LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020431.D
Acq On : 20 May 2019 16:42
Operator : JU/SJ
Sample : K2633-13MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA5MEDL

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_M\METHODS\SOM-EPA-BM051619MA.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	7.375	742	746	755	rVB5	17917	32456	2.83%	0.363%
2	7.734	802	807	818	rVV	204687	343039	29.96%	3.837%
3	7.834	822	824	828	rVB2	6838	7311	0.64%	0.082%
4	8.263	892	897	907	rVB	53741	92600	8.09%	1.036%
5	8.916	1003	1008	1019	rVB5	6055	14522	1.27%	0.162%
6	9.404	1089	1091	1097	rVB2	4398	4496	0.39%	0.050%
7	9.628	1125	1129	1133	rVB3	3259	5768	0.50%	0.065%
8	9.928	1175	1180	1181	rBV2	5648	6580	0.57%	0.074%
9	9.951	1182	1184	1189	rVV3	9321	12921	1.13%	0.145%
10	10.022	1191	1196	1207	rVB4	9430	24964	2.18%	0.279%
11	10.163	1216	1220	1228	rVB4	4297	8171	0.71%	0.091%
12	10.528	1275	1282	1286	rBV	273571	468017	40.88%	5.235%
13	10.581	1286	1291	1305	rVV	668079	1144957	100.00%	12.808%
14	10.698	1305	1311	1326	rVV3	11189	22519	1.97%	0.252%
15	11.569	1454	1459	1461	rBV3	1666	2187	0.19%	0.024%
16	12.192	1559	1565	1581	rBV	219932	363376	31.74%	4.065%
17	12.322	1585	1587	1591	rVB5	1538	1968	0.17%	0.022%
18	12.416	1595	1603	1614	rBV	133977	221552	19.35%	2.478%
19	13.216	1735	1739	1749	rVV	30790	49493	4.32%	0.554%
20	13.410	1767	1772	1780	rVB	12204	20076	1.75%	0.225%
21	13.545	1789	1795	1796	rBV2	19880	26168	2.29%	0.293%
22	13.704	1816	1822	1827	rBV	45354	77465	6.77%	0.867%
23	13.757	1827	1831	1835	rVV2	25538	37622	3.29%	0.421%
24	13.804	1835	1839	1843	rVV	22319	32476	2.84%	0.363%
25	13.845	1843	1846	1853	rVB3	8742	13540	1.18%	0.151%
26	13.945	1857	1863	1866	rBV	18023	29695	2.59%	0.332%
27	13.969	1866	1867	1872	rVB	7231	6367	0.56%	0.071%
28	14.080	1881	1886	1888	rBV	26062	37029	3.23%	0.414%
29	14.110	1888	1891	1898	rVB2	45103	63977	5.59%	0.716%
30	14.386	1929	1938	1945	rBV2	388602	605511	52.89%	6.774%
31	14.451	1945	1949	1959	rVB3	14768	27518	2.40%	0.308%
32	14.592	1967	1973	1974	rBV2	1647	2413	0.21%	0.027%
33	14.604	1974	1975	1980	rVV2	1761	2350	0.21%	0.026%
34	14.786	2000	2006	2014	rBV3	11520	19248	1.68%	0.215%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020431.D
Acq On : 20 May 2019 16:42
Operator : JU/SJ
Sample : K2633-13MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA5MEDL

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_M\METHODS\SOM-EPA-BM051619MA.M
Title : SVOA CALIBRATION

35	14.863	2014	2019	2025	rVB2	7549	9270	0.81%	0.104%
36	15.004	2037	2043	2048	rVB5	8085	12932	1.13%	0.145%
37	15.057	2048	2052	2057	rBV3	4466	7283	0.64%	0.081%
38	15.157	2065	2069	2070	rBV	2108	2234	0.20%	0.025%
39	15.174	2070	2072	2076	rVV	3496	3710	0.32%	0.042%
40	15.263	2083	2087	2091	rVB	5992	7745	0.68%	0.087%
41	15.321	2091	2097	2098	rBV4	1582	1901	0.17%	0.021%
42	15.386	2102	2108	2112	rBV2	39712	57423	5.02%	0.642%
43	15.439	2112	2117	2126	rVV	89922	136847	11.95%	1.531%
44	15.563	2134	2138	2141	rVV3	3234	4910	0.43%	0.055%
45	15.592	2141	2143	2149	rVB4	1878	2656	0.23%	0.030%
46	15.645	2149	2152	2155	rBV2	2836	3521	0.31%	0.039%
47	15.733	2162	2167	2171	rBV2	5524	8674	0.76%	0.097%
48	15.786	2171	2176	2179	rVB3	2760	5333	0.47%	0.060%
49	15.857	2182	2188	2191	rBV4	6271	10056	0.88%	0.112%
50	15.886	2191	2193	2199	rVB3	3717	5721	0.50%	0.064%
51	16.115	2228	2232	2238	rVV4	1723	3121	0.27%	0.035%
52	16.445	2285	2288	2292	rVB2	11672	15962	1.39%	0.179%
53	16.492	2292	2296	2302	rVB3	8991	12105	1.06%	0.135%
54	16.592	2309	2313	2320	rBV2	8514	11360	0.99%	0.127%
55	16.710	2329	2333	2336	rBV3	2406	2964	0.26%	0.033%
56	16.810	2345	2350	2354	rBV3	2669	5061	0.44%	0.057%
57	16.874	2356	2361	2362	rVV3	2013	2044	0.18%	0.023%
58	16.962	2371	2376	2383	rVB	19549	30290	2.65%	0.339%
59	17.139	2400	2406	2410	rBV2	484248	697395	60.91%	7.801%
60	17.180	2410	2413	2419	rVV	395058	560483	48.95%	6.270%
61	17.239	2419	2423	2425	rVV2	34238	47430	4.14%	0.531%
62	17.274	2425	2429	2435	rVB	75319	112499	9.83%	1.258%
63	17.380	2444	2447	2449	rBV2	2511	3050	0.27%	0.034%
64	17.557	2474	2477	2480	rVB3	2174	2923	0.26%	0.033%
65	17.657	2490	2494	2498	rBV	8506	10887	0.95%	0.122%
66	17.721	2501	2505	2513	rVB3	10095	16853	1.47%	0.189%
67	17.857	2525	2528	2529	rBV2	5246	5424	0.47%	0.061%
68	18.015	2550	2555	2559	rVV	53667	71289	6.23%	0.797%
69	18.062	2559	2563	2569	rVV	55425	79109	6.91%	0.885%
70	18.145	2573	2577	2582	rVV	17325	24385	2.13%	0.273%
71	18.215	2582	2589	2592	rVV3	70129	130512	11.40%	1.460%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020431.D
Acq On : 20 May 2019 16:42
Operator : JU/SJ
Sample : K2633-13MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA5MEDL

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_M\METHODS\SOM-EPA-BM051619MA.M
Title : SVOA CALIBRATION

72	18.245	2592	2594	2600	rVB	33068	44634	3.90%	0.499%
73	18.415	2620	2623	2626	rVB2	2207	2552	0.22%	0.029%
74	18.521	2634	2641	2648	rBV	27213	40848	3.57%	0.457%
75	18.568	2648	2649	2652	rVB2	2850	2560	0.22%	0.029%
76	18.768	2679	2683	2686	rBV4	3777	4813	0.42%	0.054%
77	18.815	2688	2691	2694	rBV3	6738	7999	0.70%	0.089%
78	18.856	2695	2698	2702	rVB4	3861	5415	0.47%	0.061%
79	18.933	2707	2711	2715	rBV	23695	34757	3.04%	0.389%
80	18.998	2717	2722	2726	rBV5	9958	19652	1.72%	0.220%
81	19.080	2732	2736	2737	rBV3	6034	8129	0.71%	0.091%
82	19.151	2746	2748	2750	rVB3	2222	1959	0.17%	0.022%
83	19.204	2752	2757	2764	rVV	176426	239515	20.92%	2.679%
84	19.268	2764	2768	2770	rVV4	4924	6457	0.56%	0.072%
85	19.304	2771	2774	2778	rVV5	5331	9317	0.81%	0.104%
86	19.356	2779	2783	2790	rVB	34845	47902	4.18%	0.536%
87	19.456	2795	2800	2801	rBV2	6268	8720	0.76%	0.098%
88	19.539	2810	2814	2816	rBV2	58501	83120	7.26%	0.930%
89	19.568	2816	2819	2828	rVV	234310	328230	28.67%	3.672%
90	19.639	2828	2831	2837	rVB6	8311	15760	1.38%	0.176%
91	19.733	2845	2847	2848	rBV2	5132	3027	0.26%	0.034%
92	19.892	2870	2874	2880	rBV8	16917	39639	3.46%	0.443%
93	20.027	2895	2897	2898	rBV3	14257	10943	0.96%	0.122%
94	20.068	2901	2904	2908	rVB	34910	45946	4.01%	0.514%
95	20.168	2916	2921	2924	rBV2	36030	49996	4.37%	0.559%
96	20.227	2927	2931	2935	rVV	24334	30317	2.65%	0.339%
97	20.362	2951	2954	2958	rBV	18723	22941	2.00%	0.257%
98	20.409	2959	2962	2966	rBV3	21763	32080	2.80%	0.359%
99	21.333	3113	3119	3123	rBV2	681555	1005341	87.81%	11.246%
100	23.615	3501	3507	3517	rVB	418966	833111	72.76%	9.320%

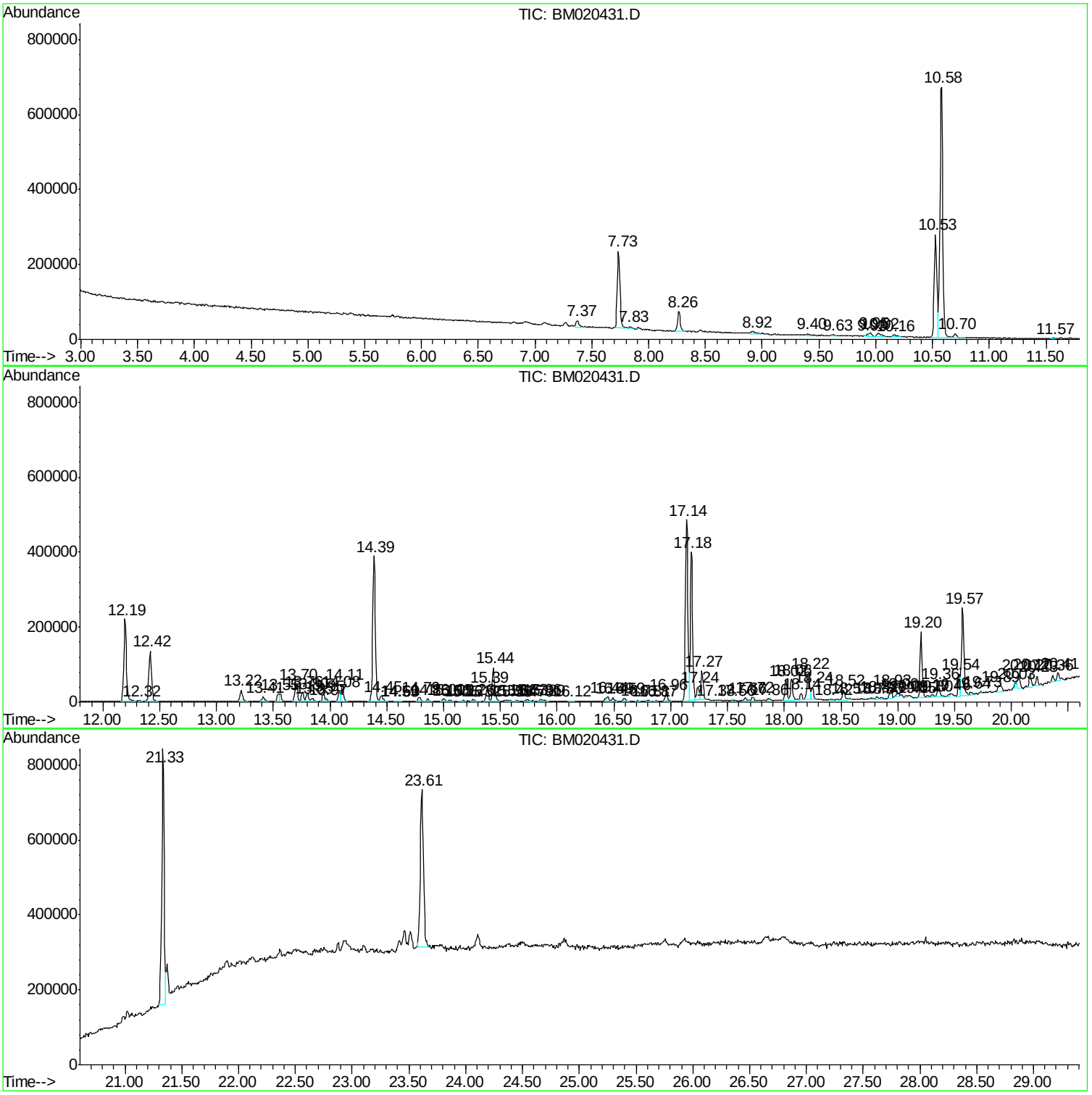
Sum of corrected areas: 8939394

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020431.D
Acq On : 20 May 2019 16:42
Operator : JU/SJ
Sample : K2633-13MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA5MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020431.D
Acq On : 20 May 2019 16:42
Operator : JU/SJ
Sample : K2633-13MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA5MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

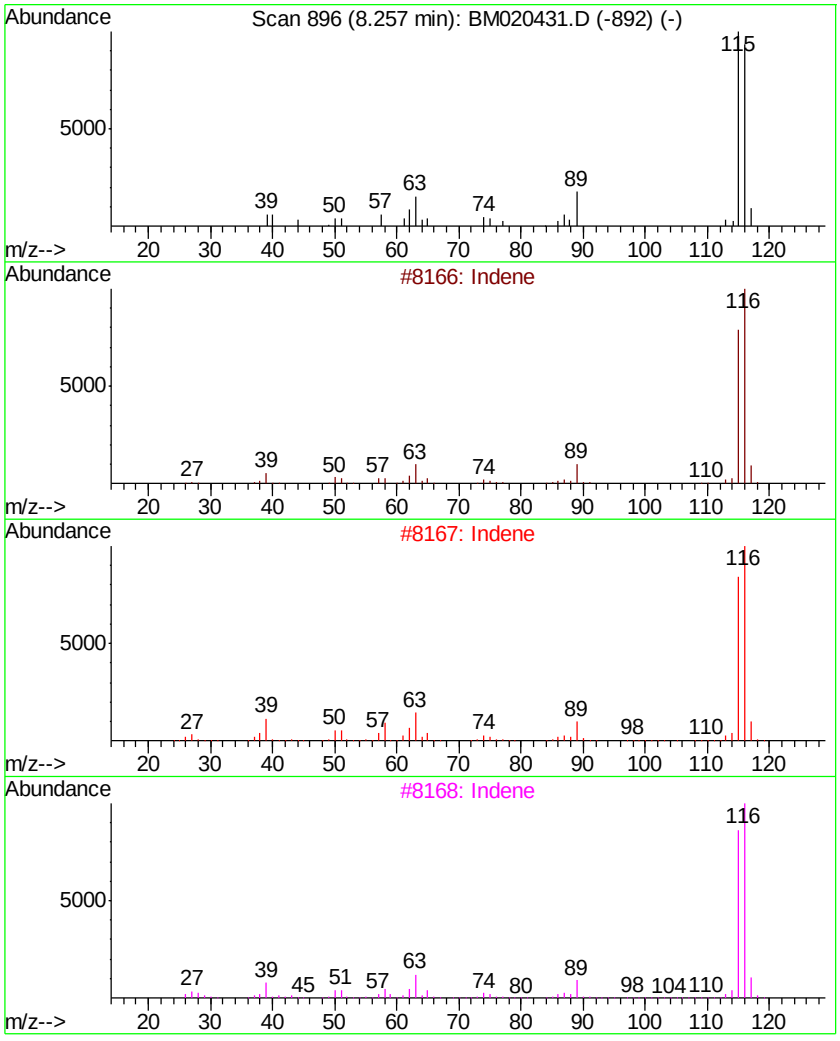
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

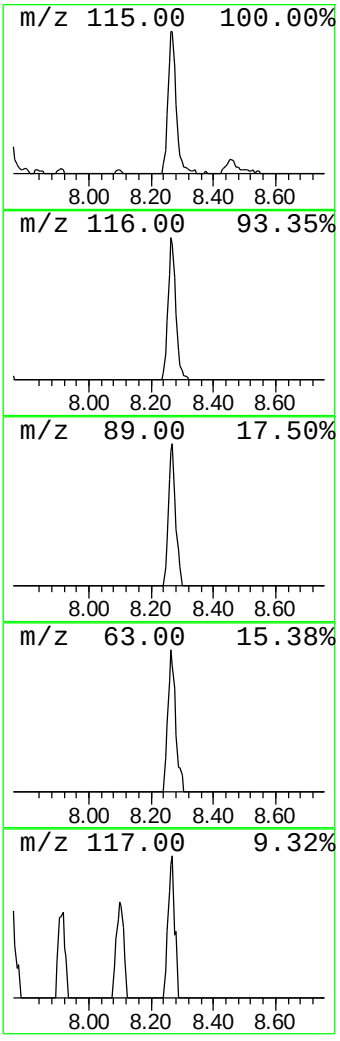
****

Peak Number 1 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	5.40 ng/ul	92600	1,4-Dichlorobenzene-d4	7.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	93
2	Indene	116	C9H8	000095-13-6	91
3	Indene	116	C9H8	000095-13-6	91
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020431.D
Acq On : 20 May 2019 16:42
Operator : JU/SJ
Sample : K2633-13MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA5MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

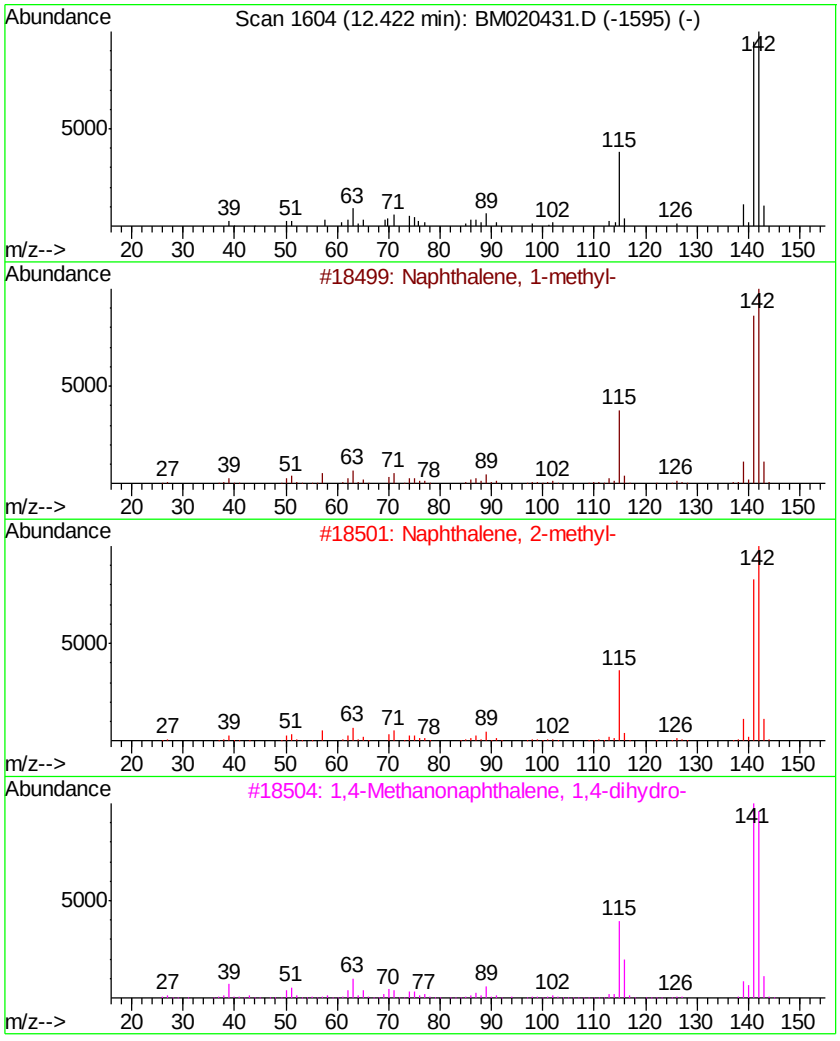
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

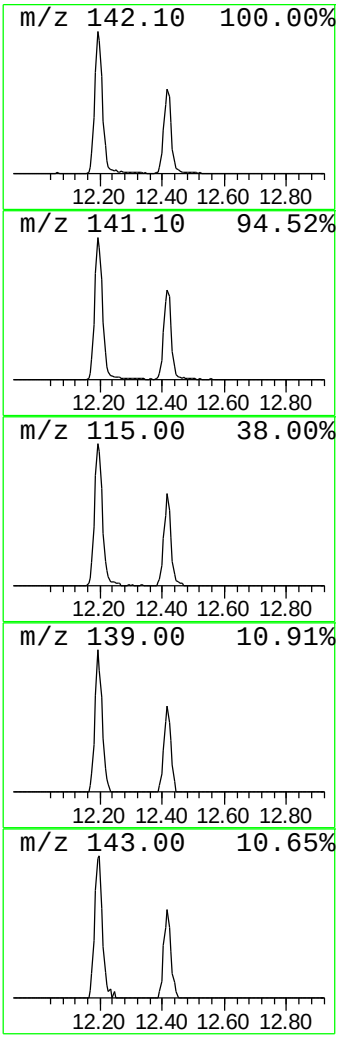
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	9.47 ng/ul	221552	Naphthalene-d8	10.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020431.D
Acq On : 20 May 2019 16:42
Operator : JU/SJ
Sample : K2633-13MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA5MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

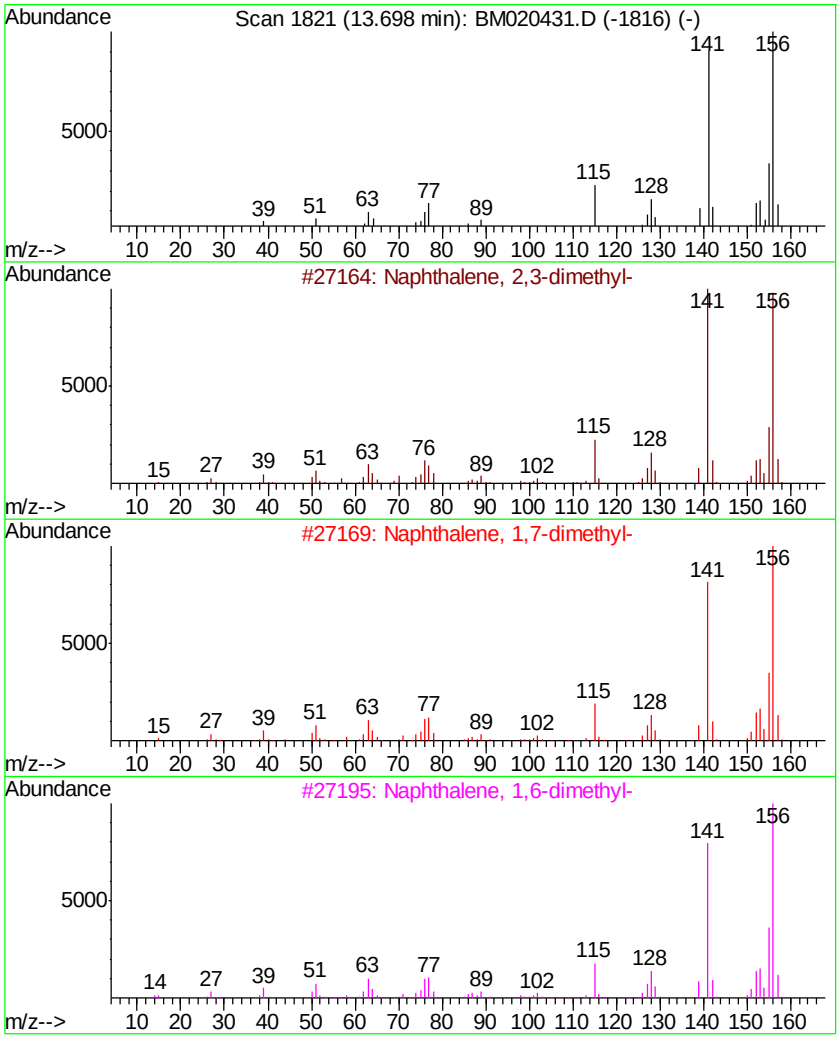
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

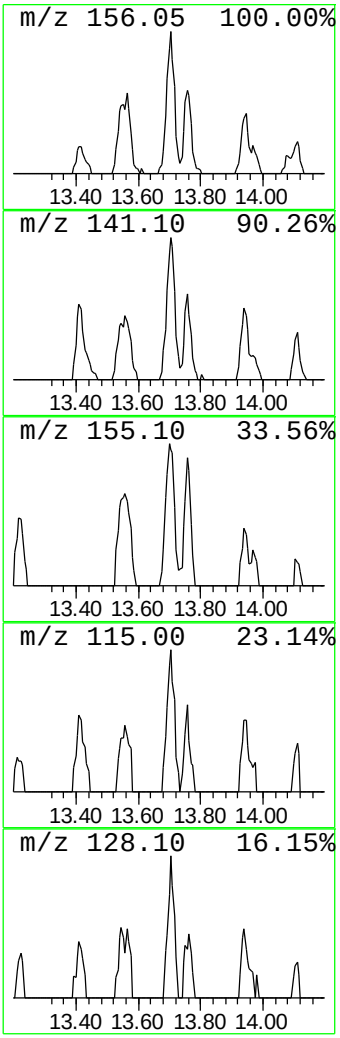
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	2.56 ng/ul	77465	Acenaphthene-d10	14.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020431.D
Acq On : 20 May 2019 16:42
Operator : JU/SJ
Sample : K2633-13MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA5MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

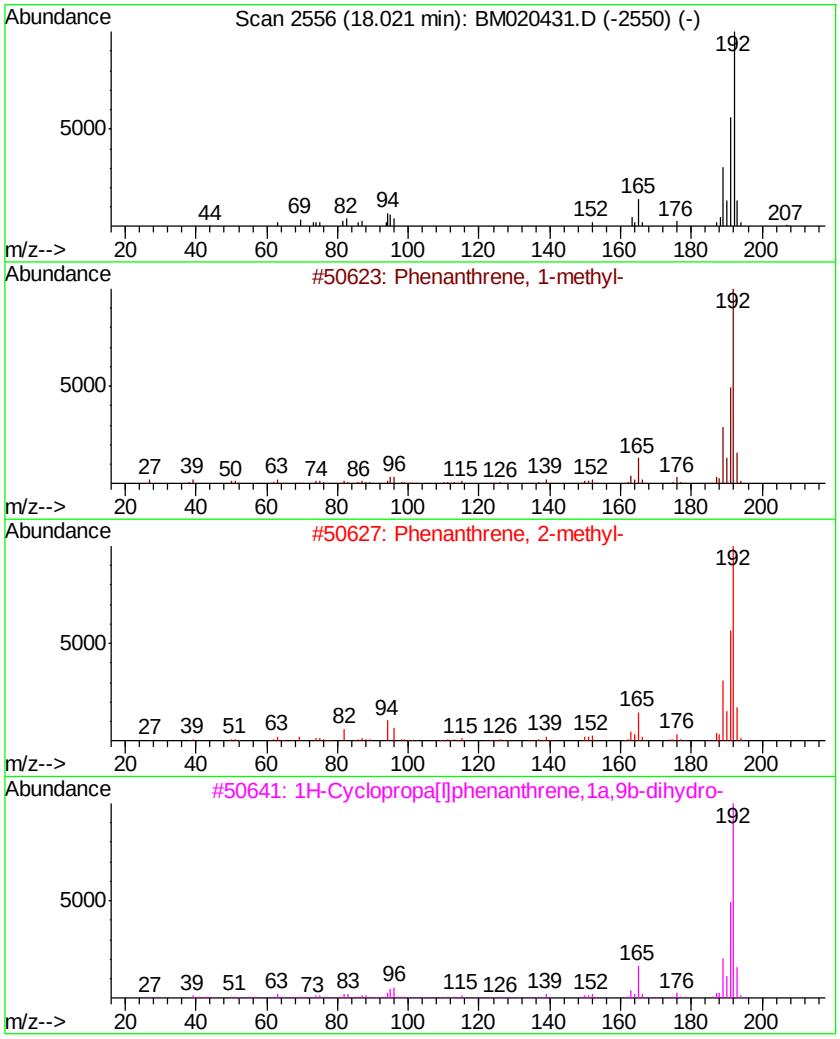
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

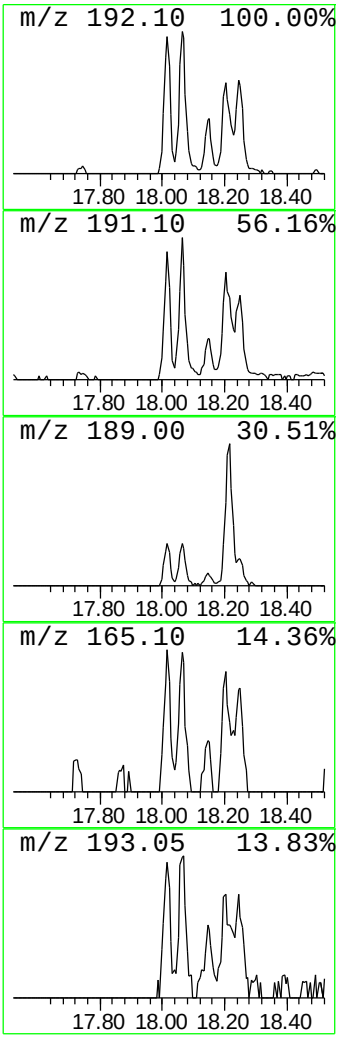
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	2.04 ng/ul	71289	Phenanthrene-d10	17.14

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020431.D
Acq On : 20 May 2019 16:42
Operator : JU/SJ
Sample : K2633-13MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA5MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

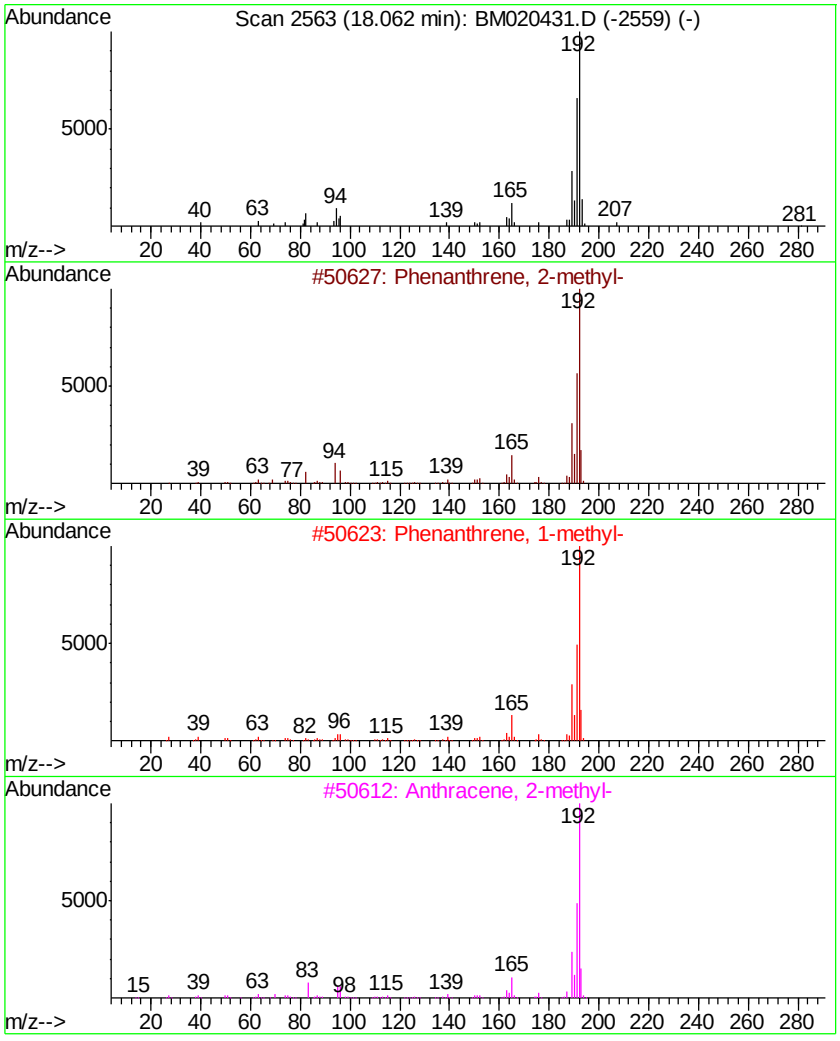
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

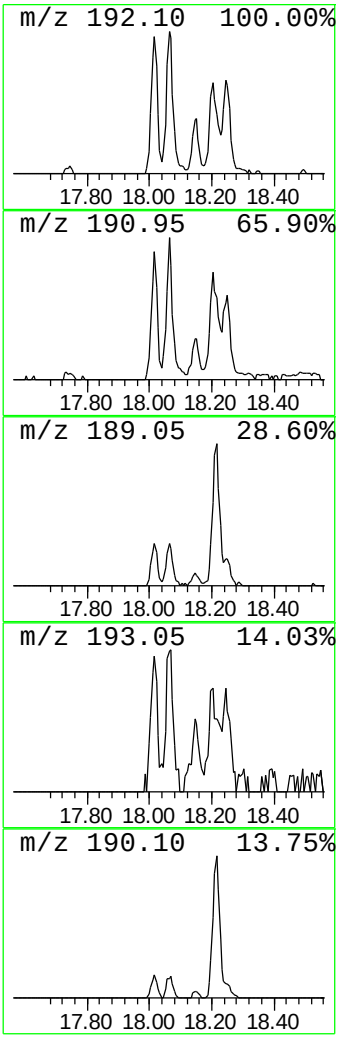
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	2.27 ng/ul	79109	Phenanthrene-d10	17.14

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020431.D
Acq On : 20 May 2019 16:42
Operator : JU/SJ
Sample : K2633-13MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA5MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

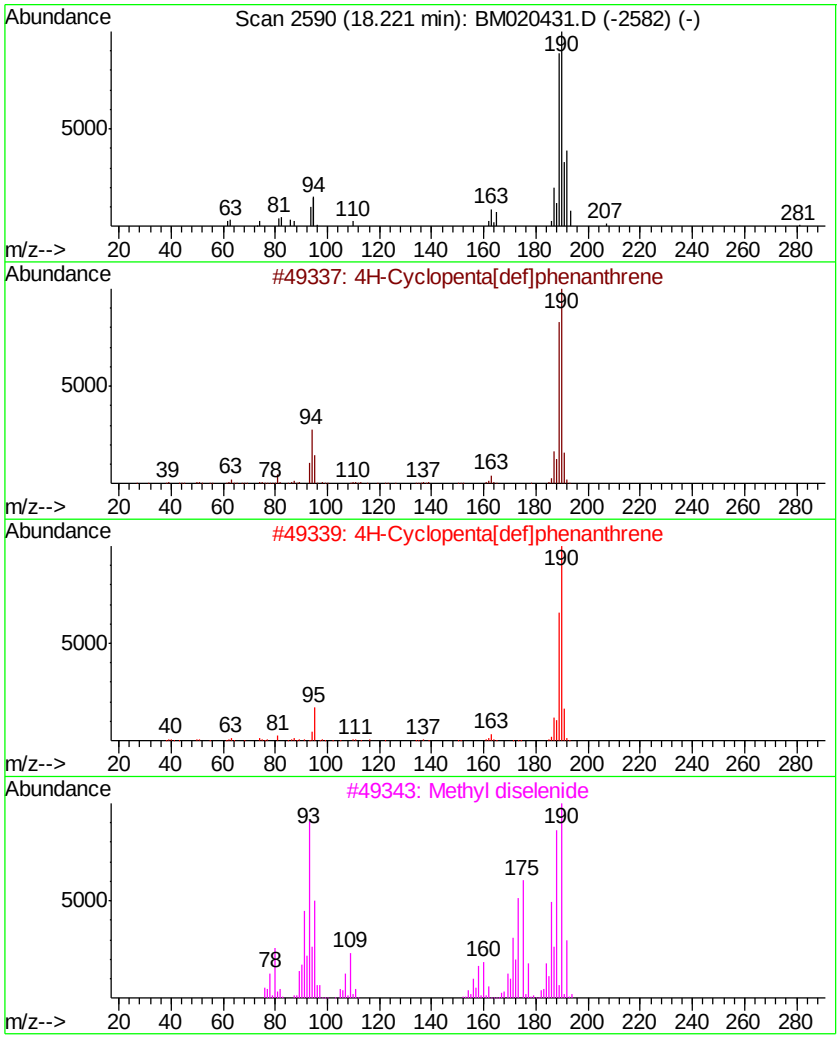
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

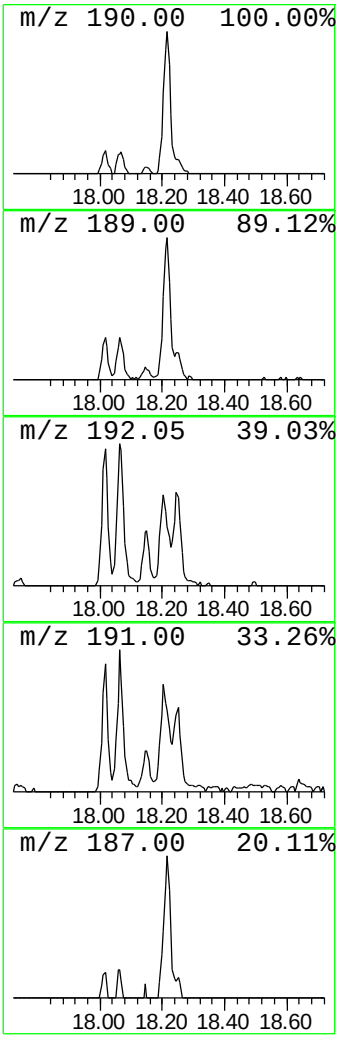
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	3.74 ng/ul	130512	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020431.D
Acq On : 20 May 2019 16:42
Operator : JU/SJ
Sample : K2633-13MEDL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJA5MEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.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
Indene	8.26	5.4	ng/ul	92600	1	7.73	343039	20.0
Naphthalene, 1-me...	12.42	9.5	ng/ul	221552	2	10.53	468017	20.0
Naphthalene, 2,3-...	13.70	2.6	ng/ul	77465	3	14.39	605511	20.0
Phenanthrene, 1-m...	18.02	2.0	ng/ul	71289	4	17.14	697395	20.0
Phenanthrene, 2-m...	18.06	2.3	ng/ul	79109	4	17.14	697395	20.0
4H-Cyclopenta[def...	18.22	3.7	ng/ul	130512	4	17.14	697395	20.0