LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002790.D
Acq On : 30 Sep 2015 20:10
Operator : UM/IZ
Sample : G3798-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G65

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.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	3.116	3	5	13	rVB	50092	55406	2.31%	0.353%
2	3.363	40	47	54	rBV	167823	369031	15.42%	2.354%
3	3.457	57	63	82	rVB	1578377	2393786	100.00%	15.271%
4	3.769	112	116	122	rVB	5203	7518	0.31%	0.048%
5	4.375	214	219	226	rVB	16914	25150	1.05%	0.160%
6	4.504	237	241	246	rVB2	2397	4050	0.17%	0.026%
7	4.628	258	262	266	rVB2	2834	4470	0.19%	0.029%
8	5.245	362	367	370	rVB3	2671	3966	0.17%	0.025%
9	5.628	426	432	440	rBV2	4378	9006	0.38%	0.057%
10	5.734	445	450	456	rVB2	3654	4789	0.20%	0.031%
11	6.216	528	532	537	rBV2	2220	4364	0.18%	0.028%
12	7.622	766	771	776	rBV3	2137	4158	0.17%	0.027%
13	7.822	799	805	813	rBV	68051	115463	4.82%	0.737%
14	7.992	828	834	842	rBV	76112	125093	5.23%	0.798%
15	8.216	866	872	879	rBV	91115	155714	6.50%	0.993%
16	8.698	948	954	962	rVB	204122	349188	14.59%	2.228%
17	9.404	1065	1074	1084	rBV	73594	128613	5.37%	0.820%
18	9.539	1091	1097	1102	rBV2	3323	5077	0.21%	0.032%
19	9.898	1150	1158	1164	rBV	83487	147122	6.15%	0.939%
20	10.627	1276	1282	1289	rVB	64018	109367	4.57%	0.698%
21	11.174	1365	1375	1387	rBV	80812	155046	6.48%	0.989%
22	11.563	1432	1441	1447	rBV	278068	485126	20.27%	3.095%
23	11.610	1447	1449	1457	rVV2	7209	11366	0.47%	0.073%
24	11.686	1457	1462	1475	rVB	48385	94105	3.93%	0.600%
25	12.868	1659	1663	1666	rBV	3390	4139	0.17%	0.026%
26	13.168	1710	1714	1719	rVB	7990	12400	0.52%	0.079%
27	13.380	1745	1750	1757	rBV	5012	8352	0.35%	0.053%
28	13.651	1791	1796	1800	rBV	4735	6765	0.28%	0.043%
29	13.786	1814	1819	1822	rVB2	2470	3730	0.16%	0.024%
30	13.886	1831	1836	1840	rBV	7062	10385	0.43%	0.066%
31	14.068	1862	1867	1870	rBV	3851	5524	0.23%	0.035%
32	14.468	1931	1935	1940	rBV4	2682	5333	0.22%	0.034%
33	14.621	1955	1961	1965	rBV2	3875	6155	0.26%	0.039%
34	14.674	1965	1970	1974	rVV	193686	261269	10.91%	1.667%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002790.D
Acq On : 30 Sep 2015 20:10
Operator : UM/IZ
Sample : G3798-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G65

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Title : SVOA CALIBRATION

35	14.721	1974	1978	1986	rVB	83790	115007	4.80%	0.734%
36	14.857	1997	2001	2005	rBV2	2346	4498	0.19%	0.029%
37	14.998	2018	2025	2039	rBV	230019	392853	16.41%	2.506%
38	15.115	2039	2045	2053	rBV2	8357	13008	0.54%	0.083%
39	15.298	2069	2076	2083	rVB2	365987	563880	23.56%	3.597%
40	15.357	2083	2086	2091	rBV	5250	7623	0.32%	0.049%
41	15.480	2101	2107	2118	rBV	22120	40528	1.69%	0.259%
42	15.627	2129	2132	2136	rBV2	3209	4566	0.19%	0.029%
43	15.680	2136	2141	2146	rVV3	4842	9708	0.41%	0.062%
44	15.898	2168	2178	2181	rBV3	2527	6474	0.27%	0.041%
45	16.009	2192	2197	2200	rVV2	5000	6836	0.29%	0.044%
46	16.051	2200	2204	2208	rVB2	10192	13837	0.58%	0.088%
47	16.156	2217	2222	2226	rBV3	2745	4278	0.18%	0.027%
48	16.268	2235	2241	2247	rBV	293142	433145	18.09%	2.763%
49	16.327	2247	2251	2259	rVB2	7807	13475	0.56%	0.086%
50	16.398	2259	2263	2267	rBV	11772	15440	0.65%	0.098%
51	16.445	2267	2271	2276	rVB3	5431	7921	0.33%	0.051%
52	16.603	2295	2298	2302	rBV2	3536	6075	0.25%	0.039%
53	16.751	2319	2323	2330	rVB3	6210	12142	0.51%	0.077%
54	16.915	2349	2351	2357	rVB	19529	24030	1.00%	0.153%
55	17.098	2378	2382	2388	rVB2	11279	16266	0.68%	0.104%
56	17.292	2412	2415	2416	rBV2	4529	3959	0.17%	0.025%
57	17.468	2439	2445	2448	rBV3	2255	4389	0.18%	0.028%
58	17.527	2450	2455	2458	rBV3	5863	10475	0.44%	0.067%
59	17.674	2474	2480	2485	rBV5	23914	36997	1.55%	0.236%
60	17.727	2485	2489	2495	rVV2	10371	18142	0.76%	0.116%
61	17.833	2503	2507	2512	rVB2	7176	11761	0.49%	0.075%
62	18.009	2531	2537	2541	rBV	403199	614061	25.65%	3.917%
63	18.050	2541	2544	2549	rVV	171993	237366	9.92%	1.514%
64	18.109	2549	2554	2558	rVV	298316	453353	18.94%	2.892%
65	18.145	2558	2560	2566	rVV	66065	76371	3.19%	0.487%
66	18.203	2566	2570	2578	rVB4	6183	13355	0.56%	0.085%
67	18.303	2582	2587	2596	rVB4	12122	23124	0.97%	0.148%
68	18.403	2599	2604	2610	rBV4	34878	56599	2.36%	0.361%
69	18.503	2617	2621	2624	rBV2	5756	8441	0.35%	0.054%
70	18.550	2626	2629	2632	rBV2	5404	8045	0.34%	0.051%
71	18.586	2632	2635	2637	rVB3	6512	5741	0.24%	0.037%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002790.D
Acq On : 30 Sep 2015 20:10
Operator : UM/IZ
Sample : G3798-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G65

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Title : SVOA CALIBRATION

72	18.674	2644	2650	2653	rBV7	5434	10388	0.43%	0.066%
73	18.803	2668	2672	2675	rBV3	20648	27936	1.17%	0.178%
74	18.862	2677	2682	2685	rBV	29312	41079	1.72%	0.262%
75	18.909	2685	2690	2697	rVB2	41407	73630	3.08%	0.470%
76	18.986	2699	2703	2708	rBV	22838	31901	1.33%	0.204%
77	19.062	2708	2716	2718	rBV2	44015	94455	3.95%	0.603%
78	19.203	2736	2740	2743	rBV5	6405	10023	0.42%	0.064%
79	19.333	2757	2762	2768	rBV2	35130	50919	2.13%	0.325%
80	19.392	2768	2772	2778	rBV4	21581	30734	1.28%	0.196%
81	19.574	2799	2803	2806	rBV4	15705	18097	0.76%	0.115%
82	19.621	2808	2811	2815	rBV2	12666	16198	0.68%	0.103%
83	19.656	2815	2817	2820	rBV3	8298	9715	0.41%	0.062%
84	19.739	2827	2831	2835	rBV	32805	45934	1.92%	0.293%
85	20.009	2870	2877	2887	rBV	565920	797171	33.30%	5.085%
86	20.156	2898	2902	2907	rBV	43720	70900	2.96%	0.452%
87	20.339	2926	2933	2935	rBV2	383765	640837	26.77%	4.088%
88	20.368	2935	2938	2943	rVV	545536	717445	29.97%	4.577%
89	20.421	2944	2947	2951	rVB2	31424	46732	1.95%	0.298%
90	20.527	2963	2965	2969	rVB	29308	34492	1.44%	0.220%
91	20.668	2985	2989	2995	rBV2	45703	95629	3.99%	0.610%
92	21.703	3162	3165	3168	rBV	97409	139847	5.84%	0.892%
93	21.815	3181	3184	3188	rBV2	62133	82904	3.46%	0.529%
94	22.091	3225	3231	3236	rBV2	584148	1300162	54.31%	8.294%
95	22.133	3236	3238	3244	rVB	274122	371536	15.52%	2.370%
96	23.891	3532	3537	3543	rBV	288375	716028	29.91%	4.568%
97	24.462	3630	3634	3639	rBV	151941	249033	10.40%	1.589%
98	24.521	3640	3644	3649	rVV	185656	369209	15.42%	2.355%
99	24.579	3650	3654	3663	rVB	274863	526242	21.98%	3.357%
100	24.691	3667	3673	3679	rBV	327418	671763	28.06%	4.285%

Sum of corrected areas: 15675734

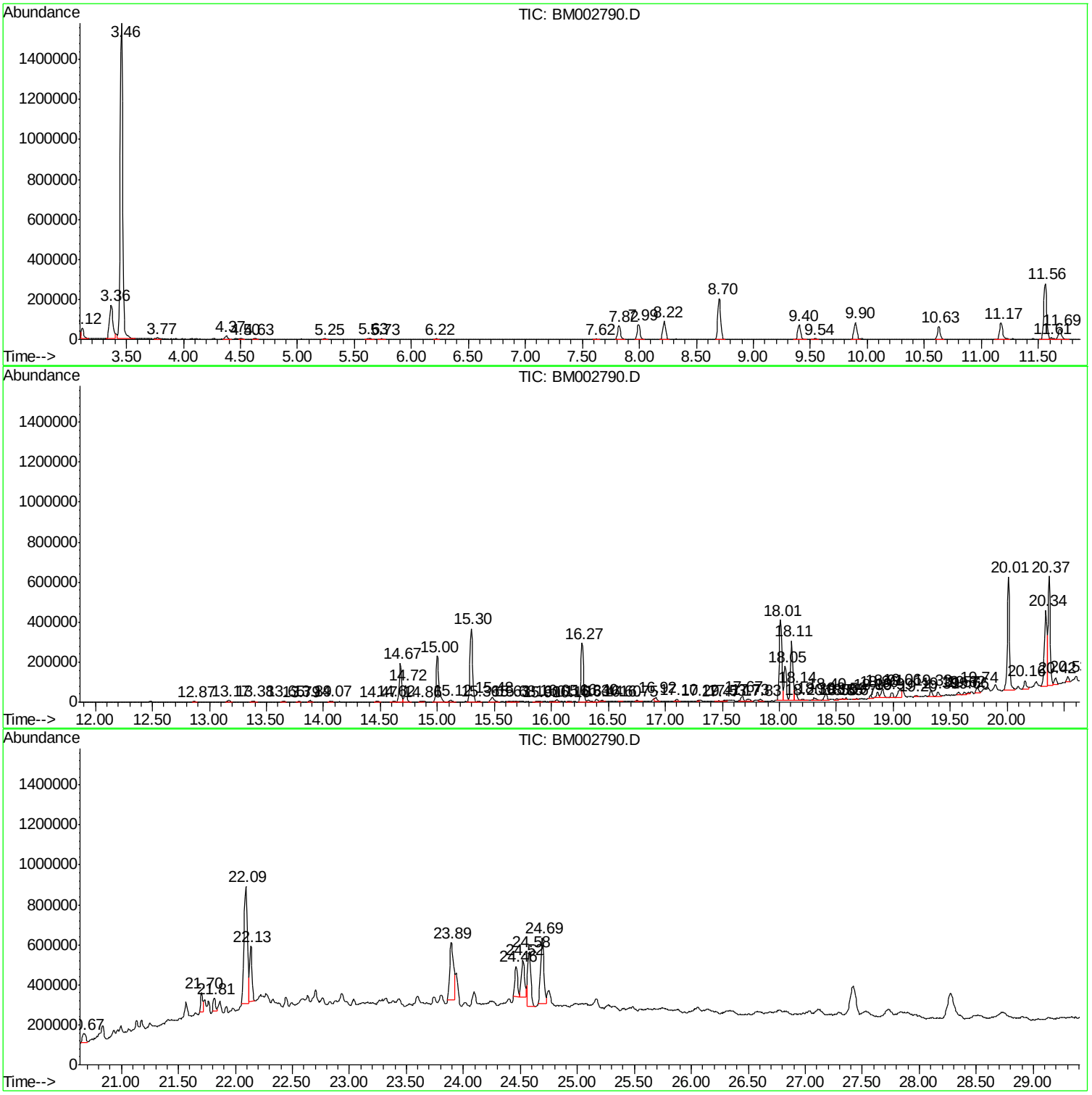
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002790.D
Acq On : 30 Sep 2015 20:10
Operator : UM/IZ
Sample : G3798-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G65

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002790.D
Acq On : 30 Sep 2015 20:10
Operator : UM/IZ
Sample : G3798-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G65

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

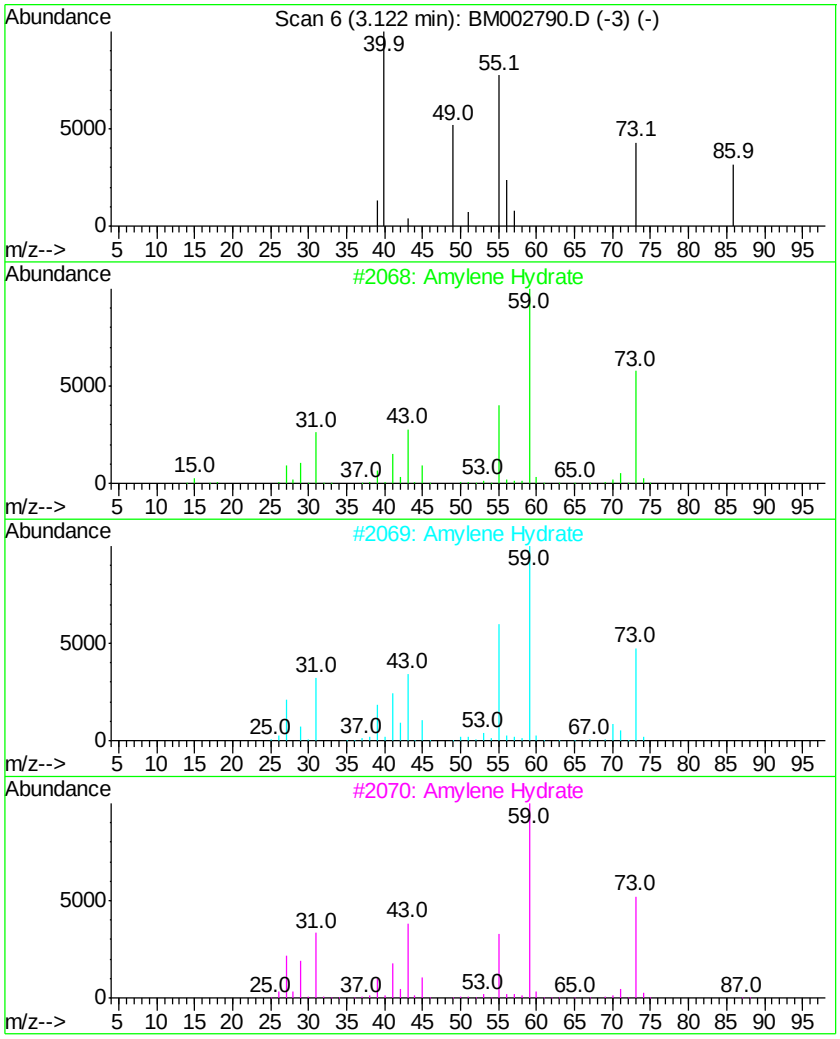
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

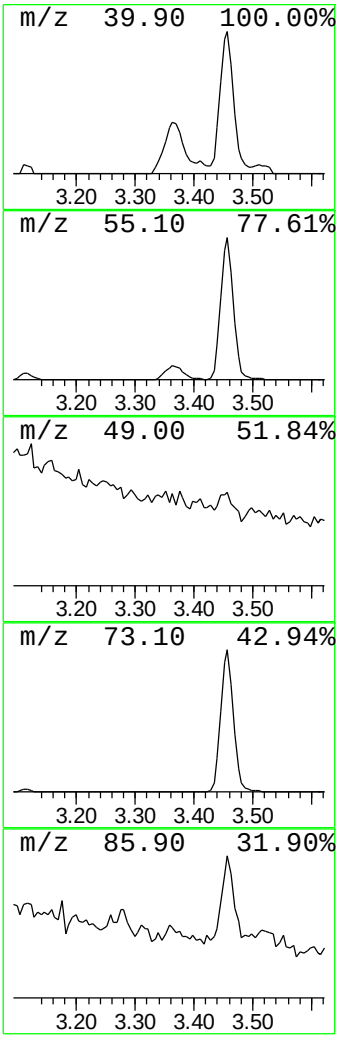
****

Peak Number 1 Amylene Hydrate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.12	3.17 ng/ul	55406	1,4-Dichlorobenzene-d4	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene Hydrate	88	C5H12O	000075-85-4	64
2	Amylene Hydrate	88	C5H12O	000075-85-4	40
3	Amylene Hydrate	88	C5H12O	000075-85-4	9
4	4-Pentene-2-ol, 2-methyl	100	C6H12O	000624-97-5	9
5	Silane, trimethyl-	74	C3H10Si	000993-07-7	9





Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002790.D
Acq On : 30 Sep 2015 20:10
Operator : UM/IZ
Sample : G3798-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G65

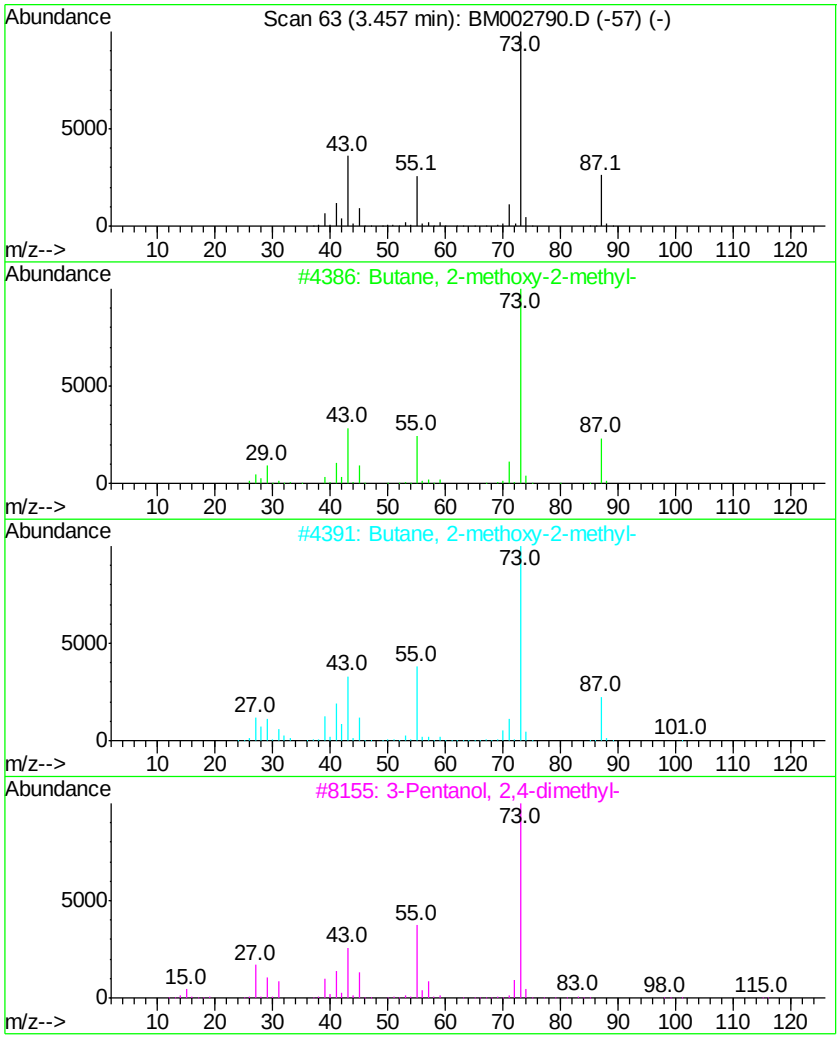
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

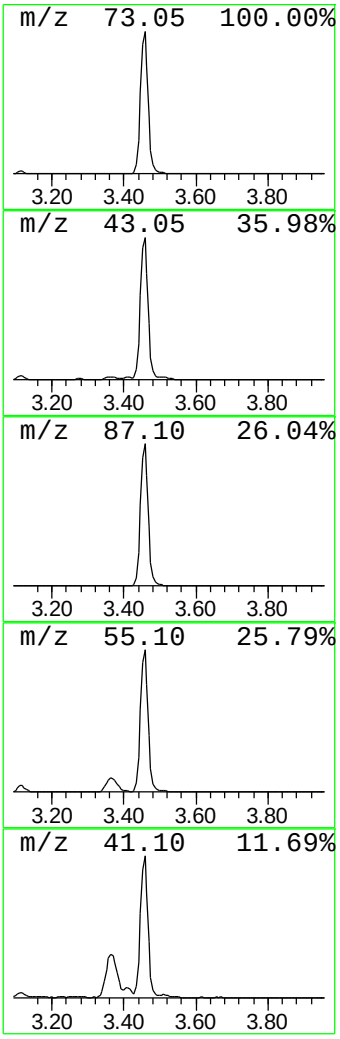
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.46	137.11 ng/ul	2393790	1,4-Dichlorobenzene-d4	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002790.D
Acq On : 30 Sep 2015 20:10
Operator : UM/IZ
Sample : G3798-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G65

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

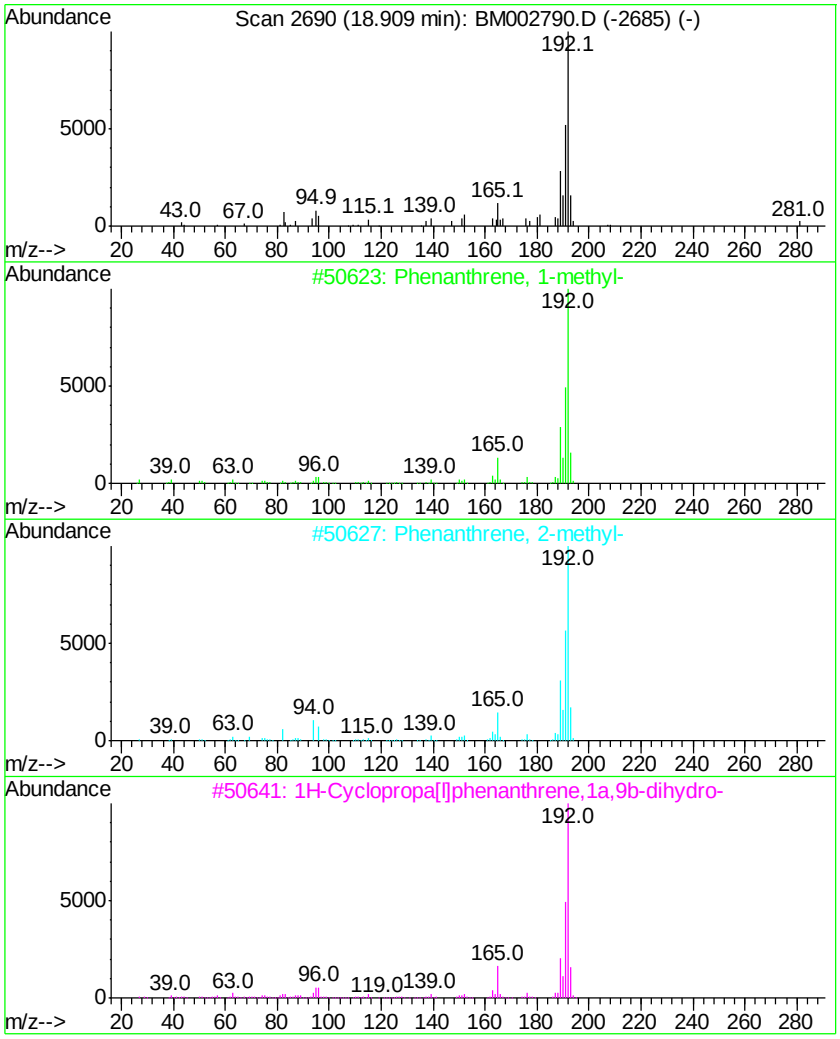
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

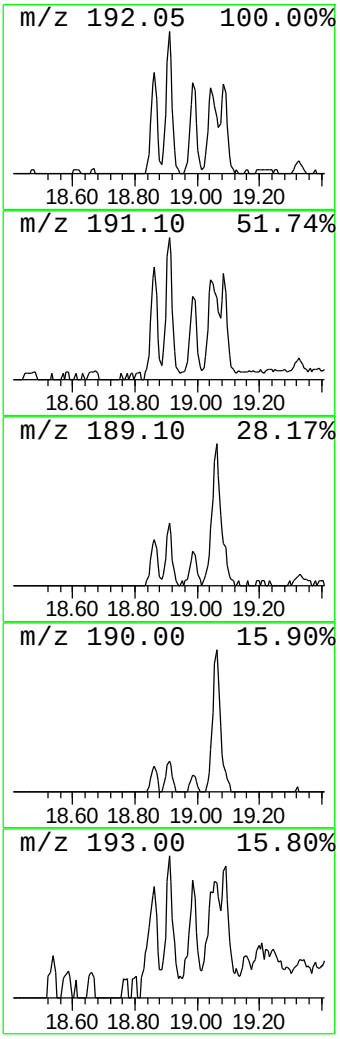
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	2.40 ng/ul	73630	Phenanthrene-d10	18.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87





Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002790.D
Acq On : 30 Sep 2015 20:10
Operator : UM/IZ
Sample : G3798-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G65

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

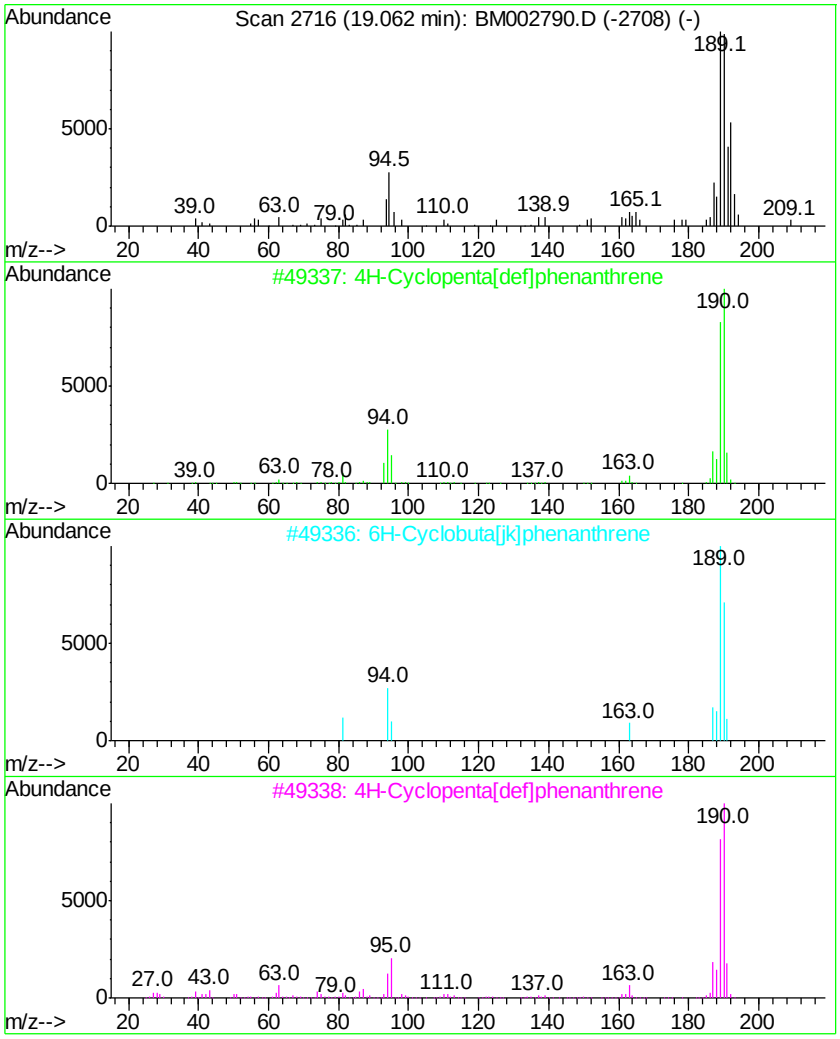
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

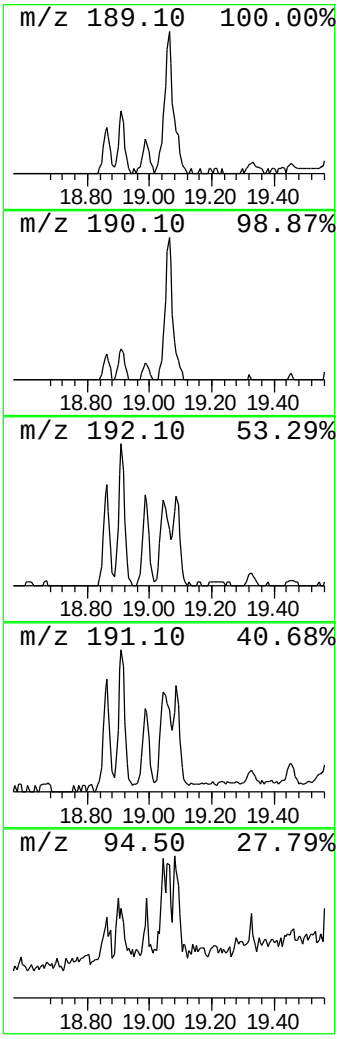
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	3.08 ng/ul	94455	Phenanthrene-d10	18.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
5	Methyl diselenide	190	C2H6Se2	007101-31-7	38





Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002790.D
Acq On : 30 Sep 2015 20:10
Operator : UM/IZ
Sample : G3798-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G65

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

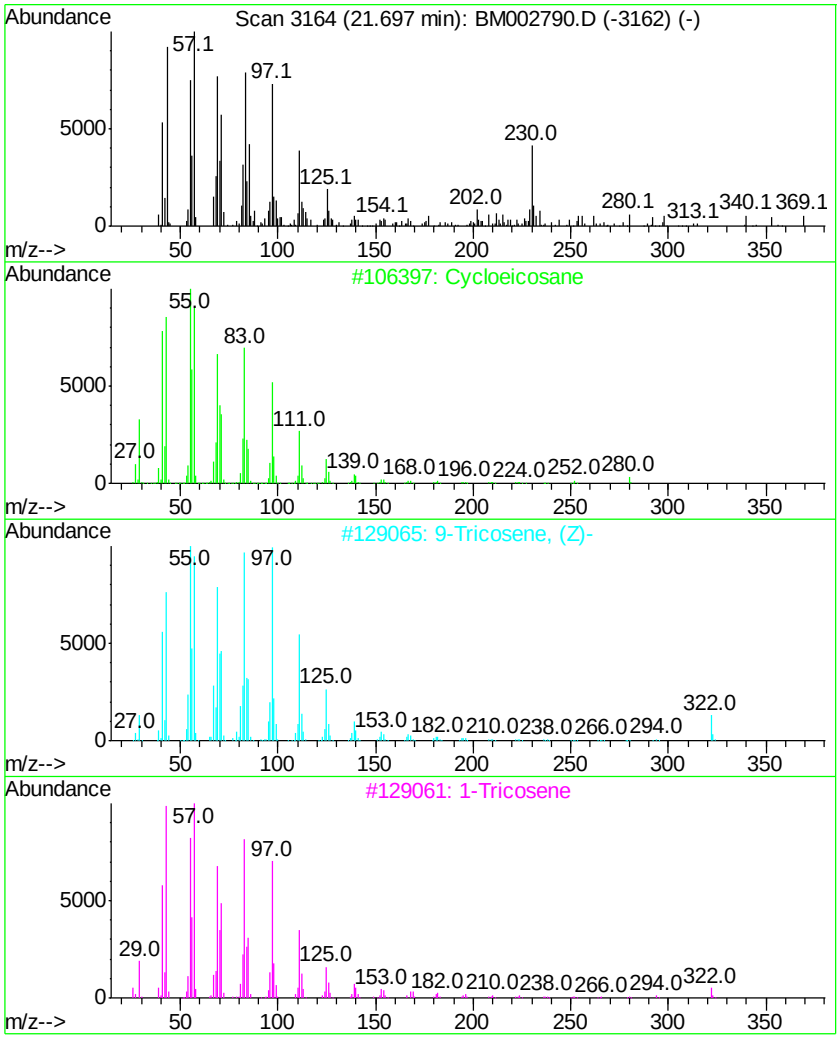
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

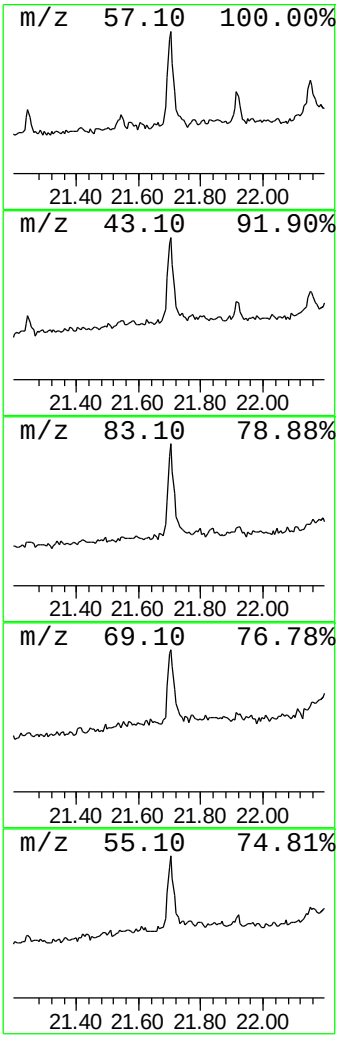
****

Peak Number 6 (DEL) Alkane: Cyclic21.70 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.70	2.15 ng/ul	139847	Chrysene-d12	22.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloeicosane	280	C20H40	000296-56-0	98
2	9-Tricosene, (Z)-	322	C23H46	027519-02-4	95
3	1-Tricosene	322	C23H46	018835-32-0	93
4	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	93
5	9-Tricosene, (Z)-	322	C23H46	027519-02-4	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092915\
Data File : BM002790.D
Acq On : 30 Sep 2015 20:10
Operator : UM/IZ
Sample : G3798-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G65

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.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
Amylene Hydrate	3.12	3.2	ng/ul	55406	1	8.70	349188	20.0
Butane, 2-methoxy...	3.46	137.1	ng/ul	2393790	1	8.70	349188	20.0
Phenanthrene, 1-m...	18.91	2.4	ng/ul	73630	4	18.01	614061	20.0
4H-Cyclopenta[def...	19.06	3.1	ng/ul	94455	4	18.01	614061	20.0
(DEL) Alkane: Cyc...	21.70	2.1	ng/ul	139847	5	22.10	1300160	20.0