LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
Data File : BF088619.D
Acq On : 2 Jul 2016 16:11
Operator : UM/SJ
Sample : H3871-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : L8-B2(0-12)C

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-BF063016.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	1.724	11	12	22	rVB	43830	81454	3.71%	0.314%
2	1.861	22	24	33	rVB	326379	576361	26.27%	2.219%
3	2.993	121	123	131	rBV	33105	77619	3.54%	0.299%
4	4.959	292	295	298	rBB	98865	139235	6.35%	0.536%
5	5.381	329	332	335	rBV	2015447	1971149	89.86%	7.588%
6	6.422	420	423	426	rBV	1771785	1992391	90.82%	7.670%
7	6.559	432	435	437	rBV	2409127	2193662	100.00%	8.444%
8	6.787	453	455	457	rBV	624796	656211	29.91%	2.526%
9	6.947	467	469	471	rVB	1911564	1620747	73.88%	6.239%
10	7.359	502	505	507	rBV	1398270	1538076	70.11%	5.921%
11	8.079	565	568	570	rBV	1131078	954136	43.50%	3.673%
12	9.153	660	662	665	rBV	2370068	2116324	96.47%	8.147%
13	9.553	695	697	699	rBV	292924	343484	15.66%	1.322%
14	9.770	715	716	719	rBV	29971	27106	1.24%	0.104%
15	9.828	719	721	723	rVV	1129380	961183	43.82%	3.700%
16	9.862	723	724	726	rVB	55350	39245	1.79%	0.151%
17	10.033	737	739	740	rVB	29011	23987	1.09%	0.092%
18	10.273	759	760	761	rVB	44392	30453	1.39%	0.117%
19	10.376	767	769	771	rBV	28017	33591	1.53%	0.129%
20	10.616	787	790	792	rBV2	988799	1239717	56.51%	4.772%
21	10.651	792	793	796	rVB	32714	32618	1.49%	0.126%
22	10.742	800	801	805	rVB	57814	61700	2.81%	0.238%
23	11.188	839	840	846	rVB	94840	130393	5.94%	0.502%
24	11.302	848	850	854	rVB2	830320	1207322	55.04%	4.648%
25	11.382	854	857	858	rBV	113328	133243	6.07%	0.513%
26	11.531	869	870	875	rVB4	41797	46412	2.12%	0.179%
27	11.611	875	877	881	rVB2	54483	86449	3.94%	0.333%
28	11.805	892	894	895	rBV	57898	44266	2.02%	0.170%
29	11.839	895	897	899	rVV2	68966	95927	4.37%	0.369%
30	11.874	899	900	902	rVB	23274	26408	1.20%	0.102%
31	11.919	902	904	908	rVB2	85104	131997	6.02%	0.508%
32	12.022	908	913	915	rBV2	18427	27621	1.26%	0.106%
33	12.102	918	920	925	rVB3	49099	73737	3.36%	0.284%
34	12.354	939	942	944	rBV	32627	39311	1.79%	0.151%

LSC Area Percent Report

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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : L8-B2(0-12)C

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-BF063016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.434	948	949	954	rVV	29161	30655	1.40%	0.118%
36	12.514	954	956	958	rVV	658974	600728	27.38%	2.312%
37	12.628	964	966	968	rBV2	32130	38239	1.74%	0.147%
38	12.742	973	976	978	rVV	386431	580384	26.46%	2.234%
39	12.788	978	980	984	rVB3	20808	30397	1.39%	0.117%
40	12.856	984	986	987	rBV	34281	30305	1.38%	0.117%
41	12.891	987	989	991	rVB	1639291	1514791	69.05%	5.831%
42	12.959	991	995	999	rVB3	27989	55079	2.51%	0.212%
43	13.062	1001	1004	1006	rVB	56904	93972	4.28%	0.362%
44	13.131	1009	1010	1012	rVV	49437	42972	1.96%	0.165%
45	13.165	1012	1013	1015	rVV	50190	55611	2.54%	0.214%
46	13.257	1019	1021	1023	rVV	26605	25452	1.16%	0.098%
47	13.474	1038	1040	1043	rVB3	19847	27479	1.25%	0.106%
48	13.565	1045	1048	1051	rBV	42794	57619	2.63%	0.222%
49	13.679	1056	1058	1060	rBV2	48106	78413	3.57%	0.302%
50	13.714	1060	1061	1063	rVV2	33100	51689	2.36%	0.199%
51	13.794	1065	1068	1072	rVB3	97169	165763	7.56%	0.638%
52	13.931	1077	1080	1085	rVB2	831979	1221265	55.67%	4.701%
53	14.034	1087	1089	1091	rBV	37572	37806	1.72%	0.146%
54	14.114	1095	1096	1098	rBV	33155	36800	1.68%	0.142%
55	14.319	1109	1114	1115	rBV	42461	84615	3.86%	0.326%
56	14.434	1120	1124	1125	rBV3	32999	78518	3.58%	0.302%
57	14.571	1134	1136	1138	rVB2	115209	121275	5.53%	0.467%
58	14.617	1138	1140	1145	rBV4	27270	70421	3.21%	0.271%
59	14.720	1147	1149	1152	rVV3	42307	60651	2.76%	0.233%
60	14.788	1154	1155	1157	rVB	36499	39746	1.81%	0.153%
61	14.937	1165	1168	1173	rBV	223937	481421	21.95%	1.853%
62	15.028	1175	1176	1178	rVV	53802	64602	2.94%	0.249%
63	15.211	1190	1192	1195	rVB	140751	159477	7.27%	0.614%
64	15.268	1195	1197	1200	rBV	193989	214657	9.79%	0.826%
65	15.325	1200	1202	1204	rBV	452972	640781	29.21%	2.467%
66	15.988	1258	1260	1266	rVB5	30971	71088	3.24%	0.274%
67	16.388	1293	1295	1301	rVB4	30060	68515	3.12%	0.264%
68	16.663	1316	1319	1324	rVB2	77531	158963	7.25%	0.612%
69	17.063	1351	1354	1362	rVB	60993	133824	6.10%	0.515%

Sum of corrected areas: 25977508

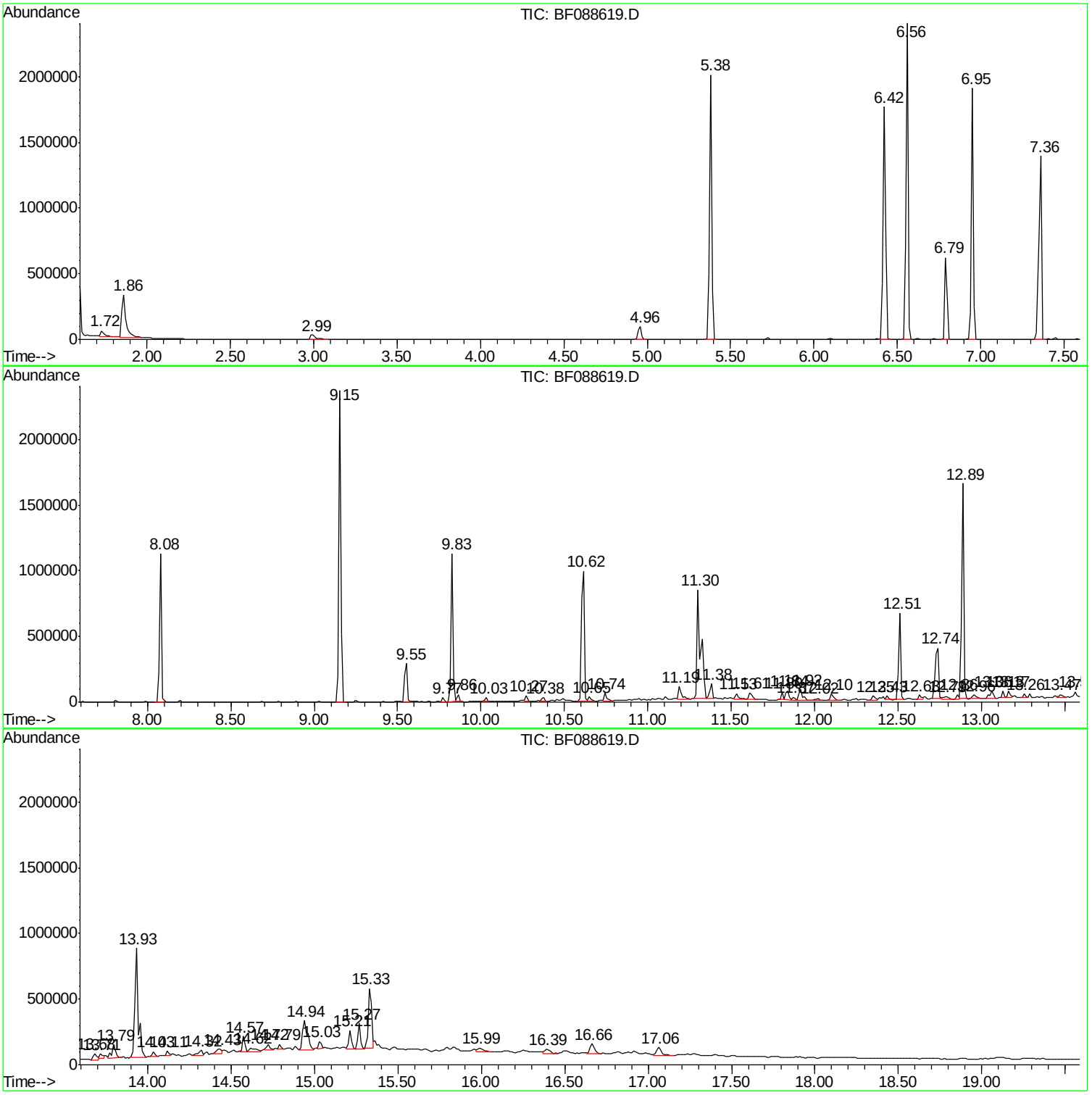
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
Data File : BF088619.D
Acq On : 2 Jul 2016 16:11
Operator : UM/SJ
Sample : H3871-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : L8-B2(0-12)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
Data File : BF088619.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

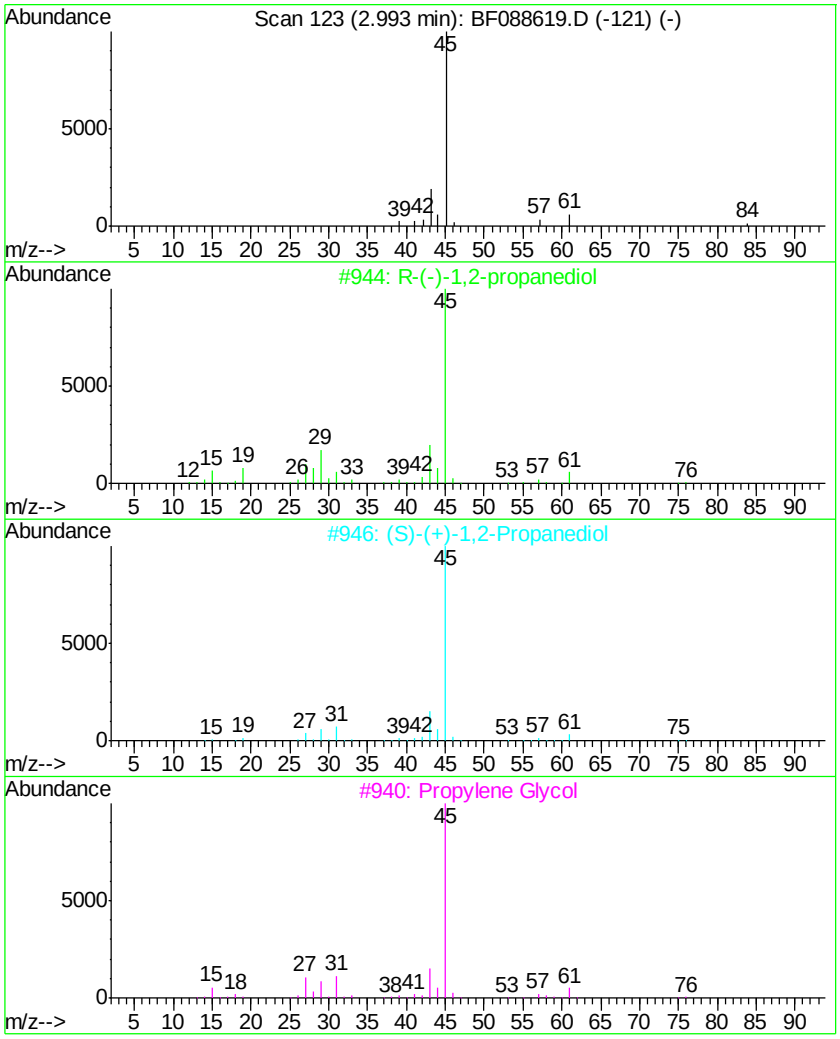
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

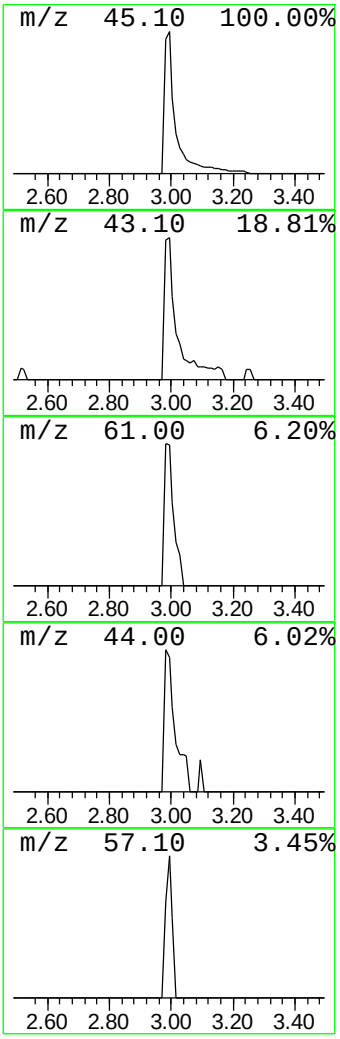
****

Peak Number 3 R-(-)-1,2-propanediol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	2.37 ng	77619	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	64
2	(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	64
3	Propylene Glycol	76	C3H8O2	000057-55-6	9
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
5	Butanenitrile, 2-(methoxymethoxy)	129	C6H11NO2	1000196-86-5	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
Data File : BF088619.D
Acq On : 2 Jul 2016 16:11
Operator : UM/SJ
Sample : H3871-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : L8-B2(0-12)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

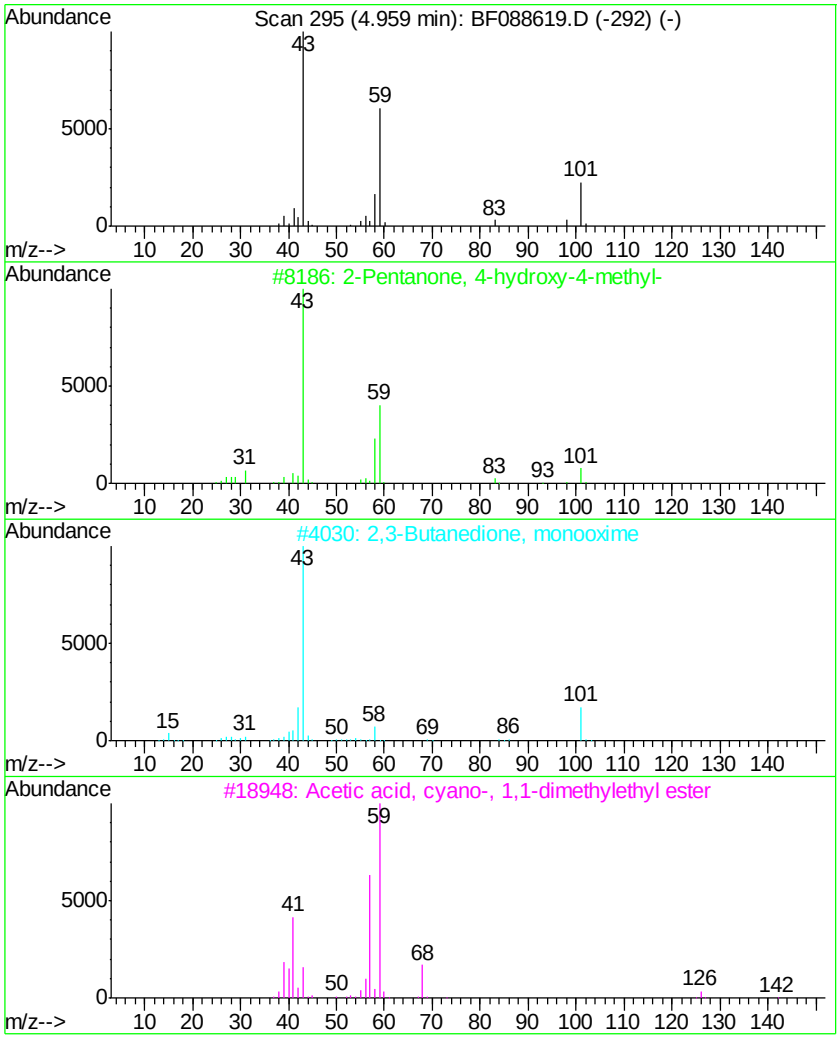
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

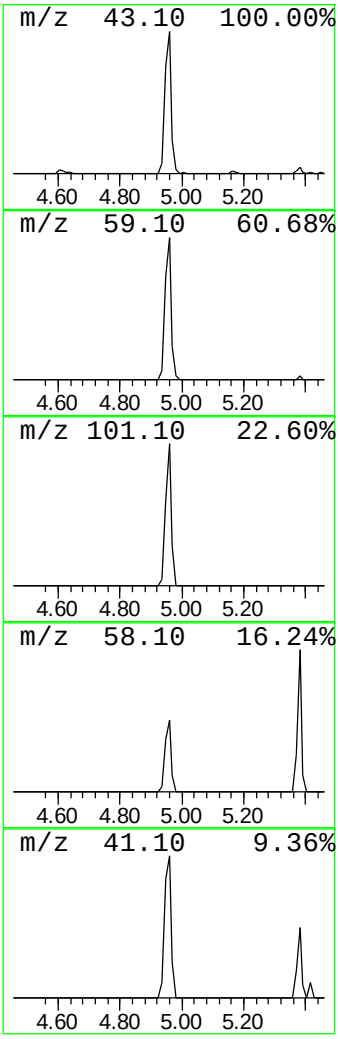
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	4.24 ng	139235	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





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Sample : H3871-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : L8-B2(0-12)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

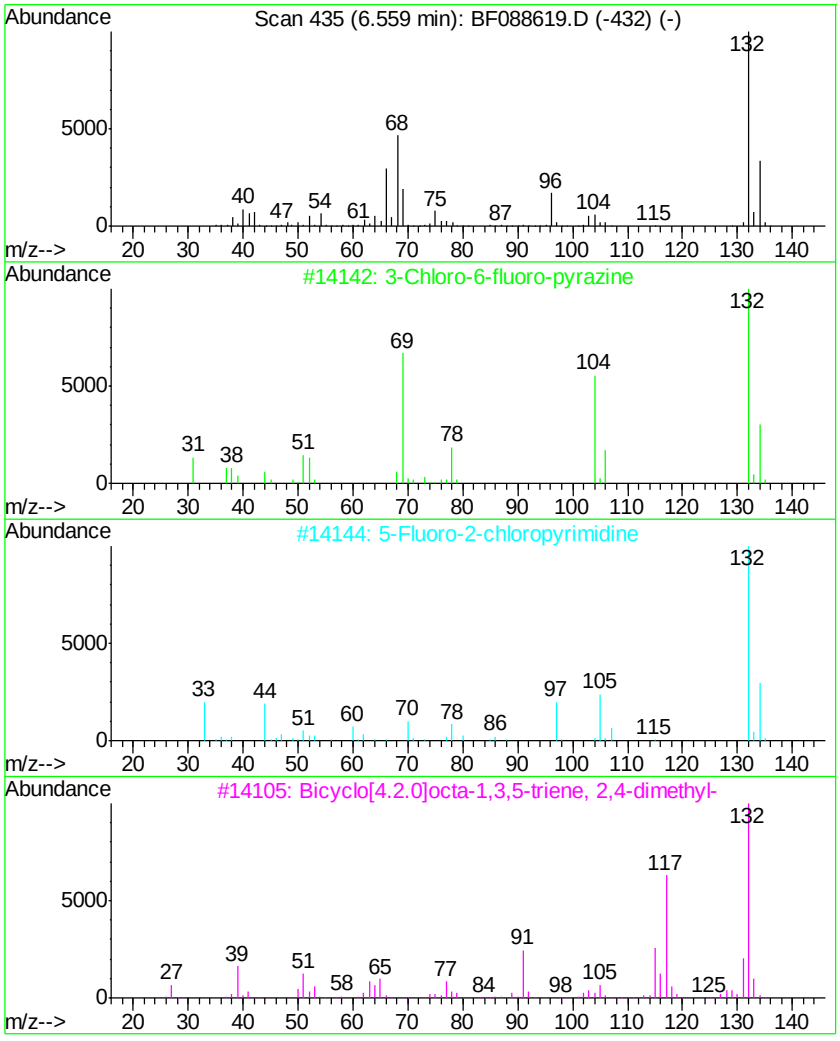
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

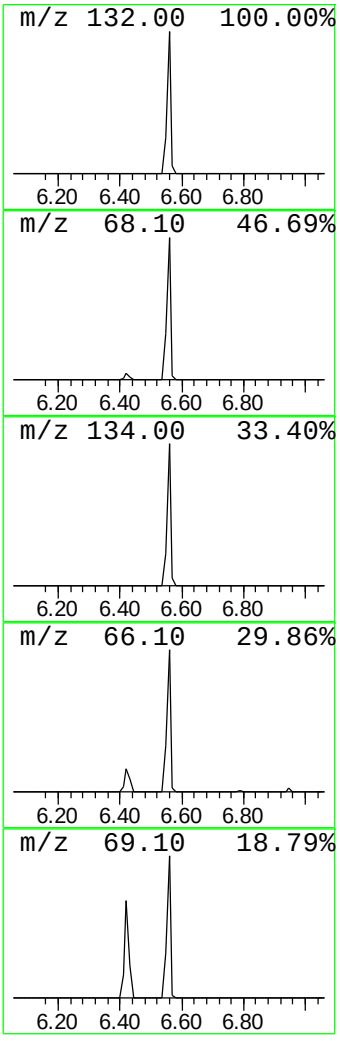
****

Peak Number 5 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	66.86 ng	2193660	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
Data File : BF088619.D
Acq On : 2 Jul 2016 16:11
Operator : UM/SJ
Sample : H3871-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : L8-B2(0-12)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

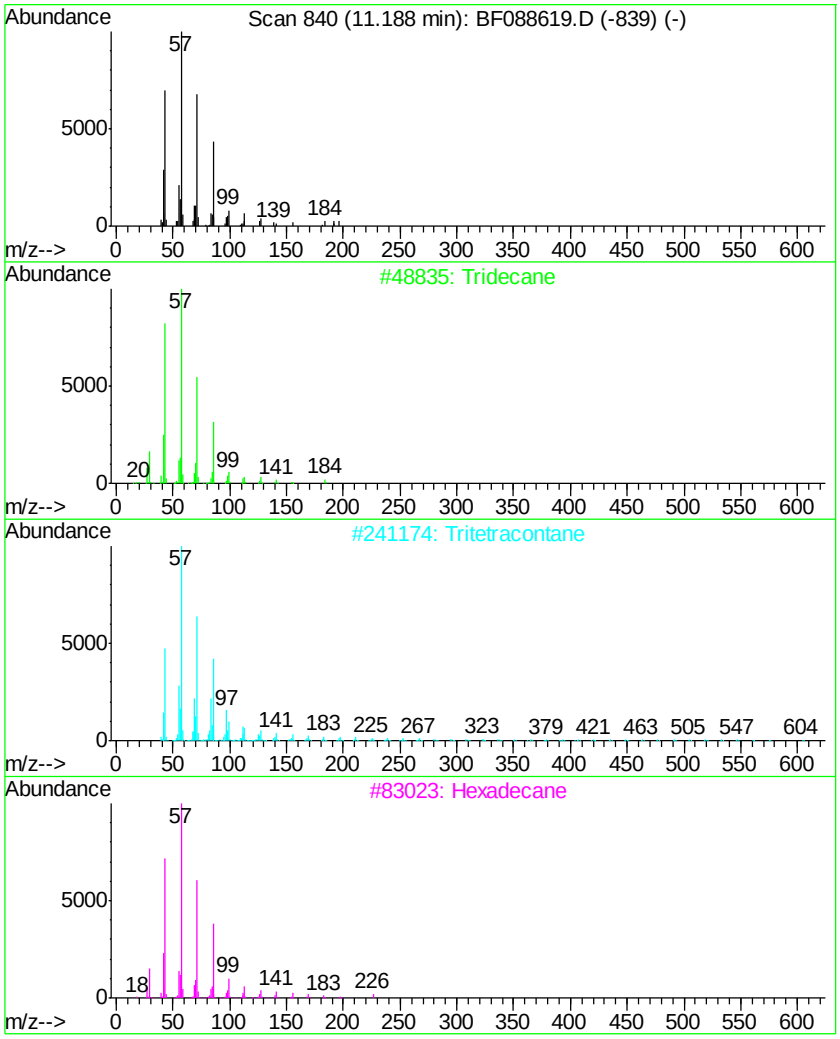
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

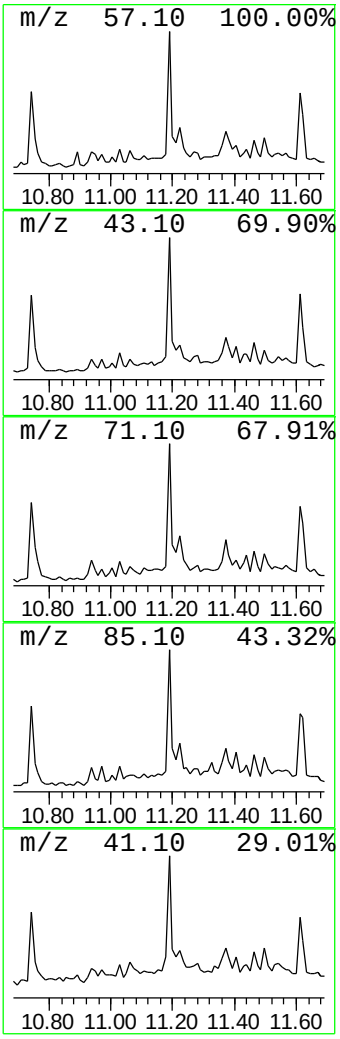
****

Peak Number 7 Tridecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	2.16 ng	130393	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Tritetracontane	605	C43H88	007098-21-7	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Pentadecane	212	C15H32	000629-62-9	90
5	Eicosane	282	C20H42	000112-95-8	86





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
Data File : BF088619.D
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Operator : UM/SJ
Sample : H3871-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : L8-B2(0-12)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

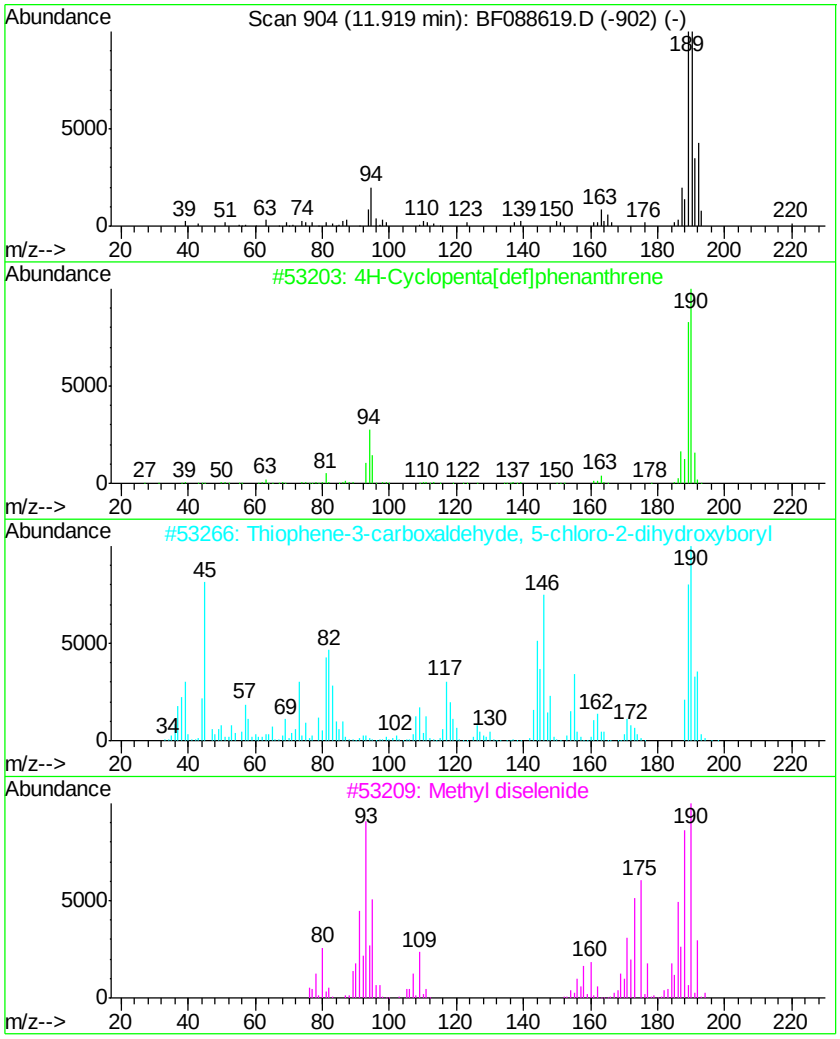
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

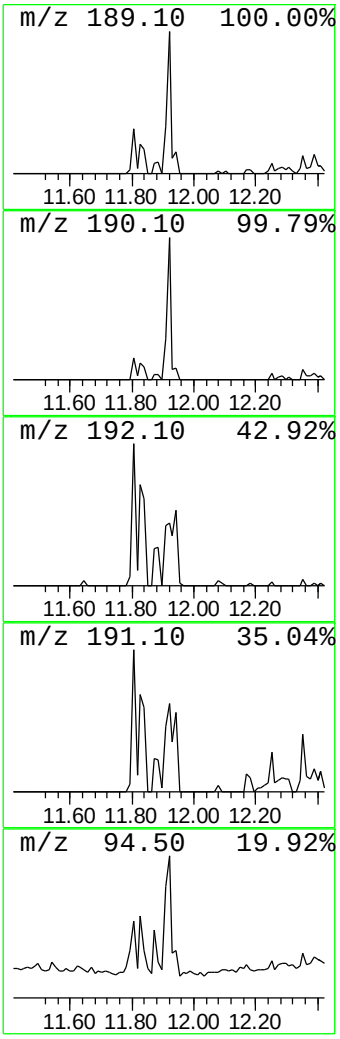
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	2.19 ng	131997	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	47
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45





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Sample : H3871-07
Misc :
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Instrument : BNA_F
ClientSampleId : L8-B2(0-12)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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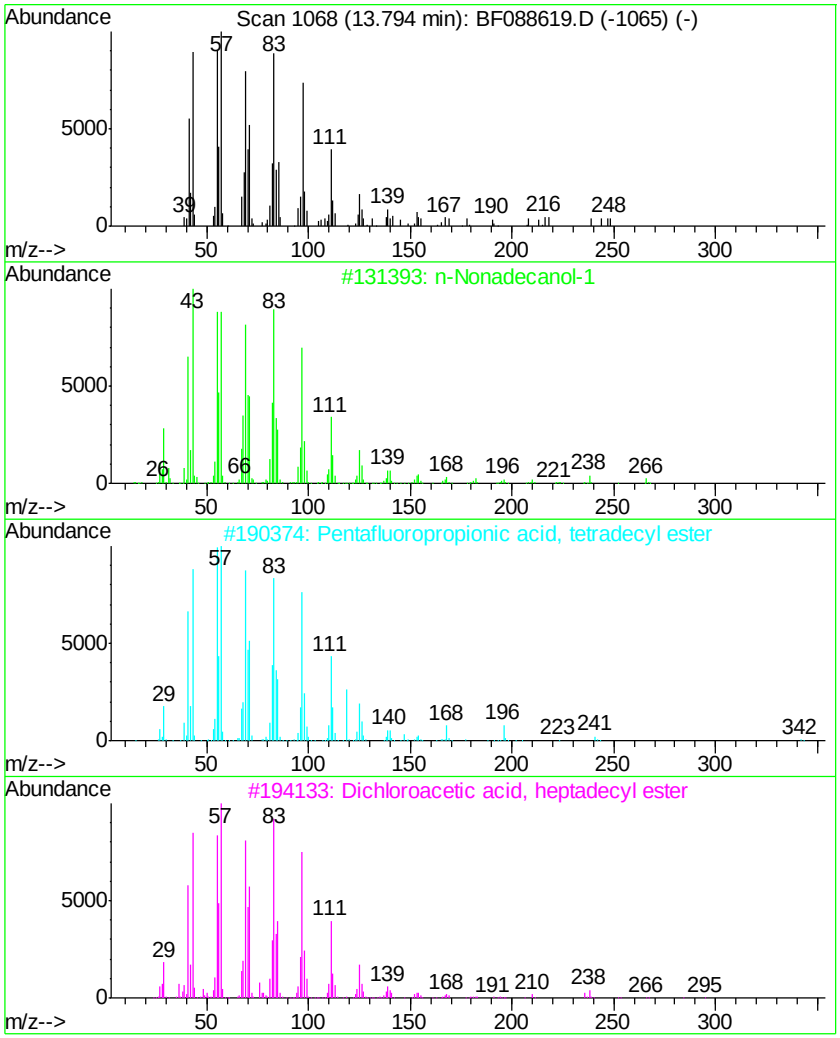
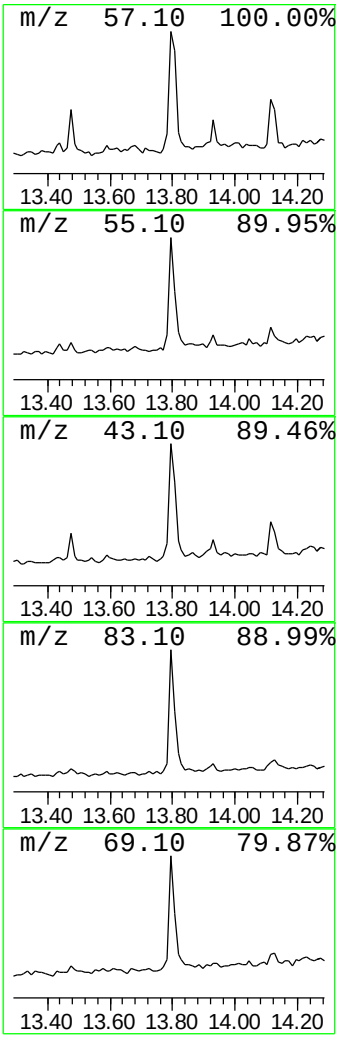
Peak Number 9 n-Nonadecanol-1 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	2.71 ng	165763	Chrysene-d12	13.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Nonadecanol-1	284	C19H40O	001454-84-8	95
2	Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	95
3	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	95
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
5	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	94





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
Data File : BF088619.D
Acq On : 2 Jul 2016 16:11
Operator : UM/SJ
Sample : H3871-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : L8-B2(0-12)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

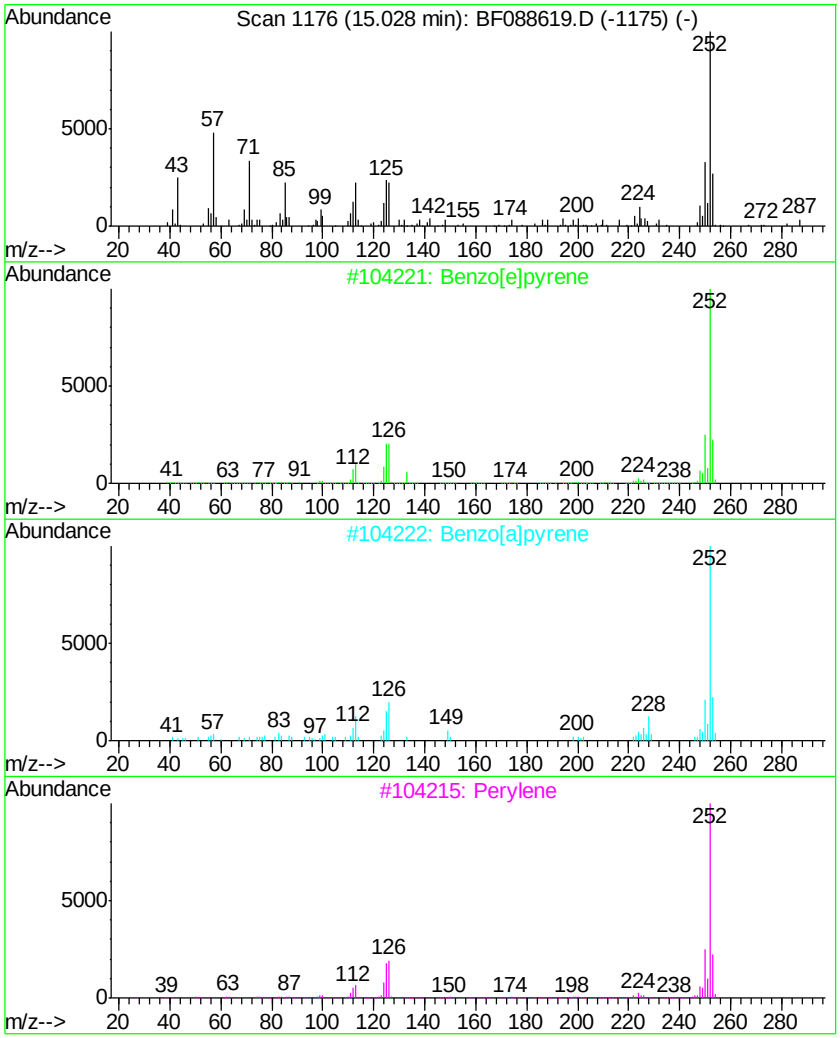
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

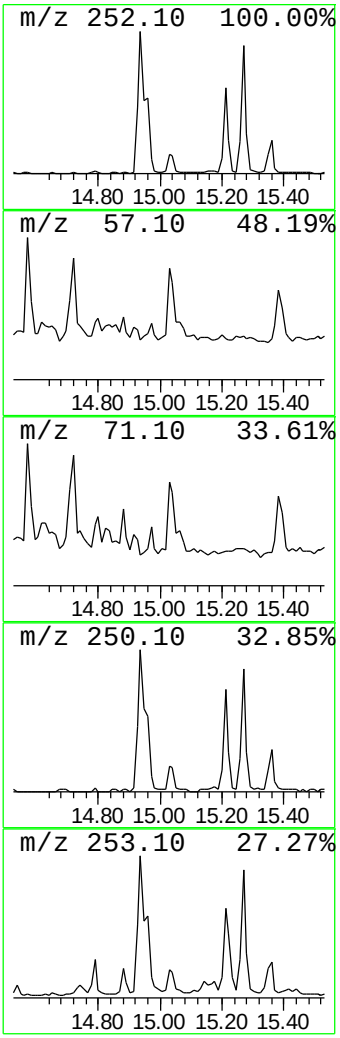
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	2.02 ng	64602	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	86
2	Benzo[a]pyrene	252	C20H12	000050-32-8	86
3	Perylene	252	C20H12	000198-55-0	86
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	83
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	64





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Data File : BF088619.D
Acq On : 2 Jul 2016 16:11
Operator : UM/SJ
Sample : H3871-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : L8-B2(0-12)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

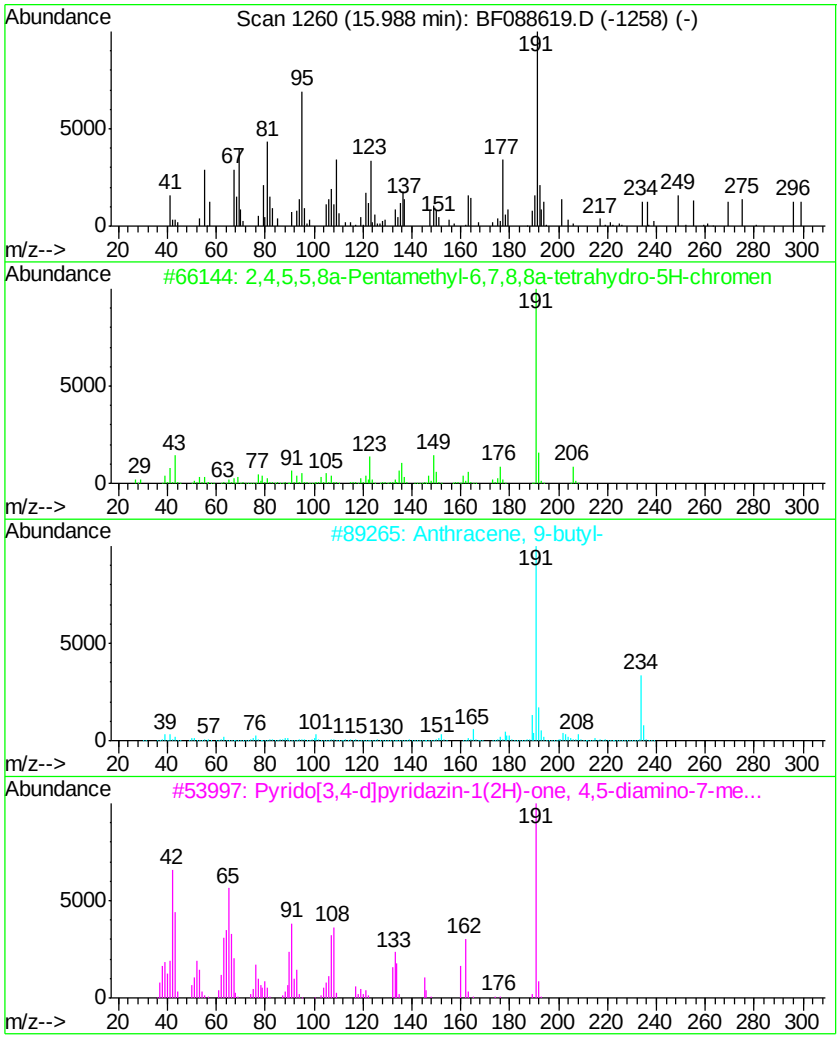
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

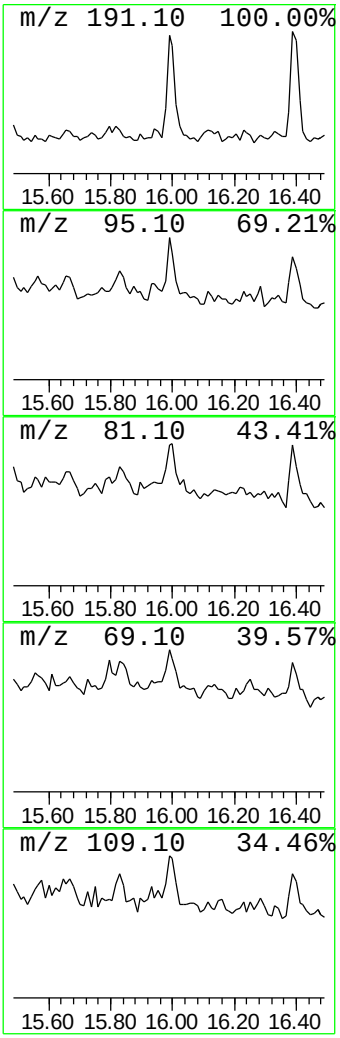
****

Peak Number 12 unknown15.99 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	2.22 ng	71088	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	43
2	Anthracene, 9-butyl-	234	C18H18	001498-69-7	38
3	Pyrido[3,4-d]pyridazin-1(2H)-one...	191	C8H9N5O	1000263-69-7	38
4	Anthracene, 1-butyl-	234	C18H18	1000156-51-7	38
5	1-(9-Phenanthrenyl)-2-propanone	234	C17H14O	1000326-08-9	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
Data File : BF088619.D
Acq On : 2 Jul 2016 16:11
Operator : UM/SJ
Sample : H3871-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : L8-B2(0-12)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

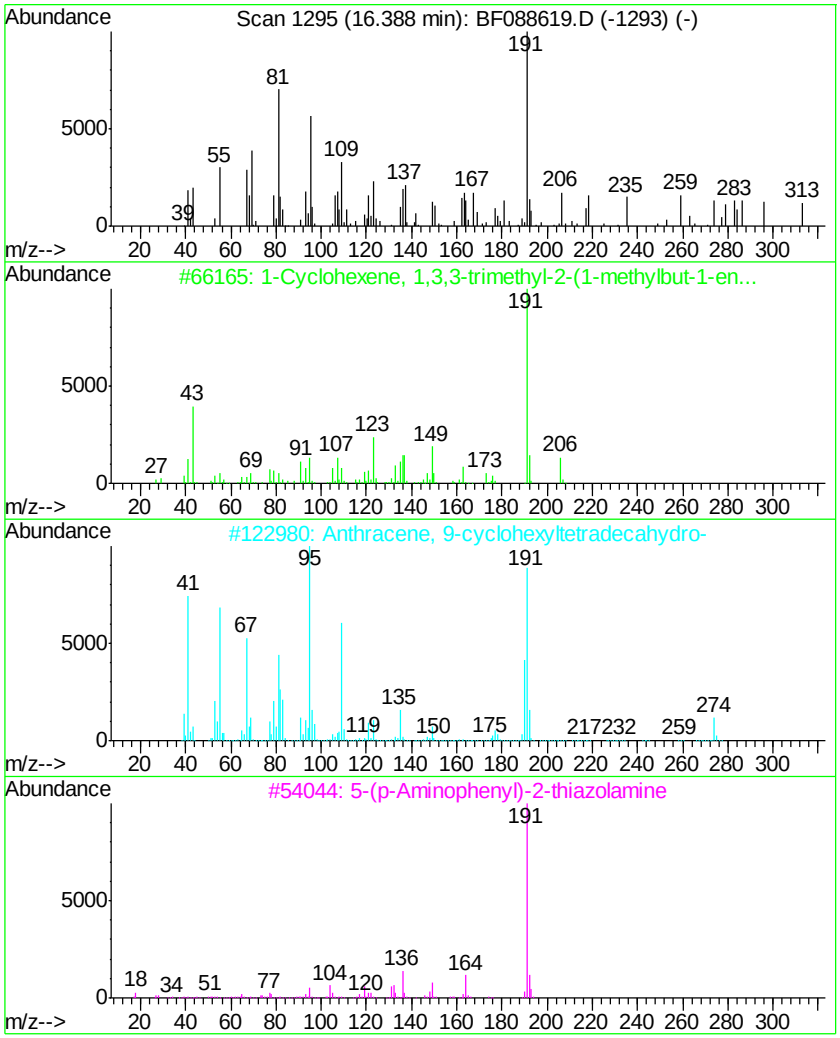
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

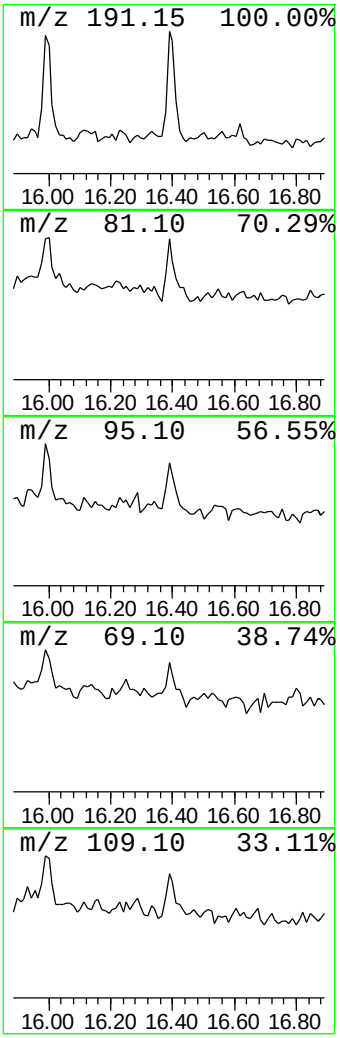
****

Peak Number 13 1-Cyclohexene, 1,3,3-trimet... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	2.14 ng	68515	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	55
2	Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	41
3	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	38
4	4-Fluoro-3-trifluoromethylbenzoi...	418	C23H34F4O2	1000338-69-2	35
5	Phenol, 3,5-bis(1,1-dimethylethyl)-	206	C14H22O	001138-52-9	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
Data File : BF088619.D
Acq On : 2 Jul 2016 16:11
Operator : UM/SJ
Sample : H3871-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : L8-B2(0-12)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
R-(-)-1,2-propane...	2.99	2.4	ng	77619	1	6.79	656211	20.0
2-Pentanone, 4-hy...	4.96	4.2	ng	139235	1	6.79	656211	20.0
unknown6.56	6.56	66.9	ng	2193660	1	6.79	656211	20.0
Tridecane	11.19	2.2	ng	130393	4	11.30	1207320	20.0
4H-Cyclopenta[def...	11.92	2.2	ng	131997	4	11.30	1207320	20.0
n-Nonadecanol-1	13.79	2.7	ng	165763	5	13.93	1221270	20.0
Benzo[e]pyrene	15.03	2.0	ng	64602	6	15.33	640781	20.0
unknown15.99	15.99	2.2	ng	71088	6	15.33	640781	20.0
1-Cyclohexene, 1,...	16.39	2.1	ng	68515	6	15.33	640781	20.0