LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081505.D
Acq On : 6 Sep 2015 12:44
Operator : UM/IZ
Sample : G3555-11
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

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-BF090115.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	2.513	79	81	87	rVB	7783	14929	1.10%	0.085%
2	4.399	243	246	255	rBV	435502	739957	54.67%	4.231%
3	4.901	288	290	301	rVB	1194315	1223379	90.38%	6.995%
4	6.022	386	388	391	rBV	1092448	1161432	85.81%	6.641%
5	6.124	395	397	399	rBV	1466744	1328767	98.17%	7.598%
6	6.353	415	417	420	rVB	398989	339821	25.11%	1.943%
7	6.513	429	431	433	rBV	1114662	996730	73.64%	5.699%
8	6.936	465	468	470	rBV	879449	895612	66.17%	5.121%
9	7.645	528	530	532	rBV	529609	461184	34.07%	2.637%
10	8.730	622	625	627	rBV	1520053	1353534	100.00%	7.740%
11	9.050	652	653	655	rBV	15395	17708	1.31%	0.101%
12	9.130	658	660	662	rBV	240998	198324	14.65%	1.134%
13	9.245	668	670	673	rBB	22085	18438	1.36%	0.105%
14	9.382	680	682	684	rVV	441104	413473	30.55%	2.364%
15	9.416	684	685	687	rVB	53602	39003	2.88%	0.223%
16	9.588	698	700	703	rBV	37335	36765	2.72%	0.210%
17	9.851	721	723	725	rVB	24370	19930	1.47%	0.114%
18	9.931	728	730	731	rBV	30077	31924	2.36%	0.183%
19	10.091	738	744	746	rBV2	14598	26661	1.97%	0.152%
20	10.171	748	751	753	rBV	752489	764766	56.50%	4.373%
21	10.319	763	764	767	rVB	32251	33480	2.47%	0.191%
22	10.468	774	777	779	rBV4	10772	16285	1.20%	0.093%
23	10.662	793	794	797	rVB	43117	37078	2.74%	0.212%
24	10.708	797	798	800	rBV	11893	16548	1.22%	0.095%
25	10.765	800	803	804	rVV2	30548	51003	3.77%	0.292%
26	10.879	808	813	814	rBV2	491337	1002066	74.03%	5.730%
27	10.925	814	817	819	rVB	127700	113046	8.35%	0.646%
28	11.085	830	831	833	rBV2	34479	37457	2.77%	0.214%
29	11.188	838	840	842	rVB	28152	27174	2.01%	0.155%
30	11.348	852	854	855	rBV	86063	72624	5.37%	0.415%
31	11.371	855	856	859	rVB	66691	88416	6.53%	0.506%
32	11.428	859	861	862	rBV	129941	132703	9.80%	0.759%
33	11.451	862	863	868	rVB2	107355	159915	11.81%	0.914%
34	11.645	879	880	881	rBV	56413	44869	3.31%	0.257%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081505.D
Acq On : 6 Sep 2015 12:44
Operator : UM/IZ
Sample : G3555-11
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

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-BF090115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.794	890	893	894	rBV2	14819	18143	1.34%	0.104%
36	11.828	894	896	899	rVB3	9739	21544	1.59%	0.123%
37	11.896	899	902	903	rBV	43322	48058	3.55%	0.275%
38	11.976	907	909	913	rVB	48991	53217	3.93%	0.304%
39	12.045	913	915	918	rBV	622131	589207	43.53%	3.369%
40	12.114	918	921	925	rVB4	14494	25774	1.90%	0.147%
41	12.194	925	928	932	rBV	39591	60597	4.48%	0.346%
42	12.274	932	935	937	rVV	505836	636806	47.05%	3.641%
43	12.331	937	940	944	rVV3	61025	92089	6.80%	0.527%
44	12.399	944	946	947	rVV	15427	22730	1.68%	0.130%
45	12.434	947	949	951	rVB	1003621	885186	65.40%	5.062%
46	12.491	951	954	956	rVB2	29672	41845	3.09%	0.239%
47	12.594	959	963	965	rVB2	35538	78931	5.83%	0.451%
48	12.662	965	969	971	rBV	16800	33030	2.44%	0.189%
49	12.697	971	972	976	rVV	59173	65530	4.84%	0.375%
50	12.788	978	980	981	rVV	31592	28300	2.09%	0.162%
51	12.822	981	983	984	rVV	27968	27825	2.06%	0.159%
52	12.902	988	990	995	rVB4	6505	14727	1.09%	0.084%
53	13.028	995	1001	1004	rVB4	8525	31373	2.32%	0.179%
54	13.097	1005	1007	1010	rVB	37253	46466	3.43%	0.266%
55	13.211	1014	1017	1018	rBV	34908	44536	3.29%	0.255%
56	13.234	1018	1019	1024	rVB2	34735	58930	4.35%	0.337%
57	13.314	1024	1026	1027	rVB	27801	35879	2.65%	0.205%
58	13.359	1027	1030	1035	rBV2	77363	133074	9.83%	0.761%
59	13.451	1035	1038	1042	rBV3	341765	724616	53.54%	4.143%
60	13.554	1044	1047	1050	rBV2	19553	26600	1.97%	0.152%
61	13.691	1057	1059	1060	rVB2	17231	16263	1.20%	0.093%
62	13.840	1070	1072	1074	rVB	35284	39342	2.91%	0.225%
63	13.874	1074	1075	1077	rVB	18337	17367	1.28%	0.099%
64	13.965	1081	1083	1089	rBV5	13127	39668	2.93%	0.227%
65	14.148	1096	1099	1100	rBV3	10982	17585	1.30%	0.101%
66	14.251	1106	1108	1110	rBV	98618	143680	10.62%	0.822%
67	14.331	1114	1115	1117	rVB	34124	28094	2.08%	0.161%
68	14.445	1122	1125	1129	rBV	171662	340454	25.15%	1.947%
69	14.525	1129	1132	1133	rBV2	33101	33244	2.46%	0.190%
70	14.617	1137	1140	1143	rVV3	21052	53738	3.97%	0.307%
71	14.674	1143	1145	1147	rVB	113138	117605	8.69%	0.672%

LSC Area Percent Report

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Acq On : 6 Sep 2015 12:44
Operator : UM/IZ
Sample : G3555-11
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

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-BF090115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.720	1147	1149	1151	rVB	161531	156106	11.53%	0.893%
73	14.765	1151	1153	1158	rBV2	249270	311679	23.03%	1.782%
74	15.154	1185	1187	1188	rBV	12023	14857	1.10%	0.085%
75	15.531	1217	1220	1222	rBV3	13926	35065	2.59%	0.201%
76	15.725	1232	1237	1241	rBV4	16348	59299	4.38%	0.339%
77	15.840	1244	1247	1251	rVB2	62995	108990	8.05%	0.623%
78	15.965	1256	1258	1260	rVV	13258	18137	1.34%	0.104%
79	16.011	1260	1262	1264	rVB2	10841	14914	1.10%	0.085%
80	16.148	1271	1274	1282	rVB	48471	98873	7.30%	0.565%
81	16.320	1287	1289	1296	rVB2	14033	46622	3.44%	0.267%
82	17.886	1424	1426	1429	rBV3	7034	16765	1.24%	0.096%

Sum of corrected areas: 17488361

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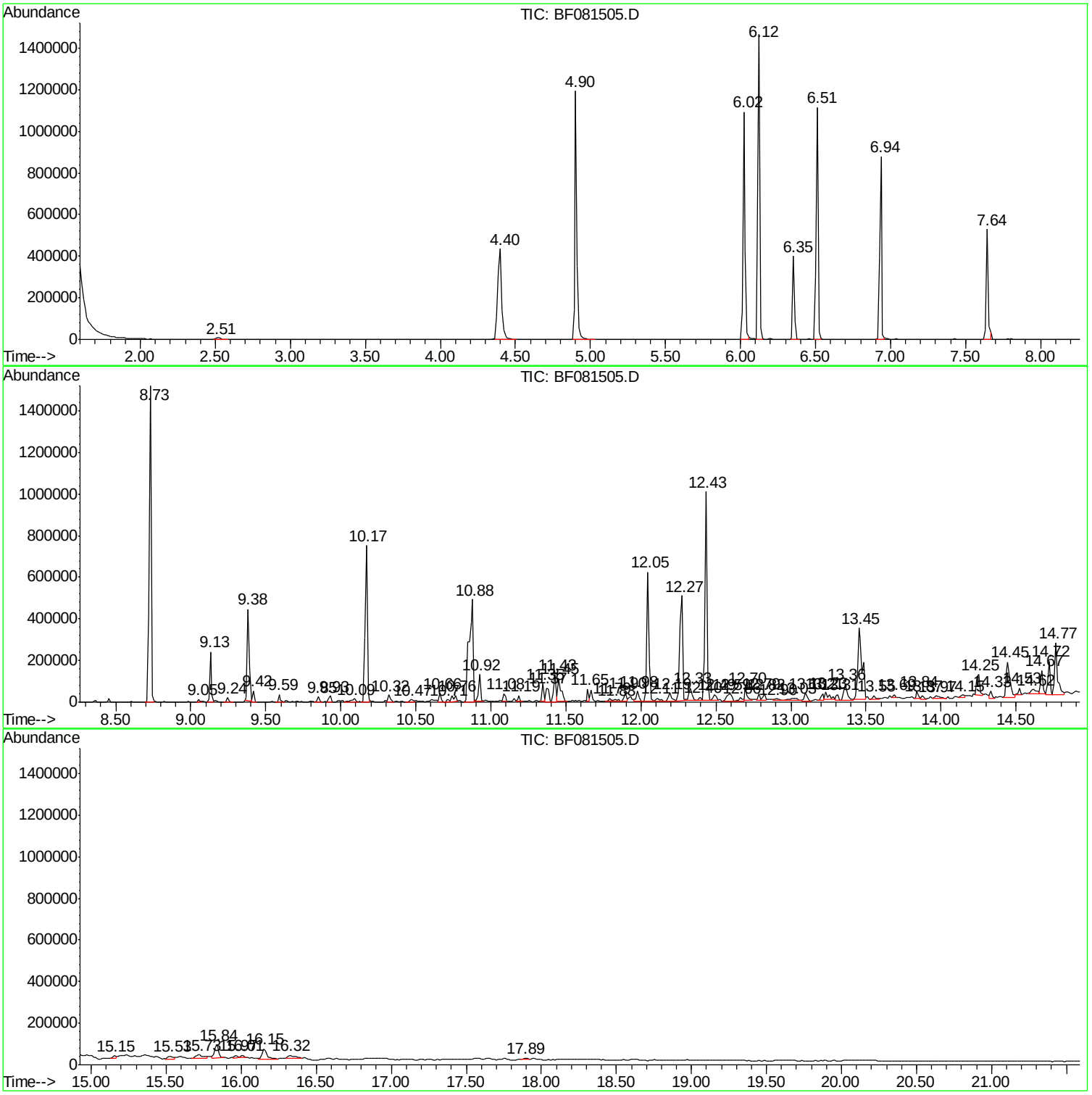
Acq On : 6 Sep 2015 12:44
Operator : UM/IZ
Sample : G3555-11
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081505.D
Acq On : 6 Sep 2015 12:44
Operator : UM/IZ
Sample : G3555-11
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

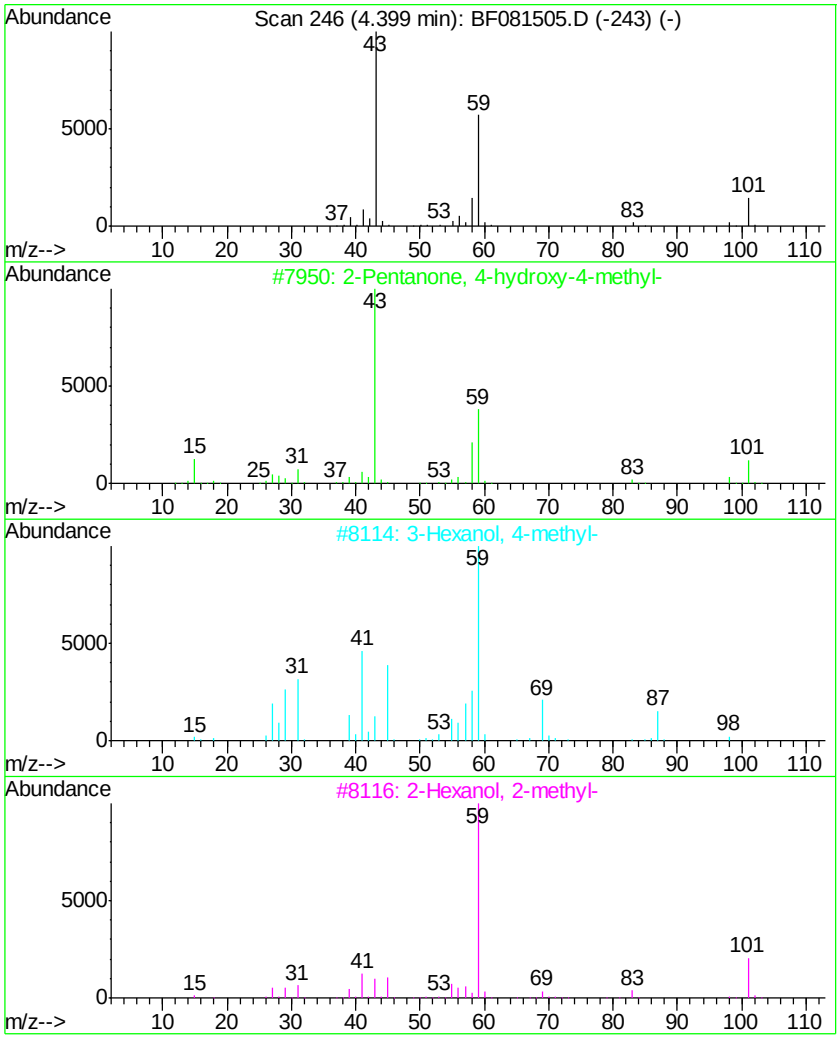
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

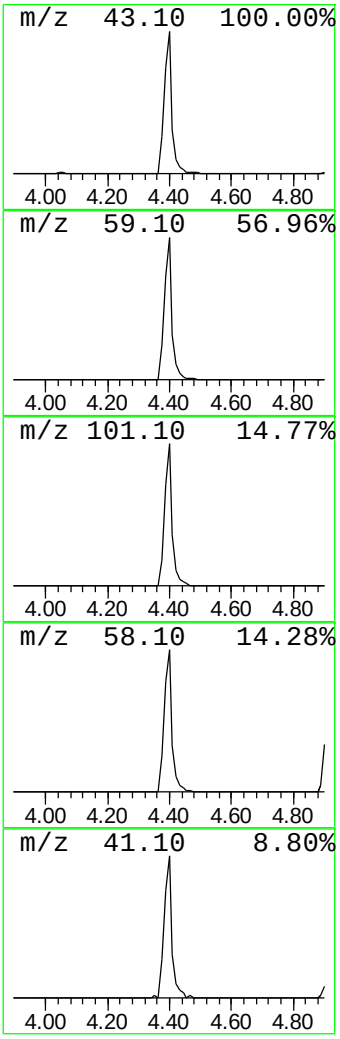
****

Peak Number 1 unknown4.40 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	43.55 ng	739957	1,4-Dichlorobenzene-d4	6.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	39
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	17





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081505.D
Acq On : 6 Sep 2015 12:44
Operator : UM/IZ
Sample : G3555-11
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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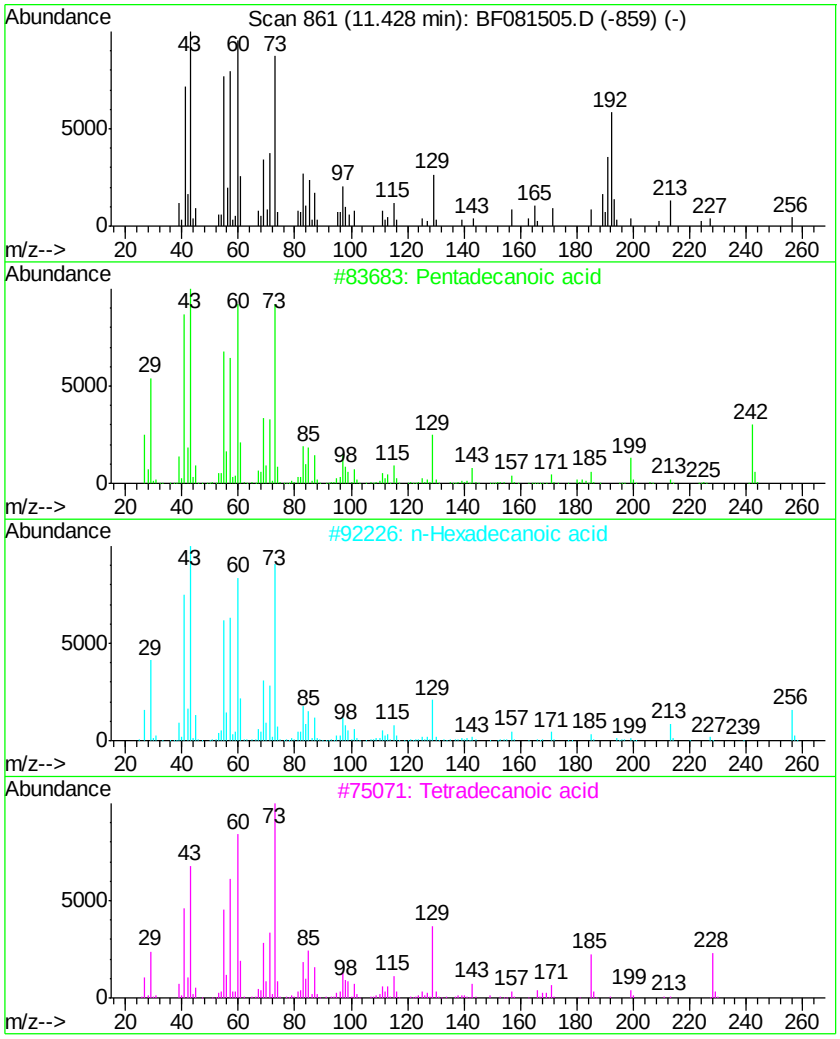
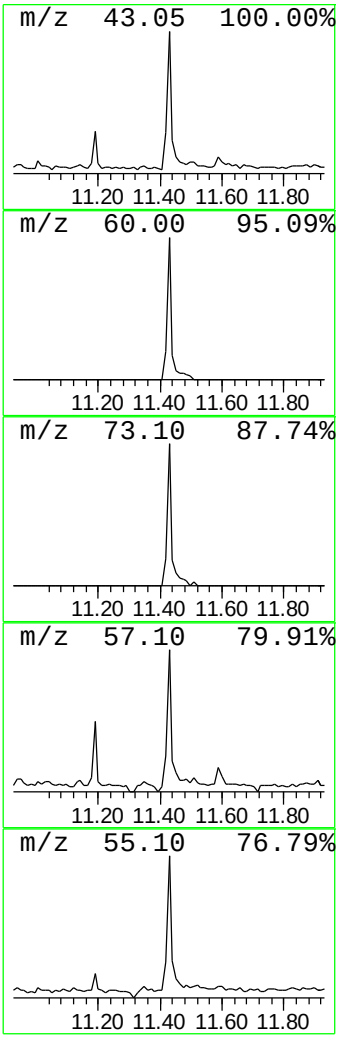
Peak Number 4 Pentadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	2.65 ng	132703	Phenanthrene-d10	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid	242	C15H30O2	001002-84-2	62
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	58
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	52
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	38
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	15





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081505.D
Acq On : 6 Sep 2015 12:44
Operator : UM/IZ
Sample : G3555-11
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

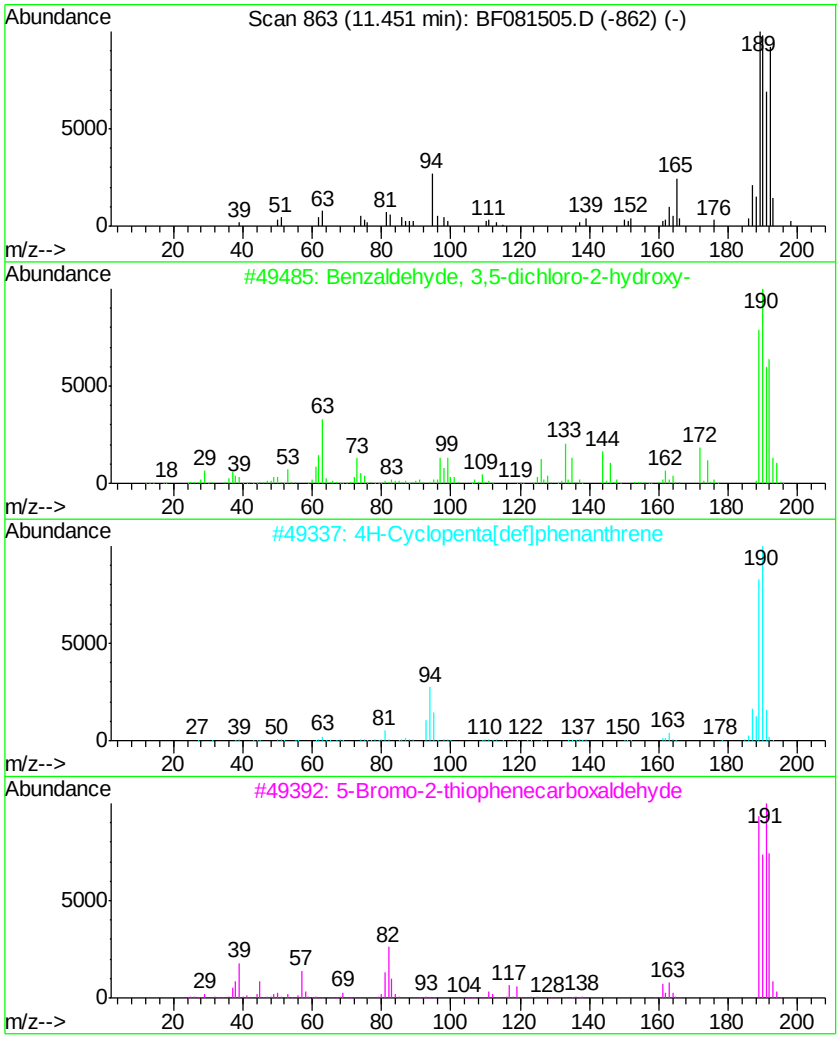
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

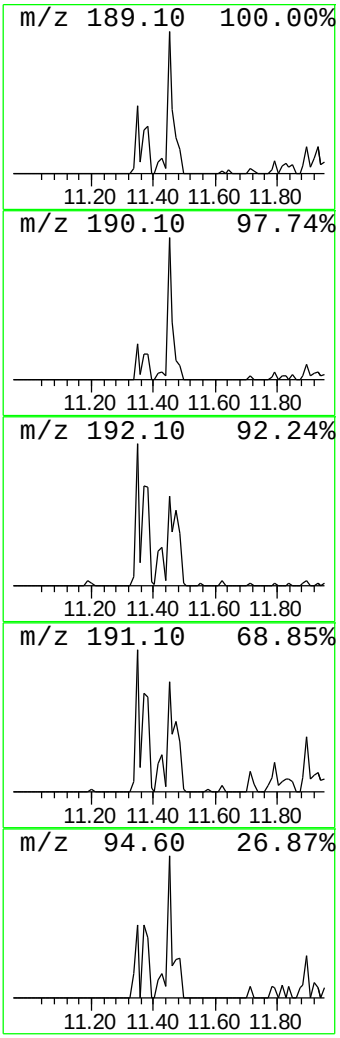
****

Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.45	3.19 ng	159915	Phenanthrene-d10	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	52
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	49
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081505.D
Acq On : 6 Sep 2015 12:44
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Sample : G3555-11
Misc :
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Instrument : BNA_F
ClientSampleId : COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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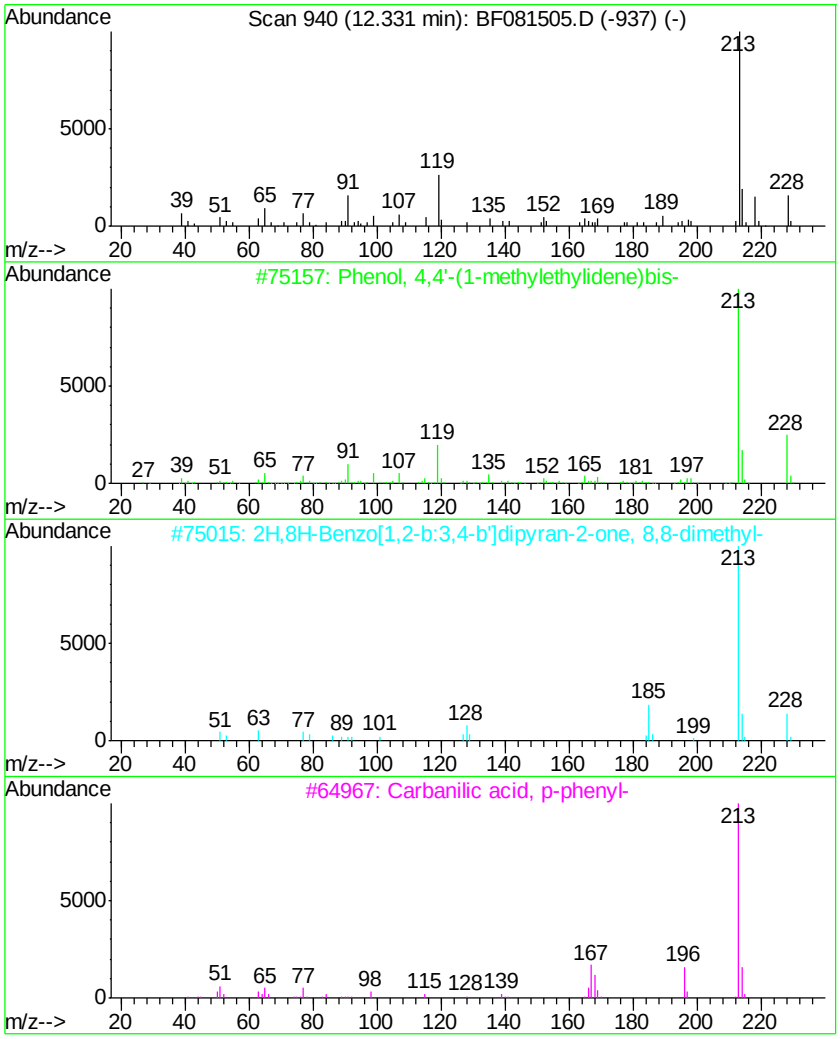
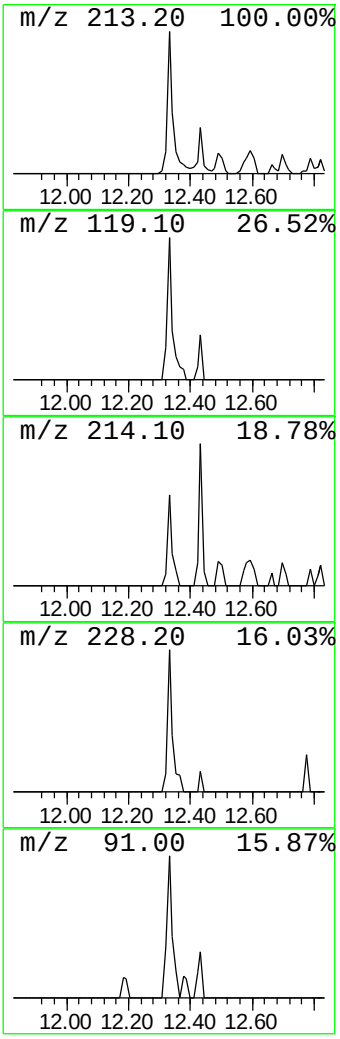
Peak Number 6 Phenol, 4,4'-(1-methylethyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	2.54 ng	92089	Chrysene-d12	13.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	94
2	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	52
3	Carbanilic acid, p-phenyl-	213	C13H11NO2	004474-53-7	52
4	Trimethyl[5-(trimethylsilyl)-2-t...	228	C10H20SSi2	017906-71-7	52
5	Phenol, 2,4'-isopropylidenedi-	228	C15H16O2	000837-08-1	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081505.D
Acq On : 6 Sep 2015 12:44
Operator : UM/IZ
Sample : G3555-11
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

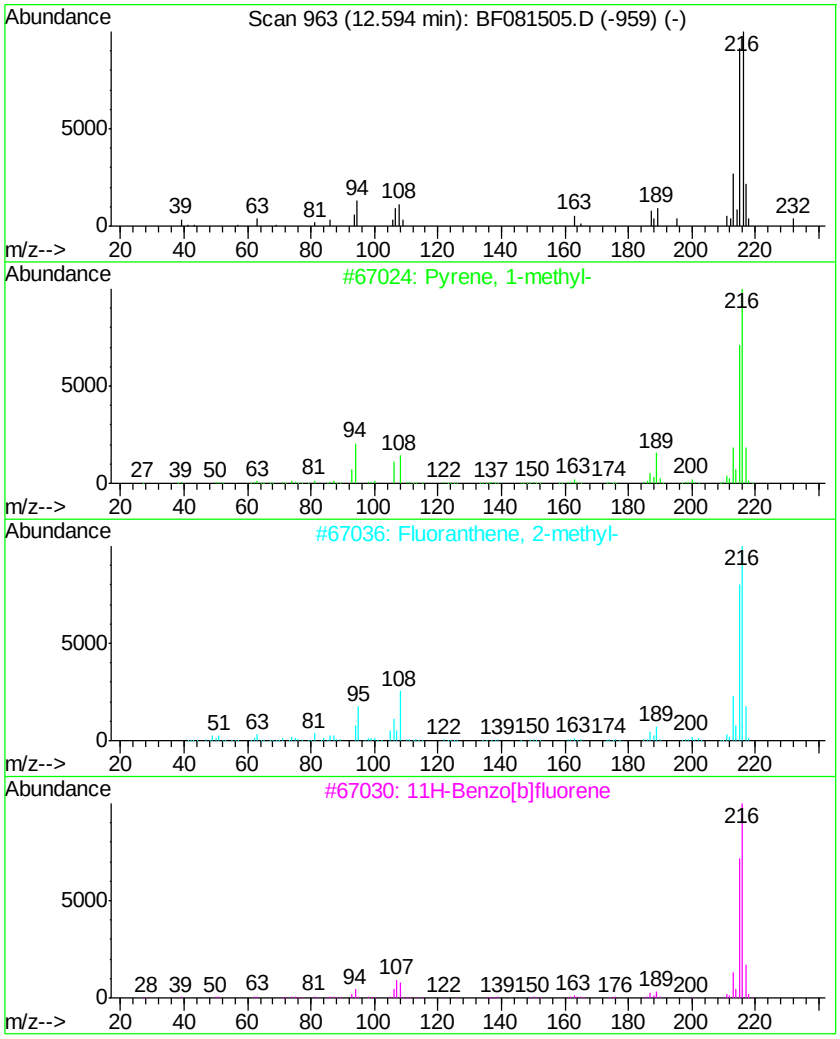
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

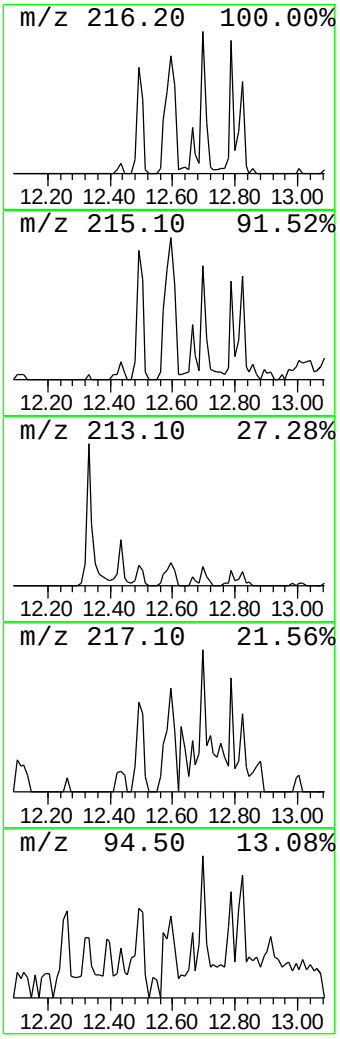
****

Peak Number 7 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	2.18 ng	78931	Chrysene-d12	13.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081505.D
Acq On : 6 Sep 2015 12:44
Operator : UM/IZ
Sample : G3555-11
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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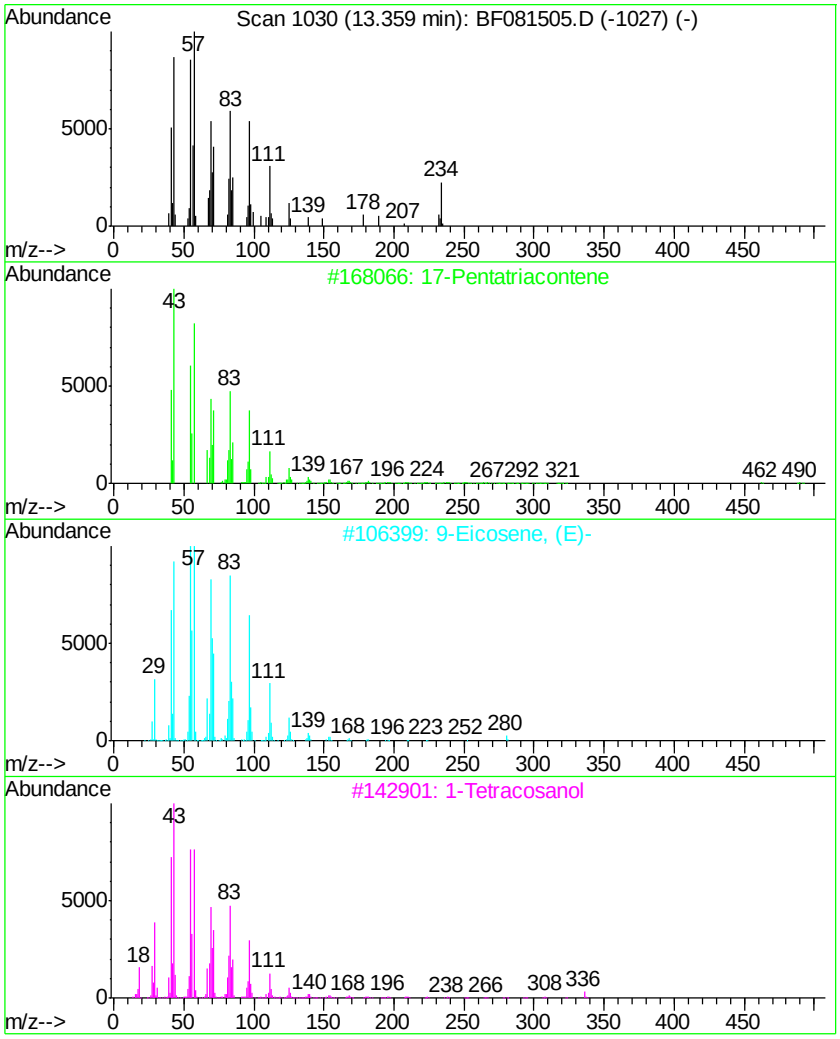
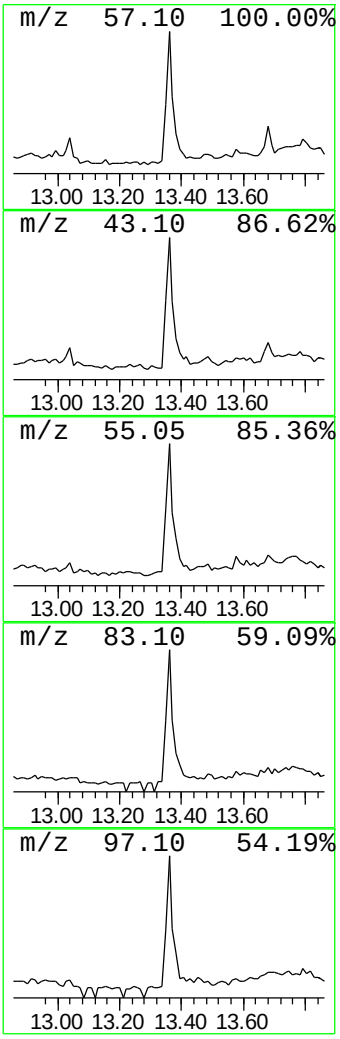
Peak Number 8 17-Pentatriacontene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	3.67 ng	133074	Chrysene-d12	13.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Pentatriacontene	491	C35H70	006971-40-0	74
2	9-Eicosene, (E)-	280	C20H40	074685-29-3	72
3	1-Tetracosanol	354	C24H50O	000506-51-4	70
4	1-Hexacosanol	382	C26H54O	000506-52-5	62
5	5-Eicosene, (E)-	280	C20H40	074685-30-6	62





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Data File : BF081505.D
Acq On : 6 Sep 2015 12:44
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Sample : G3555-11
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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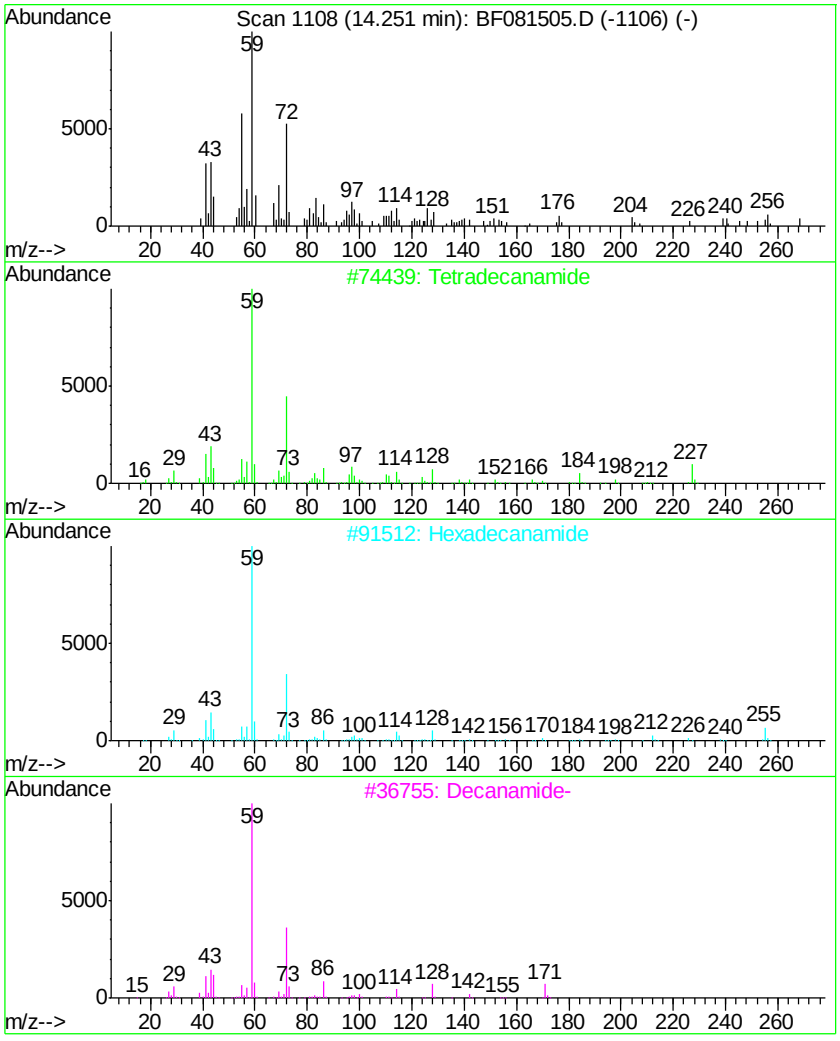
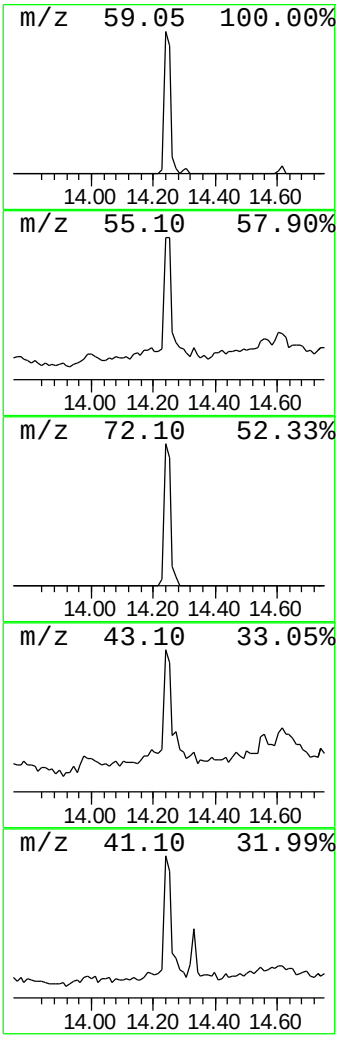
Peak Number 9 Tetradecanamide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	9.22 ng	143680	Perylene-d12	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanamide	227	C14H29NO	000638-58-4	80
2	Hexadecanamide	255	C16H33NO	000629-54-9	74
3	Decanamide-	171	C10H21NO	002319-29-1	64
4	Pentadecanamide, 15-bromo-	319	C15H30BrNO	1000163-86-1	53
5	Dodecanamide	199	C12H25NO	001120-16-7	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081505.D
Acq On : 6 Sep 2015 12:44
Operator : UM/IZ
Sample : G3555-11
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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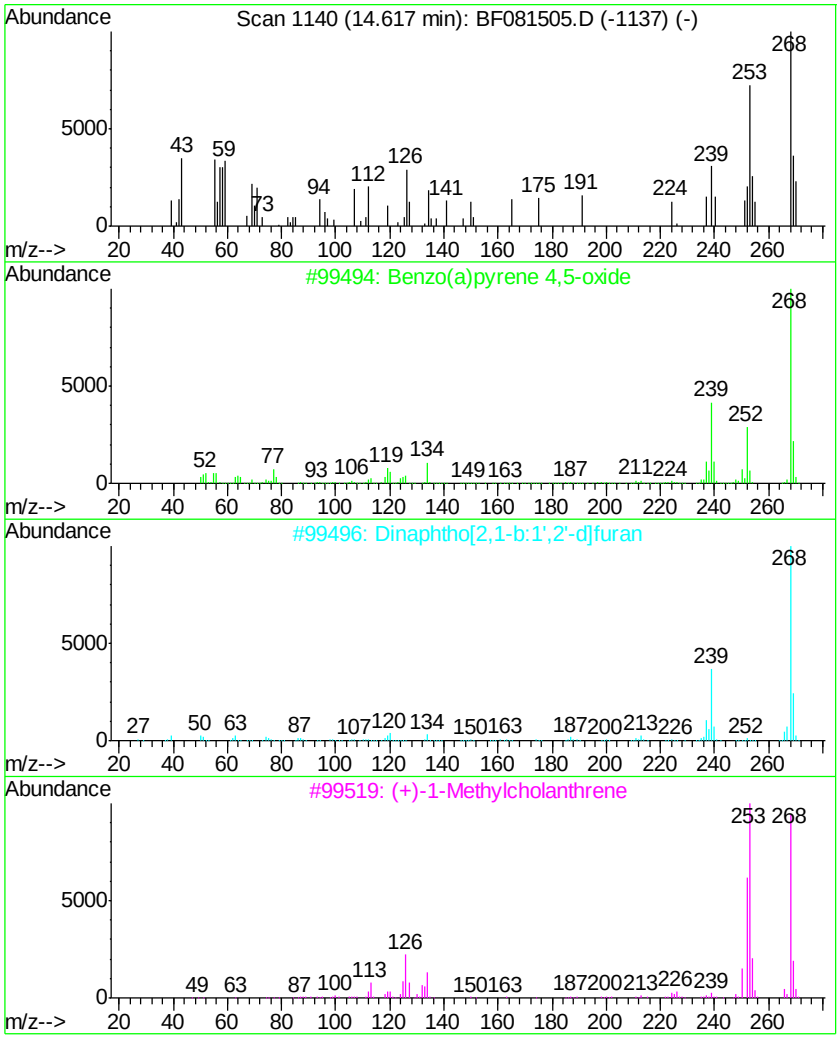
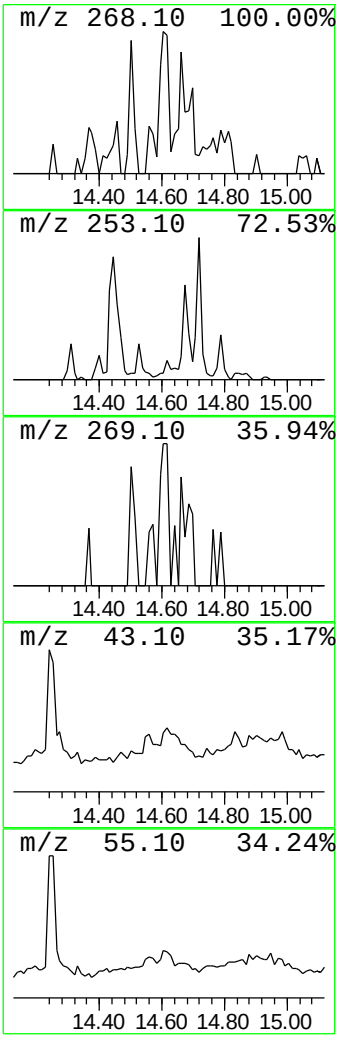
Peak Number 11 unknown14.62 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	3.45 ng	53738	Perylene-d12	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	49
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	38
3	(+)-1-Methylcholanthrene	268	C21H16	1000126-56-0	38
4	(-)-1-Methylcholanthrene	268	C21H16	1000126-55-9	38
5	4-Imidazolidinone, 5,5-diphenyl-...	268	C15H12N2OS	021083-47-6	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081505.D
Acq On : 6 Sep 2015 12:44
Operator : UM/IZ
Sample : G3555-11
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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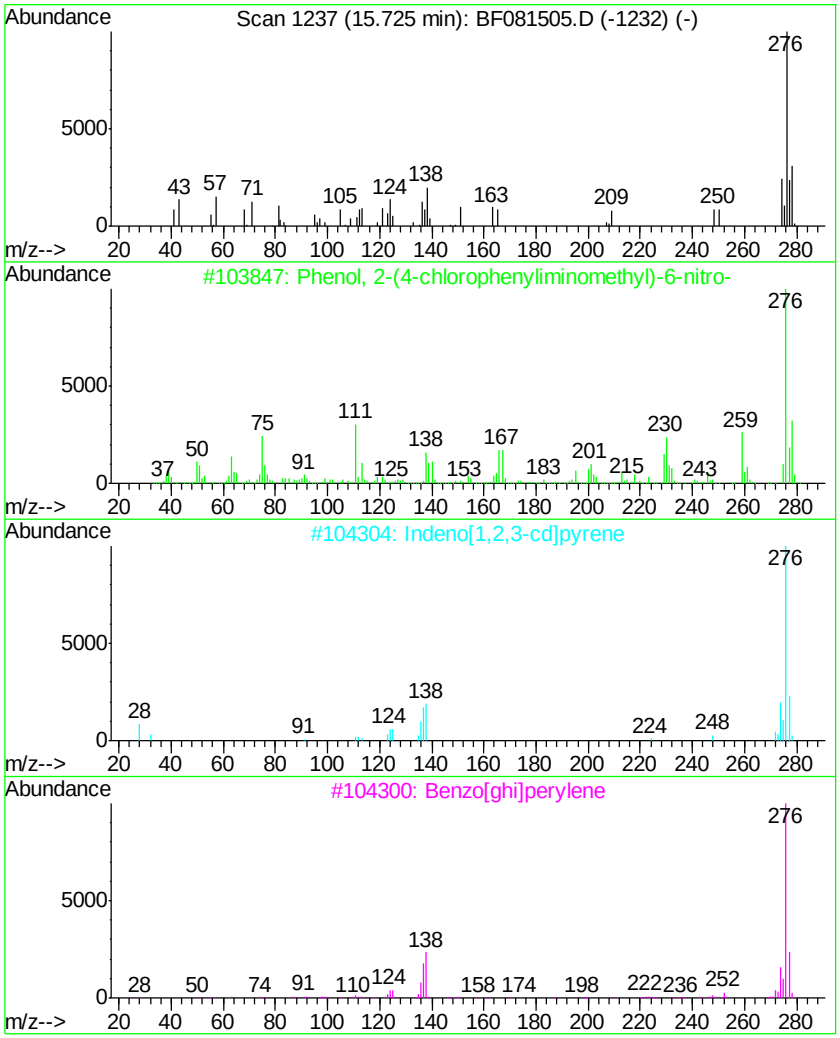
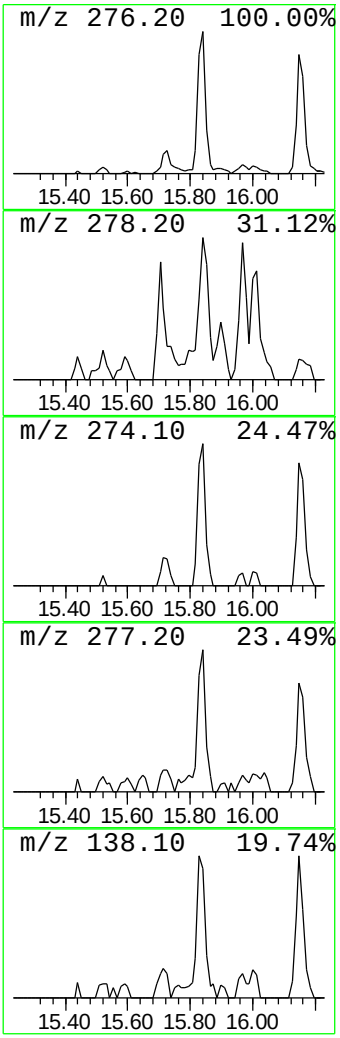
Peak Number 13 Phenol, 2-(4-chlorophenylim... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	3.81 ng	59299	Perylene-d12	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	64
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	58
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	52
4	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	52
5	2-Chloro-7-methoxyphenazine 5,10...	276	C13H9ClN2O3	023677-04-5	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081505.D
Acq On : 6 Sep 2015 12:44
Operator : UM/IZ
Sample : G3555-11
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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
unknown4.40	4.40	43.5	ng	739957	1	6.35	339821	20.0
Pentadecanoic acid	11.43	2.6	ng	132703	4	10.86	1002070	20.0
Benzaldehyde, 3,5...	11.45	3.2	ng	159915	4	10.86	1002070	20.0
Phenol, 4,4'-(1-m...	12.33	2.5	ng	92089	5	13.46	724616	20.0
Pyrene, 1-methyl-	12.59	2.2	ng	78931	5	13.46	724616	20.0
17-Pentatriacontene	13.36	3.7	ng	133074	5	13.46	724616	20.0
Tetradecanamide	14.25	9.2	ng	143680	6	14.77	311679	20.0
unknown14.62	14.62	3.5	ng	53738	6	14.77	311679	20.0
Phenol, 2-(4-chlo...	15.73	3.8	ng	59299	6	14.77	311679	20.0