LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GAS-LINE-WASTE-COMP

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_F\METHODS\8270-BF043015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.324	9	12	23	rVB2	109108	263454	7.49%	1.073%
2	1.473	23	25	32	rVV	116948	200744	5.71%	0.818%
3	1.610	35	37	45	rVV	103195	184098	5.23%	0.750%
4	1.713	45	46	71	rVB	1900579	3518271	100.00%	14.335%
5	4.787	314	315	322	rVB	49478	72043	2.05%	0.294%
6	5.347	362	364	377	rBV	505736	836893	23.79%	3.410%
7	6.650	476	478	486	rVB	739874	950589	27.02%	3.873%
8	6.776	486	489	492	rBV	831858	906074	25.75%	3.692%
9	7.050	511	513	515	rBV	462068	414864	11.79%	1.690%
10	7.233	527	529	532	rVB	714958	685210	19.48%	2.792%
11	7.747	572	574	576	rBV	409965	357004	10.15%	1.455%
12	8.319	619	624	625	rBV3	26798	50178	1.43%	0.204%
13	8.376	625	629	639	rVB2	66407	194766	5.54%	0.794%
14	8.628	649	651	654	rBV	660825	582812	16.57%	2.375%
15	8.868	664	672	677	rBV	22259	93950	2.67%	0.383%
16	9.976	767	769	771	rVB	1210390	1052424	29.91%	4.288%
17	10.273	791	795	800	rBV3	28025	58495	1.66%	0.238%
18	10.376	802	804	808	rBV3	48724	81354	2.31%	0.331%
19	10.491	811	814	816	rBV	73769	103299	2.94%	0.421%
20	10.616	823	825	828	rVB2	33469	48112	1.37%	0.196%
21	10.799	836	841	843	rBV2	602267	773259	21.98%	3.151%
22	11.131	867	870	872	rBV	29017	46892	1.33%	0.191%
23	11.176	872	874	878	rVB3	16537	40192	1.14%	0.164%
24	11.394	891	893	896	rVB	25300	35806	1.02%	0.146%
25	11.668	913	917	919	rBV2	23678	53915	1.53%	0.220%
26	11.782	924	927	930	rVV2	451791	607907	17.28%	2.477%
27	11.931	938	940	942	rVB3	25779	45469	1.29%	0.185%
28	11.976	942	944	948	rVB	38672	59634	1.69%	0.243%
29	12.331	970	975	976	rBV5	13400	37044	1.05%	0.151%
30	12.445	983	985	988	rBV	95636	143729	4.09%	0.586%
31	12.628	999	1001	1003	rBV	473187	688495	19.57%	2.805%
32	12.731	1006	1010	1011	rBV	89953	122055	3.47%	0.497%
33	12.811	1016	1017	1021	rVB	35000	35749	1.02%	0.146%
34	13.257	1055	1056	1058	rBV	34280	49876	1.42%	0.203%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GAS-LINE-WASTE-COMP

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_F\METHODS\8270-BF043015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.291	1058	1059	1062	rVB	52635	76802	2.18%	0.313%
36	13.371	1062	1066	1069	rBV2	221678	428587	12.18%	1.746%
37	13.417	1069	1070	1074	rVB2	77624	116976	3.32%	0.477%
38	13.497	1074	1077	1079	rBV3	22272	40610	1.15%	0.165%
39	13.634	1088	1089	1091	rVV	39006	42177	1.20%	0.172%
40	13.668	1091	1092	1096	rVB4	25549	38822	1.10%	0.158%
41	13.794	1101	1103	1104	rBV	21643	35888	1.02%	0.146%
42	13.828	1104	1106	1110	rVB2	59122	70641	2.01%	0.288%
43	13.908	1111	1113	1118	rBV3	94369	247848	7.04%	1.010%
44	13.988	1118	1120	1122	rVV2	63090	100194	2.85%	0.408%
45	14.034	1122	1124	1128	rVB2	76115	153375	4.36%	0.625%
46	14.102	1128	1130	1131	rBV	46195	56160	1.60%	0.229%
47	14.137	1131	1133	1135	rVB	508859	490753	13.95%	1.999%
48	14.205	1137	1139	1142	rVV	513642	667940	18.98%	2.721%
49	14.251	1142	1143	1146	rVB	51415	64753	1.84%	0.264%
50	14.354	1150	1152	1155	rVV4	44022	102109	2.90%	0.416%
51	14.411	1155	1157	1159	rVB	399731	479214	13.62%	1.952%
52	14.571	1169	1171	1174	rBV2	51998	94380	2.68%	0.385%
53	14.628	1174	1176	1178	rVV	1114014	1111757	31.60%	4.530%
54	14.720	1181	1184	1188	rVB4	59727	121315	3.45%	0.494%
55	14.788	1188	1190	1193	rBV	370385	416979	11.85%	1.699%
56	14.960	1202	1205	1207	rBV2	88108	129396	3.68%	0.527%
57	15.074	1211	1215	1216	rBV3	46788	72448	2.06%	0.295%
58	15.120	1216	1219	1222	rBV	1966015	2168453	61.63%	8.835%
59	15.200	1225	1226	1229	rBV	46319	97038	2.76%	0.395%
60	15.268	1229	1232	1234	rVB2	100592	149525	4.25%	0.609%
61	15.337	1236	1238	1240	rBV2	35930	52535	1.49%	0.214%
62	15.474	1247	1250	1251	rBV	56251	78025	2.22%	0.318%
63	15.543	1254	1256	1259	rBV3	53319	100592	2.86%	0.410%
64	15.600	1259	1261	1263	rVV2	50807	77761	2.21%	0.317%
65	15.680	1266	1268	1271	rVV4	71904	131774	3.75%	0.537%
66	15.737	1271	1273	1277	rVV	45517	68352	1.94%	0.278%
67	15.805	1277	1279	1282	rBV3	142829	223248	6.35%	0.910%
68	15.920	1287	1289	1293	rVV2	642488	950531	27.02%	3.873%
69	16.194	1311	1313	1315	rBV3	41098	52895	1.50%	0.216%
70	16.274	1318	1320	1323	rVB2	109852	156960	4.46%	0.640%
71	16.388	1327	1330	1332	rBV2	64338	126278	3.59%	0.514%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GAS-LINE-WASTE-COMP

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_F\METHODS\8270-BF043015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	17.234	1402	1404	1411	rBV	144373	461657	13.12%	1.881%
73	17.566	1431	1433	1436	rBV	127450	182761	5.19%	0.745%
74	17.634	1436	1439	1442	rVB	123330	189574	5.39%	0.772%
75	17.691	1442	1444	1447	rBV	498739	722230	20.53%	2.943%

Sum of corrected areas: 24543969

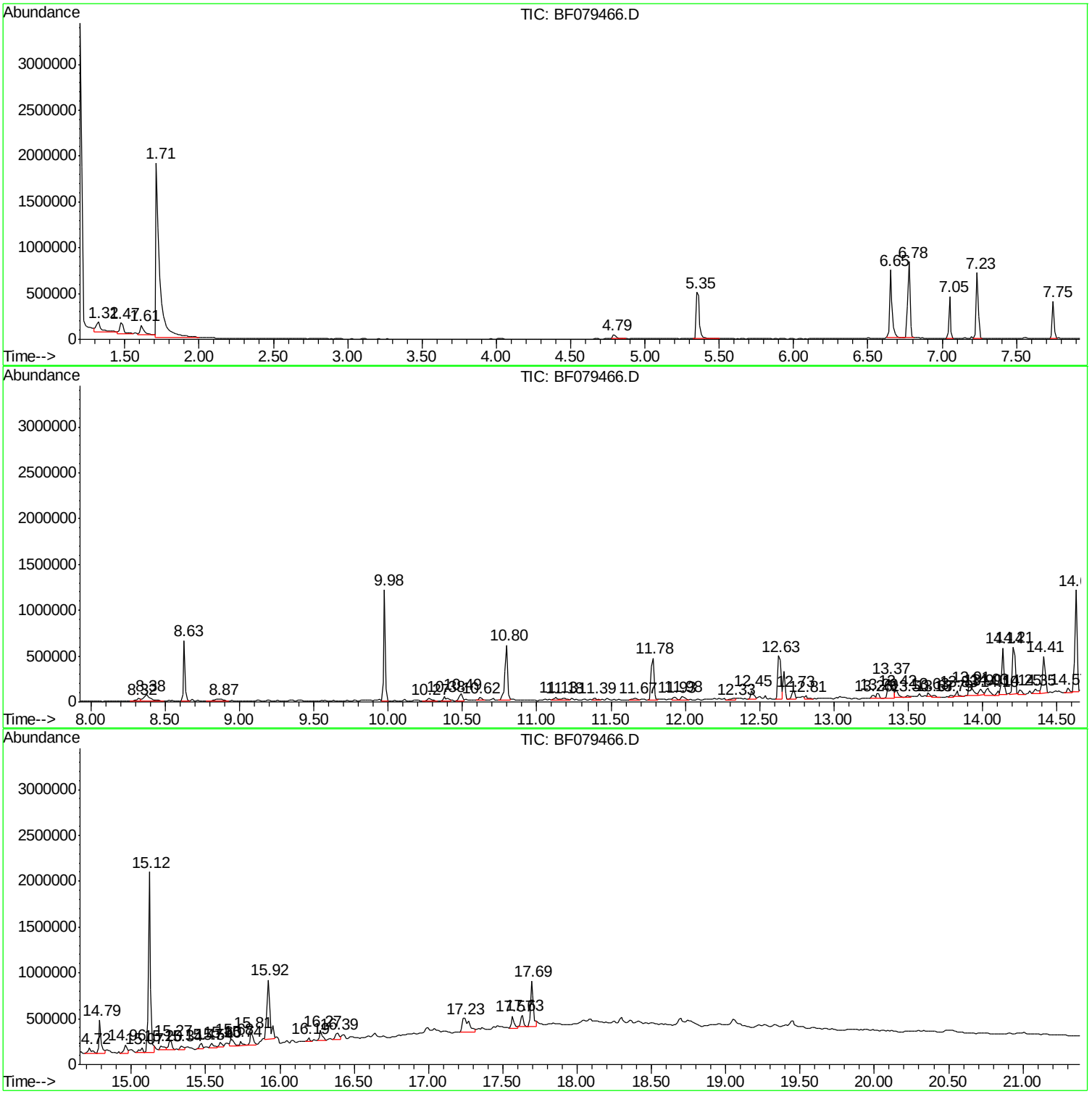
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GAS-LINE-WASTE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GAS-LINE-WASTE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

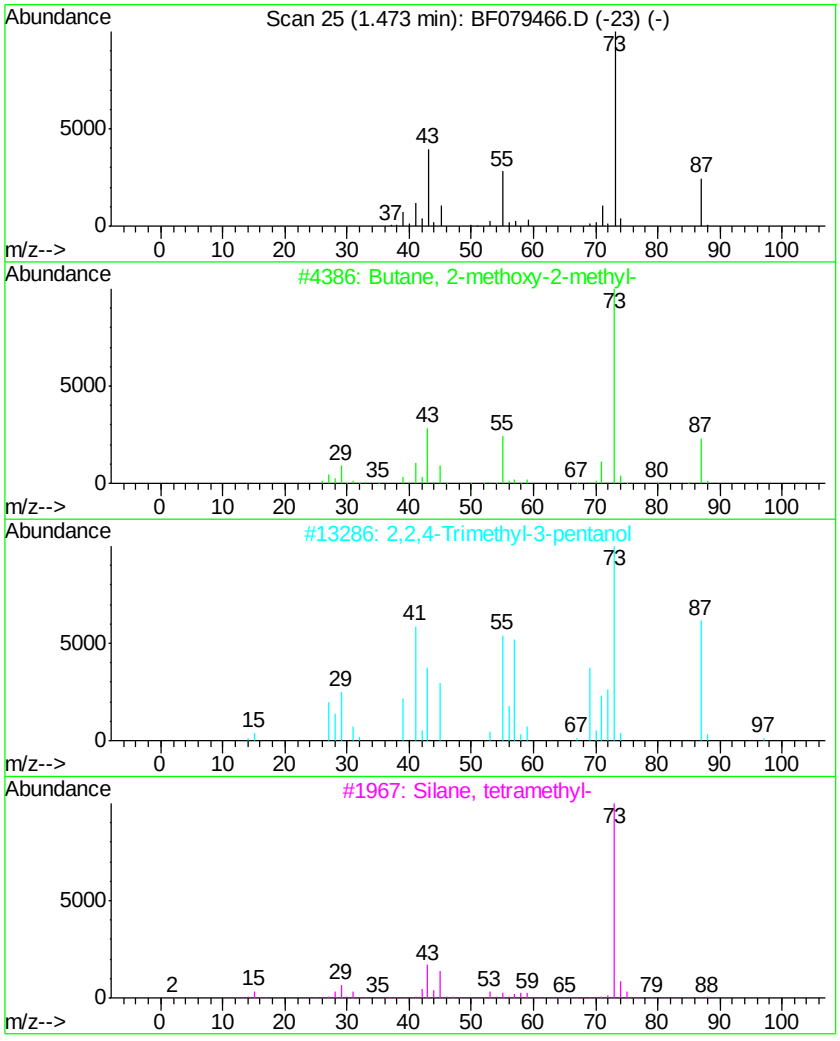
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

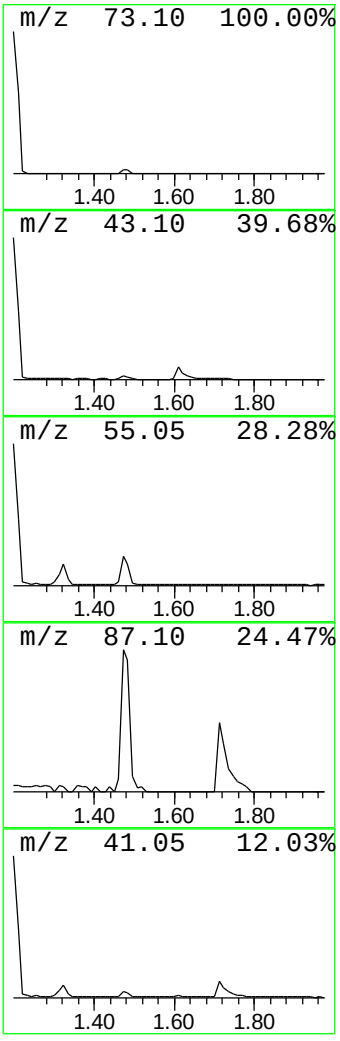
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.47	9.68 ng	200744	1,4-Dichlorobenzene-d4	7.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
4	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GAS-LINE-WASTE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

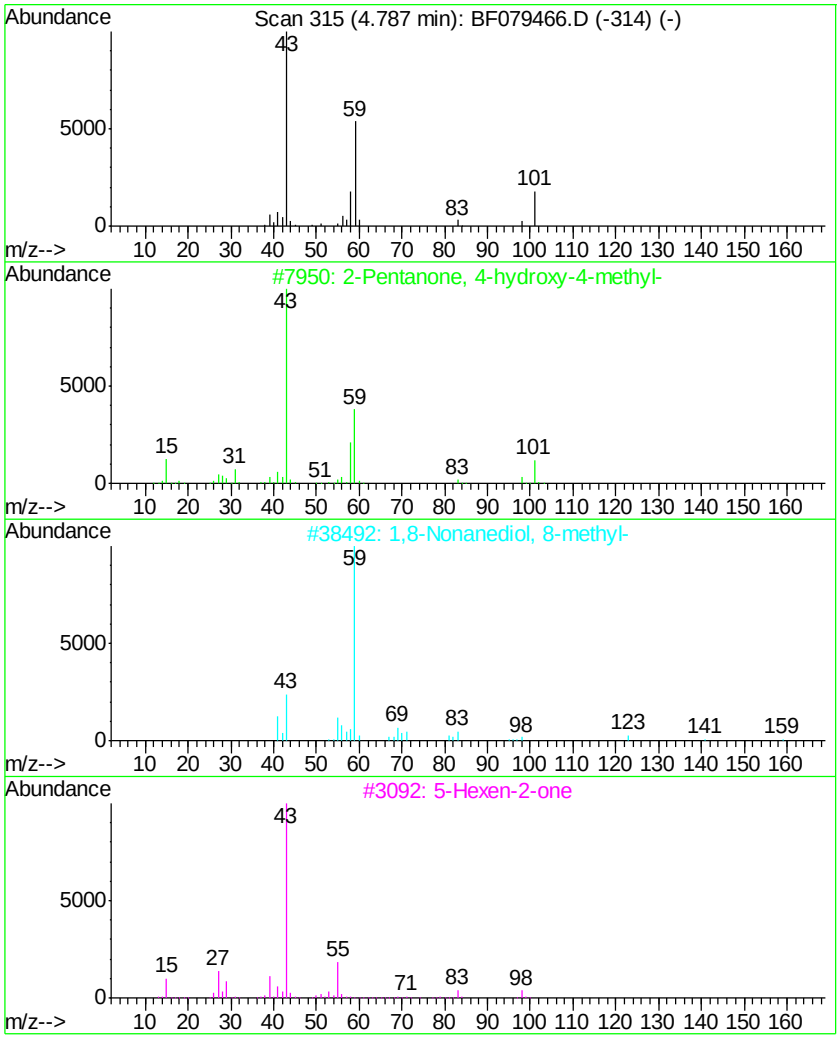
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

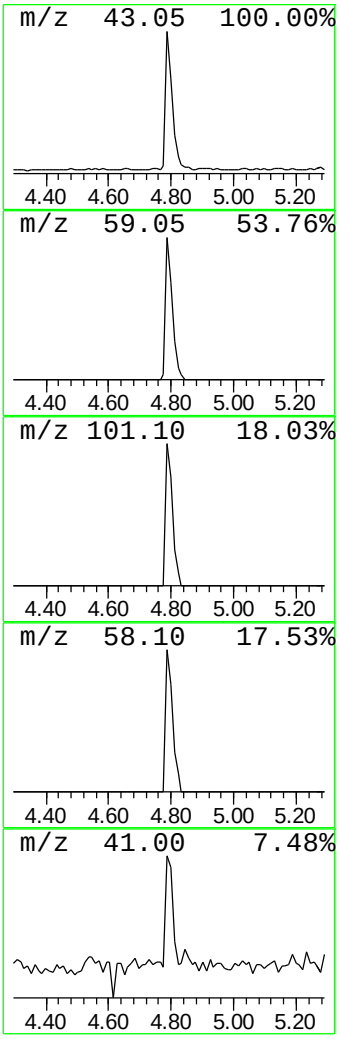
****

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.79	3.47 ng	72043	1,4-Dichlorobenzene-d4	7.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	28
3	5-Hexen-2-one	98	C6H10O	000109-49-9	10
4	Diacetamide	101	C4H7NO2	000625-77-4	9
5	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GAS-LINE-WASTE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

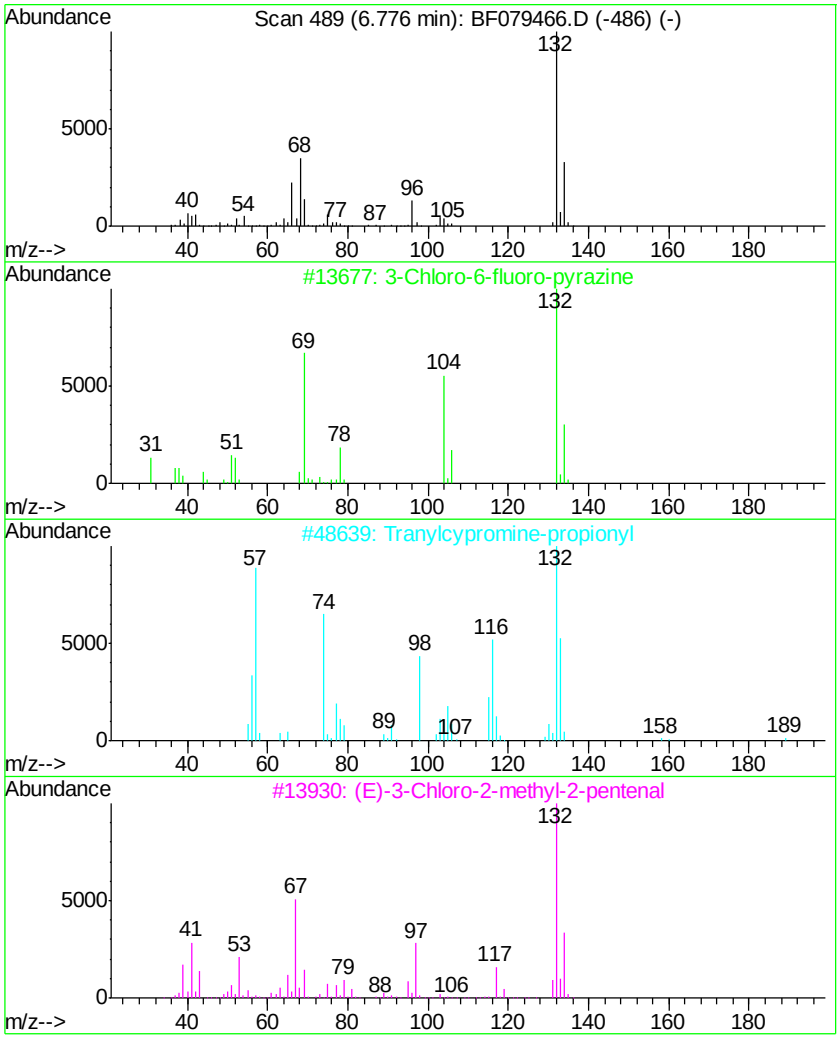
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

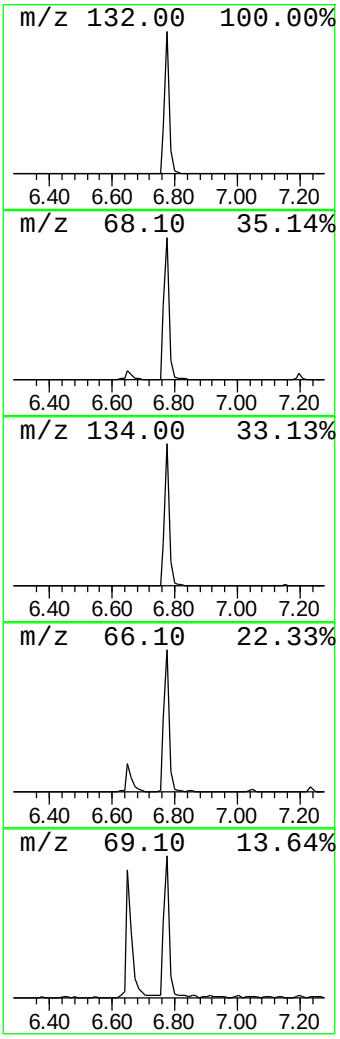
****

Peak Number 6 unknown6.78 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	43.68 ng	906074	1,4-Dichlorobenzene-d4	7.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GAS-LINE-WASTE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

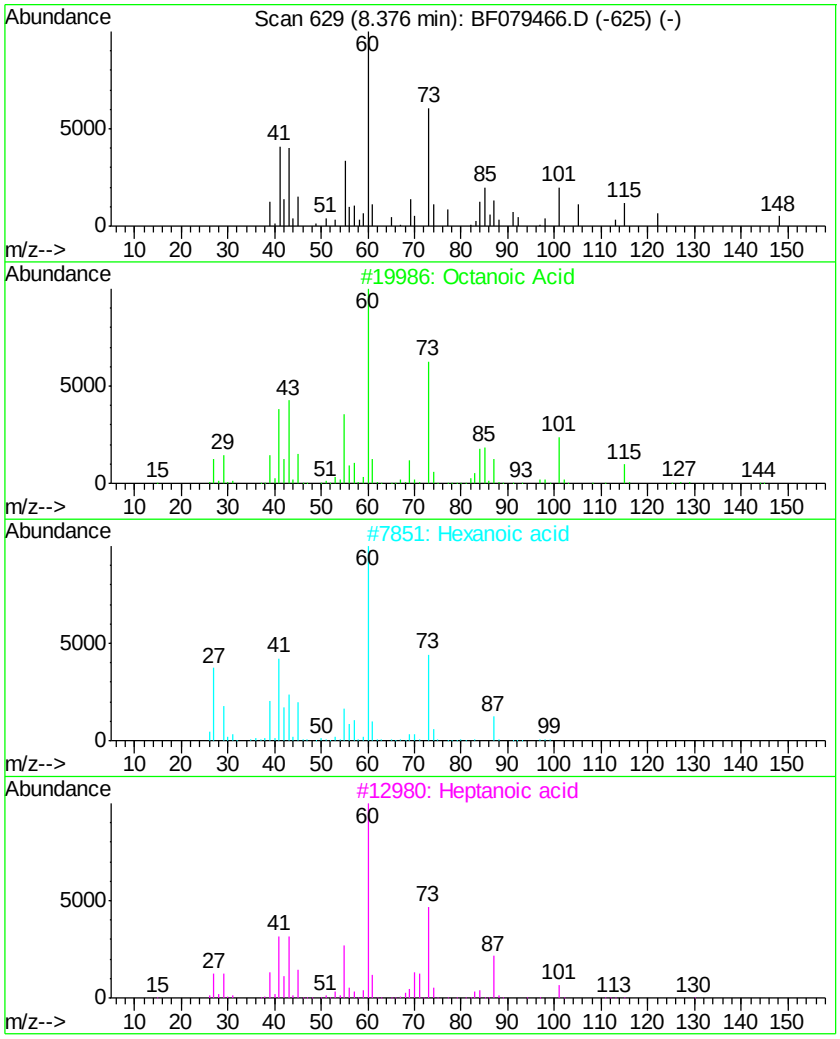
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

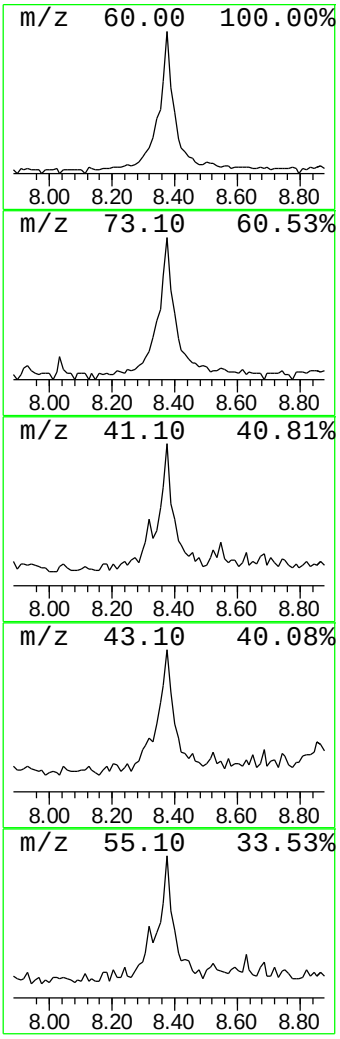
****

Peak Number 8 Octanoic Acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.38	6.68 ng	194766	Naphthalene-d8	8.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanoic Acid	144	C8H16O2	000124-07-2	90
2	Hexanoic acid	116	C6H12O2	000142-62-1	50
3	Heptanoic acid	130	C7H14O2	000111-14-8	47
4	Pentanoic acid	102	C5H10O2	000109-52-4	47
5	Ethyl .alpha.-d-glucopyranoside	208	C8H16O6	1000127-29-4	40





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GAS-LINE-WASTE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

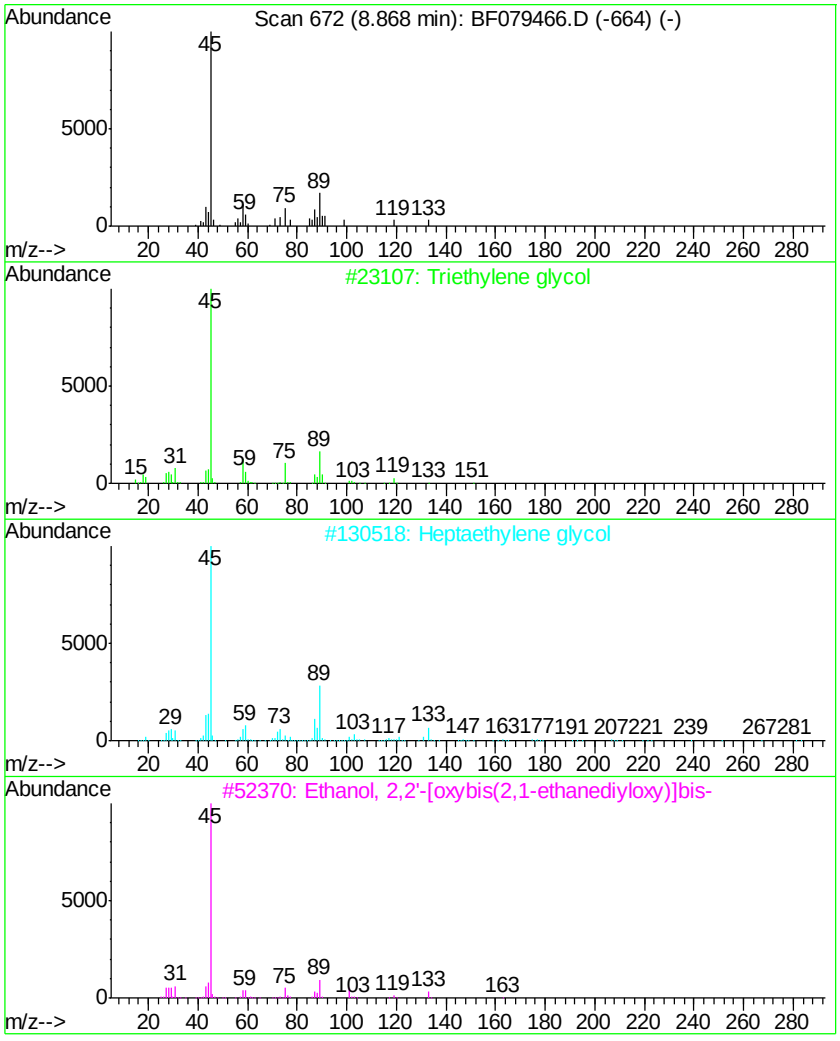
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

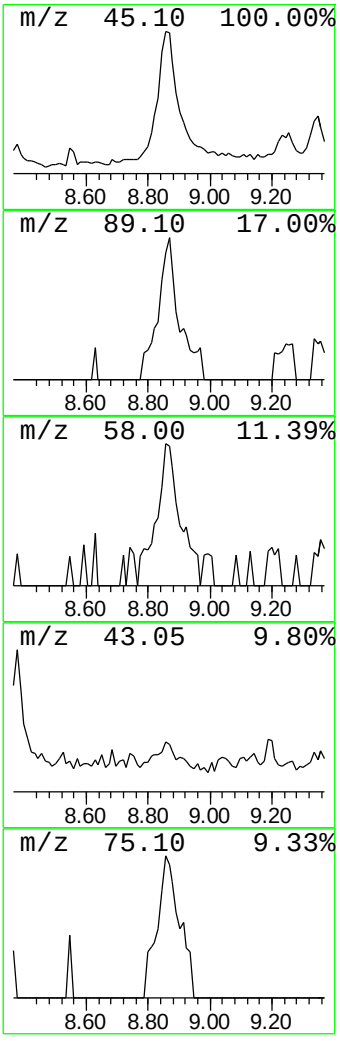
****

Peak Number 9 Triethylene glycol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	3.22 ng	93950	Naphthalene-d8	8.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triethylene glycol	150	C6H14O4	000112-27-6	86
2	Heptaethylene glycol	326	C14H30O8	005617-32-3	56
3	Ethanol, 2,2'-[oxybis(2,1-ethane...	194	C8H18O5	000112-60-7	56
4	3,6,9,12,15-Pentaoxanonadecan-1-ol	294	C14H30O6	001786-94-3	56
5	Propane, 1-methoxy-2-methyl-	88	C5H12O	000625-44-5	52





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GAS-LINE-WASTE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

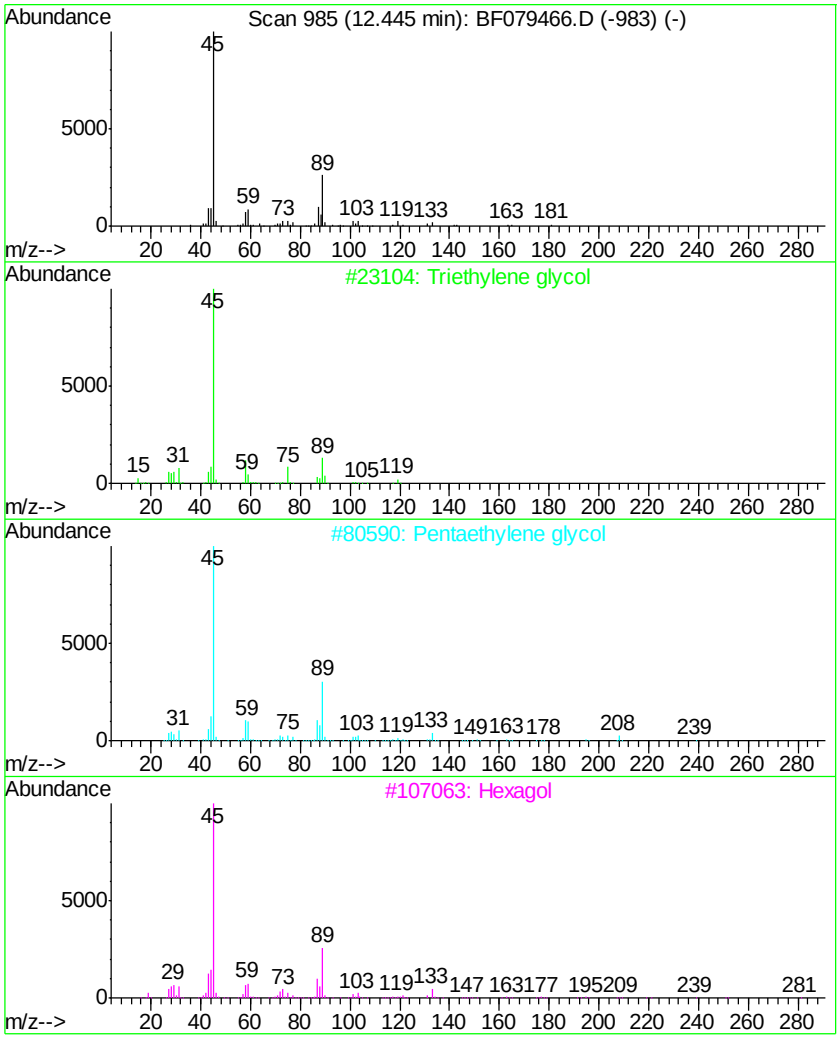
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

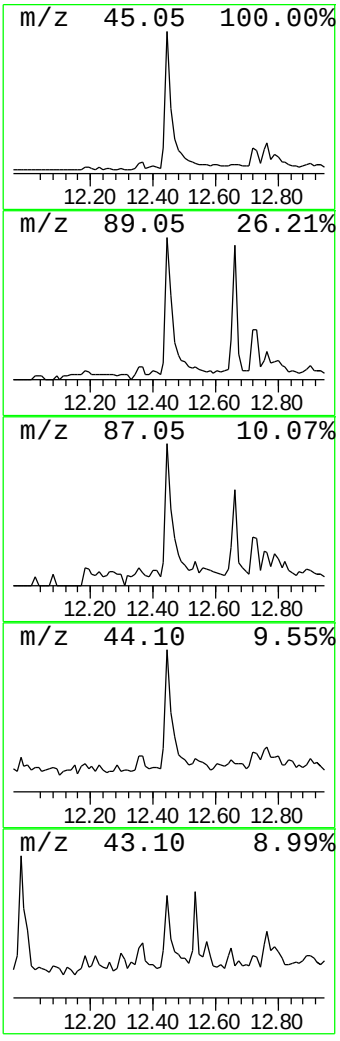
****

Peak Number 10 Pentaethylene glycol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	4.18 ng	143729	Phenanthrene-d10	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triethylene glycol	150	C6H14O4	000112-27-6	83
2	Pentaethylene glycol	238	C10H22O6	004792-15-8	83
3	Hexagol	282	C12H26O7	002615-15-8	72
4	Acetaldehyde, tetramer	176	C8H16O4	000108-62-3	72
5	Heptaethylene glycol	326	C14H30O8	005617-32-3	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GAS-LINE-WASTE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

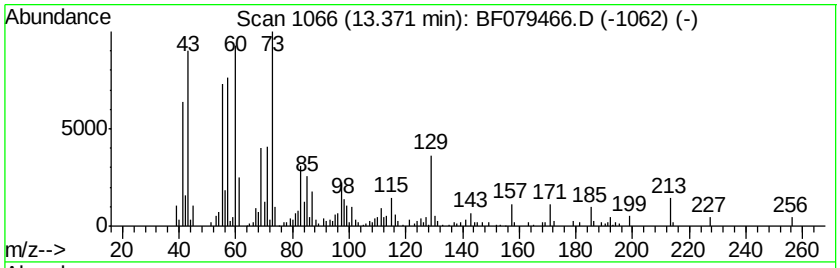
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

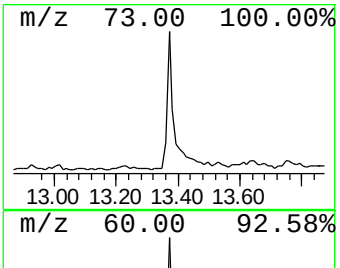
****

Peak Number 11 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	12.45 ng	428587	Phenanthrene-d10	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Tridecanoic acid	214	C13H26O2	000638-53-9	92
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	n-Decanoic acid	172	C10H20O2	000334-48-5	58
5	Hexadecane	226	C16H34	000544-76-3	11





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GAS-LINE-WASTE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

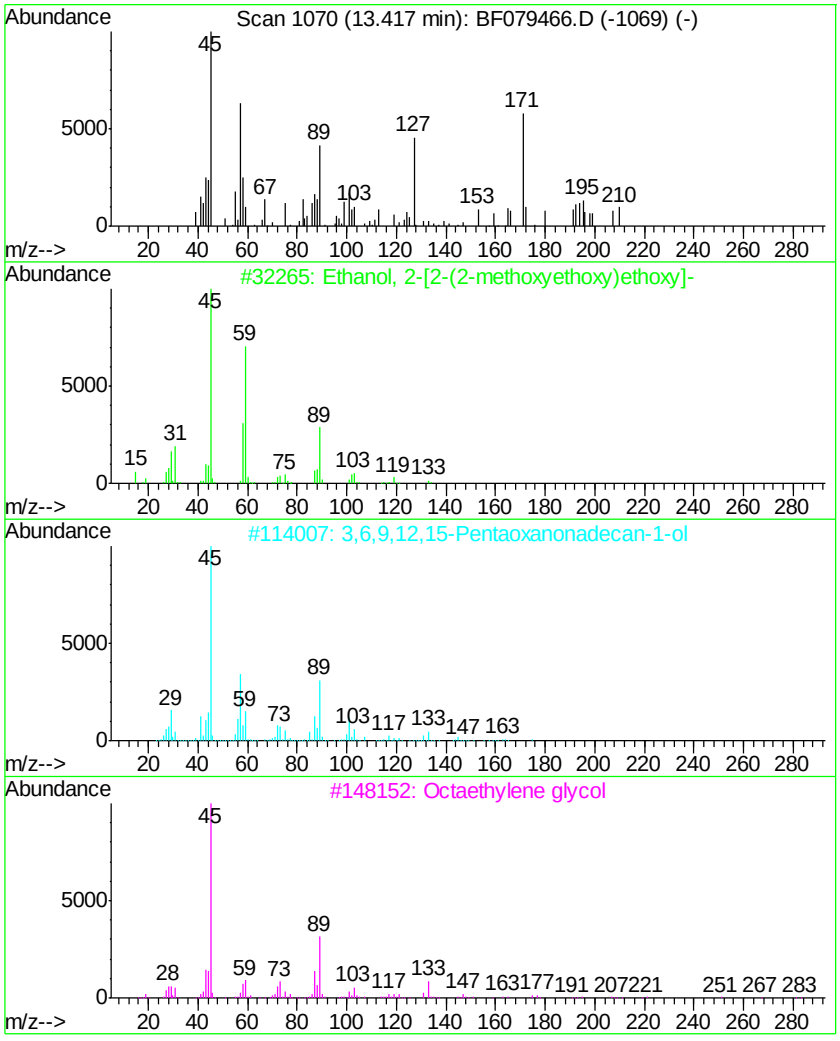
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

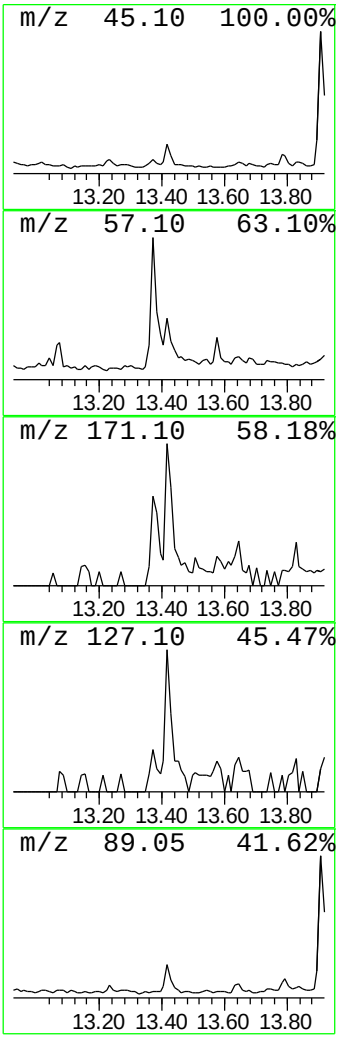
****

Peak Number 12 unknown13.42 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	3.40 ng	116976	Phenanthrene-d10	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-[2-(2-methoxyethoxy)e...	164	C7H16O4	000112-35-6	35
2	3,6,9,12,15-Pentaoxanonadecan-1-ol	294	C14H30O6	001786-94-3	35
3	Octaethylene glycol	370	C16H34O9	1000289-34-2	35
4	Heptaethylene glycol	326	C14H30O8	005617-32-3	35
5	1-Ethyl-1-pentyloxy-1-silacyclop...	200	C11H24OSi	232270-62-1	32





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GAS-LINE-WASTE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

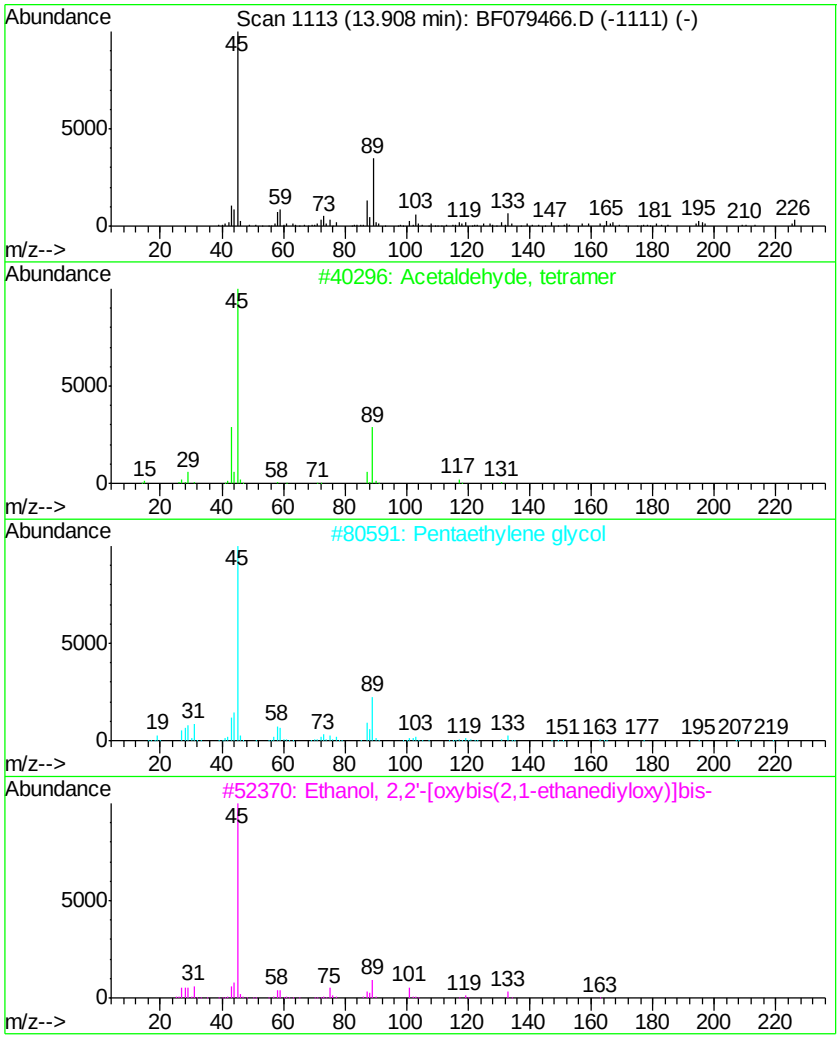
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

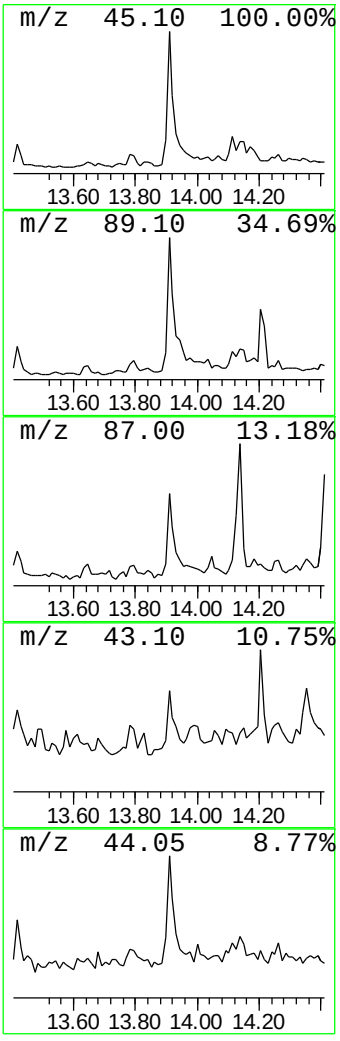
****

Peak Number 13 Acetaldehyde, tetramer Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	7.20 ng	247848	Phenanthrene-d10	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde, tetramer	176	C8H16O4	000108-62-3	64
2	Pentaethylene glycol	238	C10H22O6	004792-15-8	64
3	Ethanol, 2,2'-[oxybis(2,1-ethane...	194	C8H18O5	000112-60-7	56
4	2,5,8,11,14-Pentaoxahexadecan-16-ol	252	C11H24O6	023778-52-1	56
5	Ethanol, 1-[2-[2-(1-methylethoxy...	192	C9H20O4	029681-21-8	56





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GAS-LINE-WASTE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

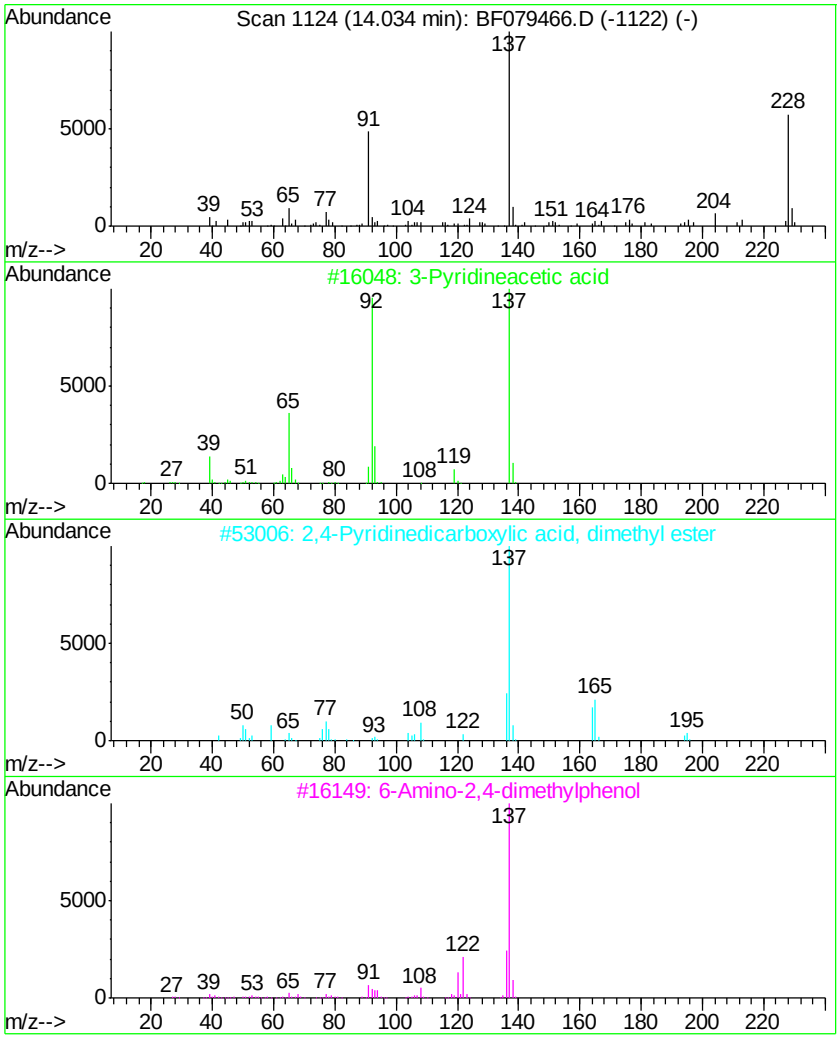
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

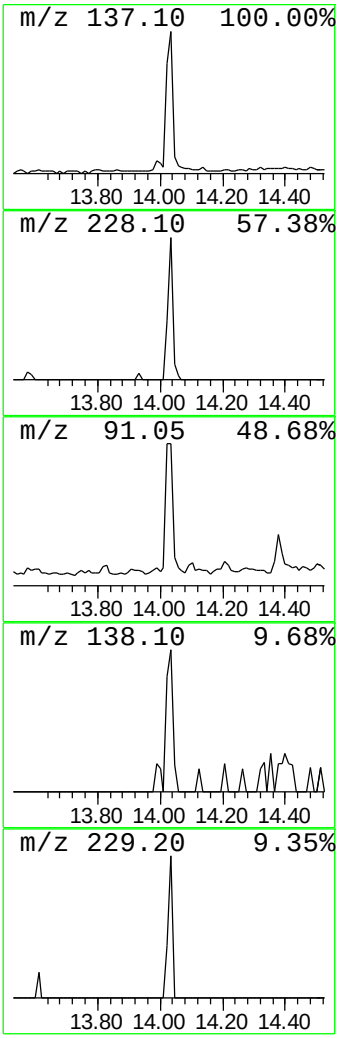
****

Peak Number 14 unknown14.03 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	4.46 ng	153375	Phenanthrene-d10	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pyridineacetic acid	137	C7H7NO2	000501-81-5	43
2	2,4-Pyridinedicarboxylic acid, d...	195	C9H9NO4	025658-36-0	37
3	6-Amino-2,4-dimethylphenol	137	C8H11NO	041458-65-5	37
4	5-Methoxycarbonylpyridine-2-carb...	181	C8H7NO4	017874-79-2	37
5	Benzoic acid, 4-[3-(2-thienyl)-1...	302	C16H14O4S	284665-17-4	37





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GAS-LINE-WASTE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

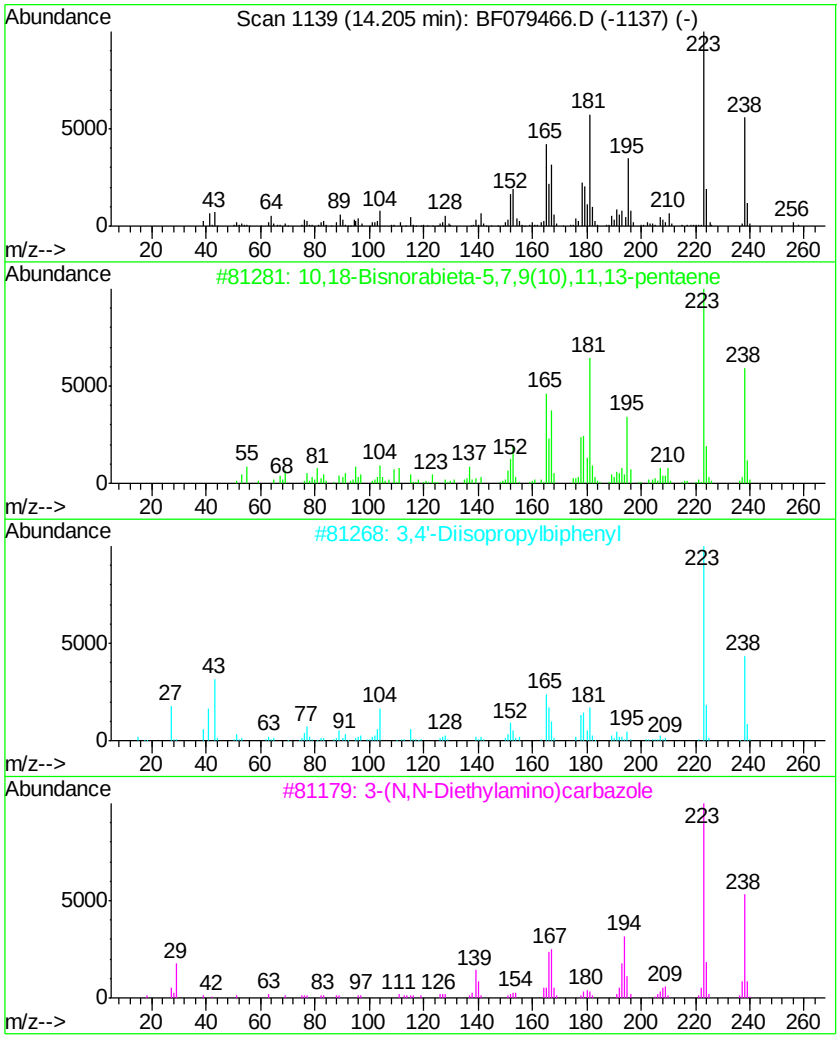
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

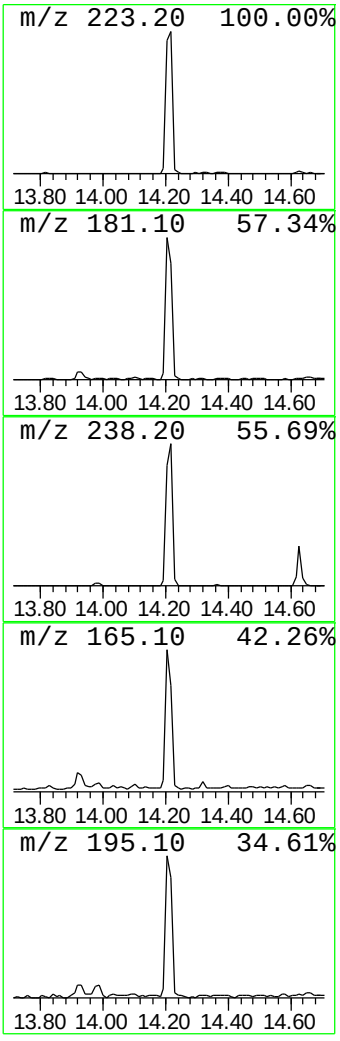
****

Peak Number 15 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	19.40 ng	667940	Phenanthrene-d10	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	62
3	3-(N,N-Diethylamino)carbazole	238	C16H18N2	054994-31-9	53
4	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	50
5	Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	45





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GAS-LINE-WASTE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

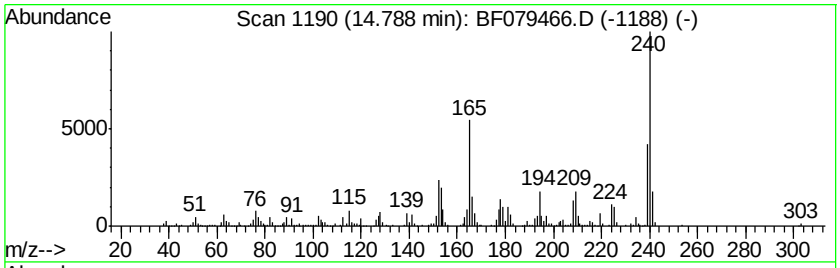
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

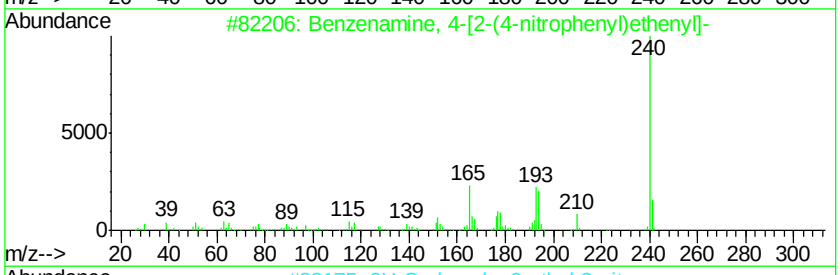
****

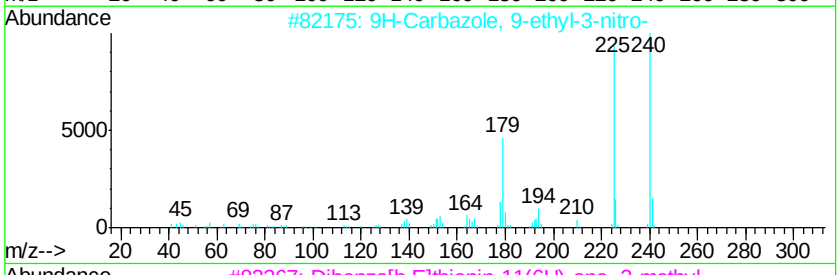
Peak Number 16 Benzenamine, 4-[2-(4-nitrop... Concentration Rank 10

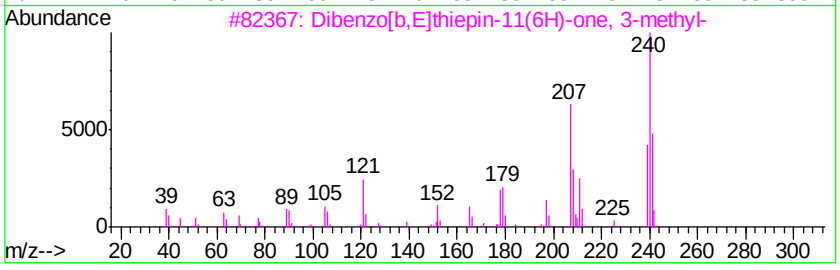
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	8.77 ng	416979	Chrysene-d12	15.92

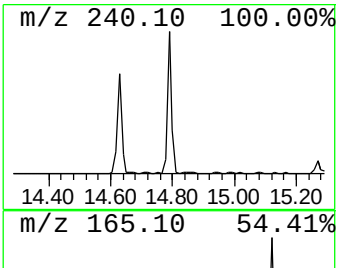
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 4-[2-(4-nitrophenyl...	240	C14H12N2O2	004629-58-7	64
2	9H-Carbazole, 9-ethyl-3-nitro-	240	C14H12N2O2	000086-20-4	46
3	Dibenzo[b,E]thiepin-11(6H)-one, ...	240	C15H12OS	084964-28-3	43
4	Benzene, 1,1'-(1,2-ethenediyl)bi...	240	C16H16O2	004705-34-4	43
5	Imidazolo[1,2-a]pyrimidine, 2-(4...	240	C12H8N4O2	028266-96-8	42

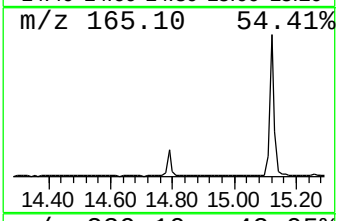


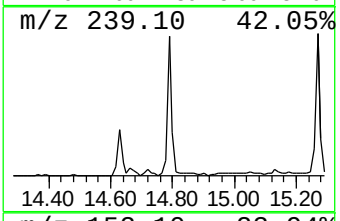


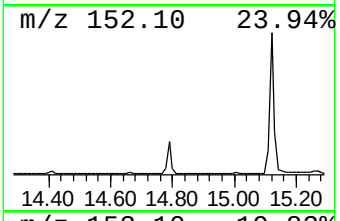


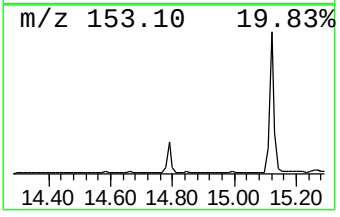












Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GAS-LINE-WASTE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

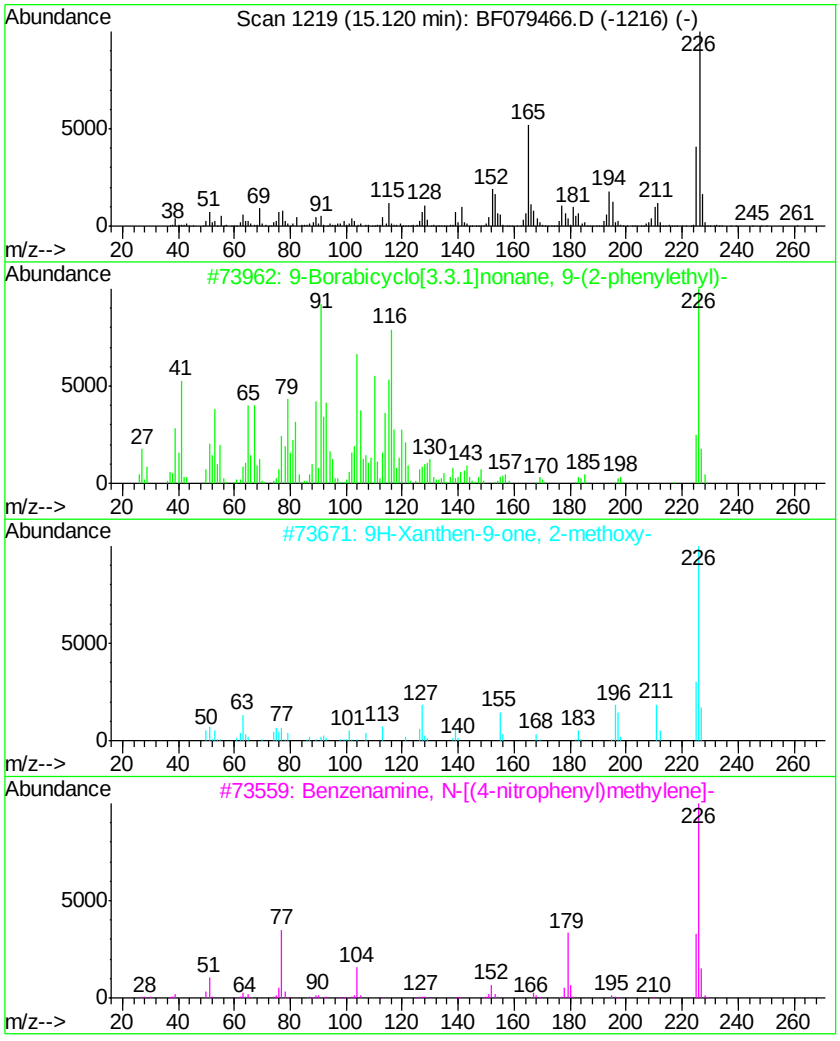
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

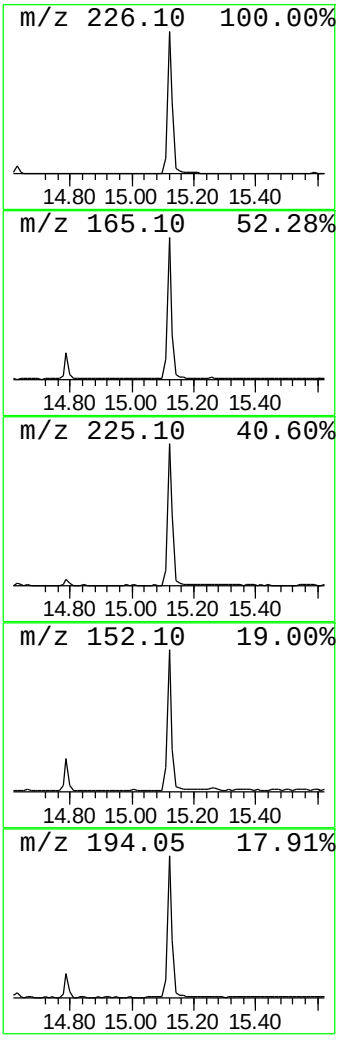
****

Peak Number 17 9-Borabicyclo[3.3.1]nonane,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	45.63 ng	2168450	Chrysene-d12	15.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Borabicyclo[3.3.1]nonane, 9-(2...	226	C16H23B	067753-90-6	93
2	9H-Xanthen-9-one, 2-methoxy-	226	C14H10O3	001214-20-6	47
3	Benzenamine, N-[(4-nitrophenyl)m...	226	C13H10N2O2	000785-80-8	46
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	43
5	1-Ethyl-4-methoxy-9H-pyrido[3,4-...	226	C14H14N2O	026585-14-8	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GAS-LINE-WASTE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

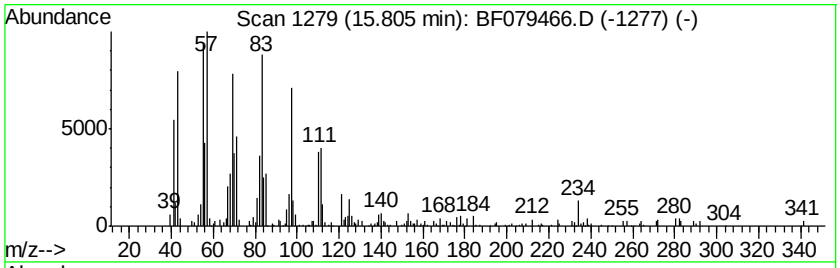
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

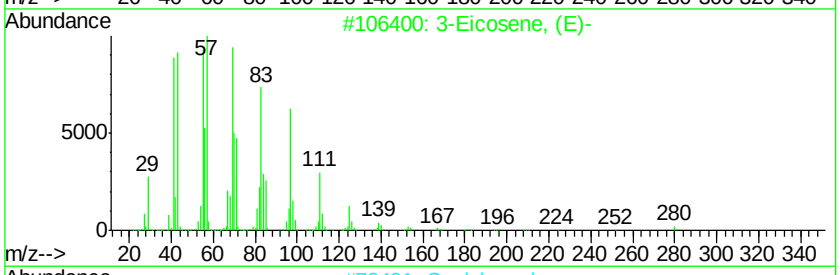
****

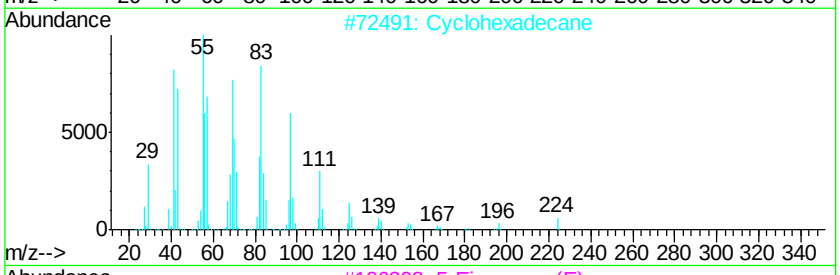
Peak Number 18 3-Eicosene, (E)- Concentration Rank 14

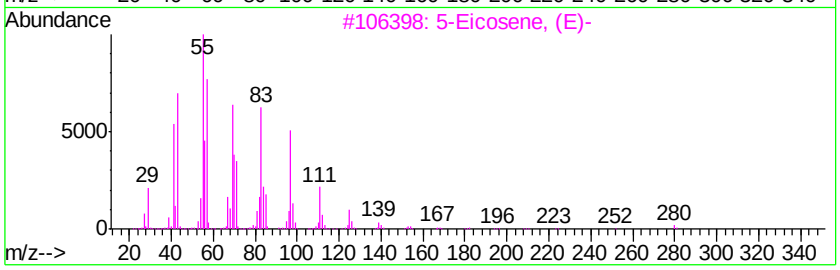
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	4.70 ng	223248	Chrysene-d12	15.92

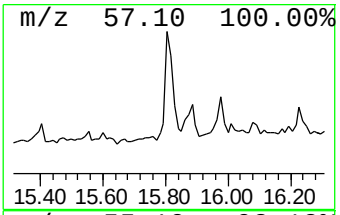
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	99
2	Cyclohexadecane	224	C16H32	000295-65-8	96
3	5-Eicosene, (E)-	280	C20H40	074685-30-6	95
4	9-Eicosene, (E)-	280	C20H40	074685-29-3	94
5	Cycloeicosane	280	C20H40	000296-56-0	89

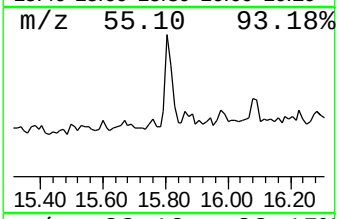


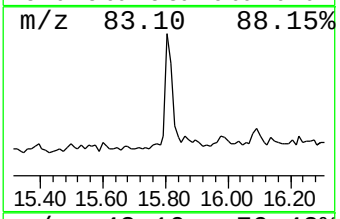


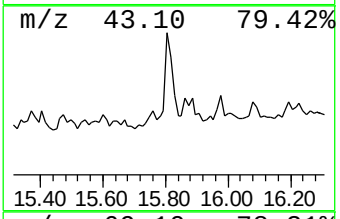


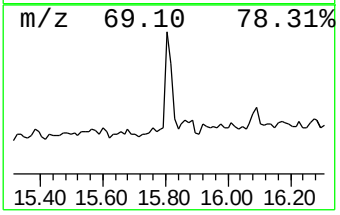












Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GAS-LINE-WASTE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

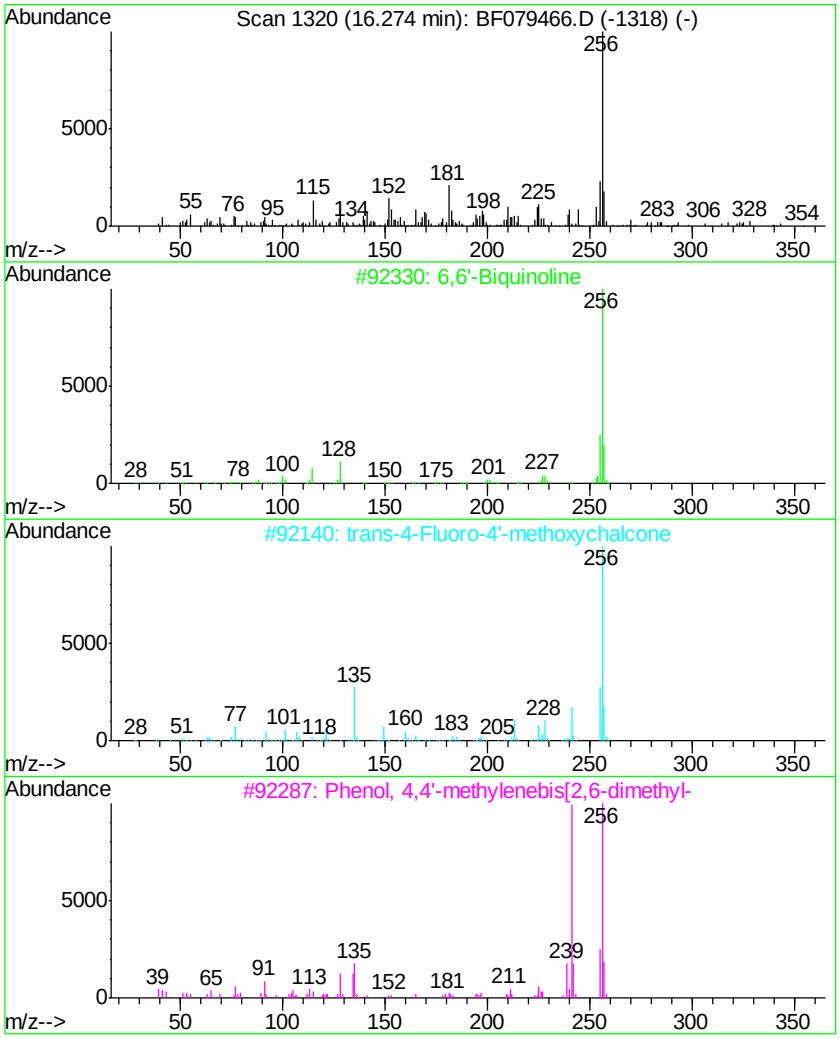
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

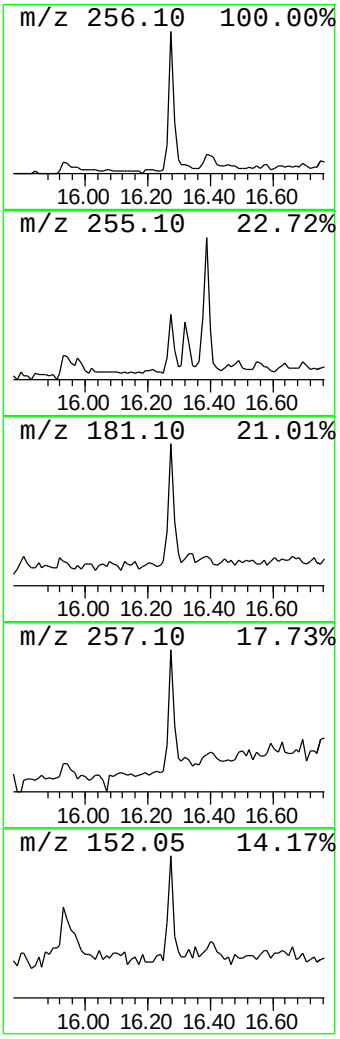
****

Peak Number 19 6,6'-Biquinoline Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	3.30 ng	156960	Chrysene-d12	15.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,6'-Biquinoline	256	C18H12N2	000612-79-3	53
2	trans-4-Fluoro-4'-methoxychalcone	256	C16H13FO2	102692-37-5	50
3	Phenol, 4,4'-methylenebis[2,6-di...	256	C17H20O2	005384-21-4	50
4	2,4-Diamino-5-methyl-6-phenylthi...	256	C13H12N4S	042160-11-2	49
5	4-t-Butyl-2-[4-nitrophenyl]phenol	271	C16H17NO3	1000214-53-0	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GAS-LINE-WASTE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

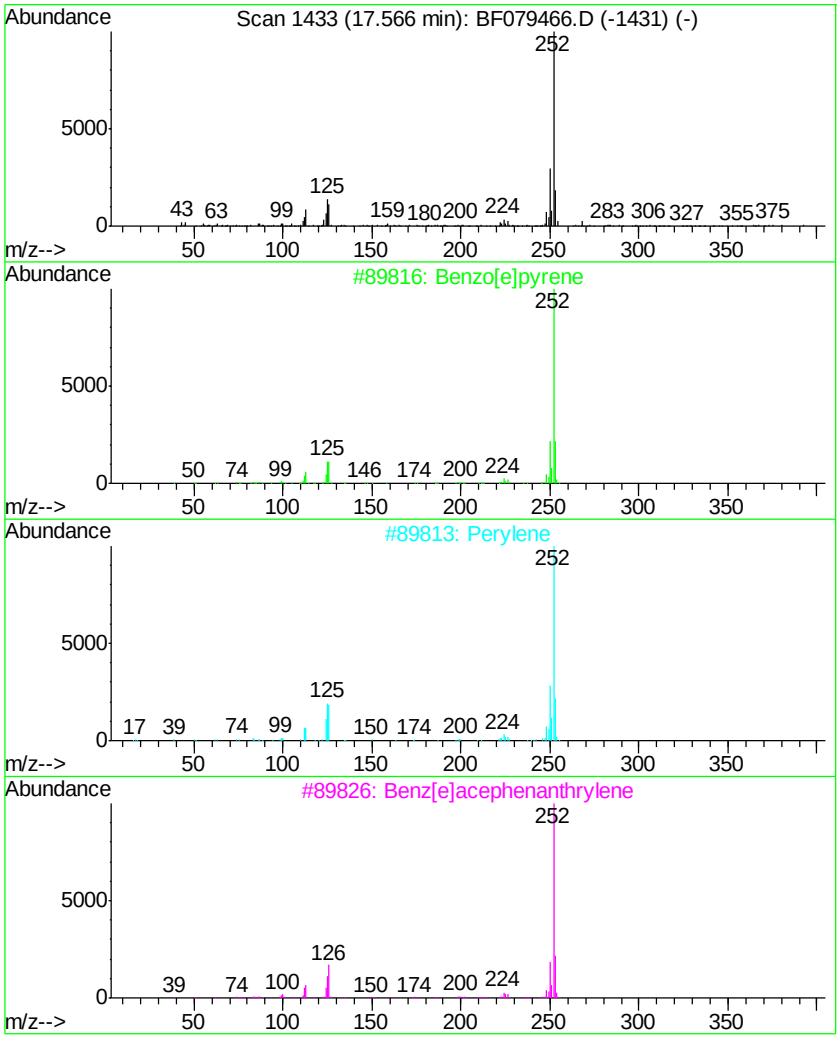
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

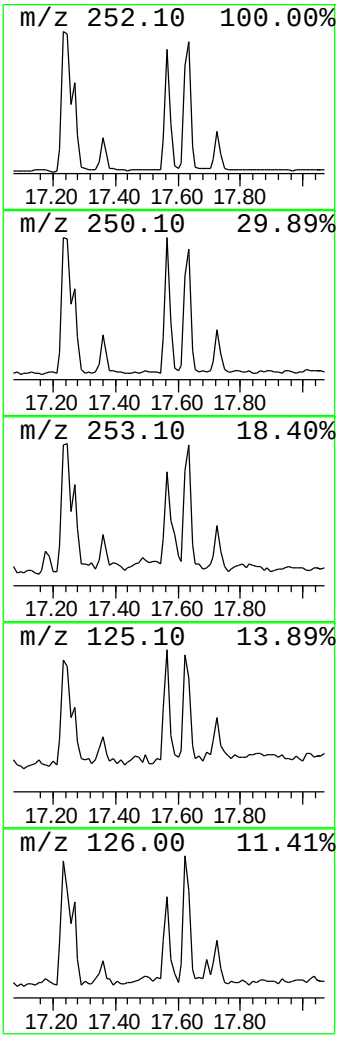
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	5.06 ng	182761	Perylene-d12	17.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052215\
Data File : BF079466.D
Acq On : 23 May 2015 9:49
Operator : TP/IZ
Sample : G2319-01 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GAS-LINE-WASTE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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...	1.47	9.7	ng	200744	1	7.05	414864	20.0
2-Pentanone, 4-hy...	4.79	3.5	ng	72043	1	7.05	414864	20.0
unknown6.78	6.78	43.7	ng	906074	1	7.05	414864	20.0
Octanoic Acid	8.38	6.7	ng	194766	2	8.63	582812	20.0
Triethylene glycol	8.87	3.2	ng	93950	2	8.63	582812	20.0
Pentaethylene glycol	12.45	4.2	ng	143729	4	12.63	688495	20.0
n-Hexadecanoic acid	13.37	12.4	ng	428587	4	12.63	688495	20.0
unknown13.42	13.42	3.4	ng	116976	4	12.63	688495	20.0
Acetaldehyde, tet...	13.91	7.2	ng	247848	4	12.63	688495	20.0
unknown14.03	14.03	4.5	ng	153375	4	12.63	688495	20.0
10,18-Bisnorabiet...	14.21	19.4	ng	667940	4	12.63	688495	20.0
Benzenamine, 4-[2...	14.79	8.8	ng	416979	5	15.92	950531	20.0
9-Borabicyclo[3.3...	15.12	45.6	ng	2168450	5	15.92	950531	20.0
3-Eicosene, (E)-	15.81	4.7	ng	223248	5	15.92	950531	20.0
6,6'-Biquinoline	16.27	3.3	ng	156960	5	15.92	950531	20.0
Benzo[e]pyrene	17.57	5.1	ng	182761	6	17.69	722230	20.0