LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019395.D
Acq On : 29 Oct 2015 00:12
Operator : UM/NP
Sample : G4120-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LQ8

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-BG102815.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	3.160	49	55	63	rBV	56221	105839	7.14%	0.758%
2	3.237	63	68	75	rVV	209152	287591	19.40%	2.059%
3	3.513	111	115	118	rVB4	2890	3741	0.25%	0.027%
4	5.258	405	412	416	rVB2	9089	15274	1.03%	0.109%
5	7.344	762	767	775	rBV3	38730	65315	4.41%	0.468%
6	7.514	789	796	803	rBV	117706	194181	13.10%	1.391%
7	7.731	823	833	841	rBV	136488	225442	15.21%	1.614%
8	8.207	906	914	920	rBV	121395	209008	14.10%	1.497%
9	8.583	973	978	983	rVB2	5346	9395	0.63%	0.067%
10	8.907	1026	1033	1040	rVB	110320	192464	12.98%	1.378%
11	9.177	1073	1079	1083	rVB3	3354	6096	0.41%	0.044%
12	9.371	1105	1112	1124	rVB	173946	314368	21.20%	2.251%
13	9.570	1144	1146	1152	rVB2	5022	6538	0.44%	0.047%
14	9.635	1152	1157	1161	rBV4	7610	12390	0.84%	0.089%
15	9.688	1161	1166	1172	rVV3	13552	23544	1.59%	0.169%
16	9.758	1172	1178	1184	rVB2	26465	43222	2.92%	0.310%
17	10.099	1230	1236	1248	rVB2	162917	298539	20.14%	2.138%
18	10.264	1261	1264	1268	rBV2	3991	6182	0.42%	0.044%
19	10.434	1290	1293	1294	rBV2	3536	3483	0.23%	0.025%
20	10.528	1305	1309	1316	rVB4	5598	9732	0.66%	0.070%
21	10.646	1322	1329	1336	rBV	223953	394916	26.64%	2.828%
22	10.845	1359	1363	1367	rBV3	6660	11469	0.77%	0.082%
23	11.033	1385	1395	1402	rBV	171960	308823	20.83%	2.212%
24	11.169	1411	1418	1423	rBV6	4333	9154	0.62%	0.066%
25	11.268	1430	1435	1438	rBV3	11954	17574	1.19%	0.126%
26	11.398	1451	1457	1460	rBV5	9739	19410	1.31%	0.139%
27	11.439	1460	1464	1470	rVB2	21448	37549	2.53%	0.269%
28	11.504	1471	1475	1476	rBV3	4801	5324	0.36%	0.038%
29	11.556	1481	1484	1487	rVV3	3646	6101	0.41%	0.044%
30	11.609	1490	1493	1499	rVB4	10316	14966	1.01%	0.107%
31	11.703	1506	1509	1514	rVB5	2465	3980	0.27%	0.029%
32	11.786	1517	1523	1529	rBV5	3881	8959	0.60%	0.064%
33	11.838	1529	1532	1535	rVB	2923	3174	0.21%	0.023%
34	11.897	1537	1542	1544	rBV2	5587	7931	0.53%	0.057%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019395.D
Acq On : 29 Oct 2015 00:12
Operator : UM/NP
Sample : G4120-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LQ8

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-BG102815.M
Title : SVOA CALIBRATION

35	12.073	1567	1572	1577	rBV5	4692	10497	0.71%	0.075%
36	12.120	1577	1580	1586	rVV5	6532	11297	0.76%	0.081%
37	12.267	1600	1605	1613	rVB5	12565	24399	1.65%	0.175%
38	12.408	1626	1629	1636	rVB3	6645	11119	0.75%	0.080%
39	12.573	1653	1657	1659	rBV2	3344	3294	0.22%	0.024%
40	12.602	1659	1662	1663	rBV3	3159	4263	0.29%	0.031%
41	12.702	1674	1679	1684	rBV3	34025	55947	3.77%	0.401%
42	12.767	1684	1690	1694	rVB6	7602	13710	0.92%	0.098%
43	12.825	1698	1700	1701	rBV2	5003	4505	0.30%	0.032%
44	12.890	1706	1711	1720	rVB4	18576	30624	2.07%	0.219%
45	12.984	1722	1727	1733	rBV5	15650	28968	1.95%	0.207%
46	13.043	1733	1737	1740	rBV5	9274	14366	0.97%	0.103%
47	13.184	1755	1761	1765	rBV2	66333	105698	7.13%	0.757%
48	13.237	1765	1770	1777	rVB4	61848	115142	7.77%	0.825%
49	13.313	1780	1783	1784	rBV3	4215	3223	0.22%	0.023%
50	13.425	1798	1802	1808	rBV4	8047	14969	1.01%	0.107%
51	13.513	1813	1817	1818	rVV3	6958	8991	0.61%	0.064%
52	13.548	1819	1823	1834	rVB5	16053	45434	3.06%	0.325%
53	13.636	1836	1838	1840	rBV3	4906	4643	0.31%	0.033%
54	13.695	1847	1848	1852	rVB3	4338	4540	0.31%	0.033%
55	13.795	1862	1865	1871	rVB4	16354	21451	1.45%	0.154%
56	13.865	1871	1877	1879	rBV6	6188	9486	0.64%	0.068%
57	13.965	1886	1894	1896	rBV6	15728	30835	2.08%	0.221%
58	14.059	1906	1910	1912	rBV4	7917	11524	0.78%	0.083%
59	14.153	1924	1926	1928	rBV3	5918	4298	0.29%	0.031%
60	14.224	1931	1938	1944	rVB	463814	688910	46.46%	4.933%
61	14.318	1949	1954	1964	rVB5	30787	66932	4.51%	0.479%
62	14.394	1964	1967	1969	rBV4	9600	13576	0.92%	0.097%
63	14.529	1983	1990	1997	rBV	447817	721499	48.66%	5.167%
64	14.641	2007	2009	2012	rVB4	6885	7023	0.47%	0.050%
65	14.688	2012	2017	2019	rBV5	13270	20918	1.41%	0.150%
66	14.829	2035	2041	2049	rBV2	305801	529791	35.73%	3.794%
67	14.894	2049	2052	2055	rVB3	22921	28122	1.90%	0.201%
68	15.005	2063	2071	2077	rVB3	75899	150406	10.14%	1.077%
69	15.111	2086	2089	2092	rBV4	8733	12776	0.86%	0.091%
70	15.346	2126	2129	2130	rBV2	11082	12077	0.81%	0.086%
71	15.405	2137	2139	2141	rVB3	4791	3920	0.26%	0.028%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019395.D
Acq On : 29 Oct 2015 00:12
Operator : UM/NP
Sample : G4120-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LQ8

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-BG102815.M
Title : SVOA CALIBRATION

72	15.446	2141	2146	2150	rBV5	7623	15736	1.06%	0.113%
73	15.546	2160	2163	2167	rVB5	5905	8641	0.58%	0.062%
74	15.599	2167	2172	2175	rBV5	13586	22355	1.51%	0.160%
75	15.693	2186	2188	2194	rBV6	6772	10326	0.70%	0.074%
76	15.746	2194	2197	2201	rBV6	11040	18722	1.26%	0.134%
77	15.816	2204	2209	2216	rVB	616913	951818	64.20%	6.816%
78	15.922	2221	2227	2235	rVB	290250	444950	30.01%	3.186%
79	16.063	2247	2251	2255	rVB6	26323	34705	2.34%	0.249%
80	16.662	2351	2353	2354	rBV2	5745	3681	0.25%	0.026%
81	17.032	2414	2416	2420	rBV4	6354	7536	0.51%	0.054%
82	17.291	2458	2460	2465	rVB5	15002	19225	1.30%	0.138%
83	17.402	2478	2479	2480	rBV	5186	3584	0.24%	0.026%
84	17.473	2489	2491	2495	rVB5	13789	14554	0.98%	0.104%
85	17.573	2502	2508	2514	rBV	449421	687248	46.35%	4.921%
86	17.673	2519	2525	2531	rVV	768643	1140075	76.89%	8.164%
87	17.755	2535	2539	2545	rVB7	12931	22255	1.50%	0.159%
88	18.037	2584	2587	2588	rBV3	7844	8260	0.56%	0.059%
89	18.196	2610	2614	2617	rBV6	8713	11160	0.75%	0.080%
90	18.313	2631	2634	2639	rBV5	8335	12672	0.85%	0.091%
91	18.395	2646	2648	2651	rBV4	7135	7597	0.51%	0.054%
92	18.437	2651	2655	2659	rVV4	18594	26031	1.76%	0.186%
93	18.501	2663	2666	2672	rVB8	9362	16774	1.13%	0.120%
94	19.001	2749	2751	2752	rBV2	4687	3550	0.24%	0.025%
95	19.512	2835	2838	2840	rBV4	7805	8998	0.61%	0.064%
96	19.947	2906	2912	2918	rBV	1089887	1482663	100.00%	10.617%
97	20.158	2946	2948	2952	rBV6	7985	8693	0.59%	0.062%
98	21.862	3231	3238	3244	rBV	538062	943529	63.64%	6.757%
99	25.005	3763	3773	3785	rVB	504384	1444833	97.45%	10.347%
100	25.240	3803	3813	3824	rVB	289410	853361	57.56%	6.111%

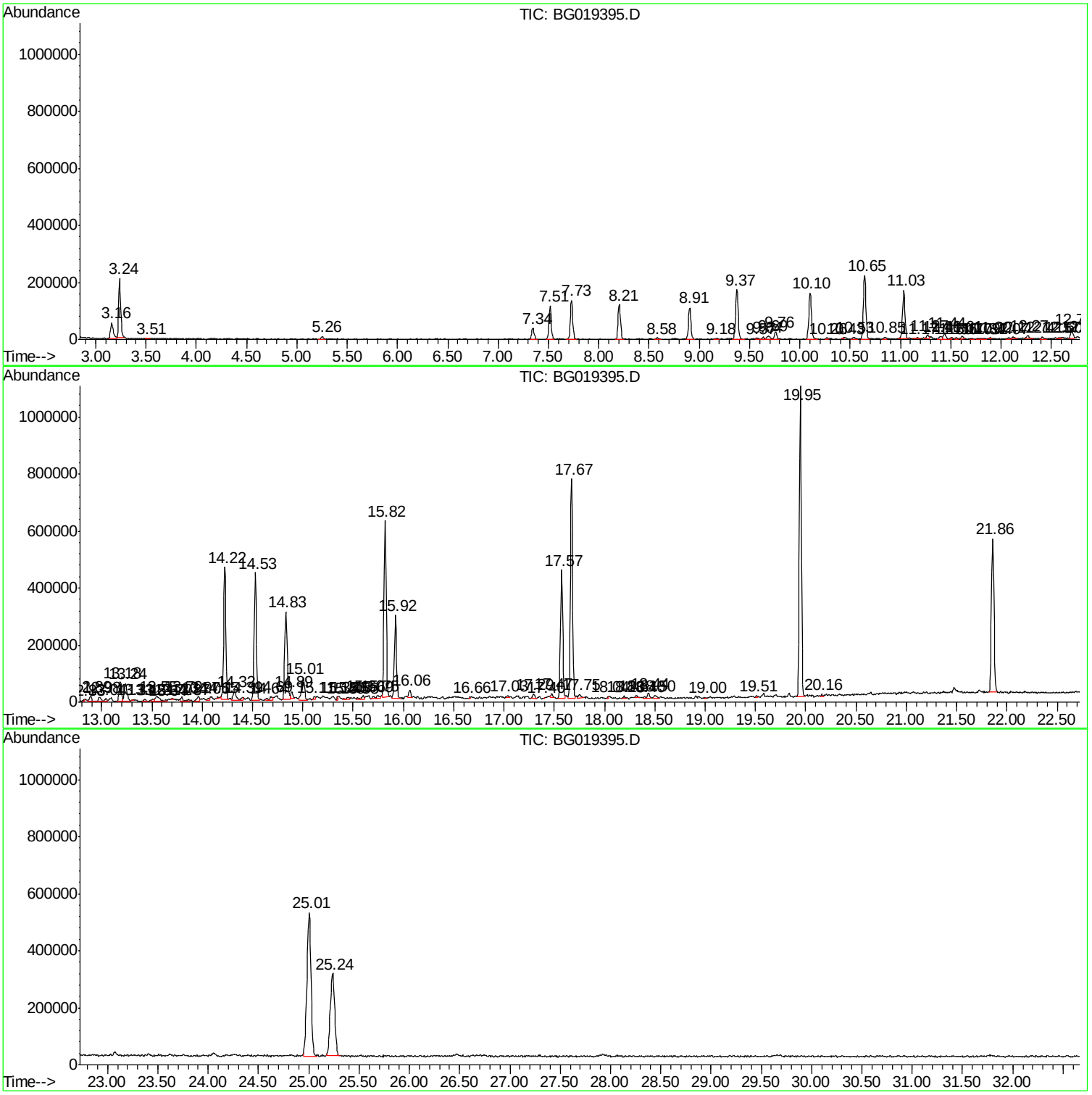
Sum of corrected areas: 13964379

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019395.D
Acq On : 29 Oct 2015 00:12
Operator : UM/NP
Sample : G4120-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LQ8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.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\BG102815\
Data File : BG019395.D
Acq On : 29 Oct 2015 00:12
Operator : UM/NP
Sample : G4120-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LQ8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

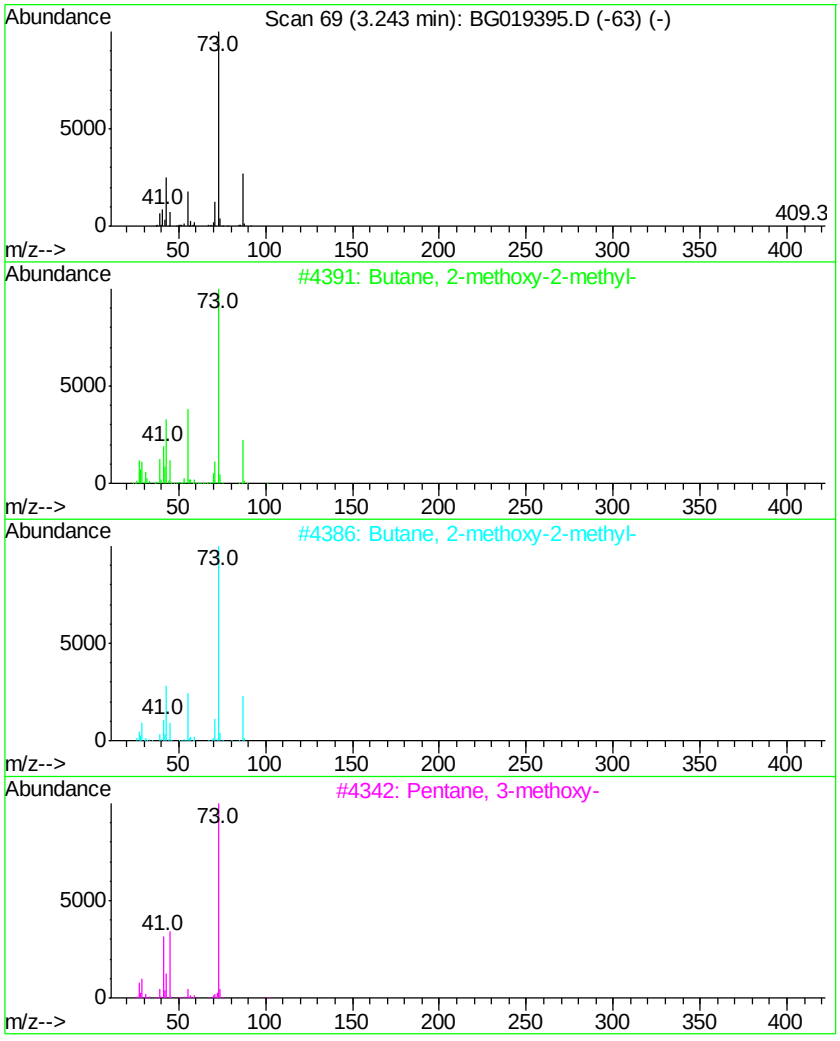
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

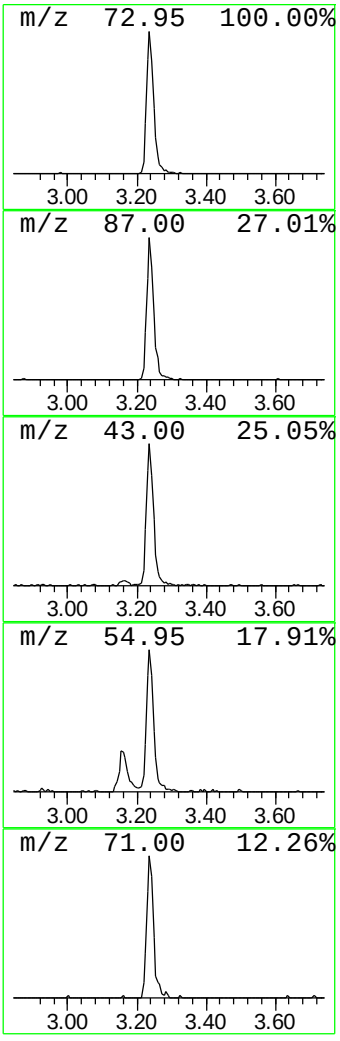
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.24	27.52 ng/ul	287591	1,4-Dichlorobenzene-d4	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	50
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019395.D
Acq On : 29 Oct 2015 00:12
Operator : UM/NP
Sample : G4120-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LQ8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

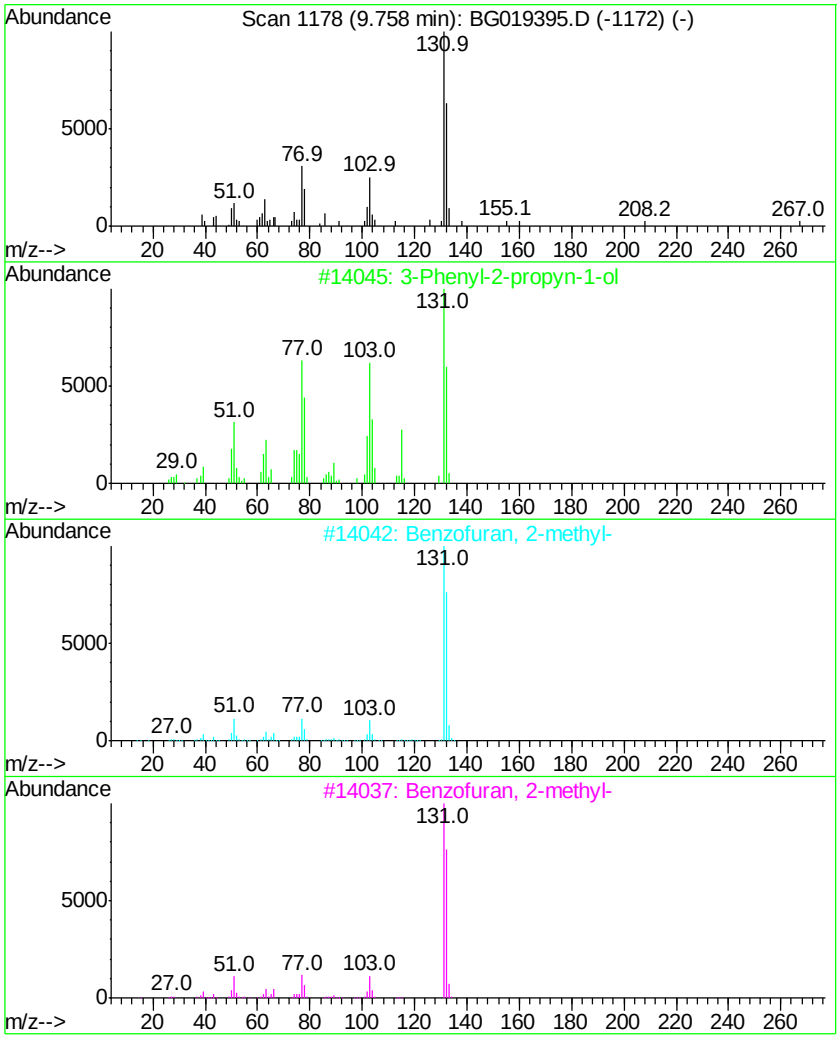
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

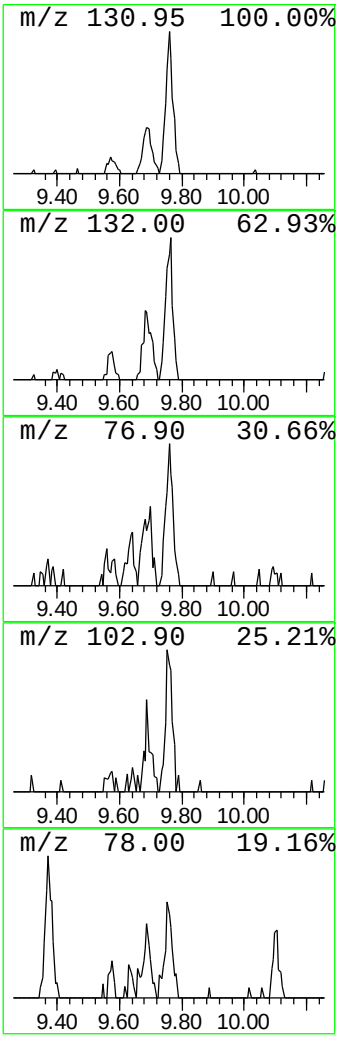
****

Peak Number 3 3-Phenyl-2-propyn-1-ol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	2.80 ng/ul	43222	Naphthalene-d8	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	72
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	68





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019395.D
Acq On : 29 Oct 2015 00:12
Operator : UM/NP
Sample : G4120-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LQ8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

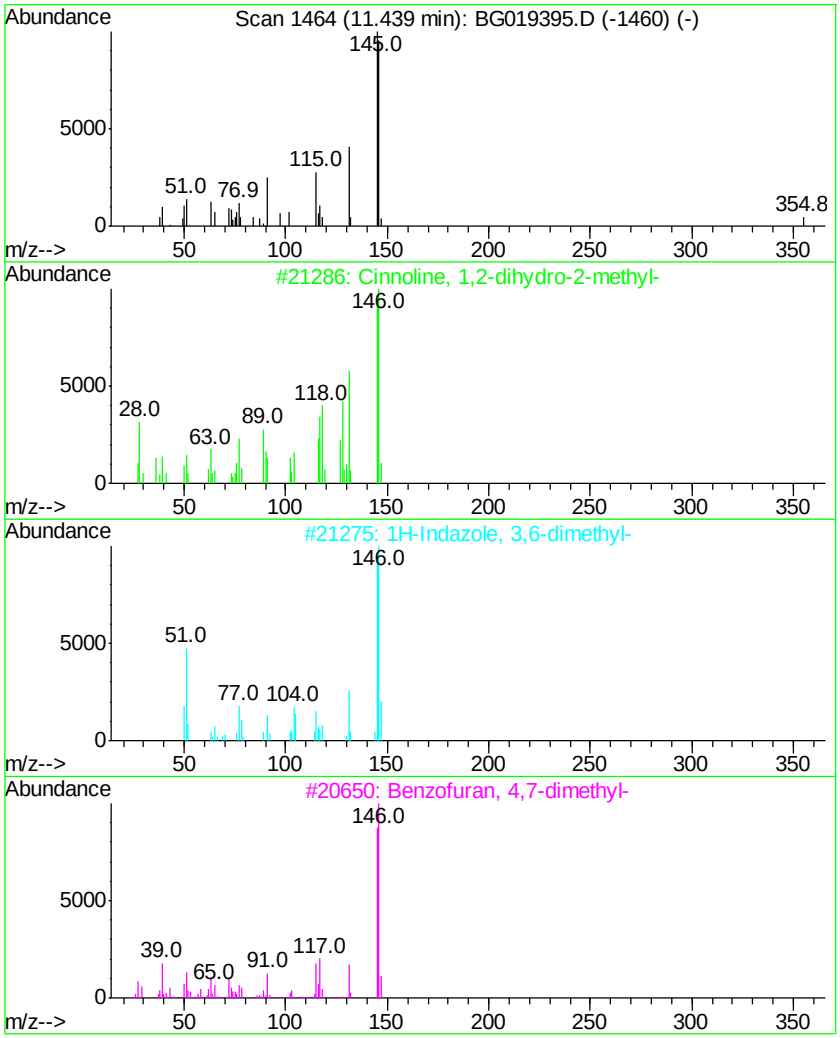
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

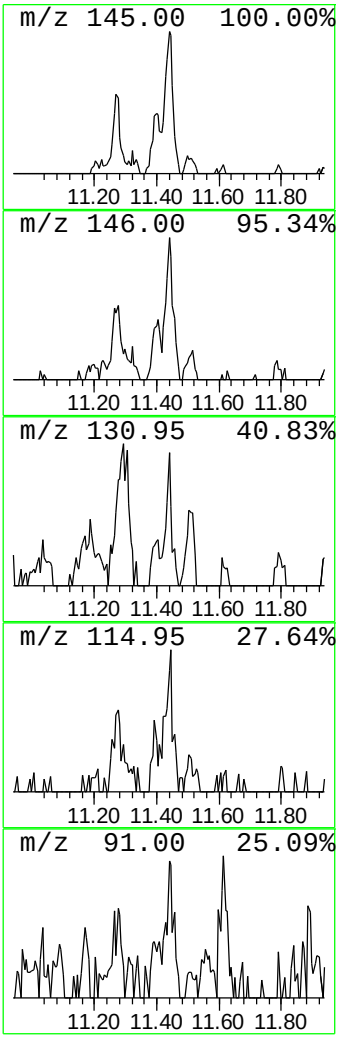
****

Peak Number 4 Cinnoline, 1,2-dihydro-2-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	2.43 ng/ul	37549	Naphthalene-d8	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnoline, 1,2-dihydro-2-methyl-	146	C9H10N2	054063-10-4	72
2	1H-Indazole, 3,6-dimethyl-	146	C9H10N2	007746-28-3	64
3	Benzofuran, 4,7-dimethyl-	146	C10H10O	028715-26-6	58
4	1-Naphthalenol, 5,8-dihydro-	146	C10H10O	027673-48-9	56
5	1,2-Dimethylbenzimidazole	146	C9H10N2	002876-08-6	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019395.D
Acq On : 29 Oct 2015 00:12
Operator : UM/NP
Sample : G4120-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LQ8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

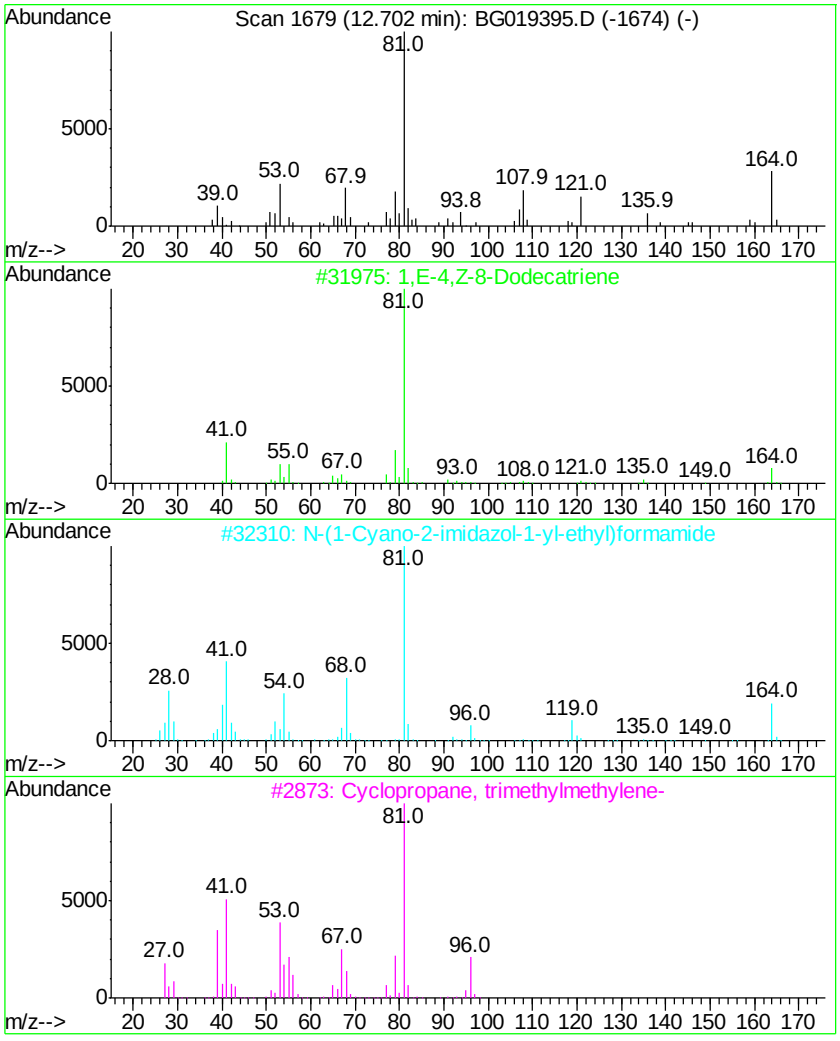
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

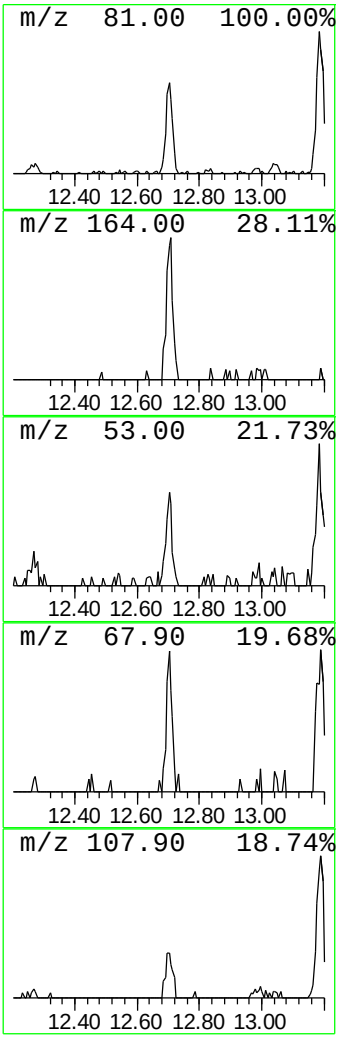
****

Peak Number 5 1,E-4,Z-8-Dodecatriene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	3.62 ng/ul	55947	Naphthalene-d8	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,E-4,Z-8-Dodecatriene	164	C12H20	083489-22-9	53
2	N-(1-Cyano-2-imidazol-1-yl-ethyl...	164	C7H8N4O	1000191-43-1	50
3	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	47
4	Cyclopropane, 1-chloro-2-ethenyl...	116	C6H9Cl	062337-93-3	43
5	2,4-Heptadienal, (E,E)-	110	C7H10O	004313-03-5	43





Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019395.D
Acq On : 29 Oct 2015 00:12
Operator : UM/NP
Sample : G4120-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LQ8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

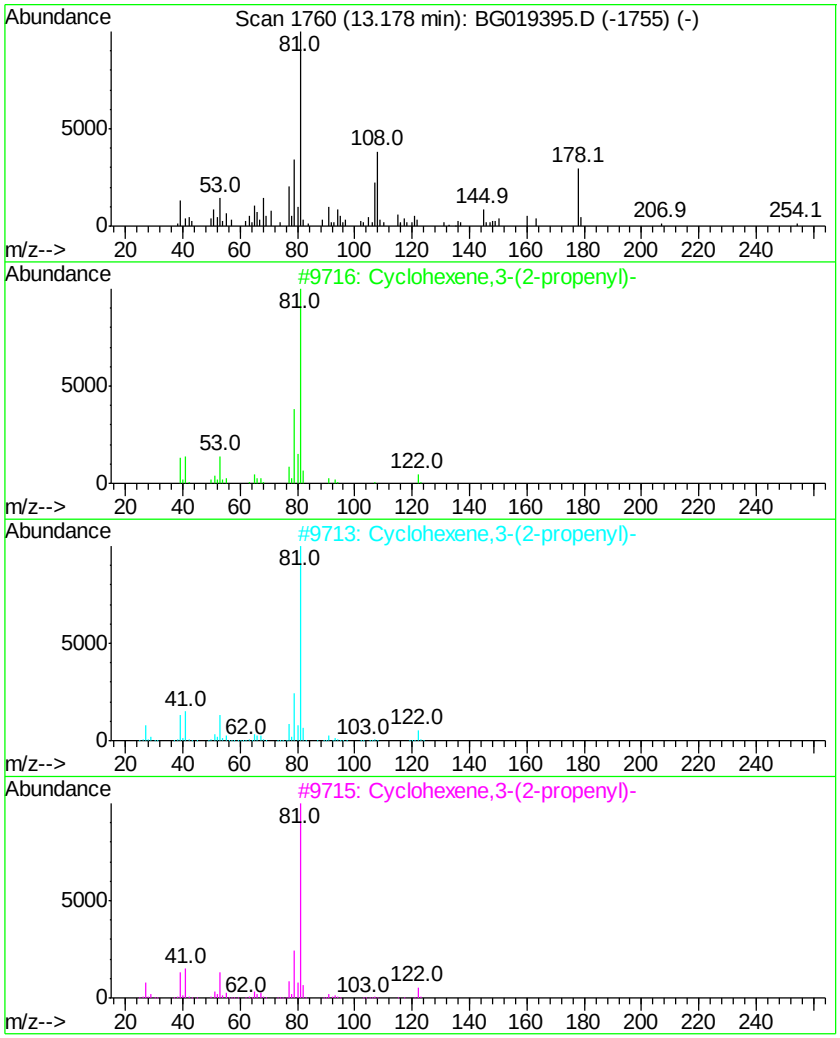
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

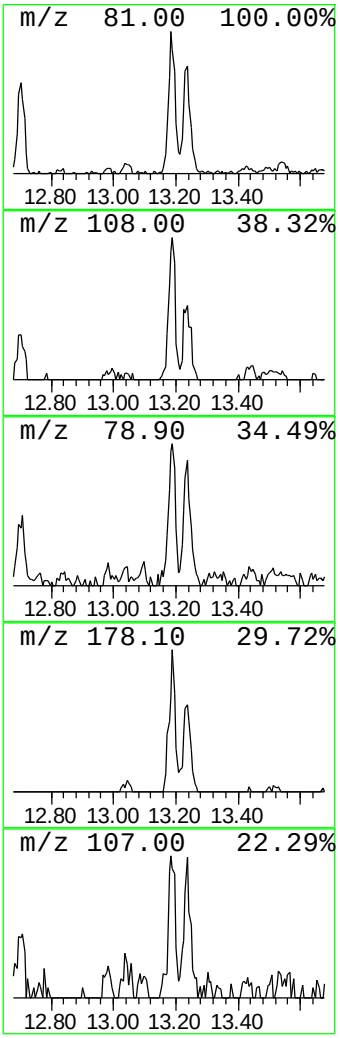
****

Peak Number 6 Cyclohexene,3-(2-propenyl)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	3.99 ng/ul	105698	Acenaphthene-d10	14.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene,3-(2-propenyl)-	122	C9H14	015232-95-8	64
2	Cyclohexene,3-(2-propenyl)-	122	C9H14	015232-95-8	50
3	Cyclohexene,3-(2-propenyl)-	122	C9H14	015232-95-8	50
4	Cyclohexene, 3-bromo-	160	C6H9Br	001521-51-3	50
5	Bicyclo[2.1.0]pentane, 1,4-dimet...	96	C7H12	017065-18-8	49





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019395.D
Acq On : 29 Oct 2015 00:12
Operator : UM/NP
Sample : G4120-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LQ8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

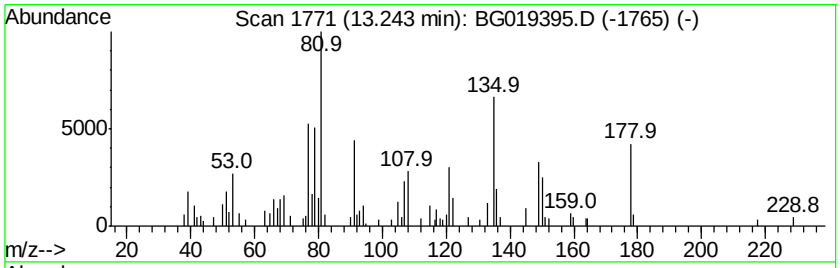
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

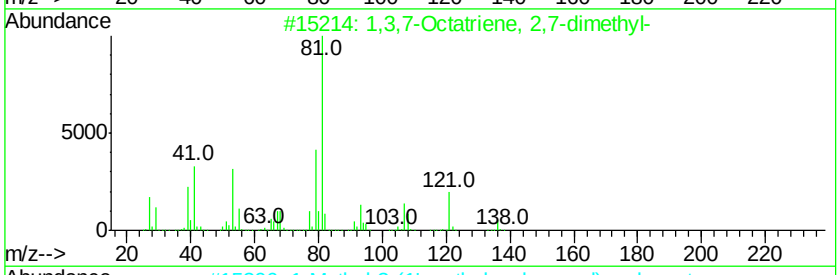
****

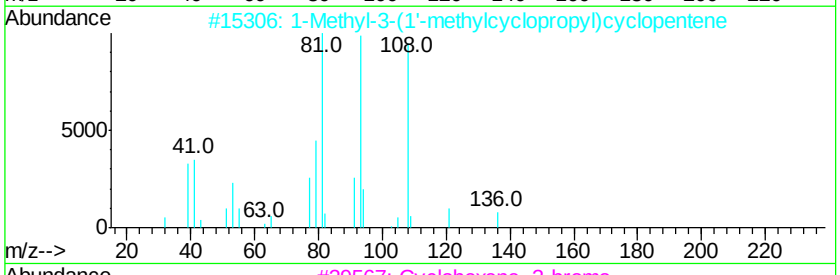
Peak Number 7 1,3,7-Octatriene, 2,7-dimet... Concentration Rank 3

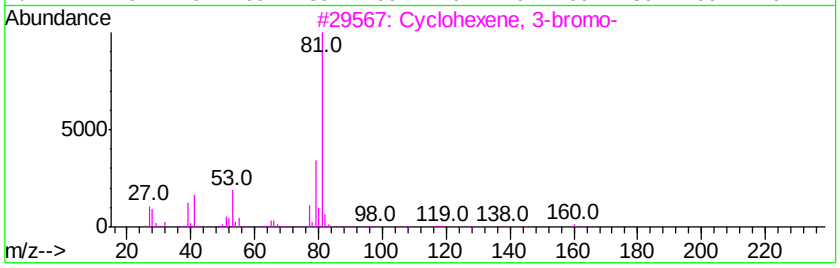
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	4.35 ng/ul	115142	Acenaphthene-d10	14.83

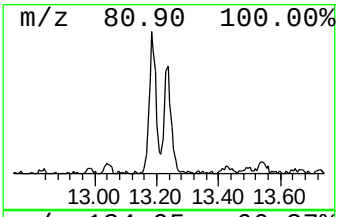
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,7-Octatriene, 2,7-dimethyl-	136	C10H16	036638-38-7	50
2	1-Methyl-3-(1'-methylcyclopropyl...	136	C10H16	103240-53-5	49
3	Cyclohexene, 3-bromo-	160	C6H9Br	001521-51-3	43
4	1-Bromomethylenedecahydronaphtha...	228	C11H17Br	1000191-97-5	40
5	Trifluoroacetyl-.alpha.-fenchol	250	C12H17F3O2	031076-73-0	37

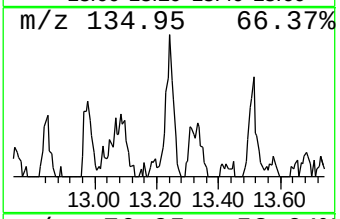


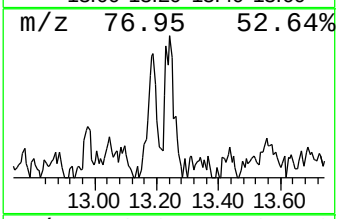


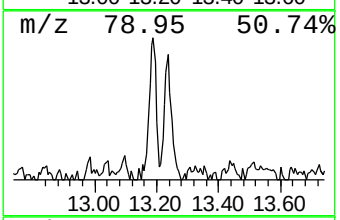


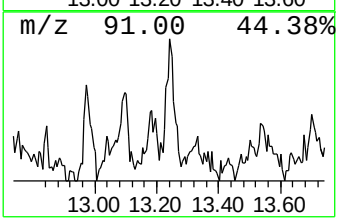












Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG102815\
Data File : BG019395.D
Acq On : 29 Oct 2015 00:12
Operator : UM/NP
Sample : G4120-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E5LQ8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.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
Butane, 2-methoxy...	3.24	27.5	ng/ul	287591	1	8.21	209008	20.0
3-Phenyl-2-propyn...	9.76	2.8	ng/ul	43222	2	11.03	308823	20.0
Cinnoline, 1,2-di...	11.44	2.4	ng/ul	37549	2	11.03	308823	20.0
1,E-4,Z-8-Dodecat...	12.70	3.6	ng/ul	55947	2	11.03	308823	20.0
Cyclohexene,3-(2-...	13.18	4.0	ng/ul	105698	3	14.83	529791	20.0
1,3,7-Octatriene,...	13.24	4.3	ng/ul	115142	3	14.83	529791	20.0