LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

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_G\METHODS\SOM02.2-EPA-BG050916.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	3.232	62	67	75	rVV	23074	37114	1.97%	0.160%
2	3.321	78	82	89	rVB2	10776	20079	1.07%	0.086%
3	3.544	116	120	128	rVB2	7938	13787	0.73%	0.059%
4	4.078	204	211	220	rBV	21531	39008	2.07%	0.168%
5	4.308	245	250	257	rBV	7270	14188	0.75%	0.061%
6	5.330	417	424	433	rBV5	5595	11367	0.60%	0.049%
7	5.788	495	502	511	rBV3	7785	21065	1.12%	0.091%
8	6.158	559	565	570	rBV3	4591	7515	0.40%	0.032%
9	6.834	673	680	686	rVB4	8318	17361	0.92%	0.075%
10	7.140	726	732	739	rVB4	5909	9821	0.52%	0.042%
11	7.239	744	749	754	rBV2	5637	10149	0.54%	0.044%
12	7.322	756	763	779	rVV	157791	324921	17.24%	1.399%
13	7.486	783	791	800	rBV	137892	256518	13.61%	1.104%
14	7.598	804	810	819	rVB	23955	51386	2.73%	0.221%
15	7.698	819	827	835	rBV	190914	359807	19.09%	1.549%
16	7.803	841	845	851	rVV4	7230	12888	0.68%	0.055%
17	8.168	897	907	916	rBV	205030	402952	21.38%	1.735%
18	8.473	954	959	965	rVB3	5724	9275	0.49%	0.040%
19	8.873	1019	1027	1040	rVV	236619	469639	24.91%	2.022%
20	9.266	1090	1094	1099	rBV3	4550	8480	0.45%	0.037%
21	9.337	1099	1106	1118	rVV	153522	330356	17.52%	1.422%
22	9.431	1118	1122	1127	rVV7	5885	11291	0.60%	0.049%
23	9.490	1127	1132	1141	rVB7	3698	8198	0.43%	0.035%
24	10.066	1221	1230	1241	rBV	125506	264125	14.01%	1.137%
25	10.283	1259	1267	1273	rVB6	7672	15283	0.81%	0.066%
26	10.377	1278	1283	1290	rBV5	3677	6758	0.36%	0.029%
27	10.606	1314	1322	1334	rBV	253658	521888	27.68%	2.247%
28	10.988	1380	1387	1403	rVB	347933	719097	38.15%	3.096%
29	11.129	1403	1411	1422	rBV	64290	159555	8.46%	0.687%
30	11.740	1510	1515	1521	rVV7	5251	11816	0.63%	0.051%
31	11.981	1551	1556	1562	rVB3	5672	10165	0.54%	0.044%
32	12.369	1618	1622	1630	rVB3	8278	14936	0.79%	0.064%
33	12.557	1650	1654	1662	rBV4	5289	11862	0.63%	0.051%
34	12.633	1662	1667	1675	rVB	16116	27592	1.46%	0.119%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

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_G\METHODS\SOM02.2-EPA-BG050916.M
Title : SVOA CALIBRATION

35	12.851	1698	1704	1711	rBV	10181	20351	1.08%	0.088%
36	13.156	1750	1756	1758	rBV5	3704	6641	0.35%	0.029%
37	13.227	1763	1768	1776	rVV7	5797	11047	0.59%	0.048%
38	13.315	1776	1783	1788	rVV6	5263	9813	0.52%	0.042%
39	13.479	1806	1811	1814	rBV4	4829	7584	0.40%	0.033%
40	13.556	1819	1824	1827	rVV4	7324	12931	0.69%	0.056%
41	13.597	1827	1831	1835	rVV2	13069	22055	1.17%	0.095%
42	13.661	1836	1842	1849	rVV2	95248	162751	8.63%	0.701%
43	13.949	1885	1891	1903	rVB3	174285	305187	16.19%	1.314%
44	14.114	1913	1919	1925	rBV4	27033	52679	2.79%	0.227%
45	14.190	1925	1932	1937	rBV	491505	806928	42.80%	3.474%
46	14.237	1937	1940	1947	rVB	120502	184118	9.77%	0.793%
47	14.319	1947	1954	1957	rBV6	17813	35472	1.88%	0.153%
48	14.490	1975	1983	1991	rVV	642295	1142409	60.60%	4.919%
49	14.549	1991	1993	1999	rVB6	14850	21165	1.12%	0.091%
50	14.625	1999	2006	2009	rBV5	19558	36952	1.96%	0.159%
51	14.660	2009	2012	2021	rVB	51220	84312	4.47%	0.363%
52	14.748	2021	2027	2028	rBV3	14338	20097	1.07%	0.087%
53	14.795	2028	2035	2041	rVV2	545269	969065	51.41%	4.172%
54	14.854	2041	2045	2051	rVB6	30042	56693	3.01%	0.244%
55	14.995	2062	2069	2082	rBV2	100964	310732	16.48%	1.338%
56	15.095	2082	2086	2091	rVV	28501	52705	2.80%	0.227%
57	15.271	2111	2116	2127	rVB	14385	38884	2.06%	0.167%
58	15.447	2141	2146	2154	rVB	8504	18829	1.00%	0.081%
59	15.571	2161	2167	2170	rBV7	10253	23371	1.24%	0.101%
60	15.612	2170	2174	2180	rVV	51460	72441	3.84%	0.312%
61	15.694	2180	2188	2194	rVV5	79730	150182	7.97%	0.647%
62	15.782	2196	2203	2215	rVV	891353	1534743	81.41%	6.608%
63	15.900	2218	2223	2232	rVV	122248	213092	11.30%	0.917%
64	15.976	2232	2236	2240	rVV6	30416	56398	2.99%	0.243%
65	16.023	2241	2244	2254	rVB5	31257	52381	2.78%	0.226%
66	16.117	2256	2260	2266	rBV7	9207	20707	1.10%	0.089%
67	16.170	2266	2269	2270	rBV3	6220	6296	0.33%	0.027%
68	16.241	2277	2281	2287	rBV9	10779	18195	0.97%	0.078%
69	16.317	2291	2294	2298	rBV4	19485	30818	1.63%	0.133%
70	16.423	2308	2312	2317	rBV7	16482	28106	1.49%	0.121%
71	16.476	2317	2321	2322	rBV	59457	77198	4.10%	0.332%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

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_G\METHODS\SOM02.2-EPA-BG050916.M
Title : SVOA CALIBRATION

72	16.540	2330	2332	2339	rVB6	13940	20157	1.07%	0.087%
73	16.617	2342	2345	2349	rBV6	8994	15097	0.80%	0.065%
74	16.975	2402	2406	2412	rVB7	30042	56363	2.99%	0.243%
75	17.040	2413	2417	2422	rBV8	9293	19149	1.02%	0.082%
76	17.110	2422	2429	2432	rBV8	16677	38649	2.05%	0.166%
77	17.157	2434	2437	2440	rVB4	11492	15325	0.81%	0.066%
78	17.239	2445	2451	2461	rVB2	463910	826284	43.83%	3.558%
79	17.410	2477	2480	2481	rBV3	12288	13253	0.70%	0.057%
80	17.539	2496	2502	2507	rBV2	598881	999765	53.03%	4.305%
81	17.639	2513	2519	2529	rVB	782122	1303945	69.17%	5.614%
82	18.003	2578	2581	2584	rBV2	19668	25306	1.34%	0.109%
83	18.103	2594	2598	2607	rBV4	63422	107997	5.73%	0.465%
84	18.291	2625	2630	2635	rVB2	78057	120540	6.39%	0.519%
85	18.409	2645	2650	2655	rBV2	186899	289692	15.37%	1.247%
86	18.456	2655	2658	2667	rVB2	59197	113550	6.02%	0.489%
87	18.697	2695	2699	2701	rBV3	21187	29695	1.58%	0.128%
88	19.196	2781	2784	2788	rBV	36228	47546	2.52%	0.205%
89	19.314	2800	2804	2809	rBV	88065	143691	7.62%	0.619%
90	19.466	2826	2830	2835	rVB2	111636	154088	8.17%	0.663%
91	19.578	2846	2849	2855	rVB	111962	164656	8.73%	0.709%
92	19.919	2901	2907	2918	rVB2	938450	1885131	100.00%	8.117%
93	20.436	2990	2995	3000	rVB	1155789	1577395	83.68%	6.792%
94	20.589	3018	3021	3025	rVB	189905	228156	12.10%	0.982%
95	20.730	3042	3045	3048	rBV	141065	178243	9.46%	0.767%
96	20.929	3076	3079	3084	rVB	169165	230415	12.22%	0.992%
97	21.828	3226	3232	3238	rBV	550808	1140817	60.52%	4.912%
98	24.184	3628	3633	3641	rVB	392803	853238	45.26%	3.674%
99	24.948	3759	3763	3772	rVB2	309236	759016	40.26%	3.268%
100	25.183	3796	3803	3814	rVB2	325139	985059	52.25%	4.241%

Sum of corrected areas: 23225788

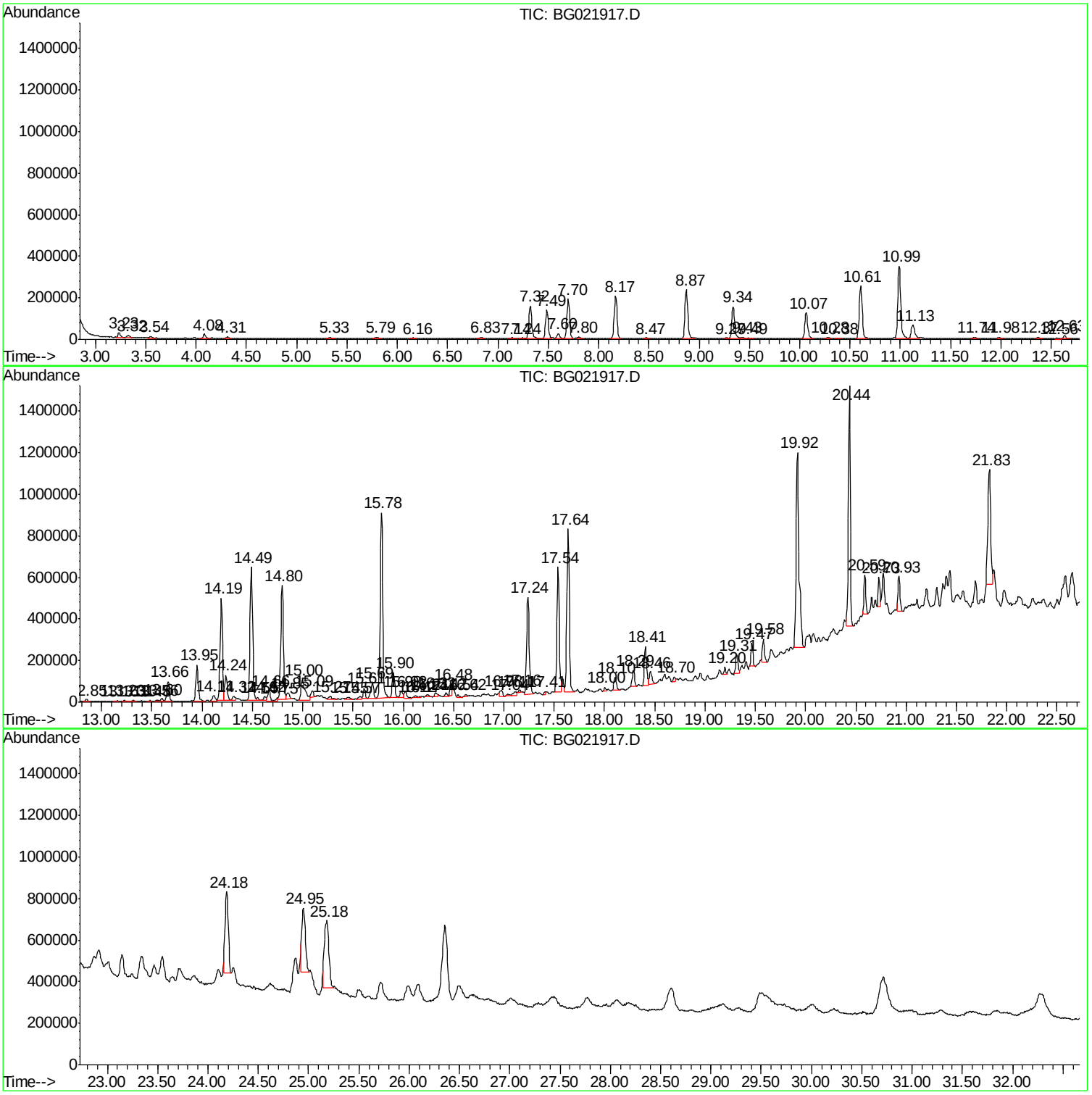
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.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 G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

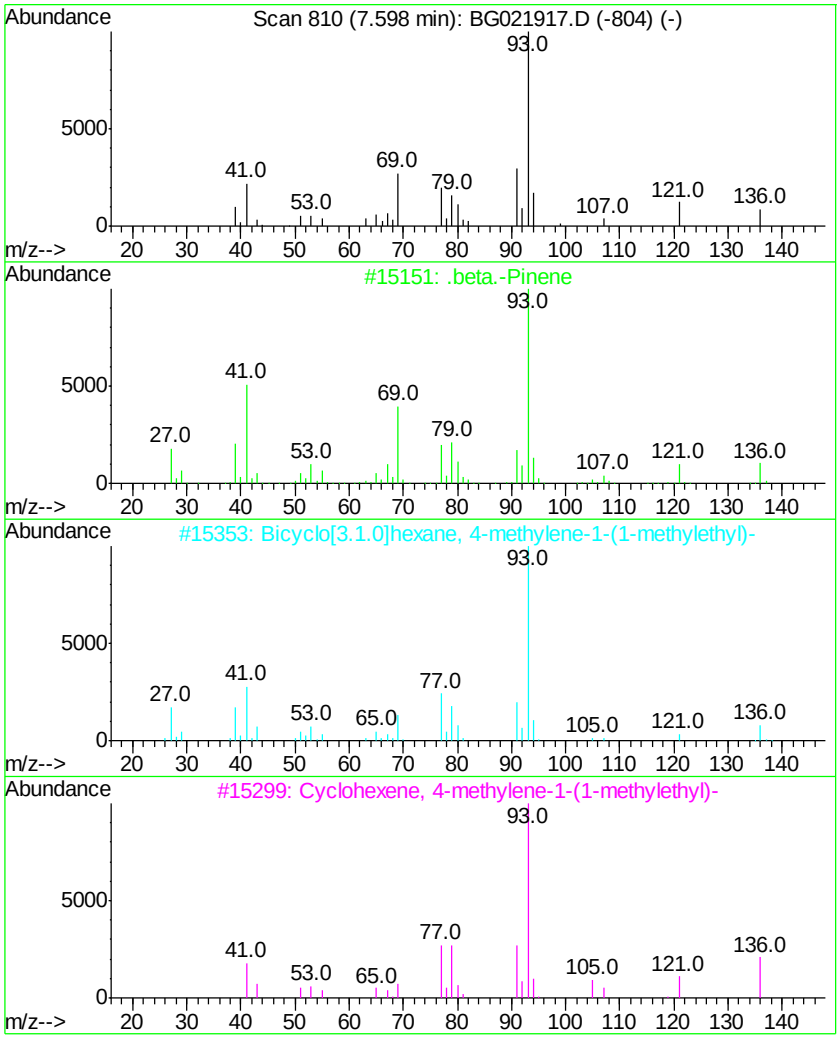
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

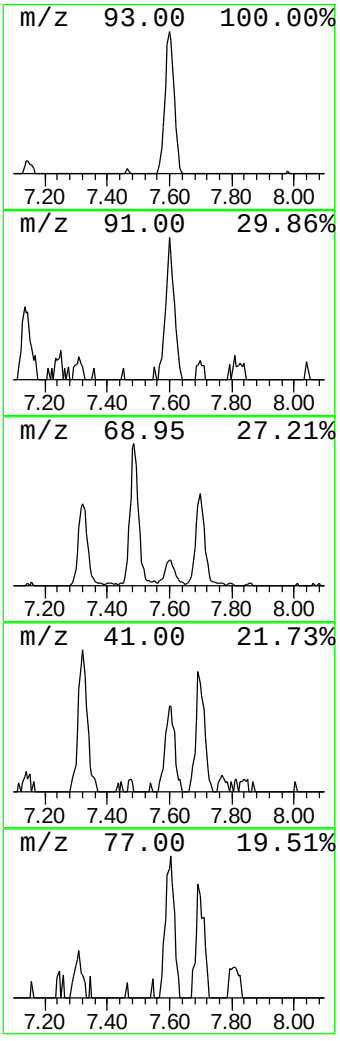
****

Peak Number 1 .beta.-Pinene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	2.55 ng/ul	51386	1,4-Dichlorobenzene-d4	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	91
2	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	87
3	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	86
4	.alpha.-Pinene	136	C10H16	000080-56-8	86
5	.alpha.-Pinene	136	C10H16	000080-56-8	86





Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

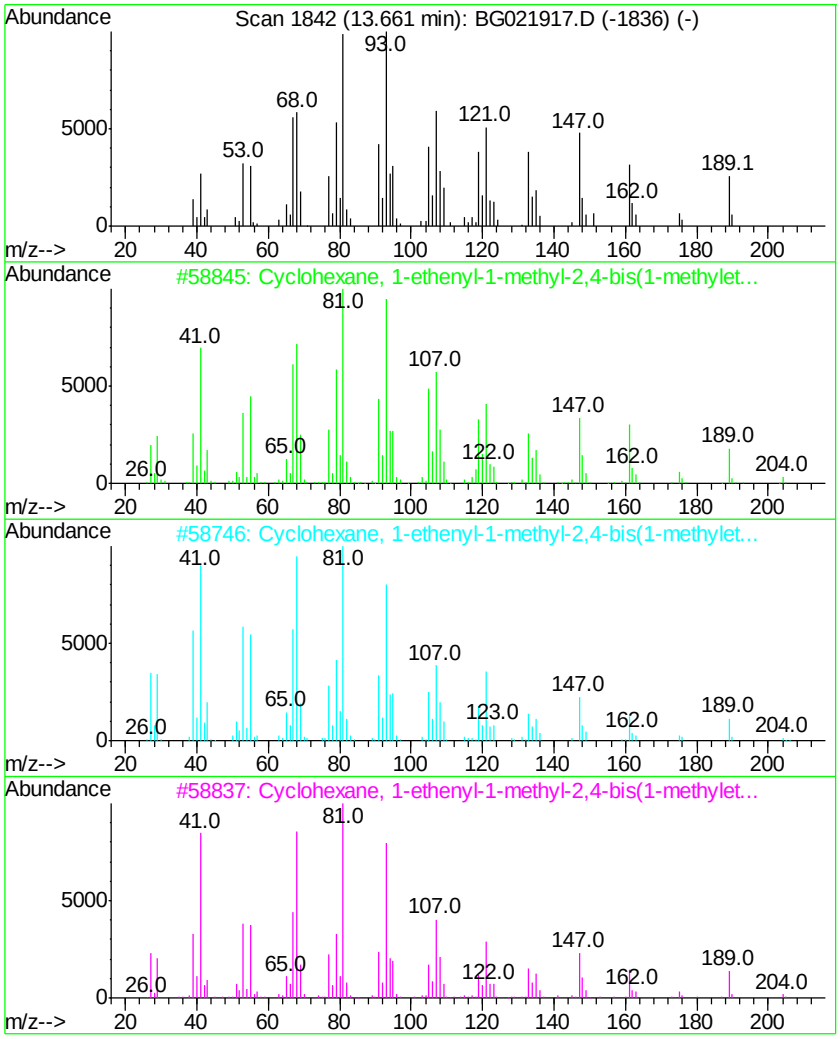
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

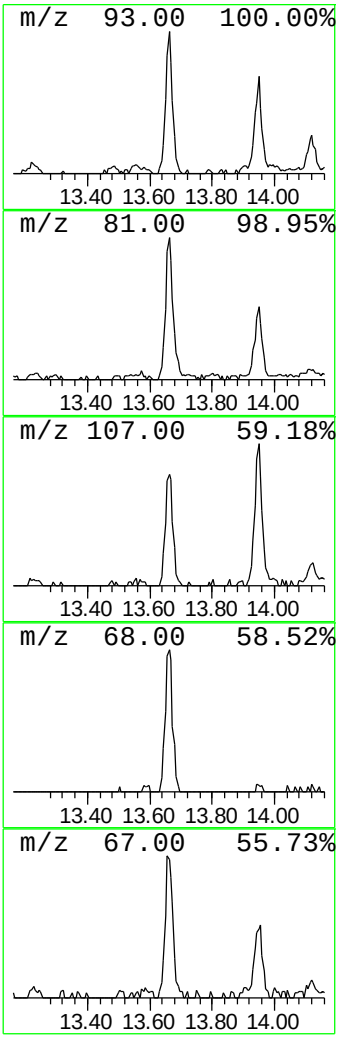
****

Peak Number 2 Cyclohexane, 1-ethenyl-1-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	3.36 ng/ul	162751	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	000515-13-9	81
2	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	110823-68-2	80
3	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	033880-83-0	46
4	Bicyclo[5.2.0]nonane, 4-methylen...	204	C15H24	1000159-38-2	35
5	1,Z-5,E-7-Dodecatriene	164	C12H20	083085-83-0	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

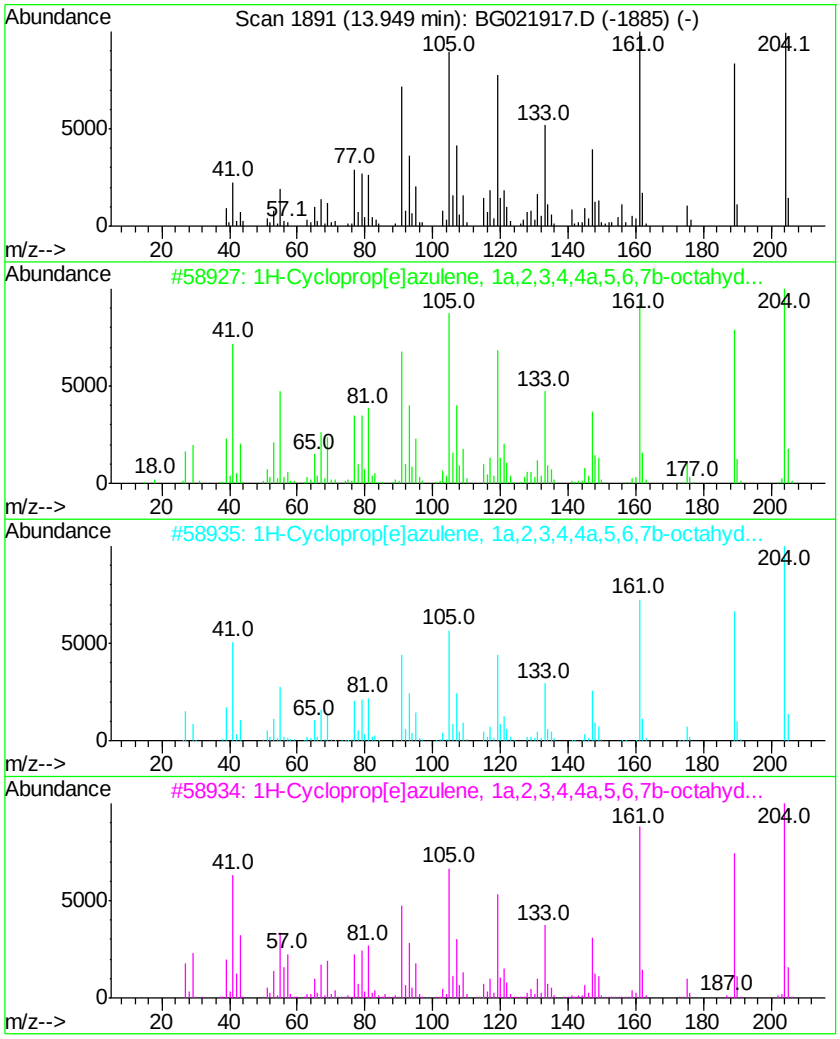
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

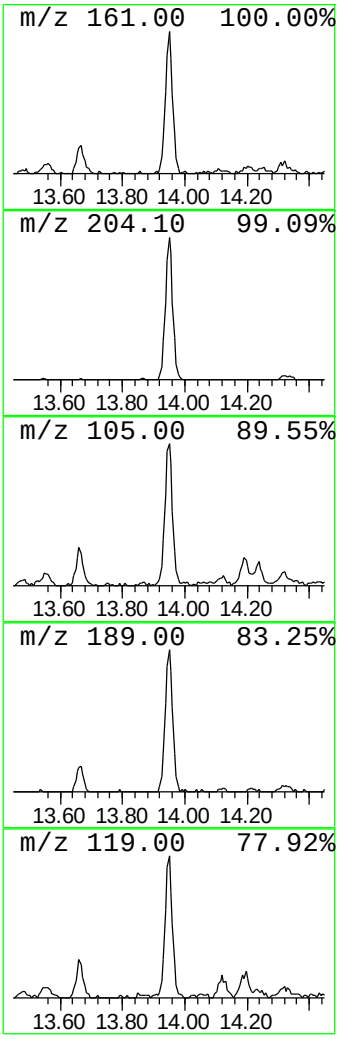
****

Peak Number 3 1H-Cycloprop[e]azulene, 1a,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	6.30 ng/ul	305187	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cycloprop[e]azulene, 1a,2,3,4...	204	C15H24	000489-40-7	99
2	1H-Cycloprop[e]azulene, 1a,2,3,4...	204	C15H24	000489-40-7	99
3	1H-Cycloprop[e]azulene, 1a,2,3,4...	204	C15H24	000489-40-7	99
4	2H-2,4a-Methanonaphthalene, 1,3,...	204	C15H24	001135-66-6	93
5	10s,11s-Himachala-3(12),4-diene	204	C15H24	060909-28-6	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

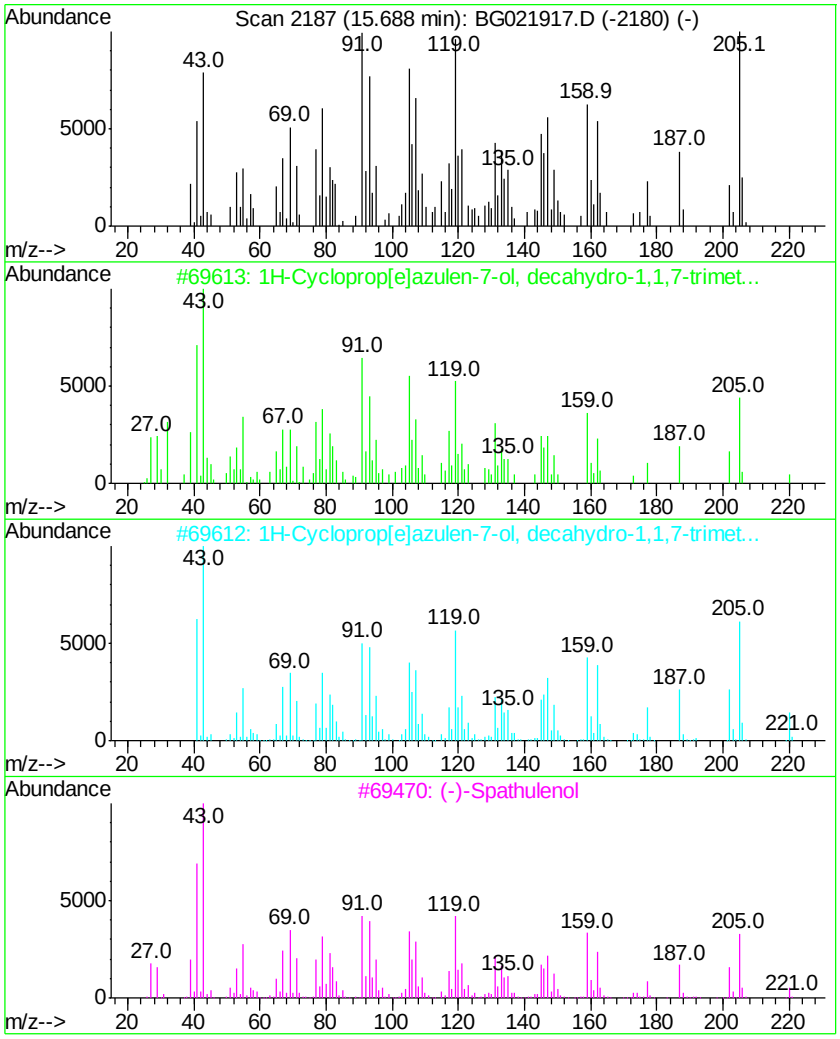
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

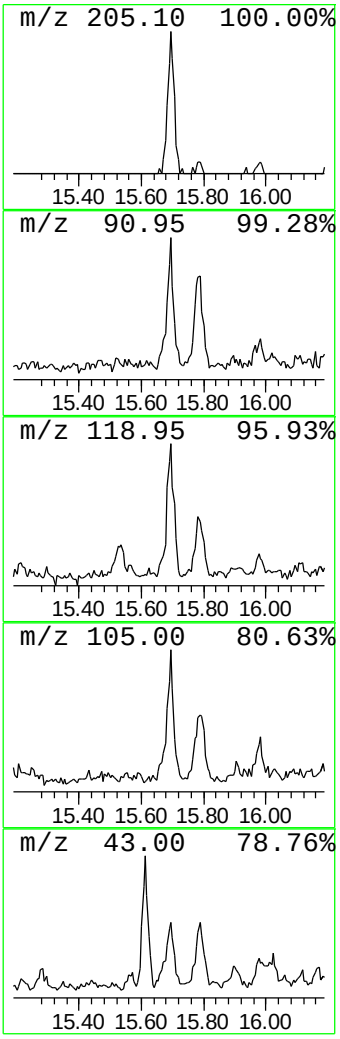
****

Peak Number 4 1H-Cycloprop[e]azulen-7-ol,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	3.10 ng/ul	150182	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cycloprop[e]azulen-7-ol, deca...	220	C15H24O	006750-60-3	93
2	1H-Cycloprop[e]azulen-7-ol, deca...	220	C15H24O	006750-60-3	90
3	(-)-Spathulenol	220	C15H24O	077171-55-2	81
4	7-Amino-4-(methoxymethyl)coumarin	205	C11H11NO3	175205-10-4	35
5	1H-1,5-Benzodiazepine, 2,3,4,5-t...	162	C10H14N2	040358-34-7	30





Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

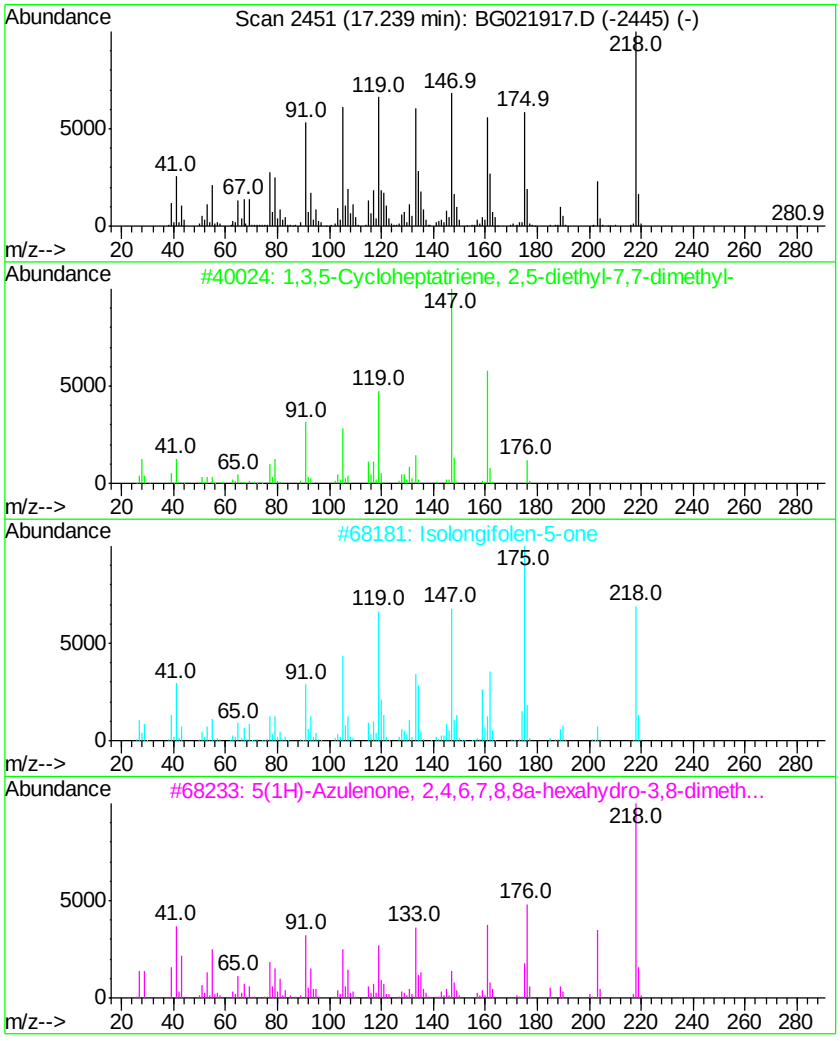
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

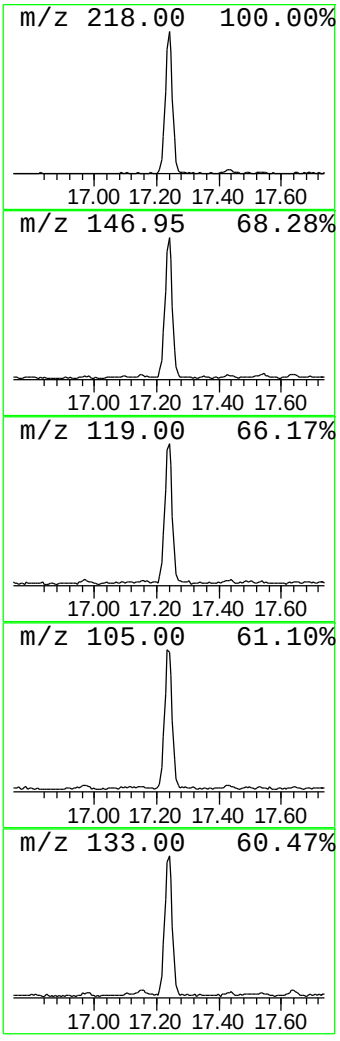
****

Peak Number 5 1,3,5-Cycloheptatriene, 2,5... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	16.53 ng/ul	826284	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Cycloheptatriene, 2,5-diet...	176	C13H20	1000156-99-5	84
2	Isolongifolen-5-one	218	C15H22O	1000159-37-1	76
3	5(1H)-Azulenone, 2,4,6,7,8,8a-he...	218	C15H22O	006754-66-1	53
4	2(3H)-Naphthalenone, 4,4a,5,6,7,...	218	C15H22O	019598-45-9	50
5	2,4a-Methanonaphthalen-7(4aH)-on...	218	C15H22O	026839-52-1	49





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

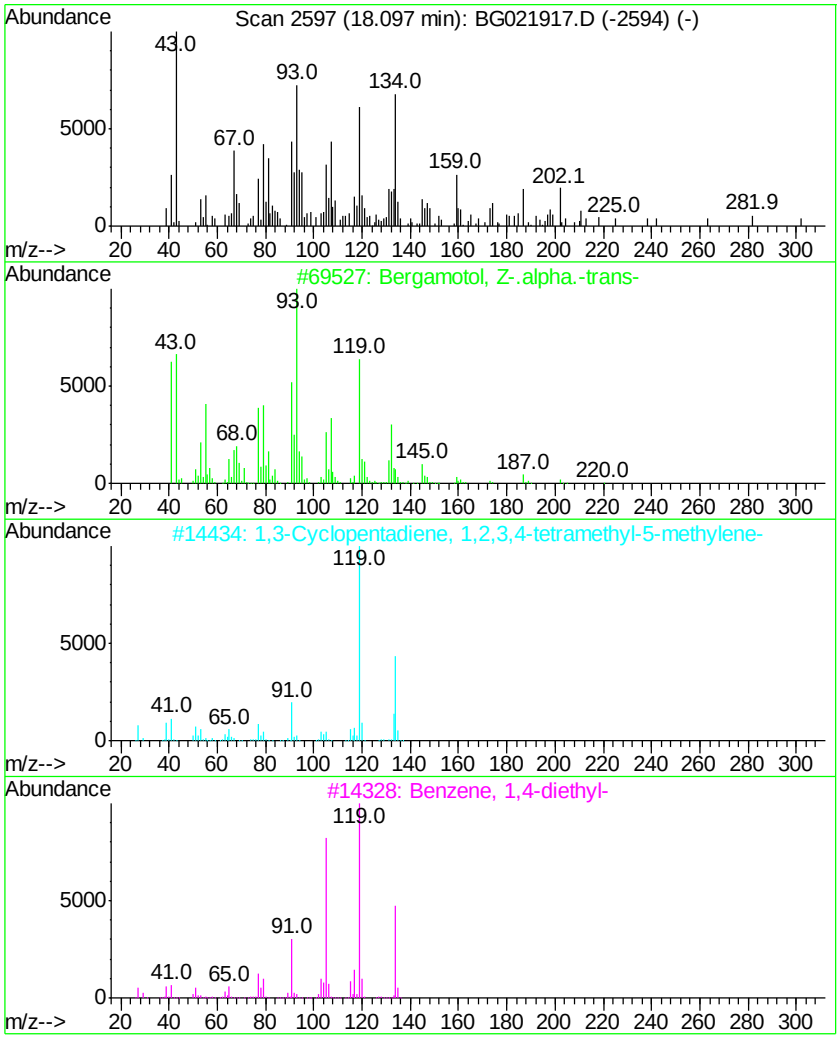
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

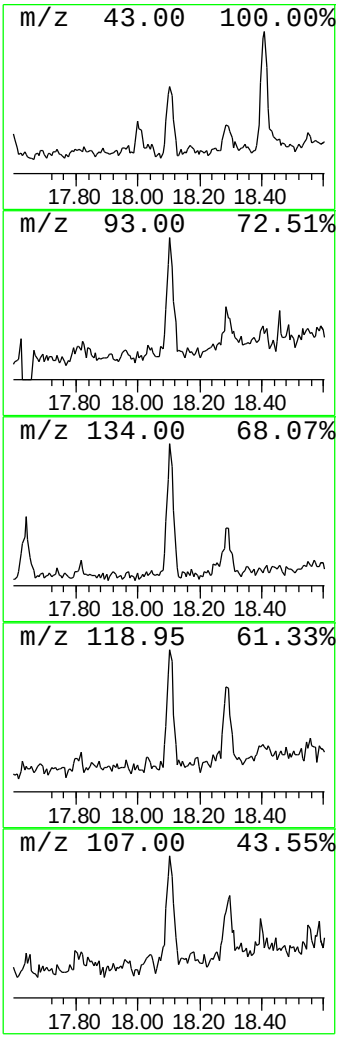
****

Peak Number 6 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	2.16 ng/ul	107997	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bergamotol, Z-.alpha.-trans-	220	C15H24O	088034-74-6	38
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	38
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	30
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	30
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	30





Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

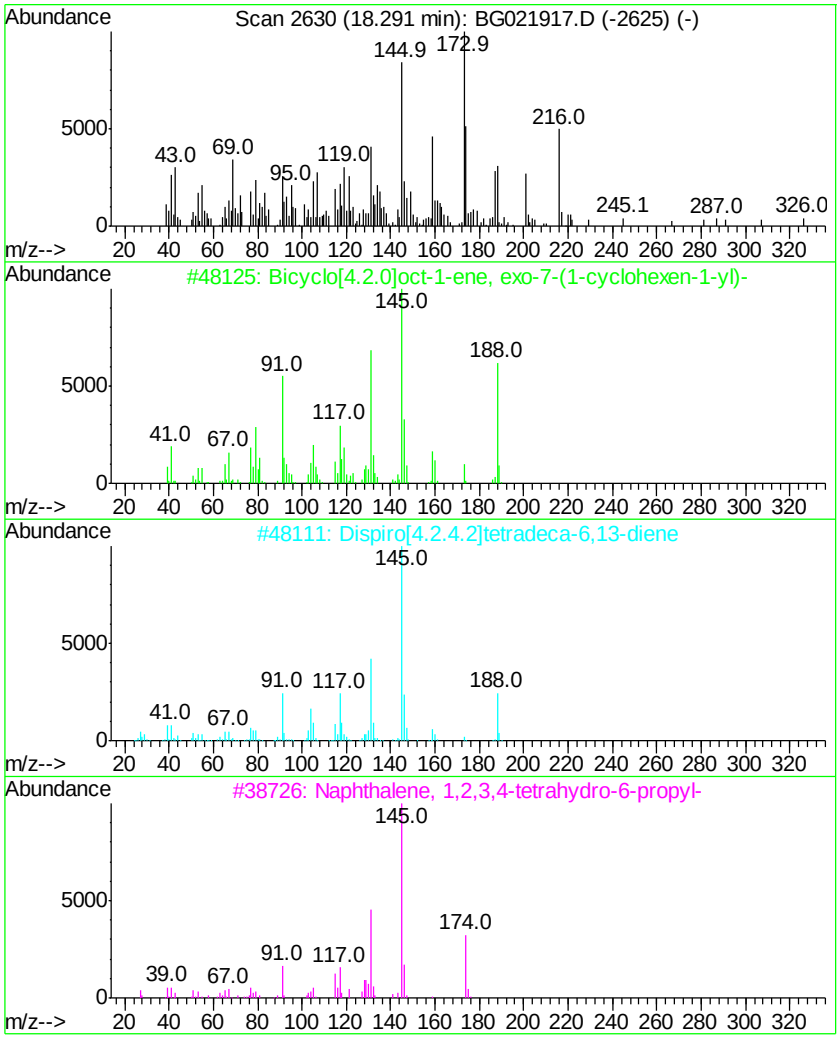
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

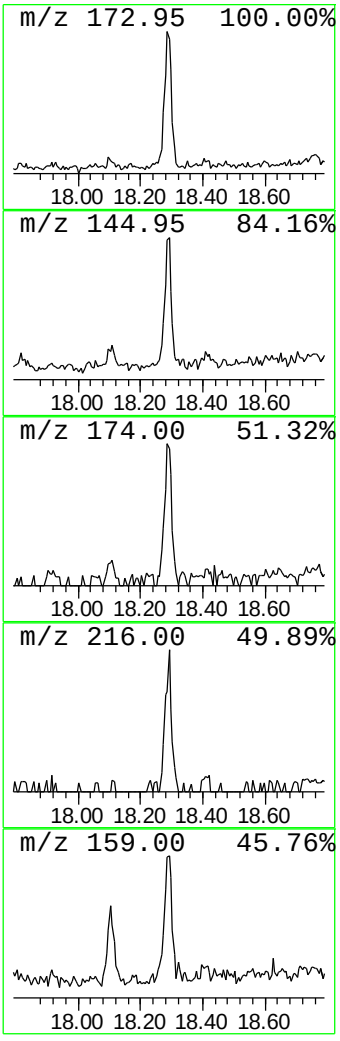
****

Peak Number 7 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	2.41 ng/ul	120540	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]oct-1-ene, exo-7-(...	188	C14H20	1000142-22-1	42
2	Dispiro[4.2.4.2]tetradeca-6,13-d...	188	C14H20	078578-90-2	42
3	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	042775-77-9	38
4	2,5,5-Trimethyl-3-phenyl-cyclohe...	216	C15H20O	1000190-82-8	38
5	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	042775-77-9	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

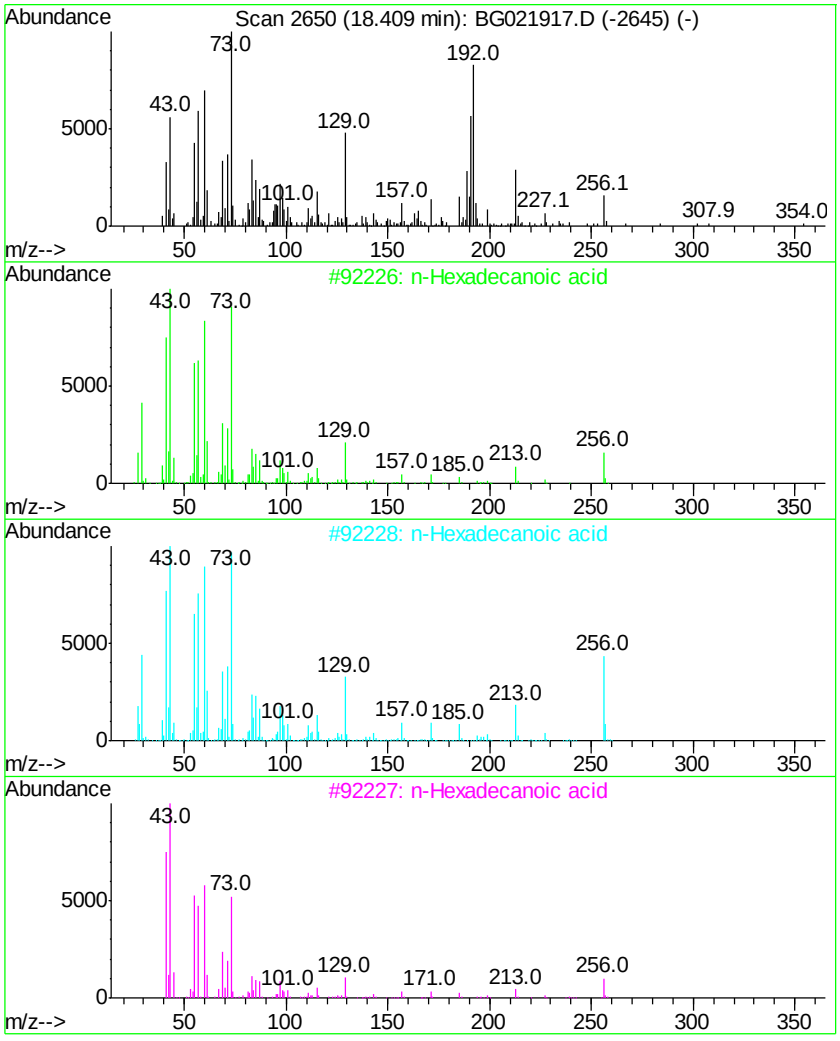
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

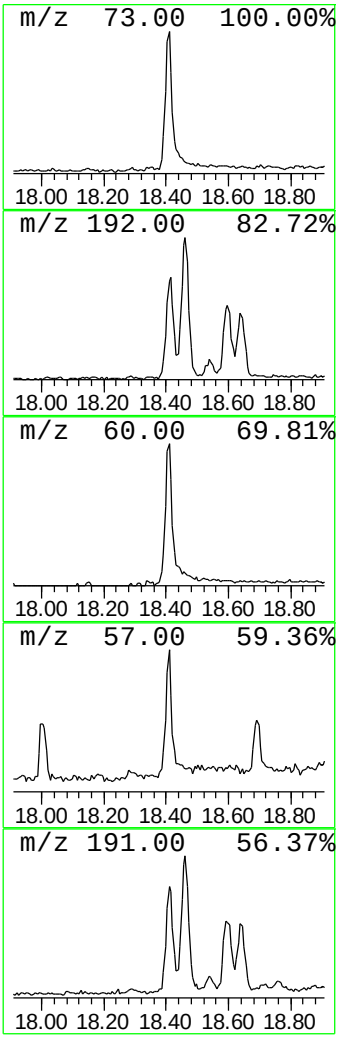
****

Peak Number 8 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	5.80 ng/ul	289692	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	51
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	51





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

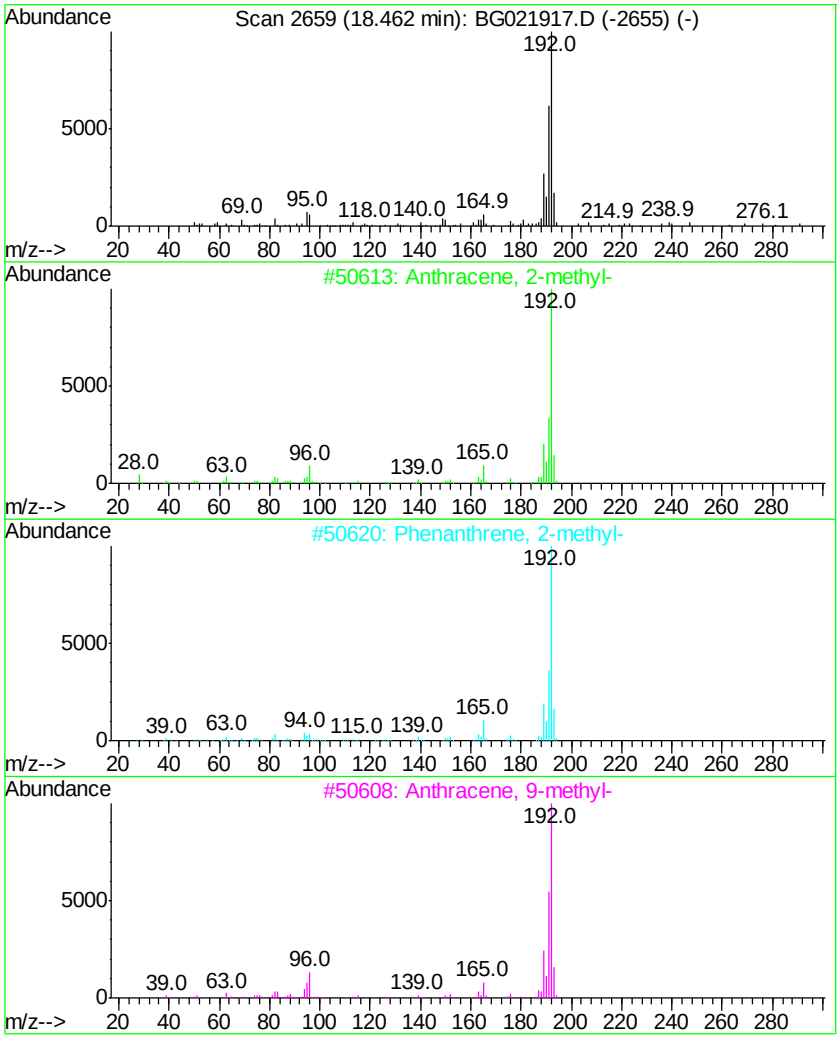
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

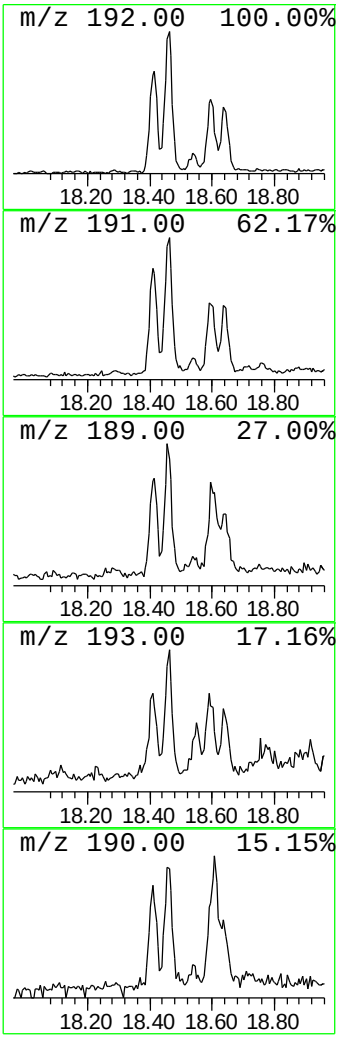
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	2.27 ng/ul	113550	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

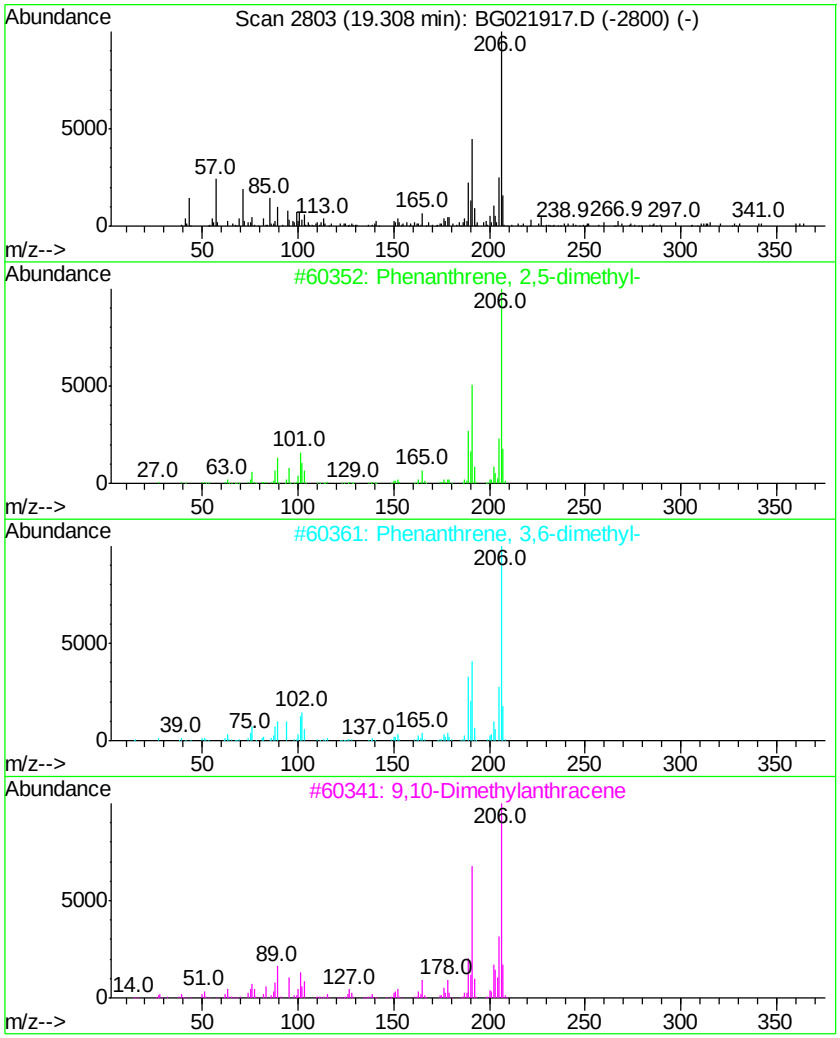
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

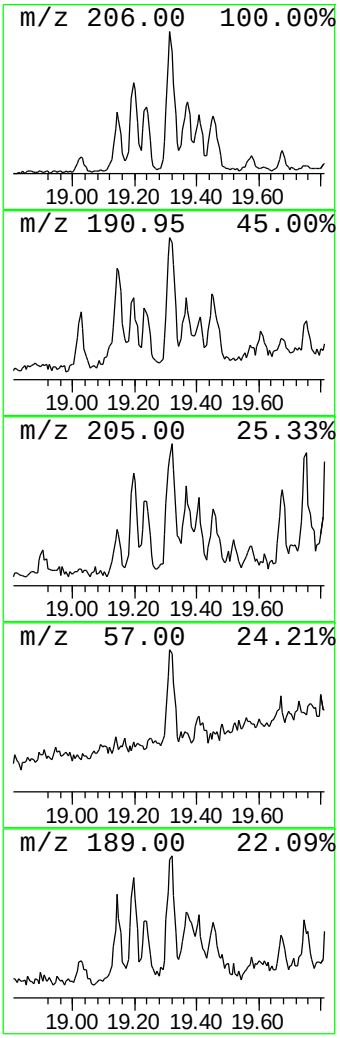
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.31	2.87 ng/ul	143691	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86





Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

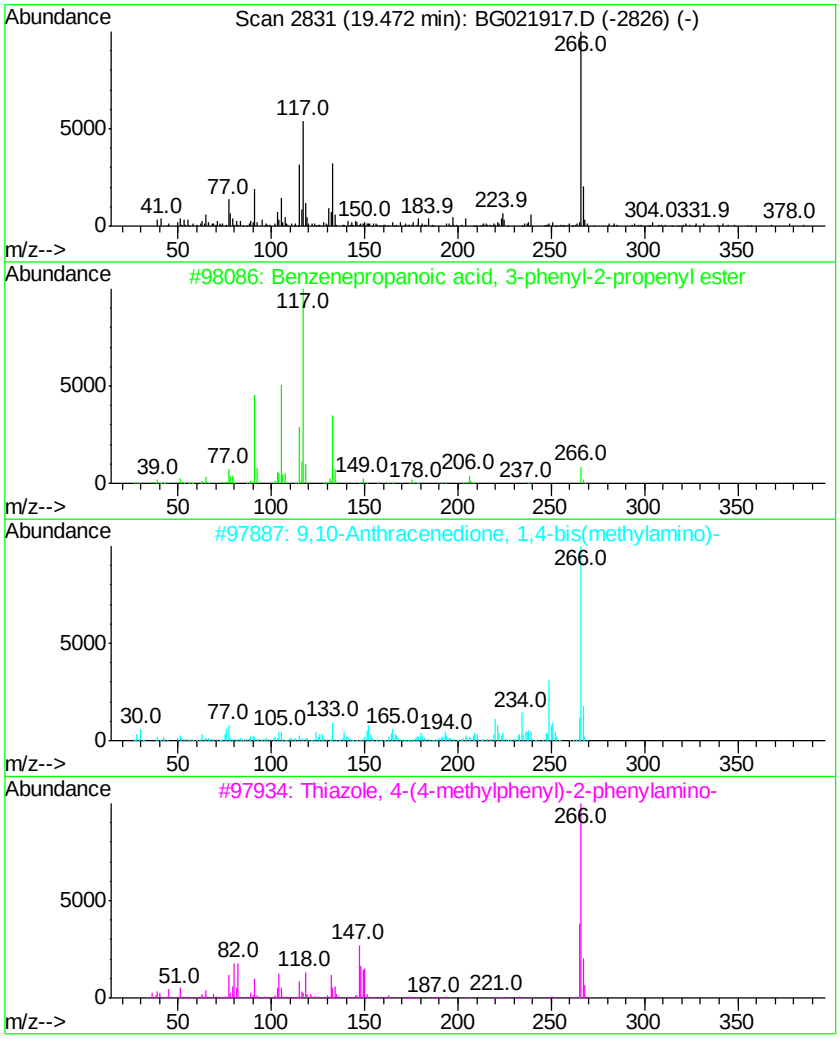
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

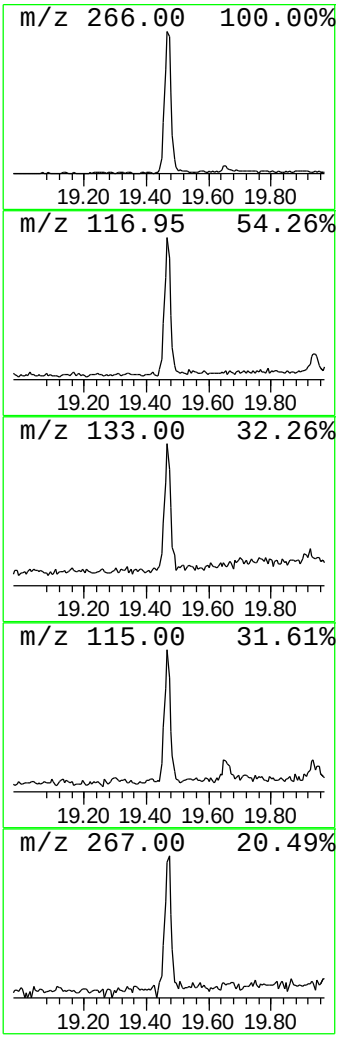
****

Peak Number 11 Benzenepropanoic acid, 3-ph... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.47	3.08 ng/ul	154088	Phenanthrene-d10	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenepropanoic acid, 3-phenyl-...	266	C18H18O2	028048-98-8	59
2	9,10-Anthracenedione, 1,4-bis(me...	266	C16H14N2O2	002475-44-7	38
3	Thiazole, 4-(4-methylphenyl)-2-p...	266	C16H14N2S	093020-56-5	27
4	3-Bromo-1-phenyl-1-propene	196	C9H9Br	004392-24-9	27
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	27





Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

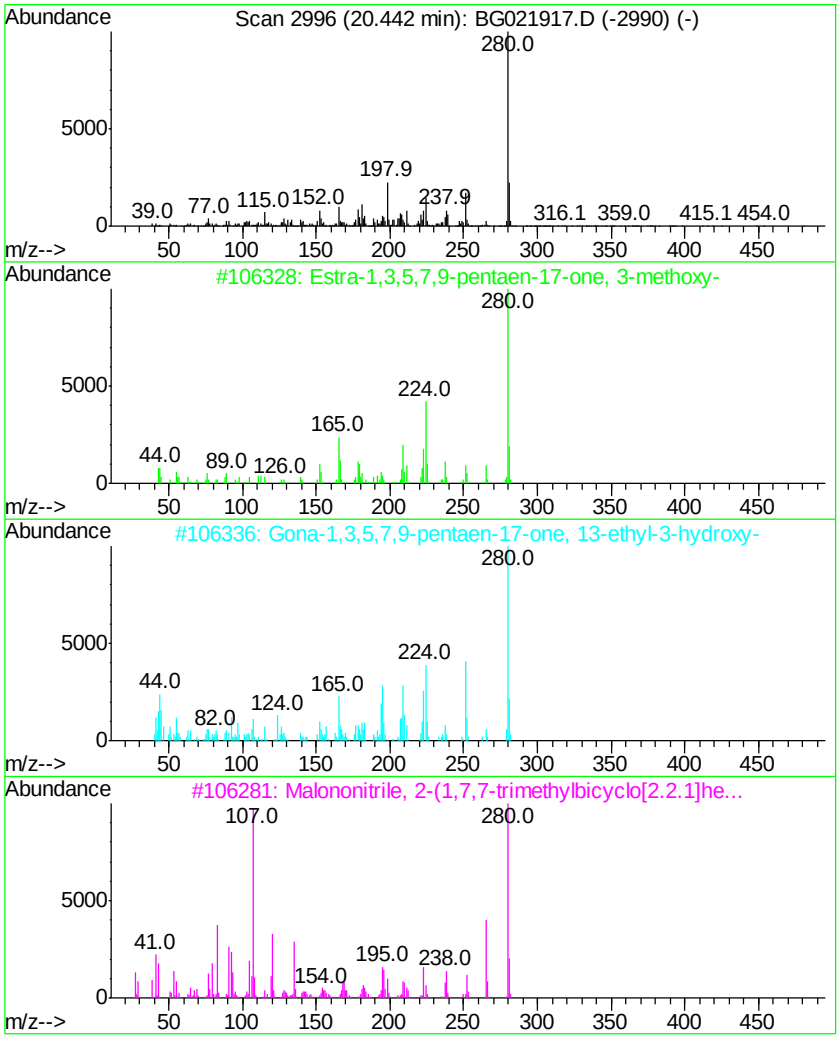
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

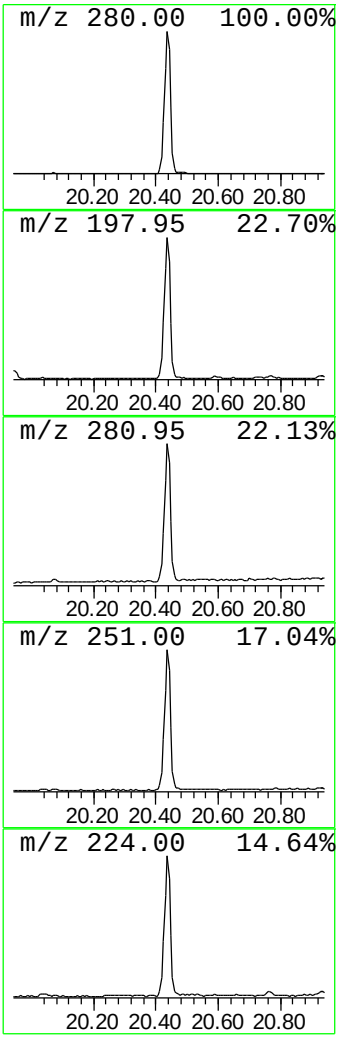
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Estra-1,3,5,7,9-pentaen-17-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	27.65 ng/ul	1577400	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Estra-1,3,5,7,9-pentaen-17-one, ...	280	C19H20O2	003907-67-3	89
2	Gona-1,3,5,7,9-pentaen-17-one, 1...	280	C19H20O2	030788-51-3	64
3	Malononitrile, 2-(1,7,7-trimethy...	280	C18H20N2O	1000164-42-4	53
4	Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	52
5	Carbazole, 2,3-dimethyl-1-(4-mor...	280	C18H20N2O	130159-44-3	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

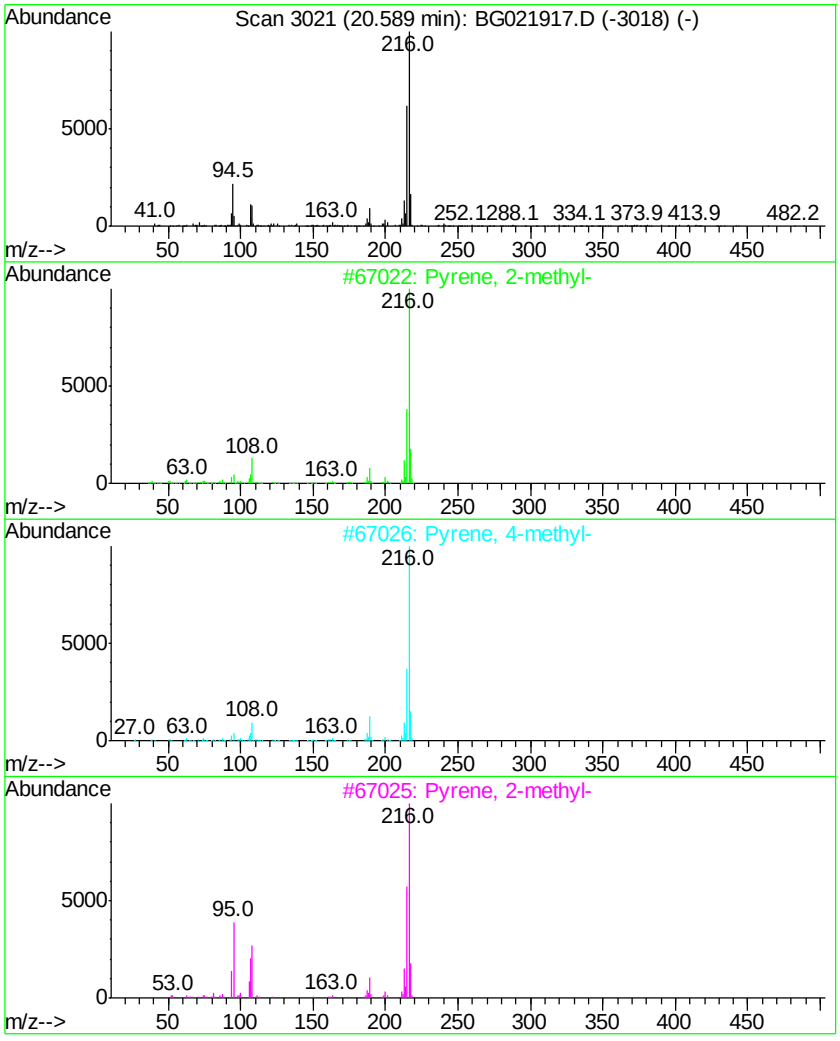
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

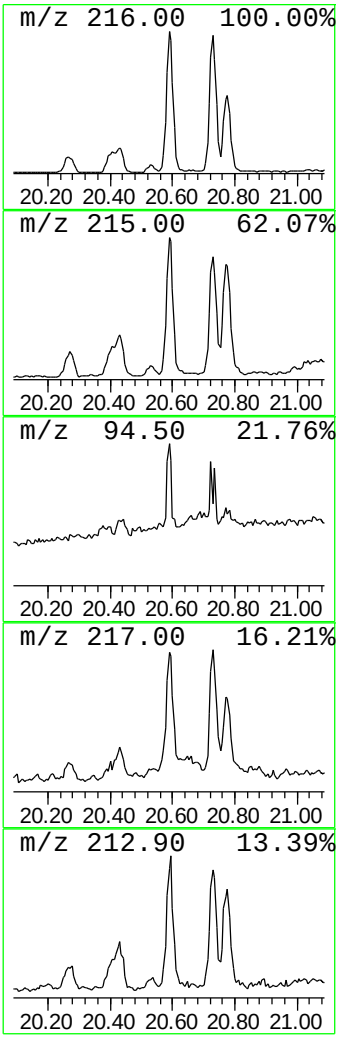
****

Peak Number 13 Pyrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.59	4.00 ng/ul	228156	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

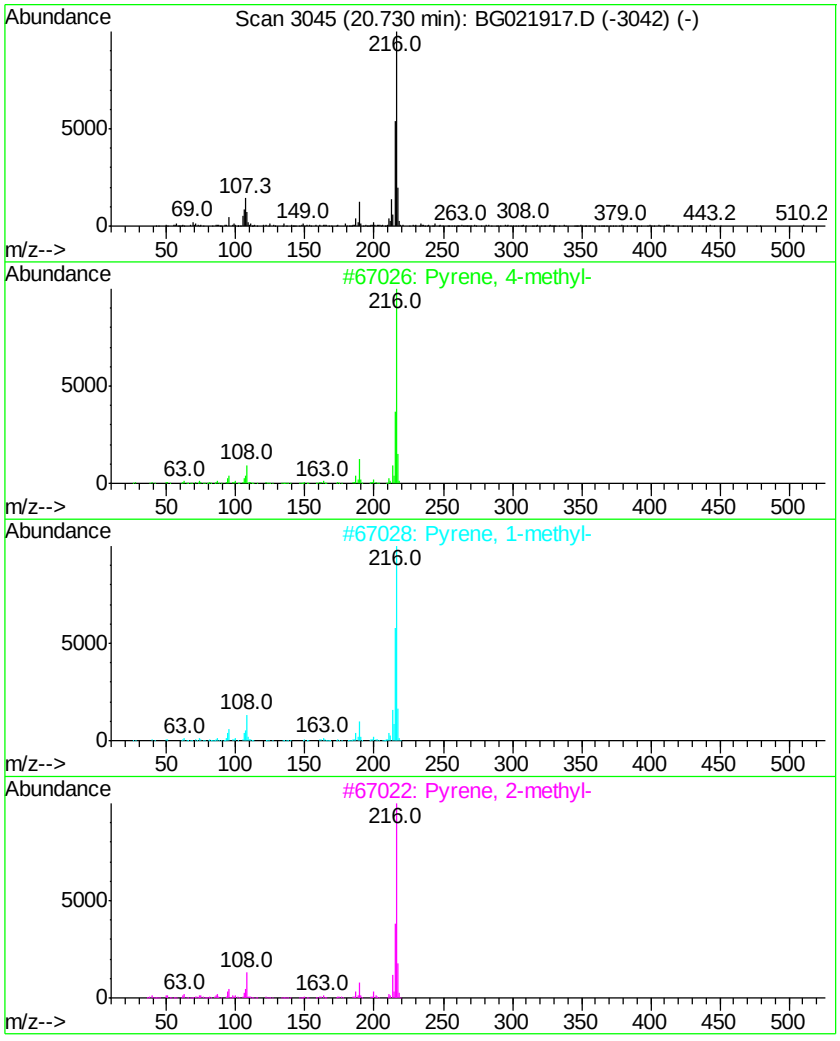
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

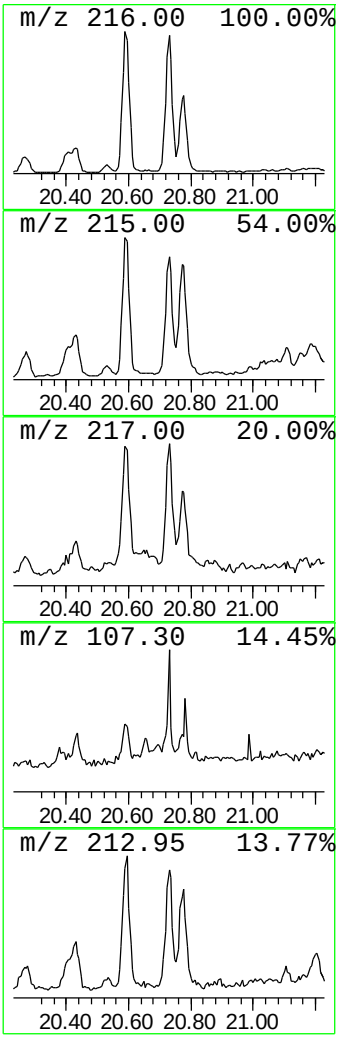
****

Peak Number 14 Pyrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	3.12 ng/ul	178243	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

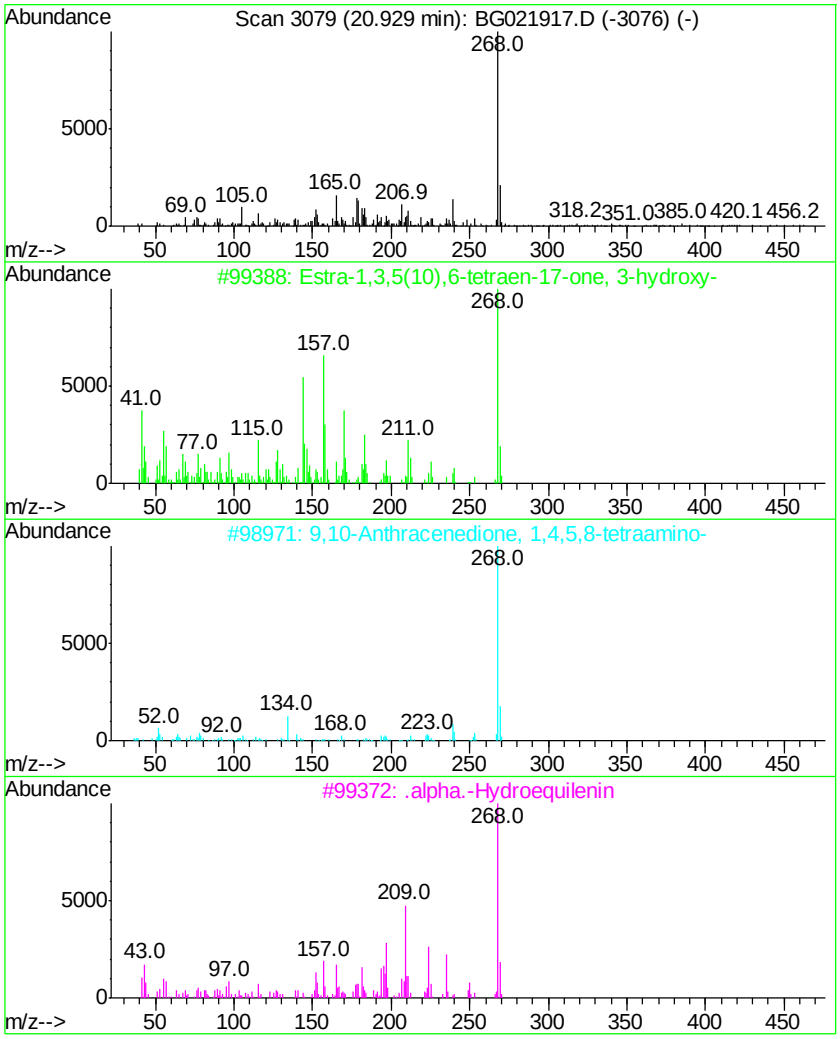
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

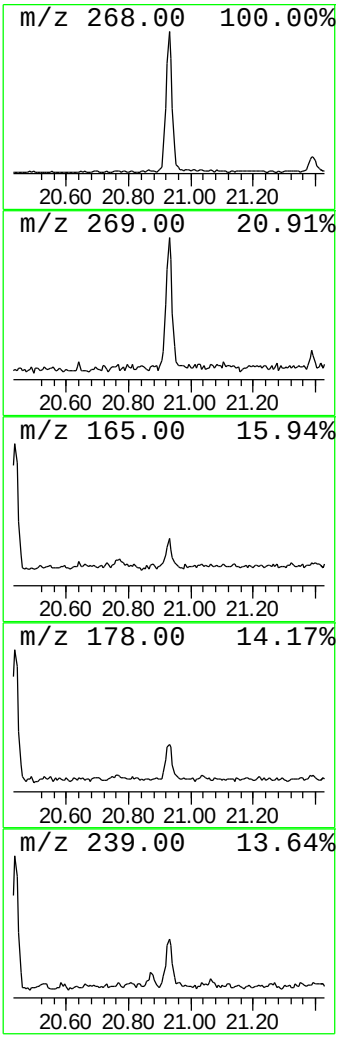
****

Peak Number 15 Estra-1,3,5(10),6-tetraen-1... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	4.04 ng/ul	230415	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Estra-1,3,5(10),6-tetraen-17-one...	268	C18H20O2	002208-12-0	64
2	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	53
3	.alpha.-Hydroequilenin	268	C18H20O2	1000251-92-8	53
4	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	52
5	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

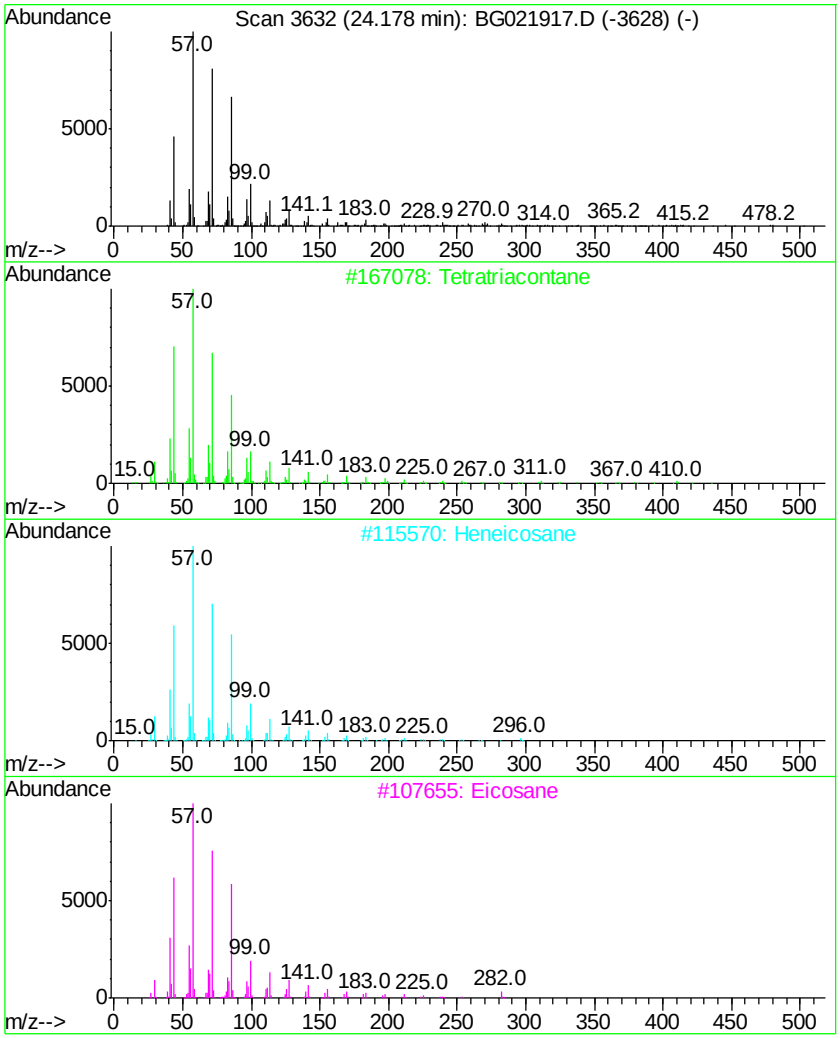
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

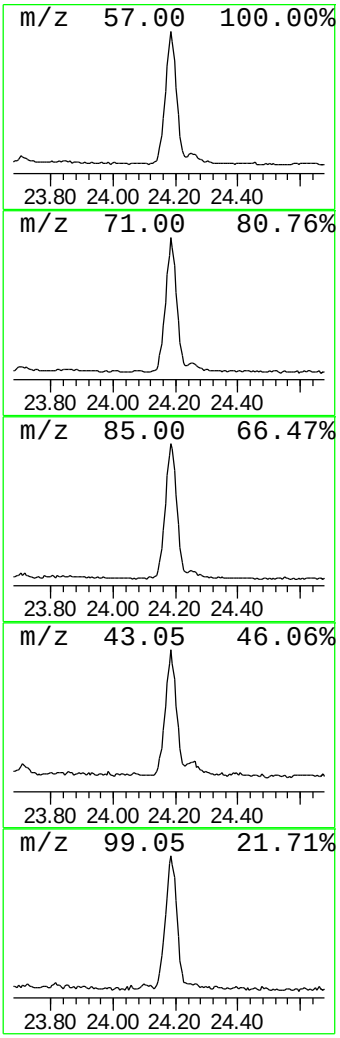
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.18	17.32 ng/ul	853238	Perylene-d12	25.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratriacontane	479	C34H70	014167-59-0	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Eicosane	282	C20H42	000112-95-8	91
4	Triacontane	422	C30H62	000638-68-6	91
5	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051616\
Data File : BG021917.D
Acq On : 16 May 2016 22:05
Operator : UM/SJ
Sample : H3095-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XE5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.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
.beta.-Pinene	7.60	2.5	ng/ul	51386	1	8.17	402952	20.0
Cyclohexane, 1-et...	13.66	3.4	ng/ul	162751	3	14.80	969065	20.0
1H-Cycloprop[e]az...	13.95	6.3	ng/ul	305187	3	14.80	969065	20.0
1H-Cycloprop[e]az...	15.69	3.1	ng/ul	150182	3	14.80	969065	20.0
1,3,5-Cycloheptat...	17.24	16.5	ng/ul	826284	4	17.54	999765	20.0
unknown-01	18.10	2.2	ng/ul	107997	4	17.54	999765	20.0
unknown-02	18.29	2.4	ng/ul	120540	4	17.54	999765	20.0
n-Hexadecanoic acid	18.41	5.8	ng/ul	289692	4	17.54	999765	20.0
Anthracene, 2-met...	18.46	2.3	ng/ul	113550	4	17.54	999765	20.0
Phenanthrene, 2,5...	19.31	2.9	ng/ul	143691	4	17.54	999765	20.0
Benzenepropanoic ...	19.47	3.1	ng/ul	154088	4	17.54	999765	20.0
Estra-1,3,5,7,9-p...	20.44	27.6	ng/ul	1577400	5	21.83	1140820	20.0
Pyrene, 2-methyl-	20.59	4.0	ng/ul	228156	5	21.83	1140820	20.0
Pyrene, 4-methyl-	20.73	3.1	ng/ul	178243	5	21.83	1140820	20.0
Estra-1,3,5(10),6...	20.93	4.0	ng/ul	230415	5	21.83	1140820	20.0
(DEL) Alkane: Str...	24.18	17.3	ng/ul	853238	6	25.18	985059	20.0