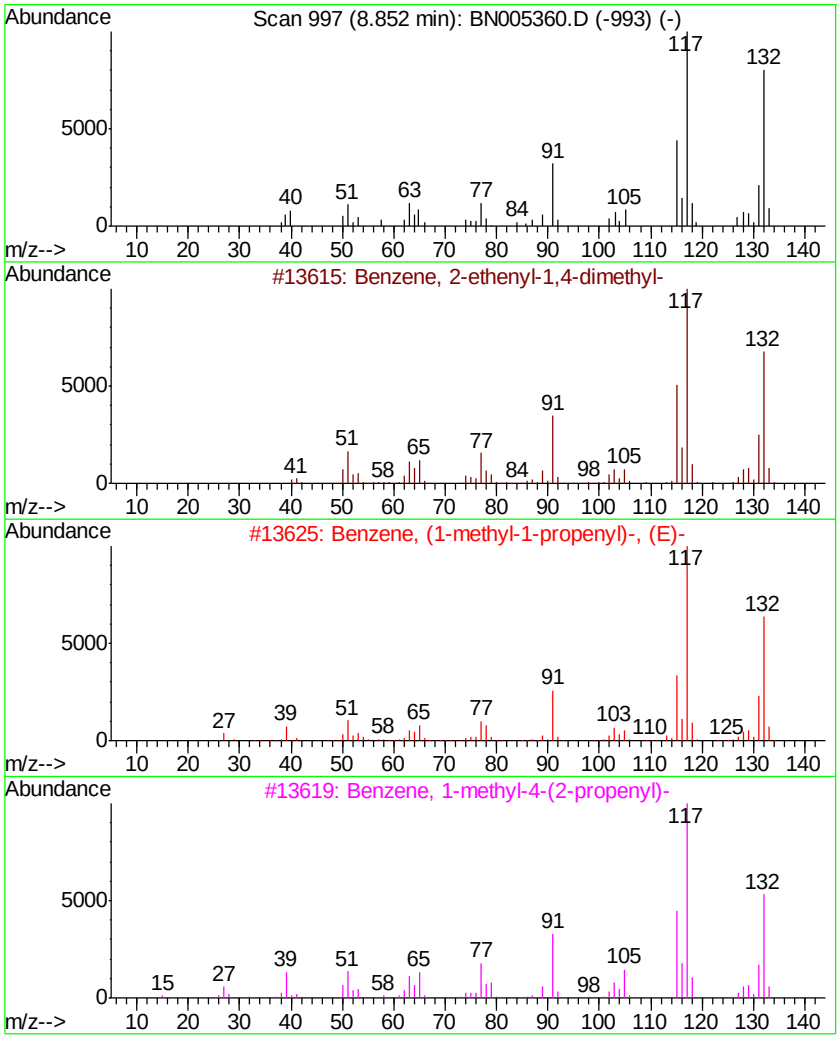
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

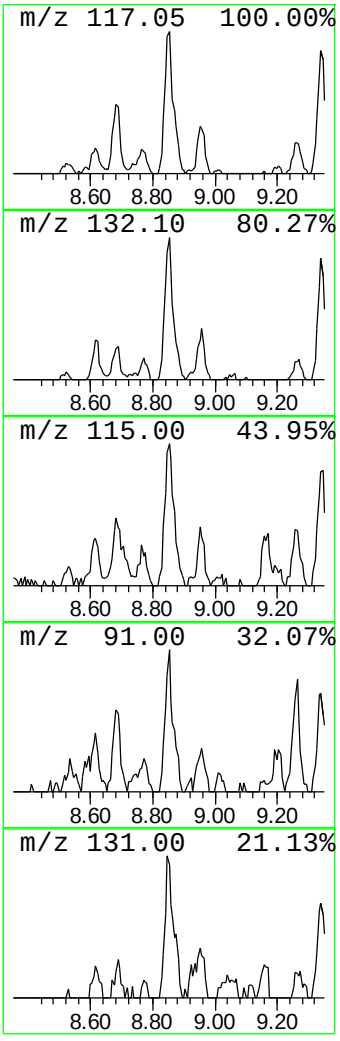
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	2.23 ng/ul	171196	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	96
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	96
4	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
Data File : BN005360.D
Acq On : 29 Apr 2019 20:18
Operator : JU/SJ
Sample : K2455-11MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1MEDL

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

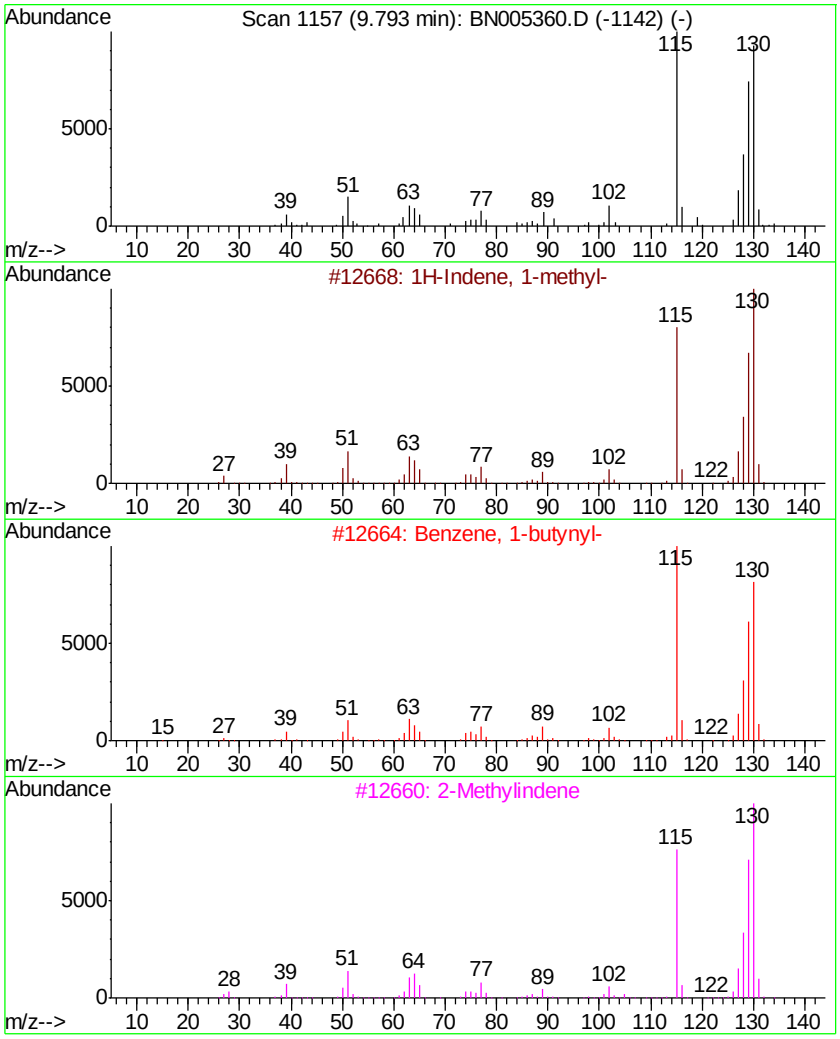
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

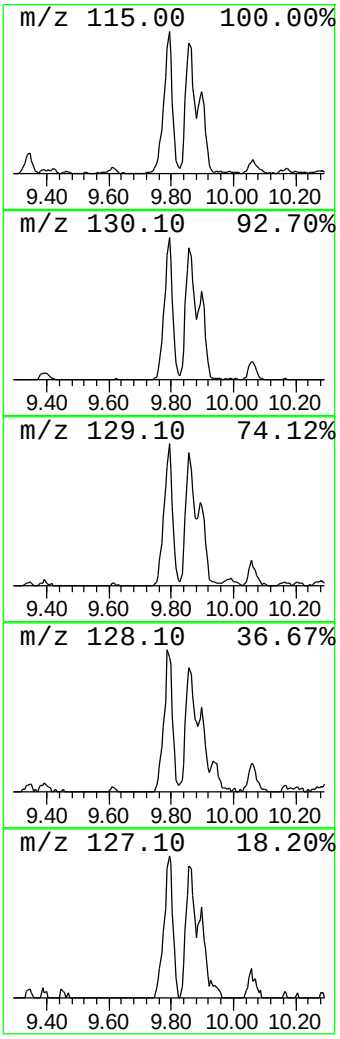
****

Peak Number 4 1H-Indene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	4.68 ng/ul	585166	Naphthalene-d8	10.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93
3	2-Methylindene	130	C10H10	002177-47-1	93
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93
5	2-Methylindene	130	C10H10	002177-47-1	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
Data File : BN005360.D
Acq On : 29 Apr 2019 20:18
Operator : JU/SJ
Sample : K2455-11MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1MEDL

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

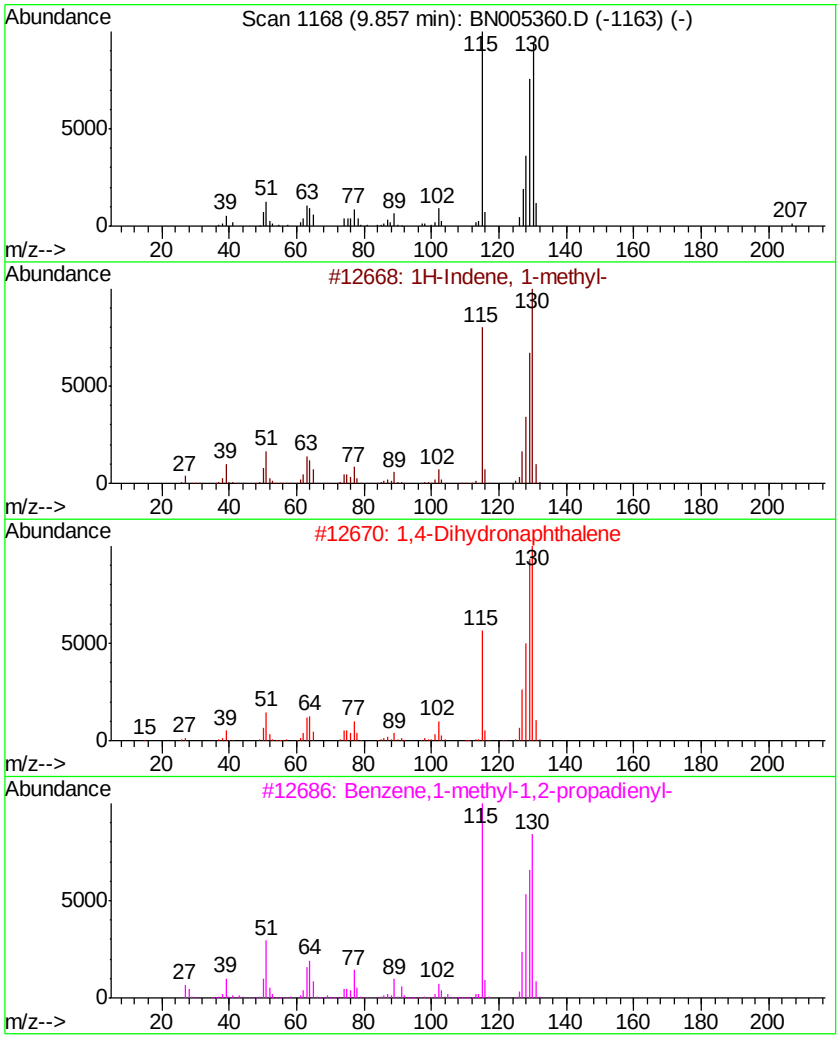
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

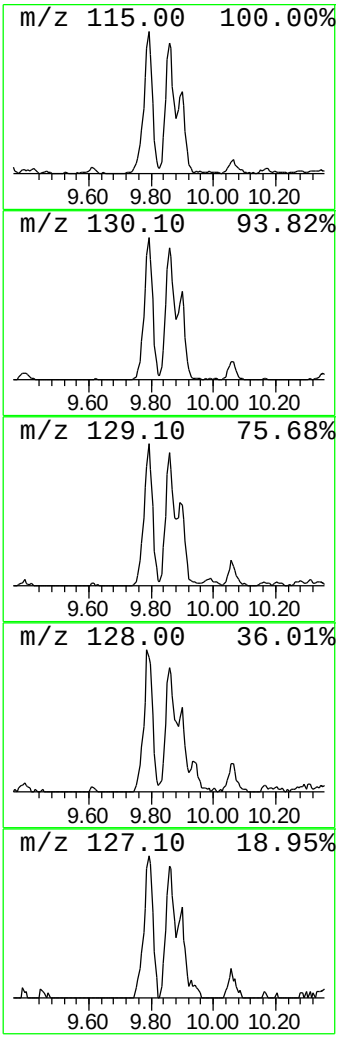
****

Peak Number 5 1,4-Dihydronaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	3.36 ng/ul	420839	Naphthalene-d8	10.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
2	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
4	2-Methylindene	130	C10H10	002177-47-1	93
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93





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Data File : BN005360.D
Acq On : 29 Apr 2019 20:18
Operator : JU/SJ
Sample : K2455-11MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1MEDL

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

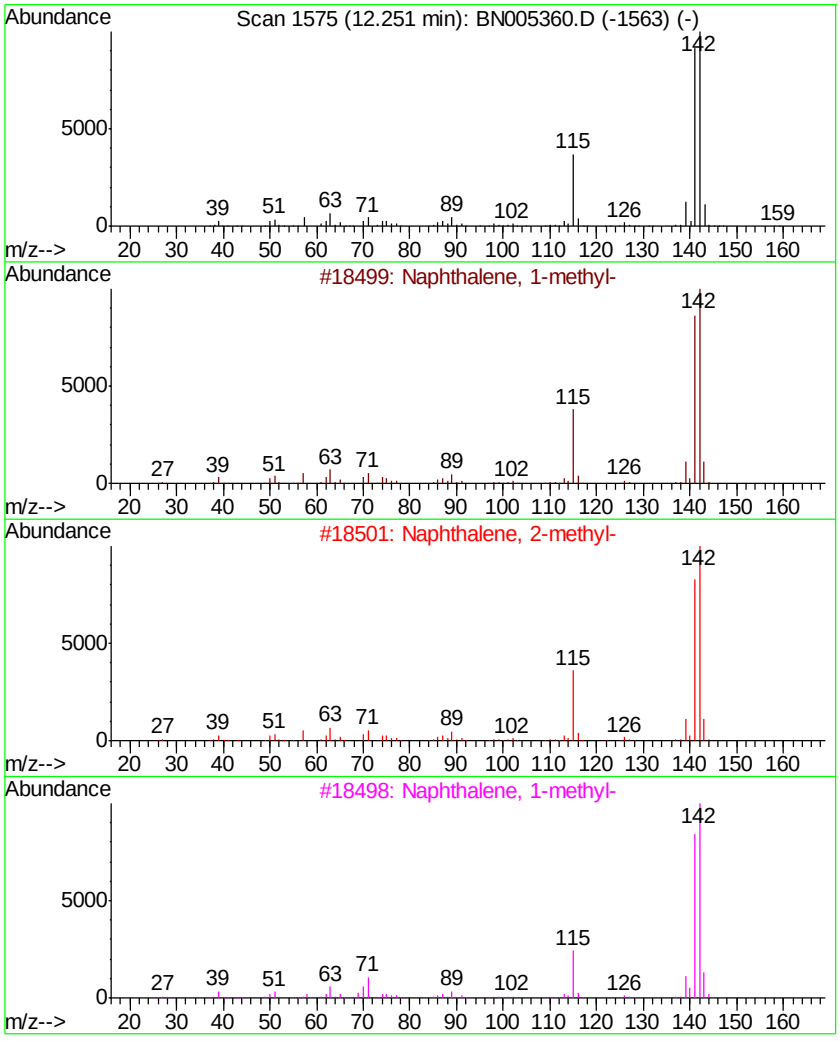
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

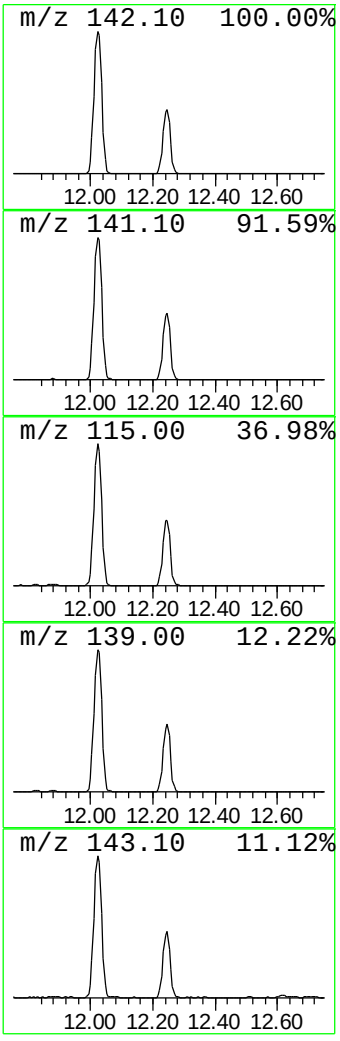
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	26.57 ng/ul	3323750	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	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91





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Data File : BN005360.D
Acq On : 29 Apr 2019 20:18
Operator : JU/SJ
Sample : K2455-11MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1MEDL

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

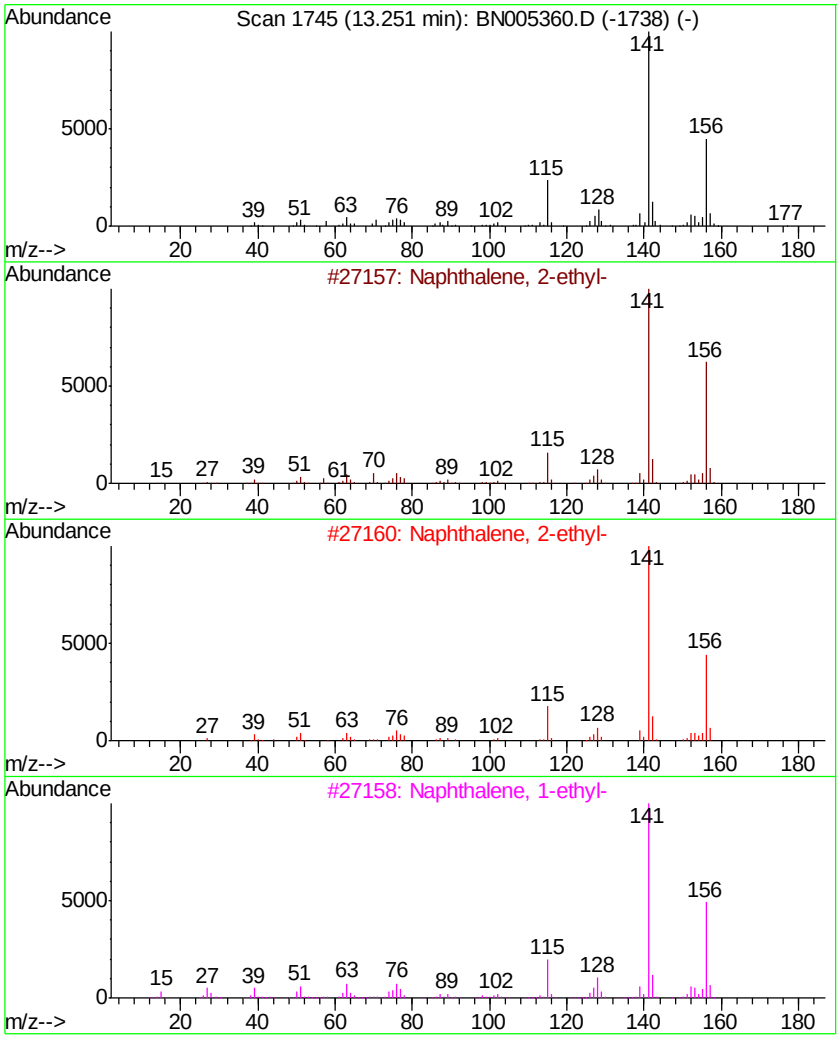
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

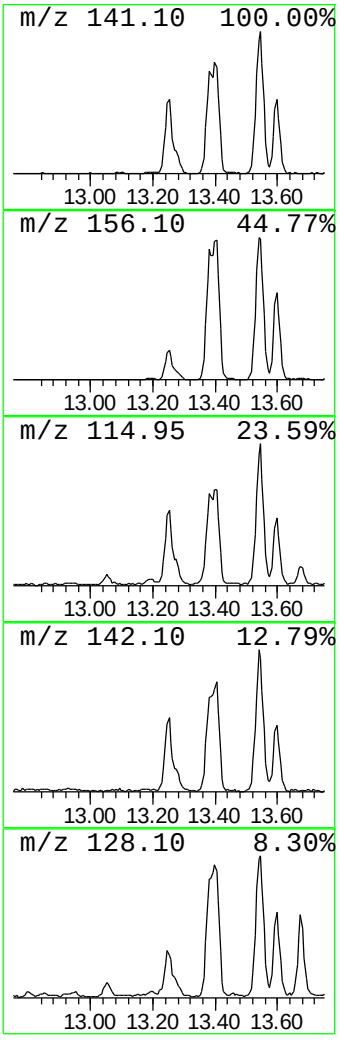
****

Peak Number 7 Naphthalene, 2-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	4.59 ng/ul	906792	Acenaphthene-d10	14.22

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





Library Search Compound Report

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Data File : BN005360.D
Acq On : 29 Apr 2019 20:18
Operator : JU/SJ
Sample : K2455-11MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1MEDL

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

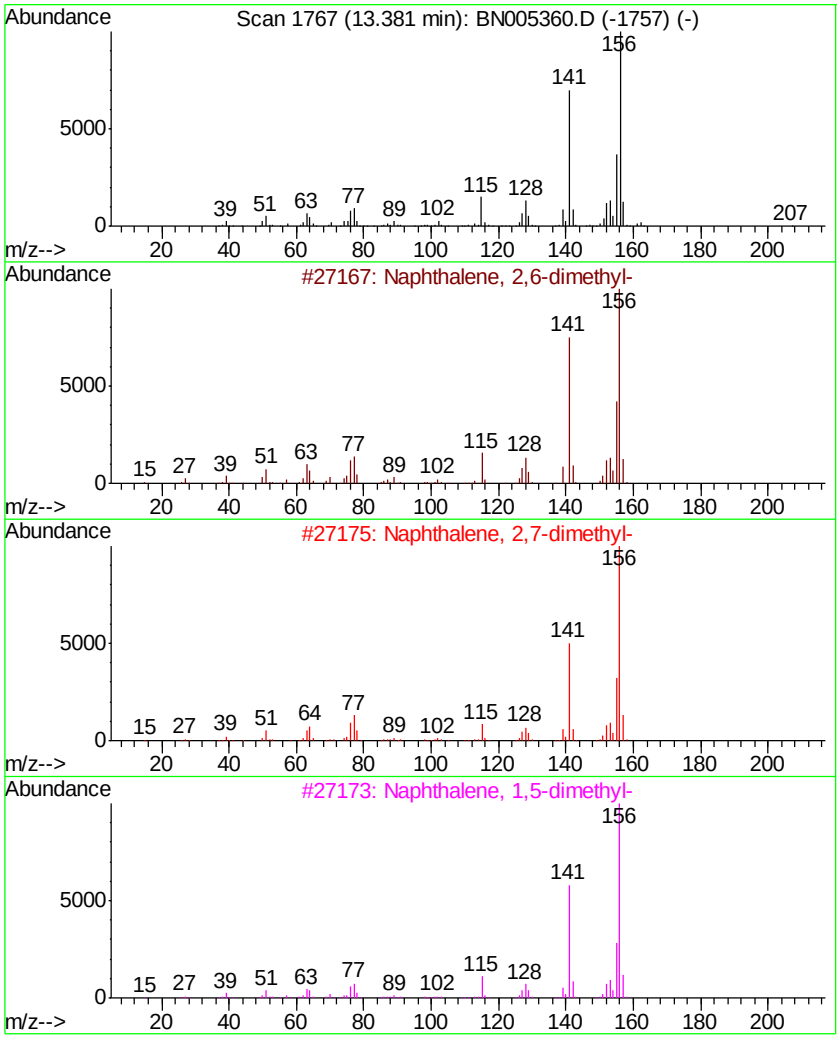
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

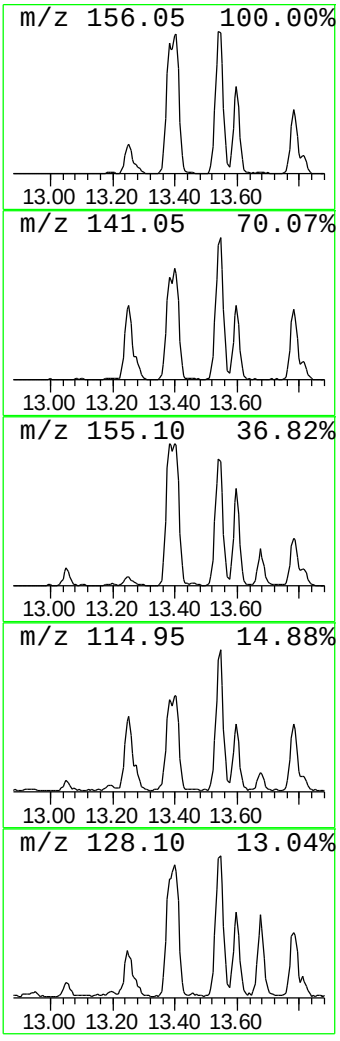
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	8.66 ng/ul	1709310	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Library Search Compound Report

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Data File : BN005360.D
Acq On : 29 Apr 2019 20:18
Operator : JU/SJ
Sample : K2455-11MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1MEDL

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

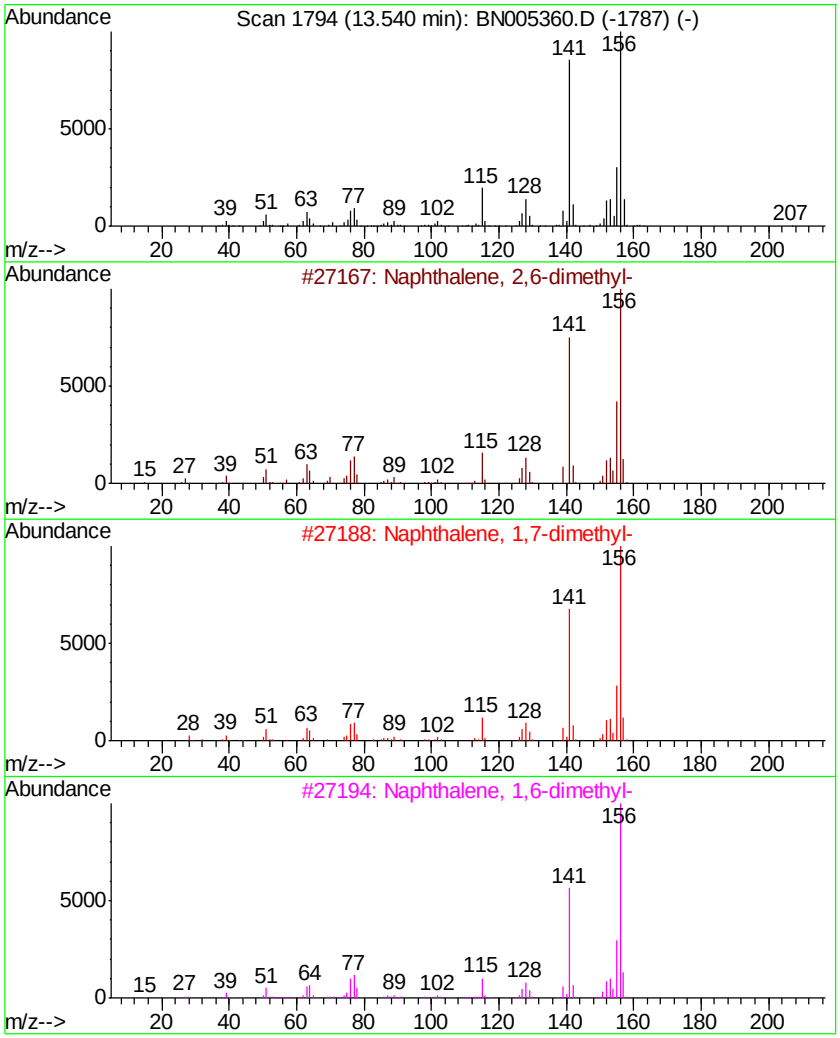
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

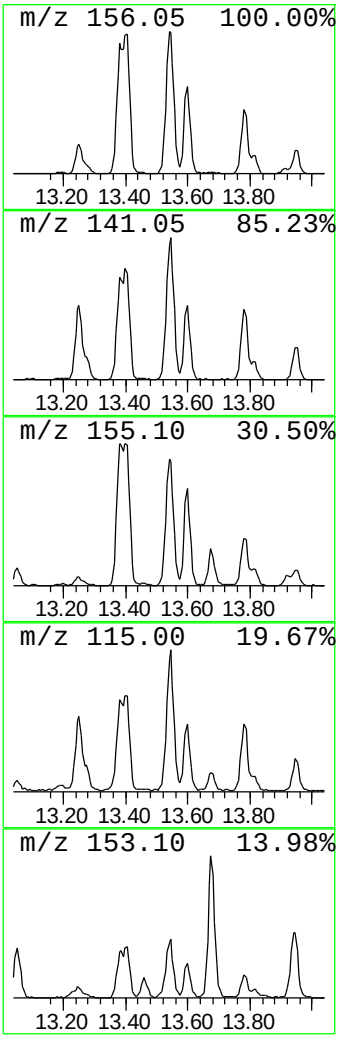
****

Peak Number 9 Naphthalene, 1,7-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	11.20 ng/ul	2210570	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Library Search Compound Report

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Data File : BN005360.D
Acq On : 29 Apr 2019 20:18
Operator : JU/SJ
Sample : K2455-11MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1MEDL

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

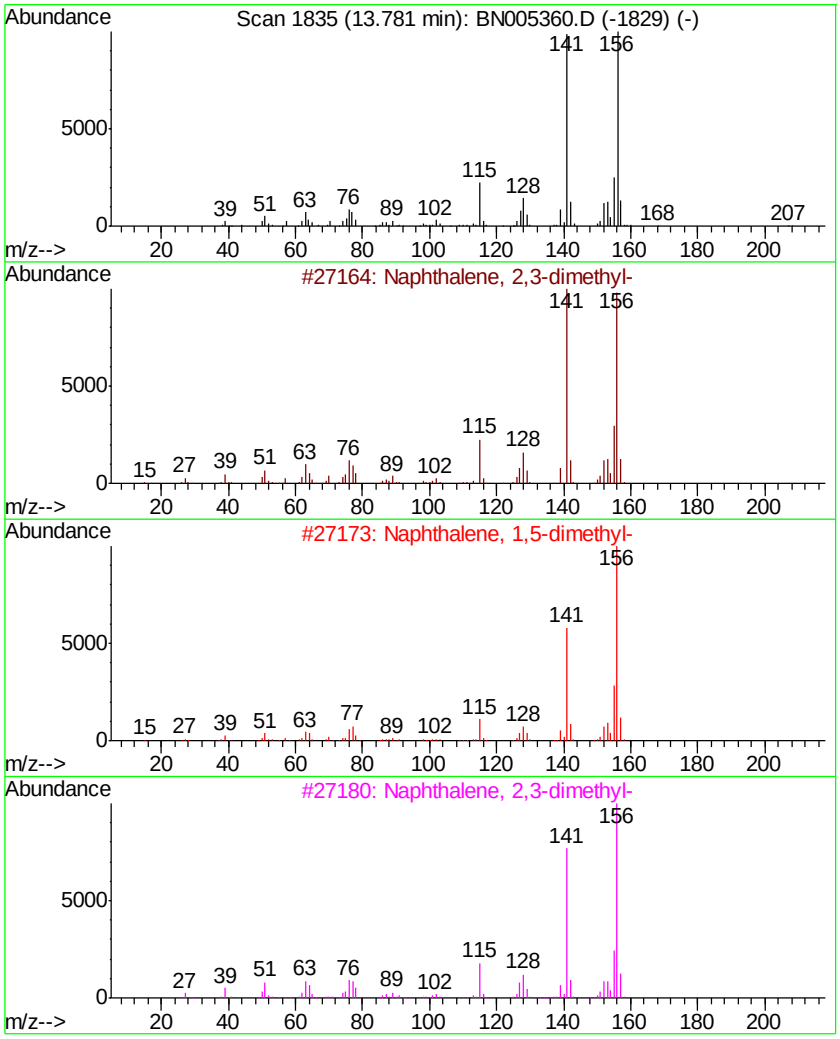
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

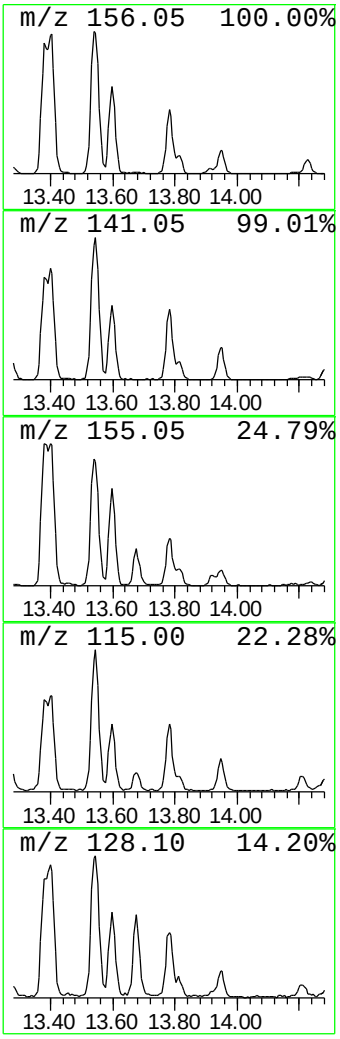
****

Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	4.44 ng/ul	877330	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Data File : BN005360.D
Acq On : 29 Apr 2019 20:18
Operator : JU/SJ
Sample : K2455-11MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1MEDL

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

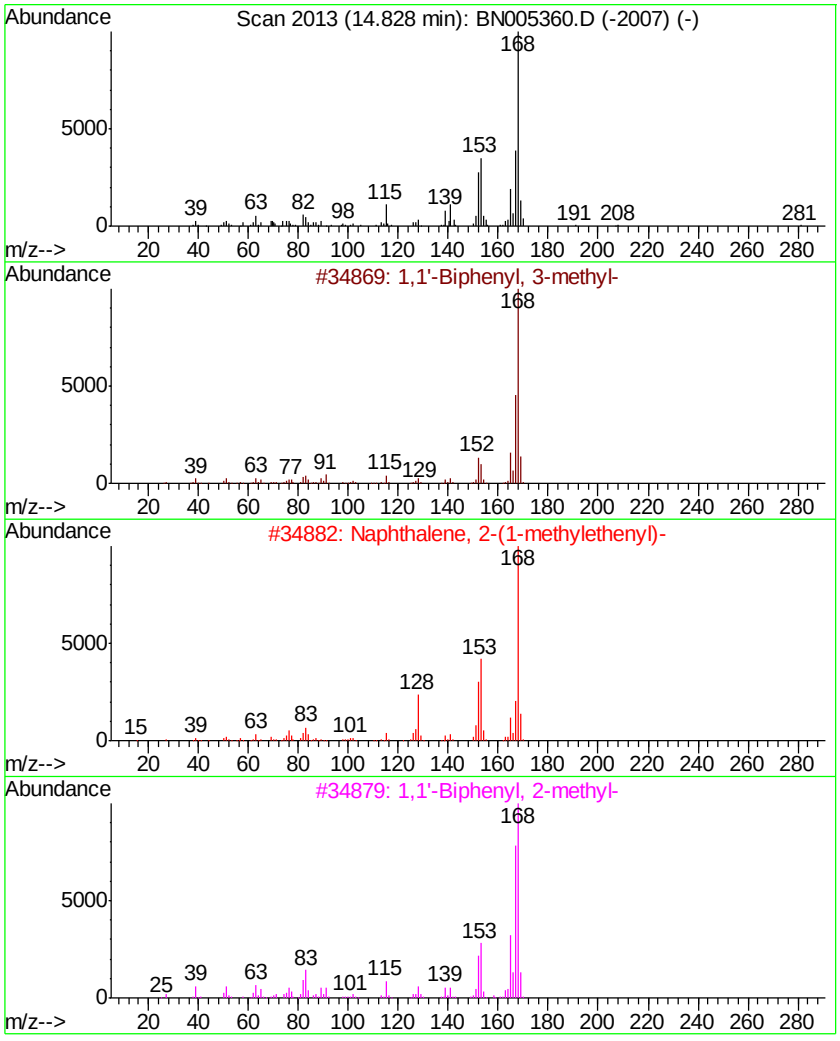
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

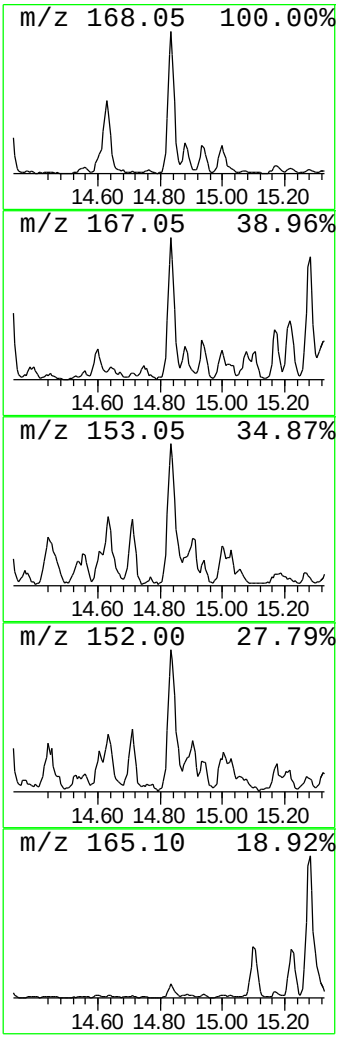
****

Peak Number 11 1,1'-Biphenyl, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	3.43 ng/ul	676468	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	81
2	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	68
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
4	Pyrazol-5-amine, 1,3-dimethyl-4-...	168	C6H8N4S	019688-92-7	50
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	50





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Data File : BN005360.D
Acq On : 29 Apr 2019 20:18
Operator : JU/SJ
Sample : K2455-11MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1MEDL

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

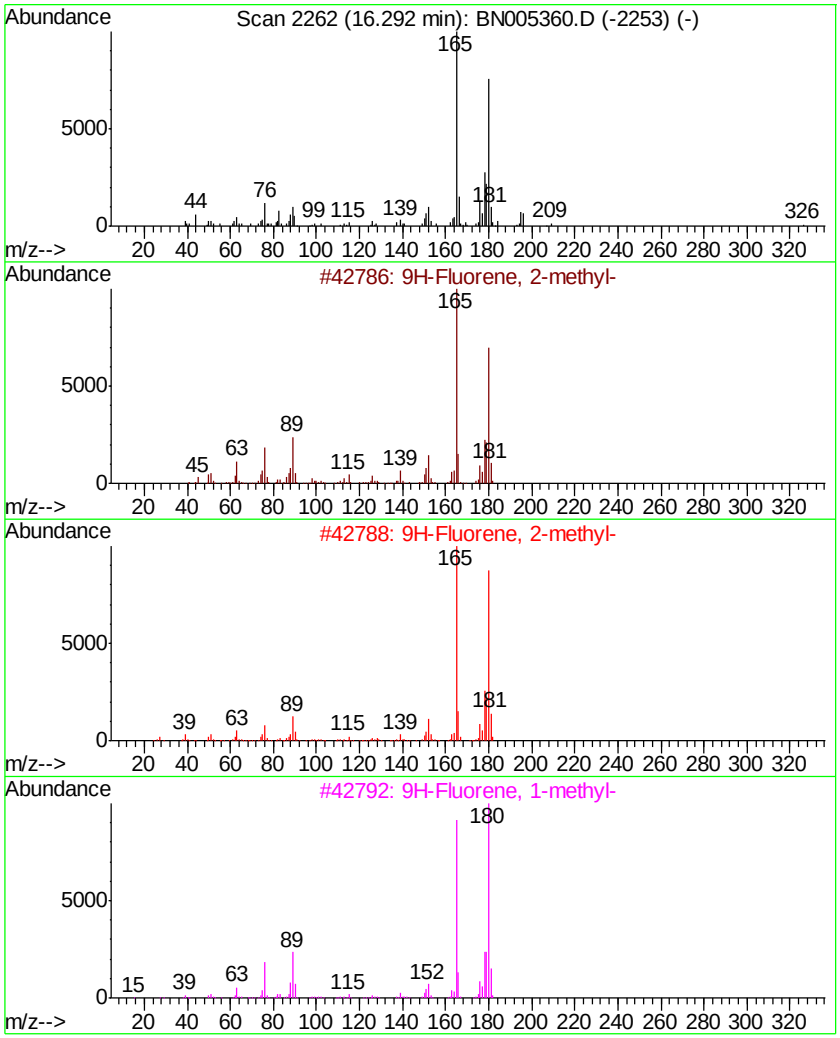
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

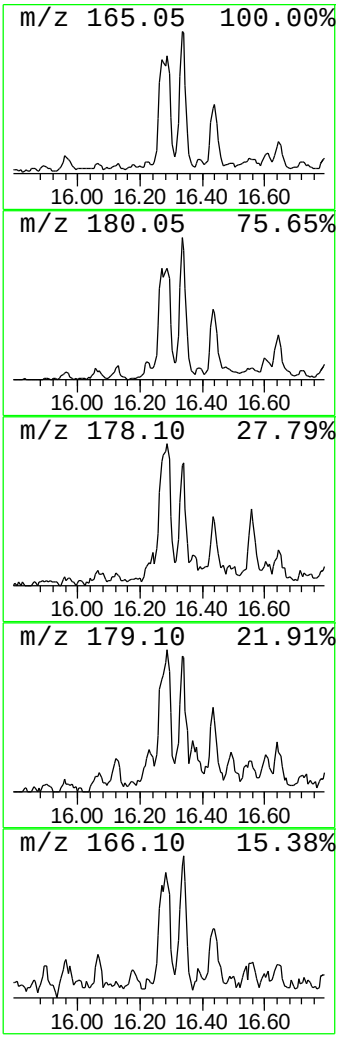
****

Peak Number 12 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	2.22 ng/ul	457974	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90





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Data File : BN005360.D
Acq On : 29 Apr 2019 20:18
Operator : JU/SJ
Sample : K2455-11MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1MEDL

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

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

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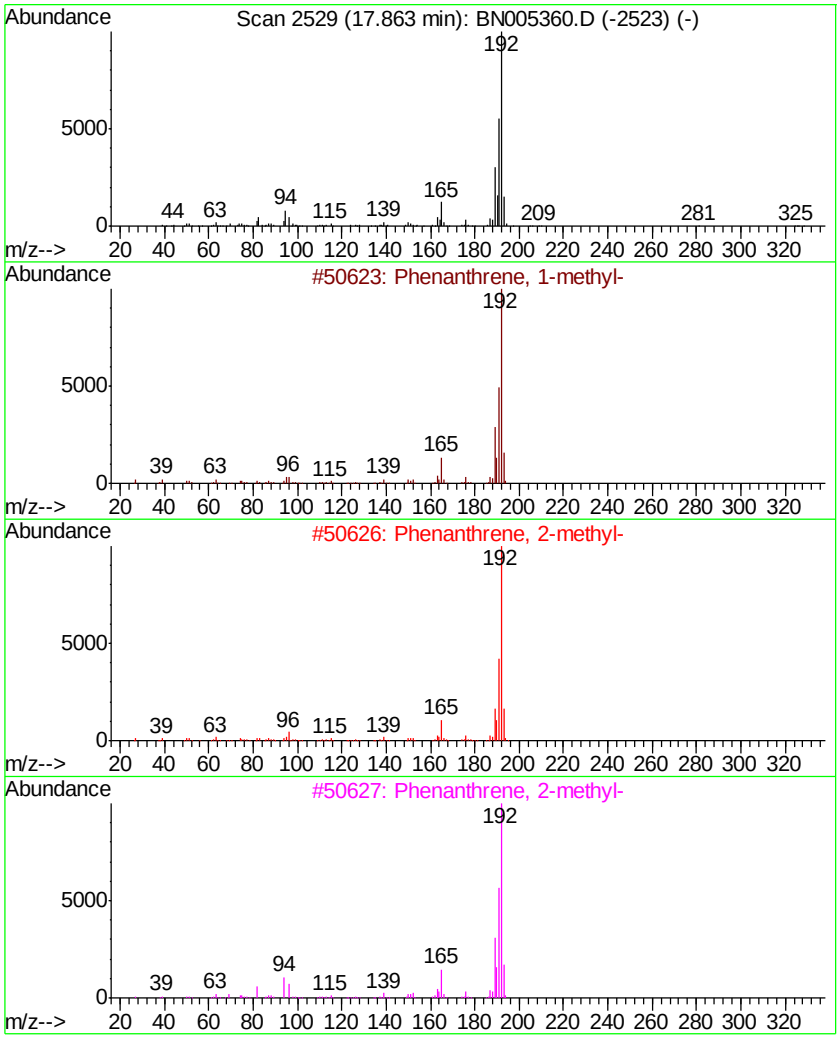
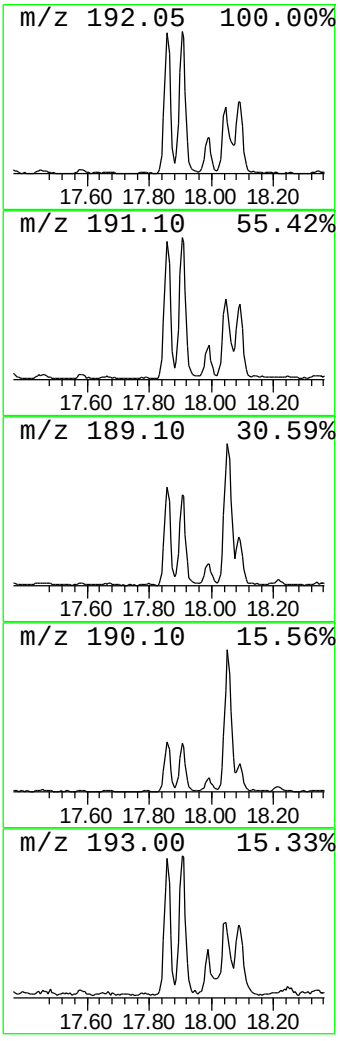
Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	3.71 ng/ul	765357	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Library Search Compound Report

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Data File : BN005360.D
Acq On : 29 Apr 2019 20:18
Operator : JU/SJ
Sample : K2455-11MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1MEDL

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

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

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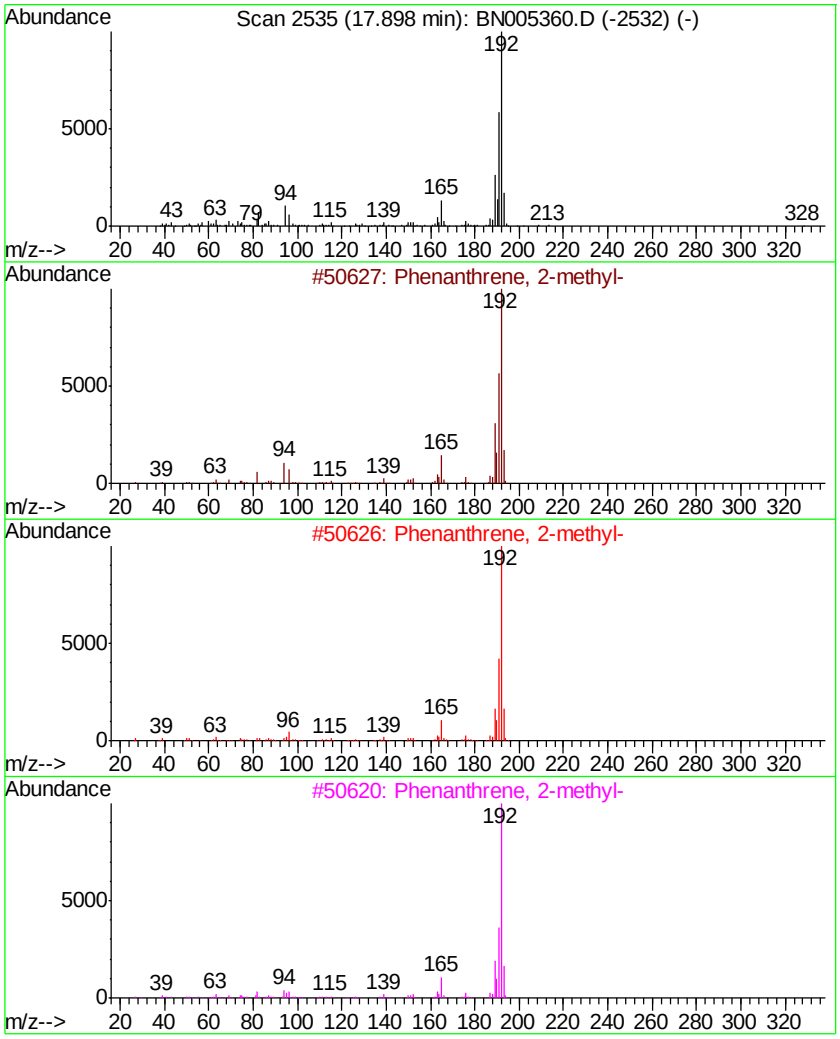
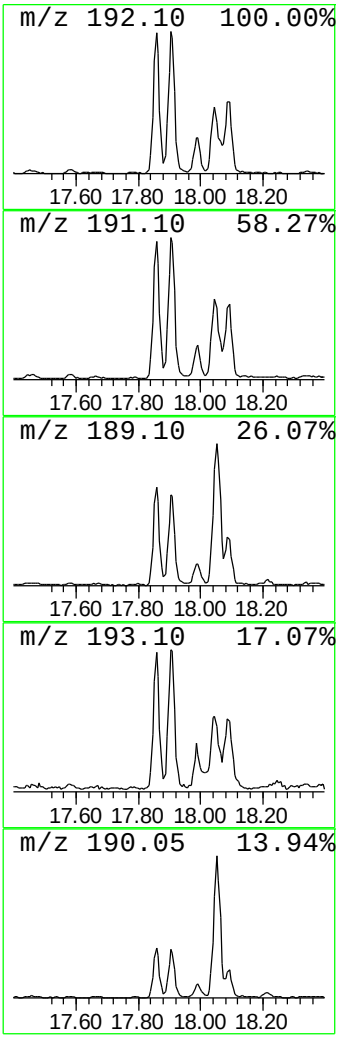
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	4.20 ng/ul	866753	Phenanthrene-d10	16.98

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





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Data File : BN005360.D
Acq On : 29 Apr 2019 20:18
Operator : JU/SJ
Sample : K2455-11MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1MEDL

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

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

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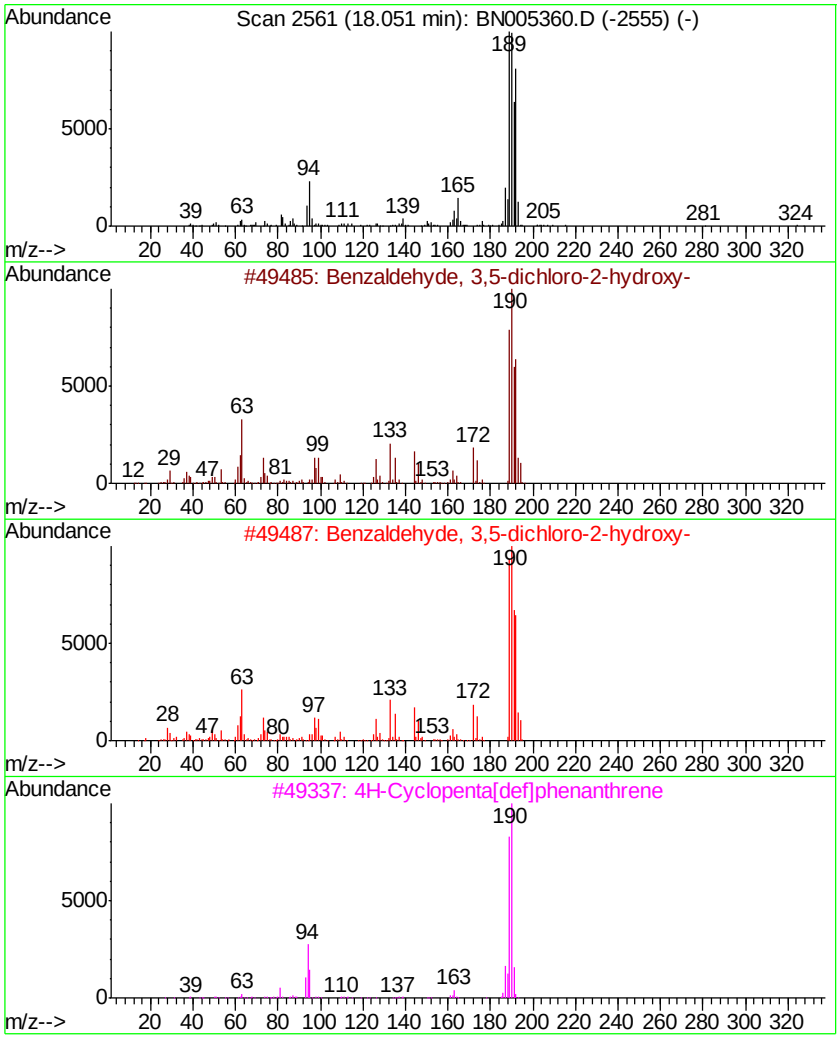
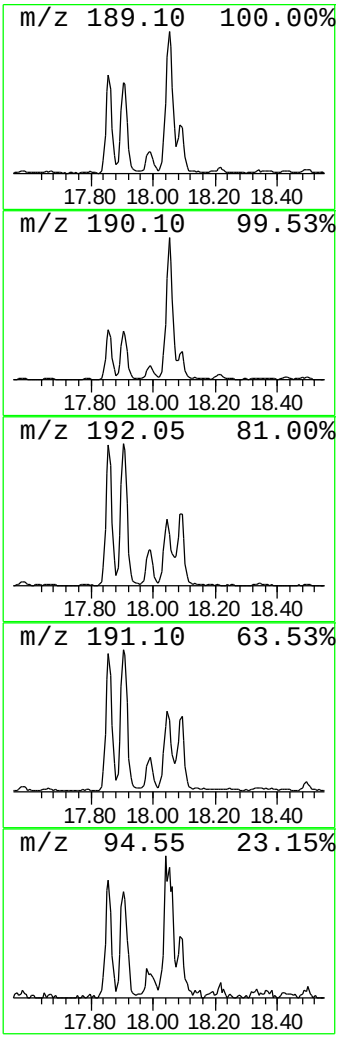
Peak Number 15 Benzaldehyde, 3,5-dichloro-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	3.87 ng/ul	798718	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
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	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042919\
Data File : BN005360.D
Acq On : 29 Apr 2019 20:18
Operator : JU/SJ
Sample : K2455-11MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR1MEDL

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
Benzene, 2-propenyl-	7.25	6.0	ng/ul	460667	1	7.59	1535510	20.0
Indene	8.12	3.9	ng/ul	300222	1	7.59	1535510	20.0
Benzene, 2-etheny...	8.85	2.2	ng/ul	171196	1	7.59	1535510	20.0
1H-Indene, 1-methyl-	9.79	4.7	ng/ul	585166	2	10.35	2502190	20.0
1,4-Dihydronaphth...	9.86	3.4	ng/ul	420839	2	10.35	2502190	20.0
Naphthalene, 1-me...	12.25	26.6	ng/ul	3323750	2	10.35	2502190	20.0
Naphthalene, 2-et...	13.25	4.6	ng/ul	906792	3	14.22	3949120	20.0
Naphthalene, 2,6-...	13.38	8.7	ng/ul	1709310	3	14.22	3949120	20.0
Naphthalene, 1,7-...	13.54	11.2	ng/ul	2210570	3	14.22	3949120	20.0
Naphthalene, 2,3-...	13.78	4.4	ng/ul	877330	3	14.22	3949120	20.0
1,1'-Biphenyl, 3-...	14.83	3.4	ng/ul	676468	3	14.22	3949120	20.0
9H-Fluorene, 2-me...	16.29	2.2	ng/ul	457974	4	16.98	4128880	20.0
Phenanthrene, 1-m...	17.86	3.7	ng/ul	765357	4	16.98	4128880	20.0
Phenanthrene, 2-m...	17.90	4.2	ng/ul	866753	4	16.98	4128880	20.0
Benzaldehyde, 3,5...	18.05	3.9	ng/ul	798718	4	16.98	4128880	20.0