LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121115\
Data File : BM003484.D
Acq On : 11 Dec 2015 15:53
Operator : UM/IZ
Sample : G4718-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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-BM120115.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	3.181	13	16	23	rVB	4086	5602	0.24%	0.027%
2	6.887	641	646	654	rVB	74005	108976	4.71%	0.535%
3	7.052	668	674	684	rBB	230654	347384	15.00%	1.704%
4	7.252	702	708	716	rBB	262796	398494	17.21%	1.955%
5	7.722	779	788	794	rBV	301216	484280	20.91%	2.376%
6	7.781	794	798	806	rVB2	5525	9882	0.43%	0.048%
7	8.069	843	847	852	rBB	10535	14521	0.63%	0.071%
8	8.422	901	907	914	rBV	218317	339132	14.65%	1.664%
9	8.481	914	917	922	rVB	2719	3678	0.16%	0.018%
10	8.875	978	984	994	rVB	270184	427309	18.45%	2.097%
11	9.028	1007	1010	1015	rBV3	2351	4762	0.21%	0.023%
12	9.199	1034	1039	1042	rVB2	1754	2445	0.11%	0.012%
13	9.299	1052	1056	1058	rVB	2438	2574	0.11%	0.013%
14	9.357	1063	1066	1072	rBV	4230	6302	0.27%	0.031%
15	9.428	1076	1078	1083	rVB	3102	3487	0.15%	0.017%
16	9.593	1099	1106	1113	rBV	218783	362542	15.66%	1.779%
17	9.693	1118	1123	1128	rVV3	5673	7492	0.32%	0.037%
18	9.763	1131	1135	1137	rVV2	2142	3244	0.14%	0.016%
19	9.787	1137	1139	1143	rVB2	3253	4262	0.18%	0.021%
20	9.852	1148	1150	1155	rVB2	2737	4379	0.19%	0.021%
21	9.928	1158	1163	1166	rBV3	2578	4830	0.21%	0.024%
22	9.957	1166	1168	1172	rVB3	2283	3278	0.14%	0.016%
23	10.057	1180	1185	1188	rBV3	2714	4901	0.21%	0.024%
24	10.134	1188	1198	1207	rVV	363466	605865	26.16%	2.973%
25	10.240	1212	1216	1222	rVV3	4902	9420	0.41%	0.046%
26	10.287	1222	1224	1230	rVB5	2512	3905	0.17%	0.019%
27	10.369	1234	1238	1241	rVV4	2921	4196	0.18%	0.021%
28	10.410	1241	1245	1248	rVV4	2888	5596	0.24%	0.027%
29	10.510	1251	1262	1270	rVV	463716	770552	33.28%	3.781%
30	10.587	1270	1275	1278	rVV4	2529	4503	0.19%	0.022%
31	10.669	1278	1289	1294	rVV4	17685	43729	1.89%	0.215%
32	10.734	1296	1300	1305	rVV3	10637	17810	0.77%	0.087%
33	10.799	1308	1311	1317	rVB3	4335	7766	0.34%	0.038%
34	10.899	1319	1328	1335	rBV5	5381	18958	0.82%	0.093%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121115\
Data File : BM003484.D
Acq On : 11 Dec 2015 15:53
Operator : UM/IZ
Sample : G4718-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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-BM120115.M
Title : SVOA CALIBRATION

35	10.999	1335	1345	1353	rVV3	9925	23767	1.03%	0.117%
36	11.093	1353	1361	1365	rVB7	4259	11367	0.49%	0.056%
37	11.169	1371	1374	1376	rBV3	5457	8195	0.35%	0.040%
38	11.275	1389	1392	1394	rBV4	2402	2607	0.11%	0.013%
39	11.340	1399	1403	1411	rBV3	17901	33931	1.47%	0.166%
40	11.493	1426	1429	1433	rBV5	3343	5845	0.25%	0.029%
41	11.569	1438	1442	1446	rVV5	12116	22645	0.98%	0.111%
42	11.610	1446	1449	1459	rVV6	7740	18541	0.80%	0.091%
43	11.698	1459	1464	1467	rVV4	6044	9829	0.42%	0.048%
44	11.793	1475	1480	1485	rBV3	11073	20191	0.87%	0.099%
45	11.840	1485	1488	1492	rVB4	5690	8403	0.36%	0.041%
46	11.963	1506	1509	1515	rVB8	3796	7443	0.32%	0.037%
47	12.022	1517	1519	1520	rBV2	3723	2957	0.13%	0.015%
48	12.251	1550	1558	1565	rBV9	12974	41260	1.78%	0.202%
49	12.340	1570	1573	1576	rBV3	5627	7125	0.31%	0.035%
50	12.387	1577	1581	1584	rBV3	9568	14227	0.61%	0.070%
51	12.475	1592	1596	1601	rVB5	18055	24378	1.05%	0.120%
52	12.640	1621	1624	1626	rBV4	7804	10100	0.44%	0.050%
53	12.722	1634	1638	1642	rBV5	8879	17117	0.74%	0.084%
54	12.863	1658	1662	1665	rBV5	8471	17283	0.75%	0.085%
55	13.145	1706	1710	1718	rBV3	56945	110126	4.76%	0.540%
56	13.428	1755	1758	1764	rVB6	14439	20647	0.89%	0.101%
57	13.781	1812	1818	1824	rBV	741310	1061671	45.85%	5.209%
58	13.851	1827	1830	1834	rVB	41586	57998	2.50%	0.285%
59	14.016	1854	1858	1861	rBV	143976	204950	8.85%	1.006%
60	14.063	1861	1866	1871	rVB	781663	1120370	48.38%	5.497%
61	14.198	1886	1889	1897	rVB4	80125	150250	6.49%	0.737%
62	14.269	1897	1901	1905	rBV6	23008	49717	2.15%	0.244%
63	14.339	1908	1913	1914	rVV	72826	111114	4.80%	0.545%
64	14.375	1914	1919	1926	rVB2	613128	982312	42.42%	4.820%
65	14.898	2005	2008	2012	rBV6	26467	42681	1.84%	0.209%
66	15.022	2025	2029	2035	rVB3	99841	163013	7.04%	0.800%
67	15.157	2050	2052	2057	rVB	36039	43403	1.87%	0.213%
68	15.369	2082	2088	2093	rBV	970359	1402724	60.58%	6.883%
69	15.486	2103	2108	2115	rVB	224653	306938	13.26%	1.506%
70	15.922	2179	2182	2188	rBV4	56036	90526	3.91%	0.444%
71	16.210	2227	2231	2233	rBV	52615	76229	3.29%	0.374%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121115\
Data File : BM003484.D
Acq On : 11 Dec 2015 15:53
Operator : UM/IZ
Sample : G4718-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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-BM120115.M
Title : SVOA CALIBRATION

72	16.263	2237	2240	2247	rVB2	59775	122946	5.31%	0.603%
73	17.122	2381	2386	2392	rVB2	648871	932965	40.29%	4.578%
74	17.216	2397	2402	2412	rVB2	982357	1440308	62.20%	7.067%
75	19.521	2789	2794	2800	rBV	1084302	1426274	61.59%	6.998%
76	19.839	2845	2848	2855	rVB	84316	111674	4.82%	0.548%
77	20.780	3004	3008	3015	rVB	75189	106234	4.59%	0.521%
78	21.027	3047	3050	3058	rVB3	75159	101152	4.37%	0.496%
79	21.233	3080	3085	3094	rBV	2042246	2315618	100.00%	11.362%
80	21.315	3095	3099	3110	rVB	762077	989838	42.75%	4.857%
81	21.468	3122	3125	3130	rVB	70546	83300	3.60%	0.409%
82	21.904	3196	3199	3204	rVB	64601	75690	3.27%	0.371%
83	22.368	3275	3278	3285	rVB2	55769	71641	3.09%	0.352%
84	23.427	3452	3458	3466	rBV	635905	1224288	52.87%	6.007%
85	23.574	3476	3483	3495	rVB	518733	1030742	44.51%	5.057%

Sum of corrected areas: 20380606

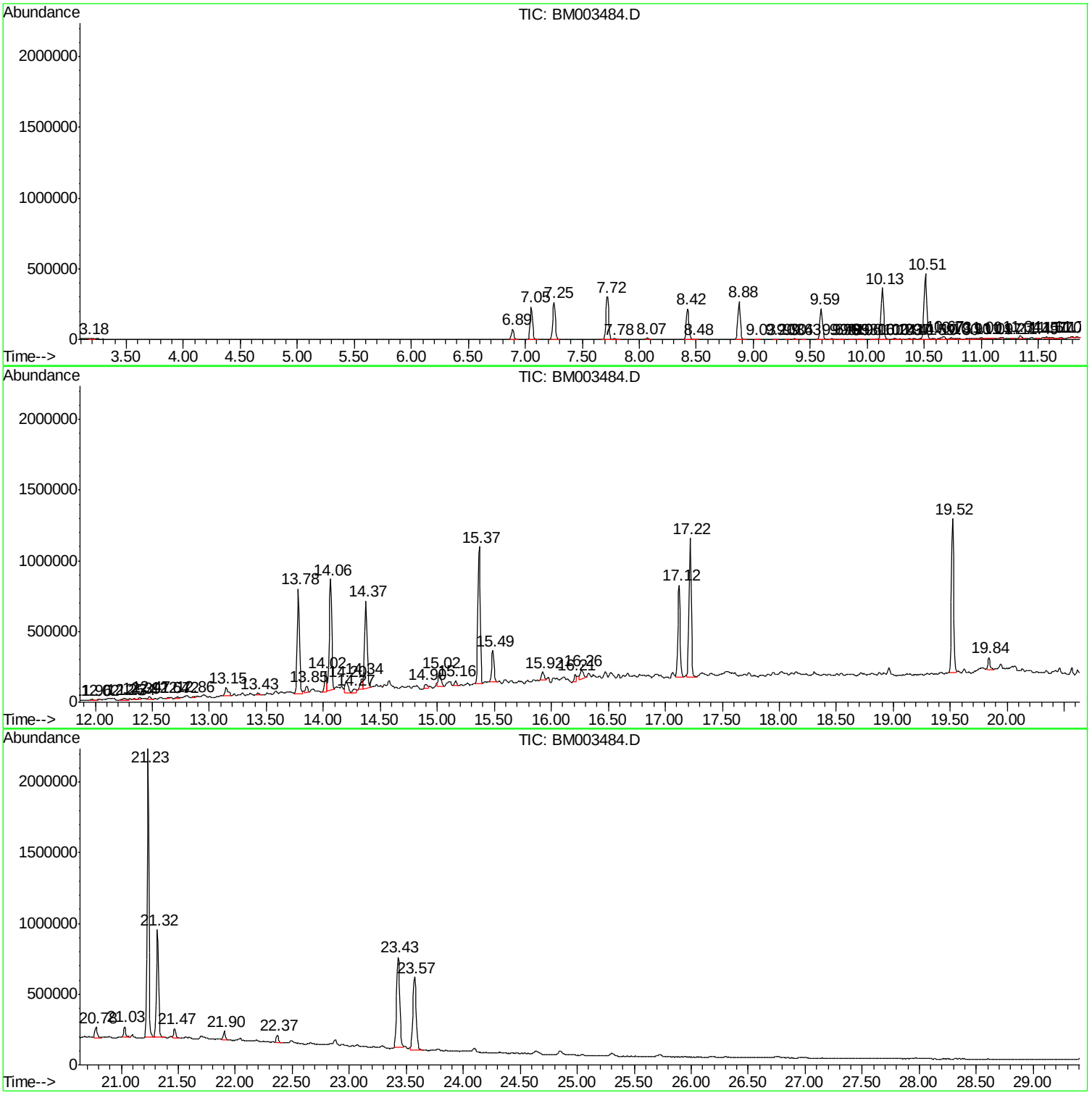
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121115\
Data File : BM003484.D
Acq On : 11 Dec 2015 15:53
Operator : UM/IZ
Sample : G4718-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM120115.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121115\
Data File : BM003484.D
Acq On : 11 Dec 2015 15:53
Operator : UM/IZ
Sample : G4718-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM120115.M
Quant Title : SVOA CALIBRATION

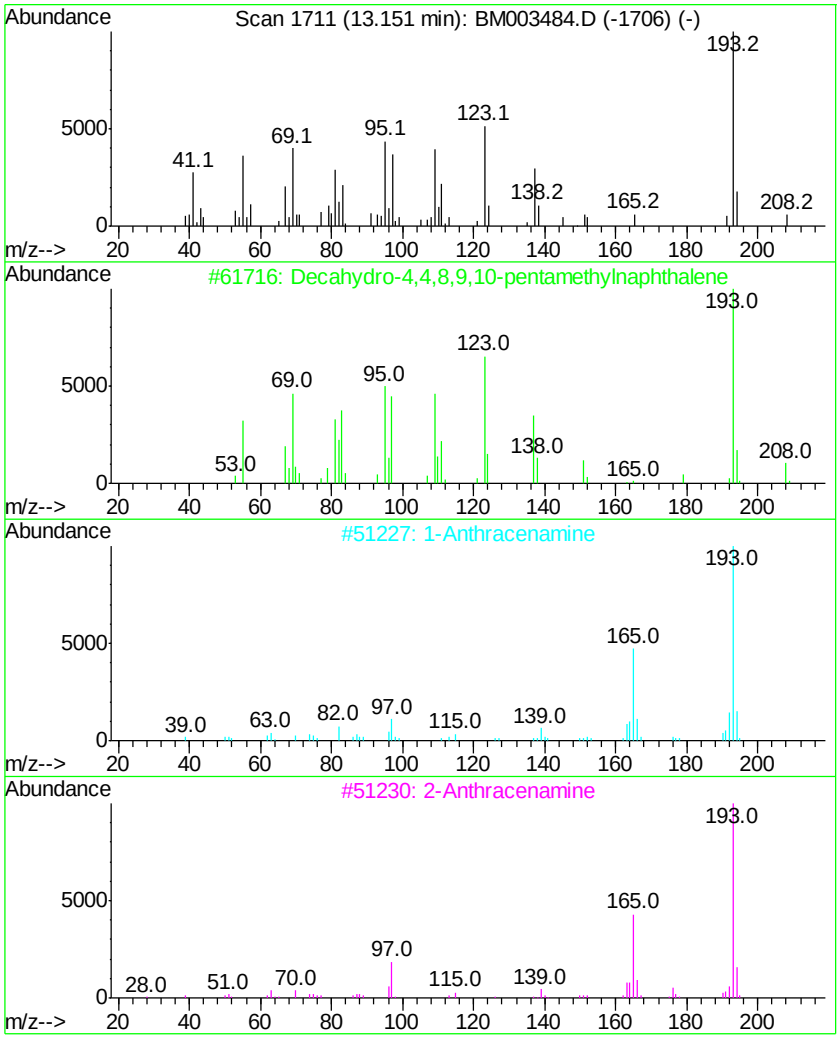
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

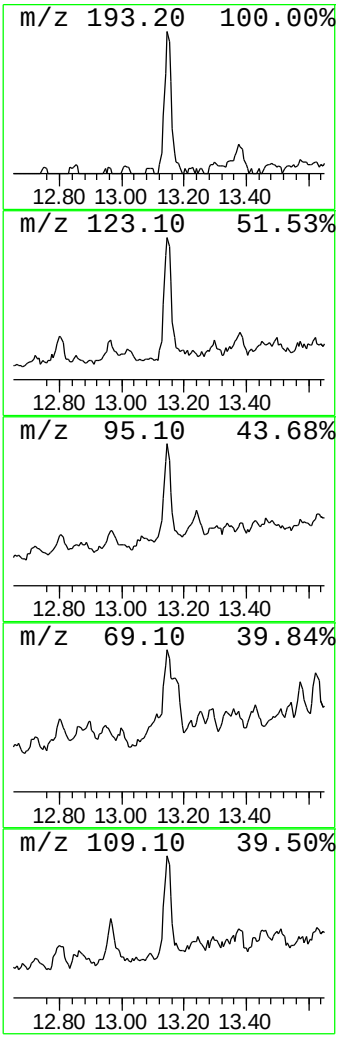
****

Peak Number 1 (DEL) Alkane: Branched13.15 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	2.24 ng/ul	110126	Acenaphthene-d10	14.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	91
2	1-Anthracenamine	193	C14H11N	000610-49-1	25
3	2-Anthracenamine	193	C14H11N	000613-13-8	22
4	6-Methylphenanthridine	193	C14H11N	003955-65-5	14
5	9-Phenanthrenamine	193	C14H11N	000947-73-9	14





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121115\
Data File : BM003484.D
Acq On : 11 Dec 2015 15:53
Operator : UM/IZ
Sample : G4718-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM120115.M
Quant Title : SVOA CALIBRATION

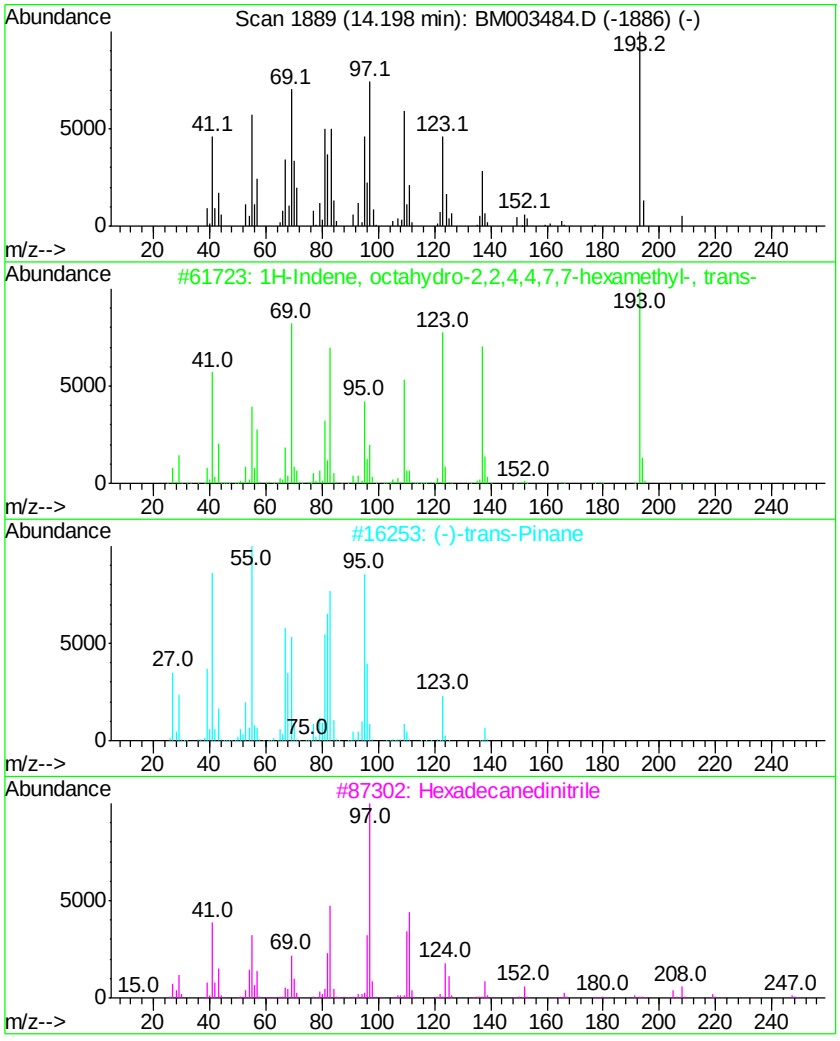
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

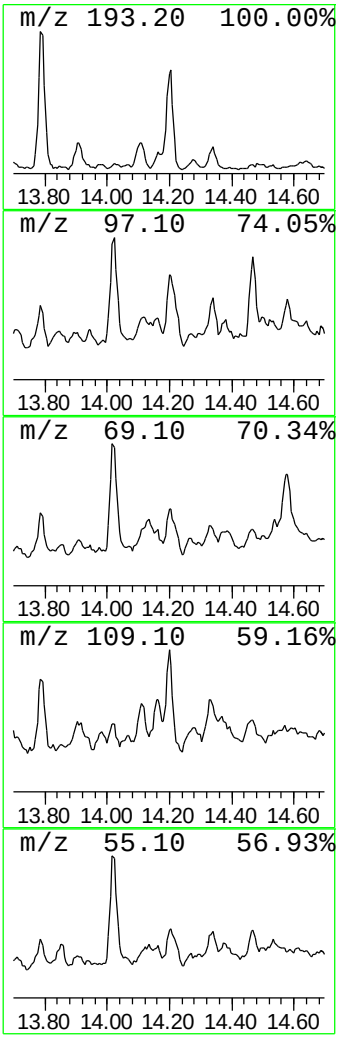
****

Peak Number 2 (DEL) Alkane: Branched14.20 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	3.06 ng/ul	150250	Acenaphthene-d10	14.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	38
2	(-)-trans-Pinane	138	C10H18	033626-25-4	35
3	Hexadecanedinitrile	248	C16H28N2	006812-44-8	27
4	Cyclohexane, 2,4-diisopropyl-1,1...	196	C14H28	1000149-60-5	22
5	2,6-Heptadienal, 2,4-dimethyl-	138	C9H14O	085136-08-9	22





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121115\
Data File : BM003484.D
Acq On : 11 Dec 2015 15:53
Operator : UM/IZ
Sample : G4718-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM120115.M
Quant Title : SVOA CALIBRATION

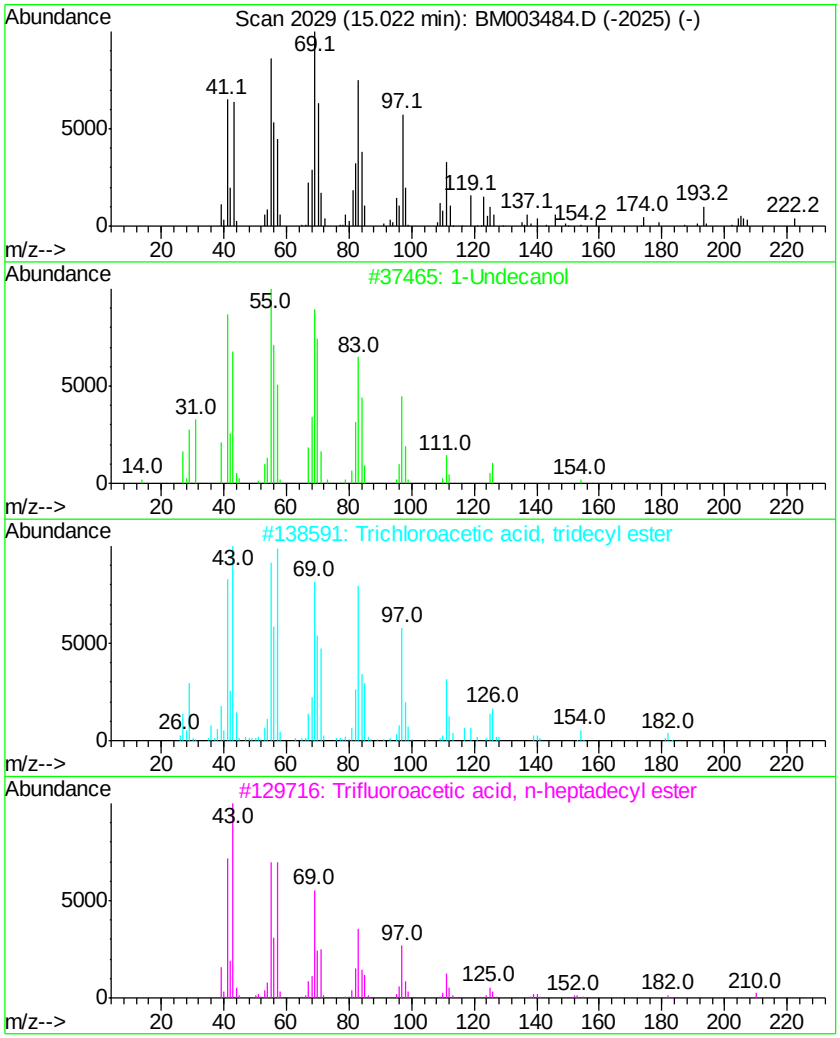
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

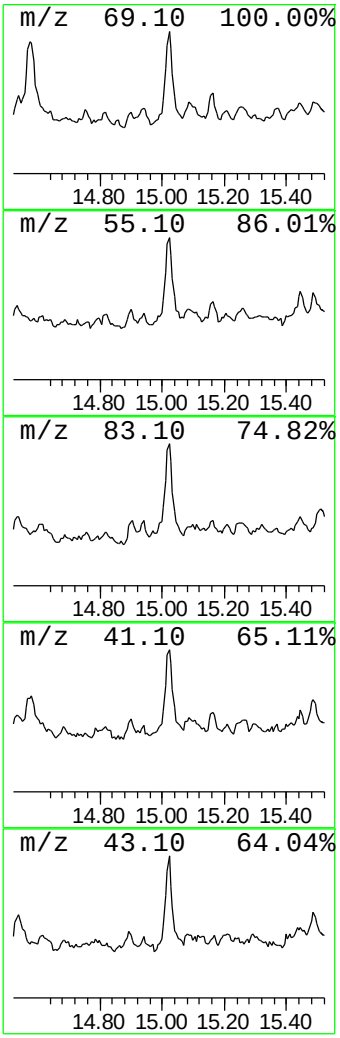
****

Peak Number 3 1-Undecanol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	3.32 ng/ul	163013	Acenaphthene-d10	14.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Undecanol	172	C11H24O	000112-42-5	91
2	Trichloroacetic acid, tridecyl e...	344	C15H27Cl3O2	074339-51-8	91
3	Trifluoroacetic acid, n-heptadec...	324	C17H31F3O2	1000216-79-2	90
4	1-Hexadecanol	242	C16H34O	036653-82-4	90
5	5-Octadecene, (E)-	252	C18H36	007206-21-5	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121115\
Data File : BM003484.D
Acq On : 11 Dec 2015 15:53
Operator : UM/IZ
Sample : G4718-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM120115.M
Quant Title : SVOA CALIBRATION

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

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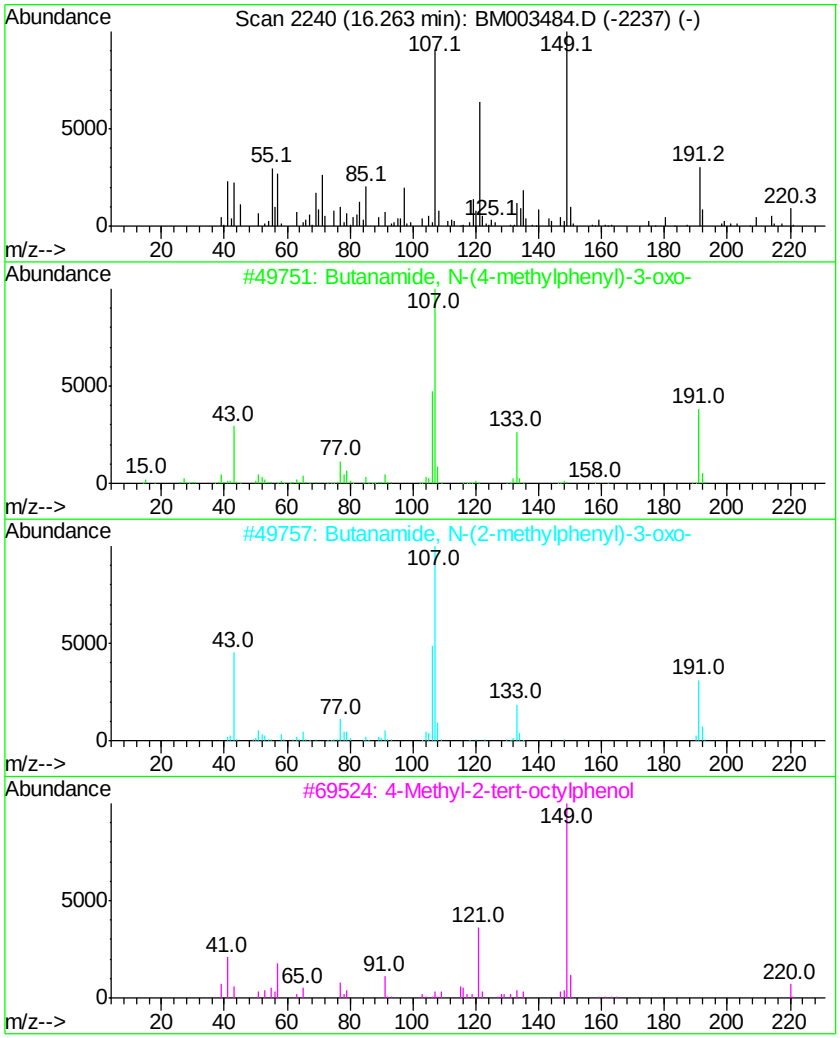
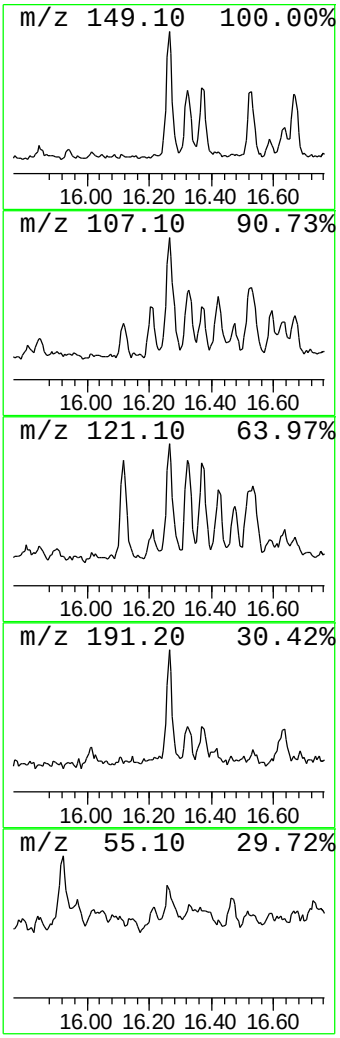
Peak Number 4 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.26	2.64 ng/ul	122946	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanamide, N-(4-methylphenyl)-3...	191	C11H13NO2	002415-85-2	30
2	Butanamide, N-(2-methylphenyl)-3...	191	C11H13NO2	000093-68-5	27
3	4-Methyl-2-tert-octylphenol	220	C15H24O	004979-46-8	27
4	Butanamide, N-(2-methylphenyl)-3...	191	C11H13NO2	000093-68-5	27
5	3,4-Dihydro-4,4-dimethylthiocoum...	192	C11H12OS	091587-25-6	27





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121115\
Data File : BM003484.D
Acq On : 11 Dec 2015 15:53
Operator : UM/IZ
Sample : G4718-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM120115.M
Quant Title : SVOA CALIBRATION

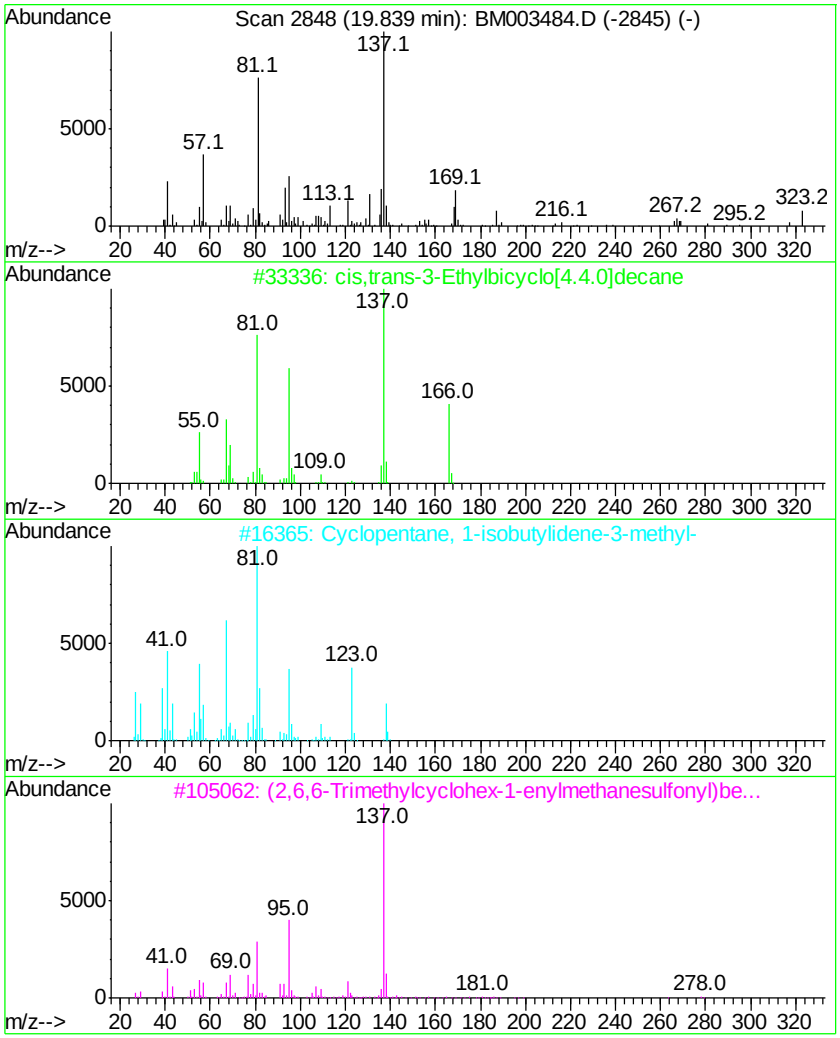
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

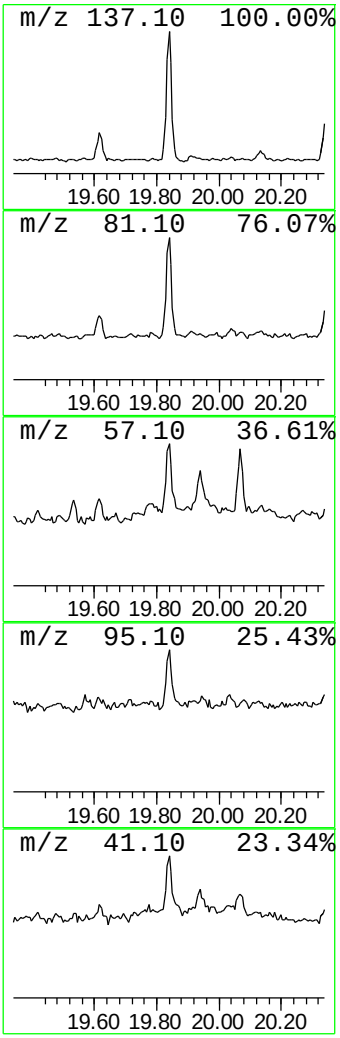
****

Peak Number 5 (DEL) Alkane: Branched19.84 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	2.26 ng/ul	111674	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis,trans-3-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-41-1	42
2	Cyclopentane, 1-isobutylidene-3-...	138	C10H18	1000150-62-1	35
3	(2,6,6-Trimethylcyclohex-1-enylm...	278	C16H22O2S	056691-74-8	35
4	4-Amino-2,3-xylenol	137	C8H11NO	003096-69-3	27
5	Spiro[3.5]nonan-1-one	138	C9H14O	029800-45-1	27





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121115\
Data File : BM003484.D
Acq On : 11 Dec 2015 15:53
Operator : UM/IZ
Sample : G4718-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM120115.M
Quant Title : SVOA CALIBRATION

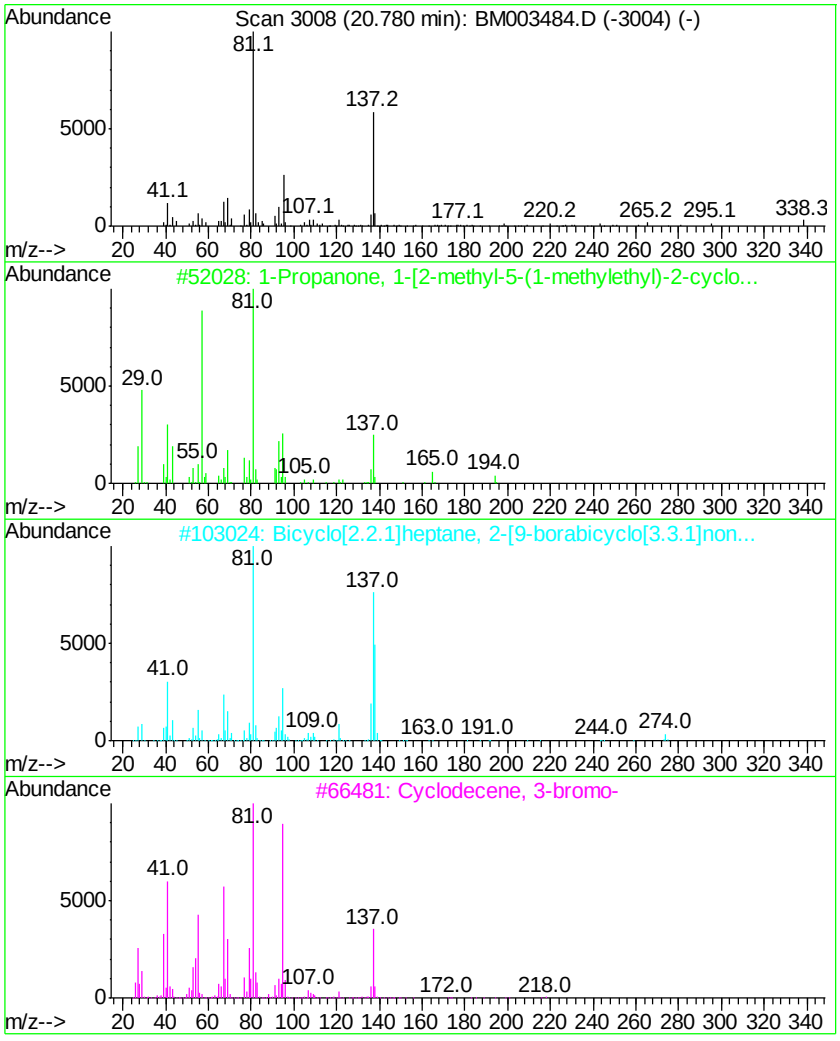
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

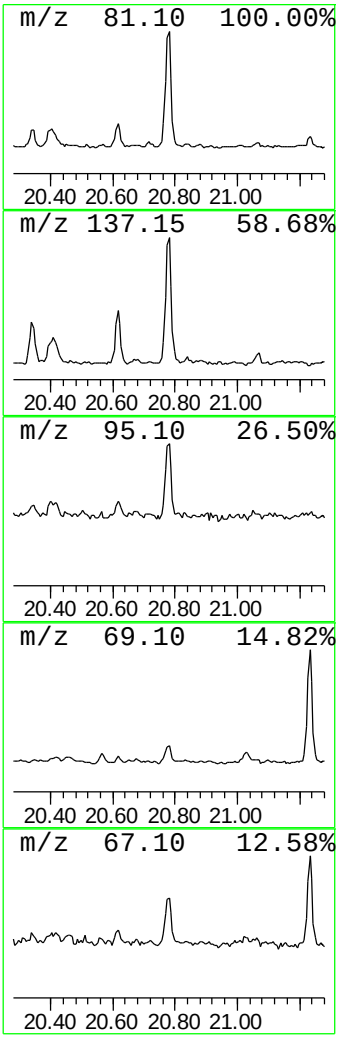
****

Peak Number 6 1-Propanone, 1-[2-methyl-5-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.78	2.15 ng/ul	106234	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanone, 1-[2-methyl-5-(1-me...	194	C13H22O	031375-17-4	64
2	Bicyclo[2.2.1]heptane, 2-[9-bora...	274	C18H31BO	1000160-80-7	56
3	Cyclodecene, 3-bromo-	216	C10H17Br	056325-56-5	40
4	2,4-Nonadienal, (E,E)-	138	C9H14O	005910-87-2	37
5	2,4-Heptadienal, (E,E)-	110	C7H10O	004313-03-5	32





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121115\
Data File : BM003484.D
Acq On : 11 Dec 2015 15:53
Operator : UM/IZ
Sample : G4718-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM120115.M
Quant Title : SVOA CALIBRATION

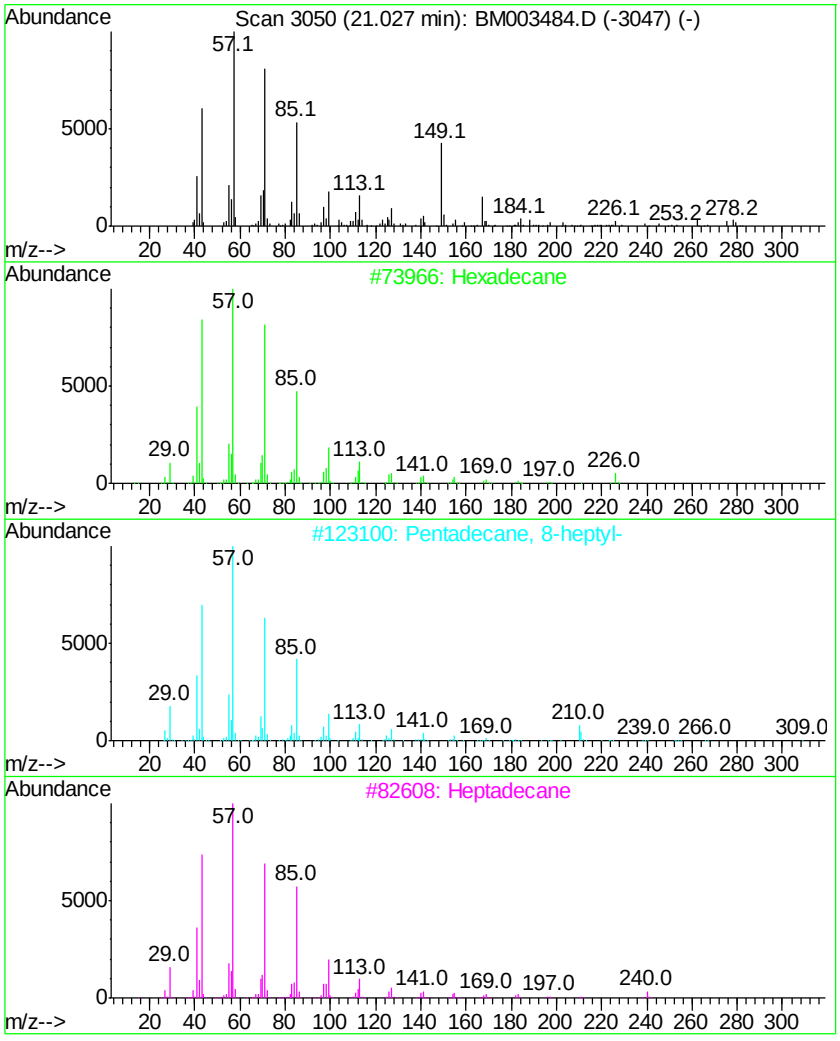
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

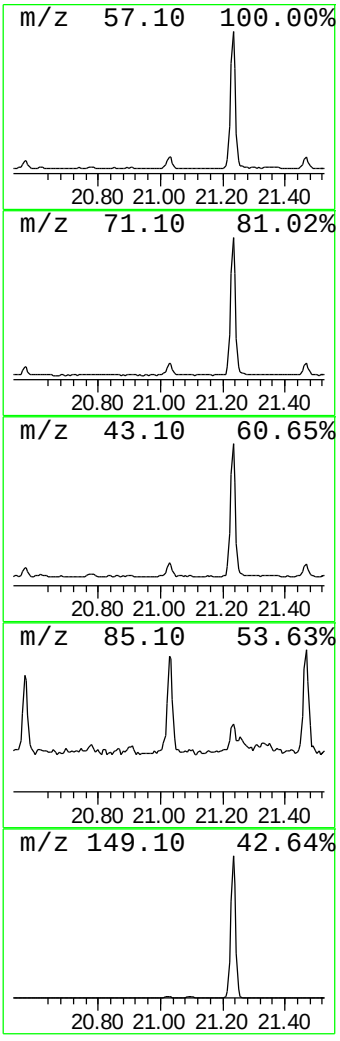
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.03	2.04 ng/ul	101152	Chrysene-d12	21.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	89
2	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	68
3	Heptadecane	240	C17H36	000629-78-7	68
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	68
5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121115\
Data File : BM003484.D
Acq On : 11 Dec 2015 15:53
Operator : UM/IZ
Sample : G4718-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM120115.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
(DEL) Alkane: Bra...	13.15	2.2	ng/ul	110126	3	14.37	982312	20.0
(DEL) Alkane: Bra...	14.20	3.1	ng/ul	150250	3	14.37	982312	20.0
1-Undecanol	15.02	3.3	ng/ul	163013	3	14.37	982312	20.0
unknown-01	16.26	2.6	ng/ul	122946	4	17.12	932965	20.0
(DEL) Alkane: Bra...	19.84	2.3	ng/ul	111674	5	21.32	989838	20.0
1-Propanone, 1-[2...	20.78	2.1	ng/ul	106234	5	21.32	989838	20.0
(DEL) Alkane: Str...	21.03	2.0	ng/ul	101152	5	21.32	989838	20.0