LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086952.D
Acq On : 13 May 2016 1:45
Operator : UM/SJ
Sample : H2977-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 90TH-AVE-SB-11-0.5-6.0

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-BF050916.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	1.633	3	4	12	rVB	436856	692915	13.67%	1.151%
2	1.747	12	14	46	rVB	2143316	4955057	97.74%	8.230%
3	4.776	277	279	292	rBV	258665	535528	10.56%	0.889%
4	5.222	315	318	320	rBV	4322838	4683694	92.39%	7.779%
5	6.170	398	401	409	rBV	172008	211637	4.17%	0.351%
6	6.296	409	412	414	rBV	4394944	5069615	100.00%	8.420%
7	6.399	418	421	423	rBV	4752036	4778640	94.26%	7.937%
8	6.616	438	440	443	rBV	845553	1117959	22.05%	1.857%
9	6.776	452	454	457	rBV	3252715	3349242	66.07%	5.563%
10	7.199	488	491	493	rBV	3167125	3270421	64.51%	5.432%
11	7.325	500	502	508	rVB	60202	102229	2.02%	0.170%
12	7.908	551	553	556	rBV	1565235	1417894	27.97%	2.355%
13	8.993	645	648	650	rBV	4566491	4700128	92.71%	7.806%
14	9.393	680	683	685	rBV	860433	859548	16.95%	1.428%
15	9.599	700	701	704	rBV	98682	109228	2.15%	0.181%
16	9.656	704	706	708	rBV	1555291	1373149	27.09%	2.281%
17	10.102	743	745	747	rVB	180575	140519	2.77%	0.233%
18	10.319	762	764	767	rBV	53144	80330	1.58%	0.133%
19	10.445	772	775	778	rBV	2374724	2285634	45.08%	3.796%
20	10.571	784	786	793	rVB	209983	242441	4.78%	0.403%
21	10.765	799	803	807	rBV3	28084	66584	1.31%	0.111%
22	11.016	823	825	827	rBV	126438	117796	2.32%	0.196%
23	11.131	833	835	839	rBV2	1133627	1486097	29.31%	2.468%
24	11.211	839	842	844	rVB	115579	133858	2.64%	0.222%
25	11.382	854	857	860	rBV3	87119	138053	2.72%	0.229%
26	11.439	860	862	865	rVB	59719	65941	1.30%	0.110%
27	11.634	876	879	880	rBV	70480	64502	1.27%	0.107%
28	11.679	880	883	887	rVV2	154753	289547	5.71%	0.481%
29	11.736	887	888	894	rVB	135264	239955	4.73%	0.399%
30	11.851	894	898	902	rBV3	32049	60453	1.19%	0.100%
31	11.931	902	905	906	rVV	67159	61698	1.22%	0.102%
32	11.954	906	907	910	rVB	76230	70110	1.38%	0.116%
33	12.217	928	930	933	rVB3	32176	67280	1.33%	0.112%
34	12.262	933	934	938	rVB	62562	76771	1.51%	0.128%

LSC Area Percent Report

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Acq On : 13 May 2016 1:45
Operator : UM/SJ
Sample : H2977-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 90TH-AVE-SB-11-0.5-6.0

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-BF050916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.342	938	941	943	rBV	1519770	1491944	29.43%	2.478%
36	12.479	950	953	957	rVB3	50833	115164	2.27%	0.191%
37	12.559	957	960	963	rBV2	973318	1481009	29.21%	2.460%
38	12.617	963	965	969	rVB	59133	81707	1.61%	0.136%
39	12.685	969	971	972	rBV	68057	75255	1.48%	0.125%
40	12.719	972	974	976	rVV	3096900	2936151	57.92%	4.877%
41	12.788	976	980	982	rVB2	75290	112104	2.21%	0.186%
42	12.891	985	989	991	rVB2	147418	254565	5.02%	0.423%
43	12.959	993	995	997	rVV	148013	145706	2.87%	0.242%
44	12.994	997	998	1002	rVB2	121700	161743	3.19%	0.269%
45	13.119	1008	1009	1013	rVB	56104	53554	1.06%	0.089%
46	13.211	1014	1017	1022	rVV2	104315	232828	4.59%	0.387%
47	13.291	1022	1024	1030	rVB4	43908	118737	2.34%	0.197%
48	13.405	1030	1034	1036	rBV	88832	147754	2.91%	0.245%
49	13.508	1040	1043	1044	rBV	129104	137554	2.71%	0.228%
50	13.554	1044	1047	1051	rVV3	92302	263117	5.19%	0.437%
51	13.622	1051	1053	1057	rVV3	129065	278775	5.50%	0.463%
52	13.760	1061	1065	1072	rBV2	1430292	2763565	54.51%	4.590%
53	13.862	1072	1074	1075	rBV	185337	164190	3.24%	0.273%
54	13.908	1075	1078	1080	rVV3	78334	130095	2.57%	0.216%
55	13.965	1080	1083	1084	rVV3	58087	100803	1.99%	0.167%
56	14.000	1084	1086	1091	rVB2	50976	104627	2.06%	0.174%
57	14.114	1094	1096	1097	rBV	41456	73196	1.44%	0.122%
58	14.148	1097	1099	1100	rVV	107653	112678	2.22%	0.187%
59	14.182	1100	1102	1104	rVB3	52259	70377	1.39%	0.117%
60	14.240	1104	1107	1108	rBV2	94643	136140	2.69%	0.226%
61	14.285	1108	1111	1115	rVB4	73016	189093	3.73%	0.314%
62	14.457	1123	1126	1130	rBV4	37245	105763	2.09%	0.176%
63	14.525	1130	1132	1137	rVV4	40062	80382	1.59%	0.134%
64	14.617	1137	1140	1143	rBV2	66565	129884	2.56%	0.216%
65	14.754	1150	1152	1157	rBV	751311	1331441	26.26%	2.211%
66	14.845	1157	1160	1164	rVB2	143367	197414	3.89%	0.328%
67	15.017	1172	1175	1177	rVB	344046	414481	8.18%	0.688%
68	15.063	1177	1179	1182	rVB	459554	647849	12.78%	1.076%
69	15.120	1182	1184	1190	rVB2	750321	1132467	22.34%	1.881%
70	15.600	1224	1226	1232	rVB2	54875	108198	2.13%	0.180%
71	16.205	1276	1279	1280	rBV2	28402	59600	1.18%	0.099%

LSC Area Percent Report

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Acq On : 13 May 2016 1:45
Operator : UM/SJ
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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 90TH-AVE-SB-11-0.5-6.0

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	16.366	1290	1293	1297	rVB	223404	391688	7.73%	0.651%
73	16.514	1303	1306	1308	rBV	36372	69414	1.37%	0.115%
74	16.617	1313	1315	1319	rVB3	38792	81850	1.61%	0.136%
75	16.743	1322	1326	1332	rBV	158768	329899	6.51%	0.548%
76	16.937	1341	1343	1352	rVB2	51126	154471	3.05%	0.257%
77	18.640	1488	1492	1500	rVB	39880	128271	2.53%	0.213%

Sum of corrected areas: 60209956

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Misc :
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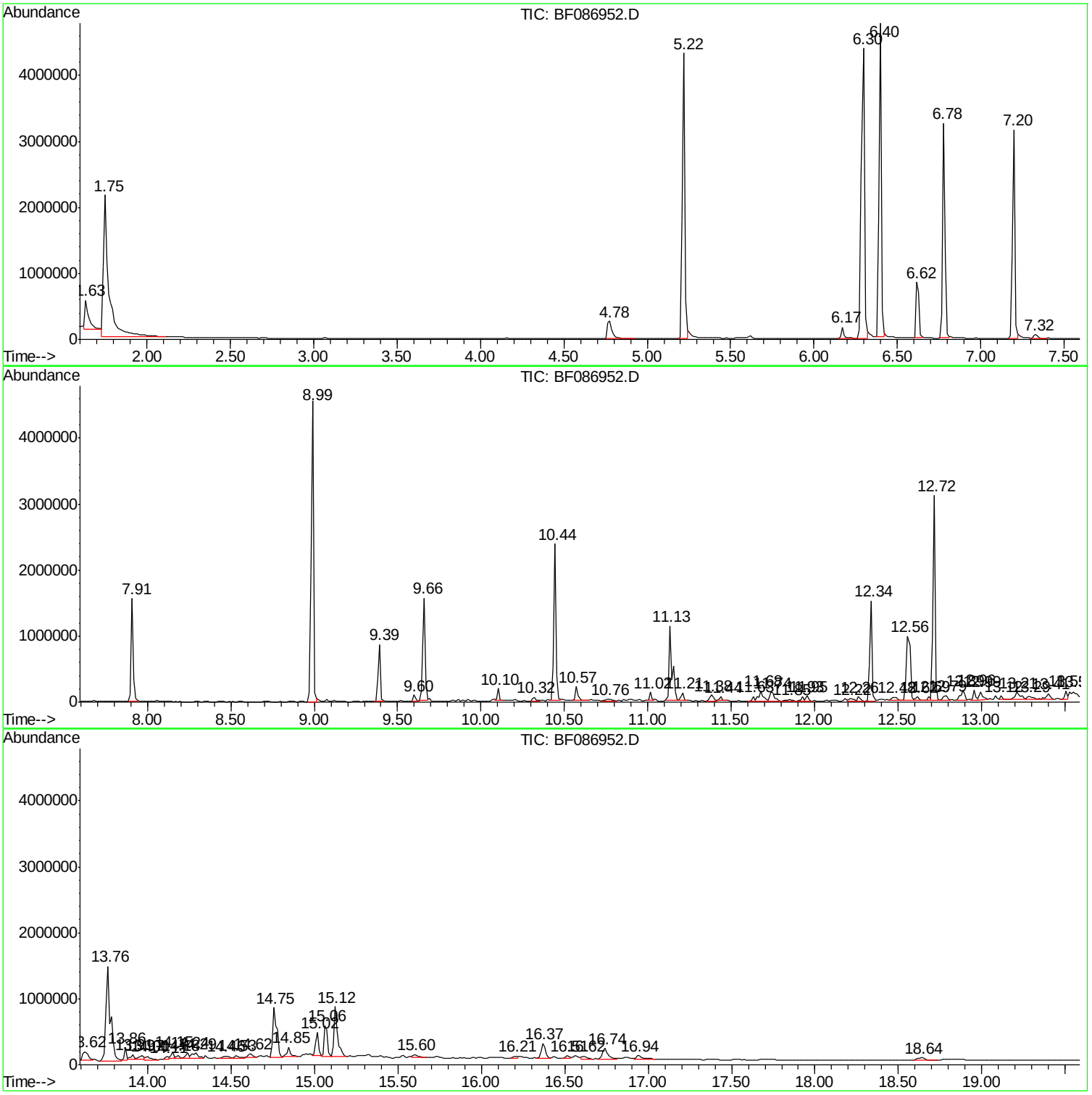
Instrument :
BNA_F
ClientSampleId :
90TH-AVE-SB-11-0.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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\BF051216\
Data File : BF086952.D
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Operator : UM/SJ
Sample : H2977-06
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
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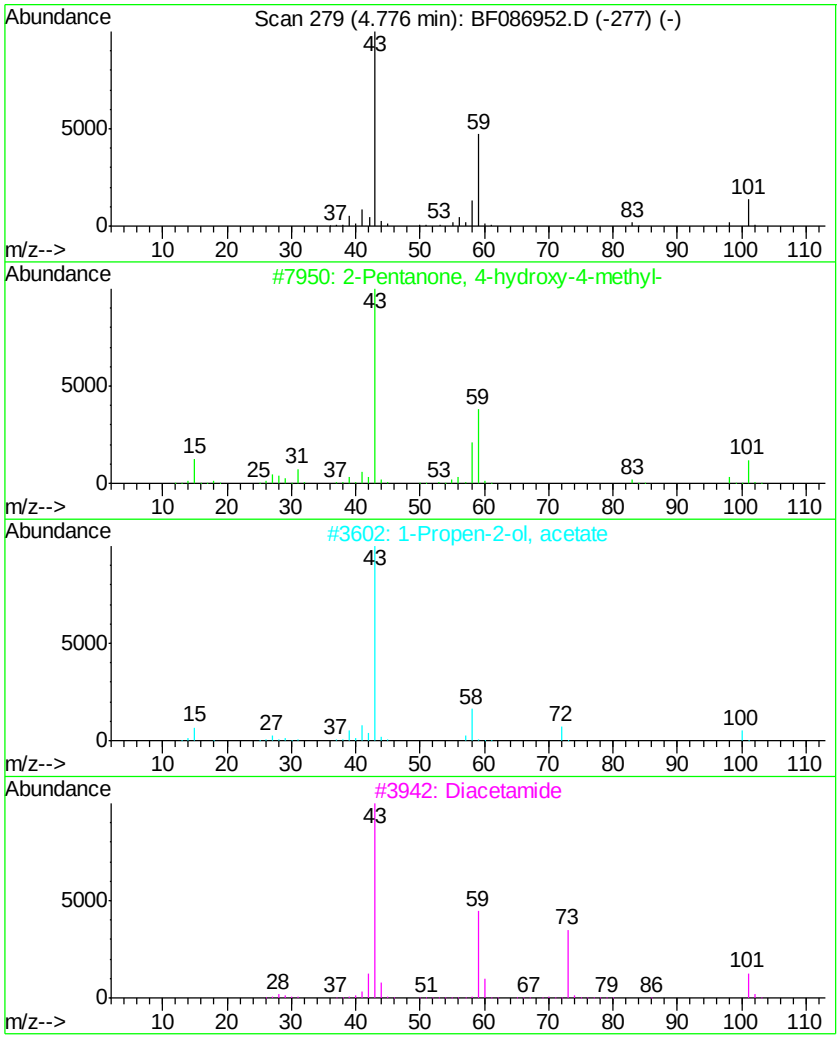
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

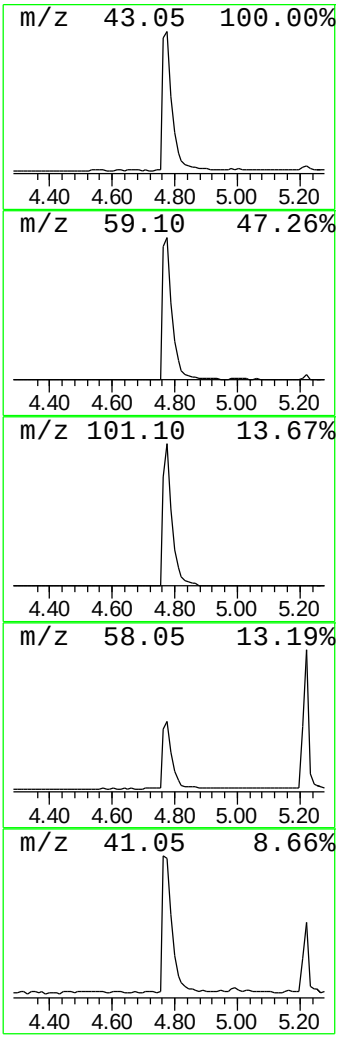
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.78	9.58 ng	535528	1,4-Dichlorobenzene-d4	6.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3	Diacetamide	101	C4H7NO2	000625-77-4	9
4	Butane	58	C4H10	000106-97-8	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





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Sample : H2977-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
90TH-AVE-SB-11-0.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

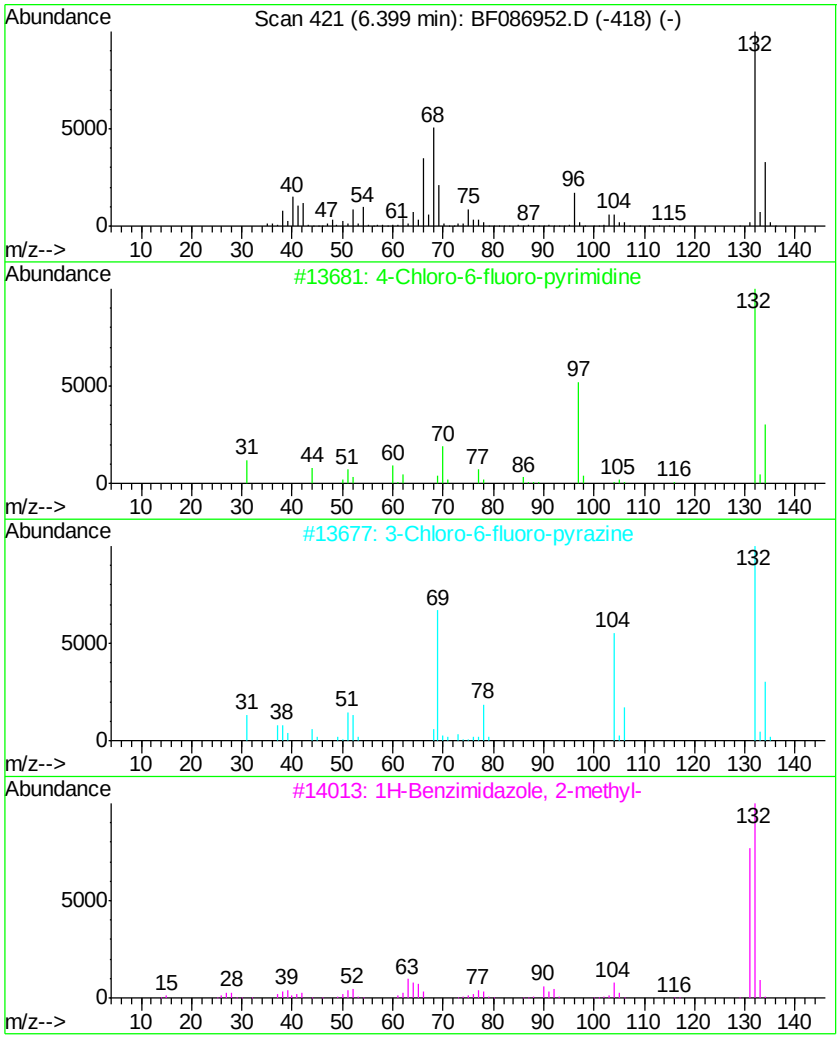
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

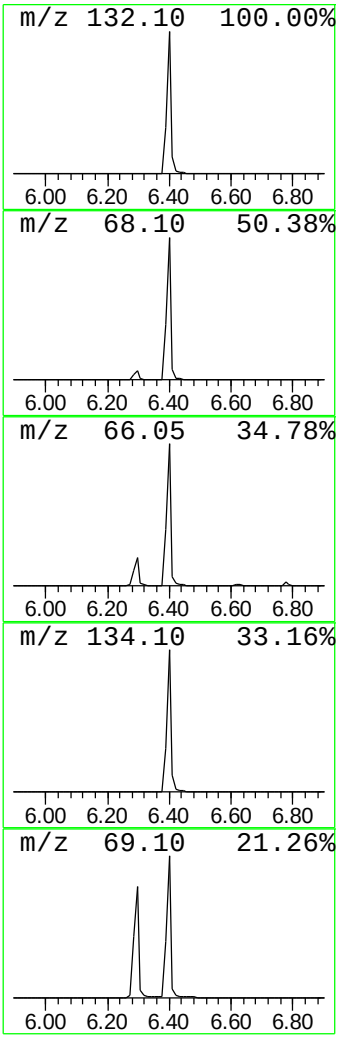
****

Peak Number 4 unknown6.40 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	85.49 ng	4778640	1,4-Dichlorobenzene-d4	6.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086952.D
Acq On : 13 May 2016 1:45
Operator : UM/SJ
Sample : H2977-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 90TH-AVE-SB-11-0.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
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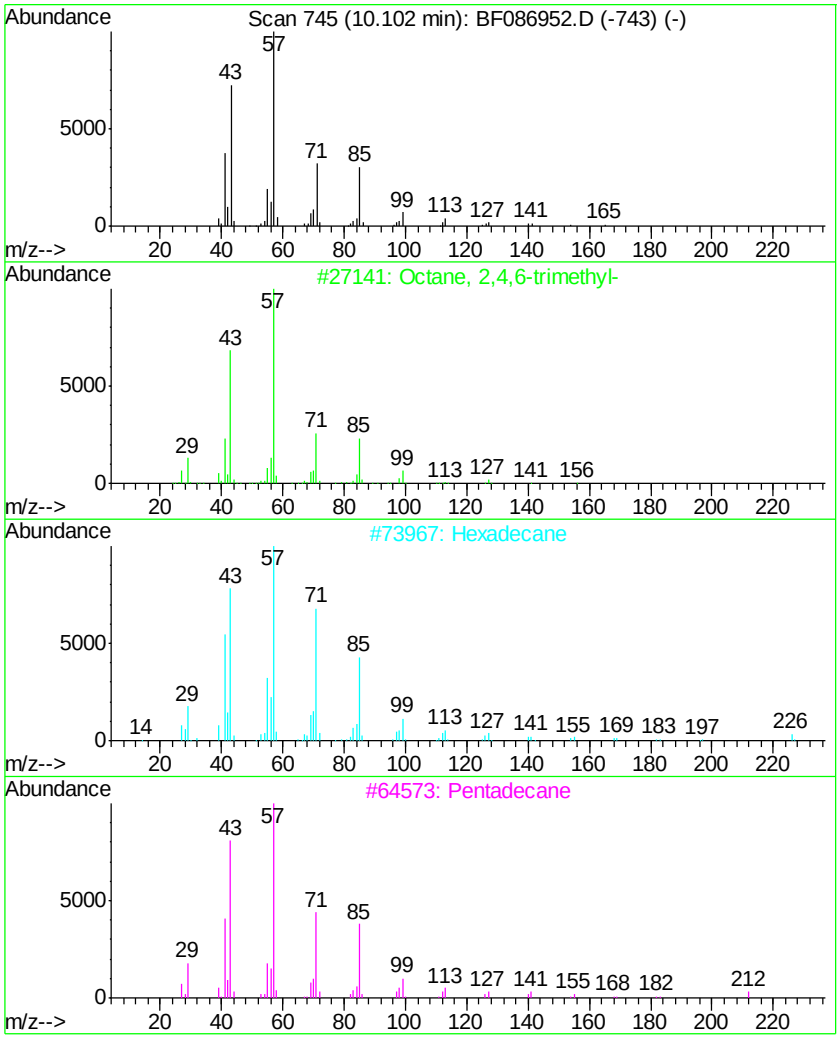
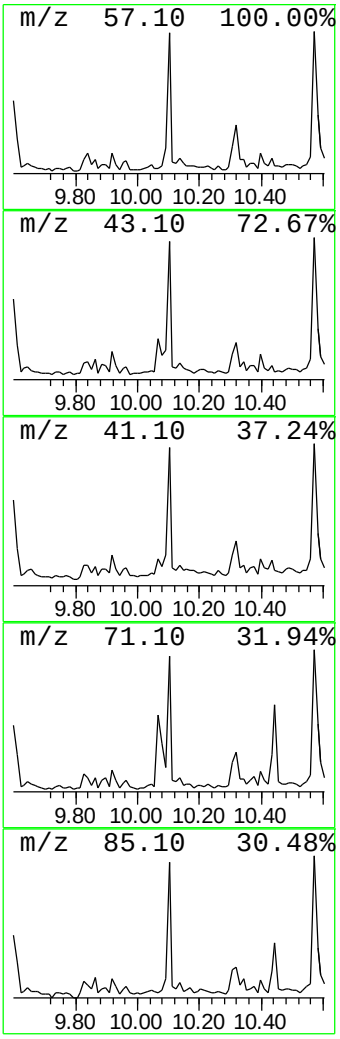
****

Peak Number 6 Octane, 2,4,6-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	2.05 ng	140519	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	72
2	Hexadecane	226	C16H34	000544-76-3	72
3	Pentadecane	212	C15H32	000629-62-9	72
4	Undecane	156	C11H24	001120-21-4	64
5	1-Iodoundecane	282	C11H23I	004282-44-4	64





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Sample : H2977-06
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Instrument : BNA_F
ClientSampleId : 90TH-AVE-SB-11-0.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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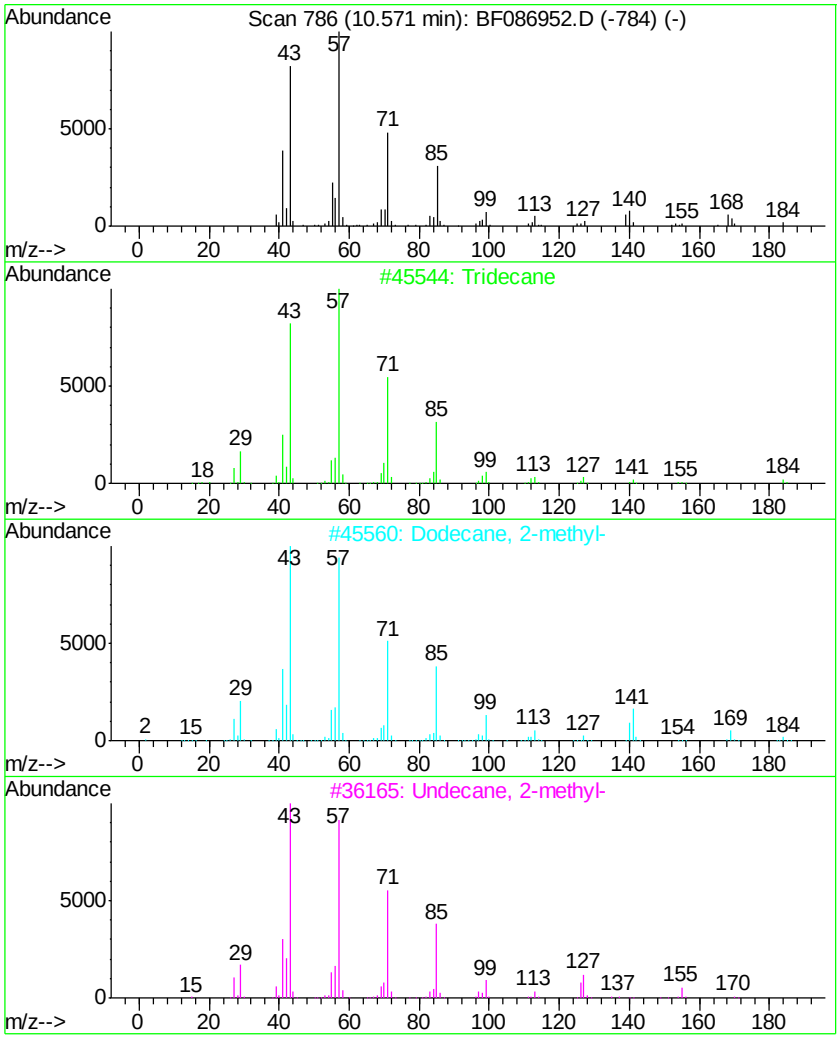
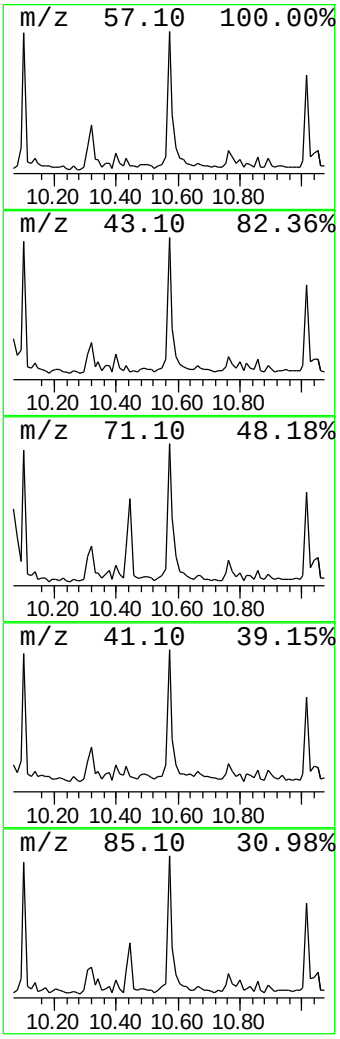
Peak Number 7 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	3.26 ng	242441	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	96
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	83
3	Undecane, 2-methyl-	170	C12H26	007045-71-8	74
4	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	68
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	68





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Misc :
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Instrument : BNA_F
ClientSampleId : 90TH-AVE-SB-11-0.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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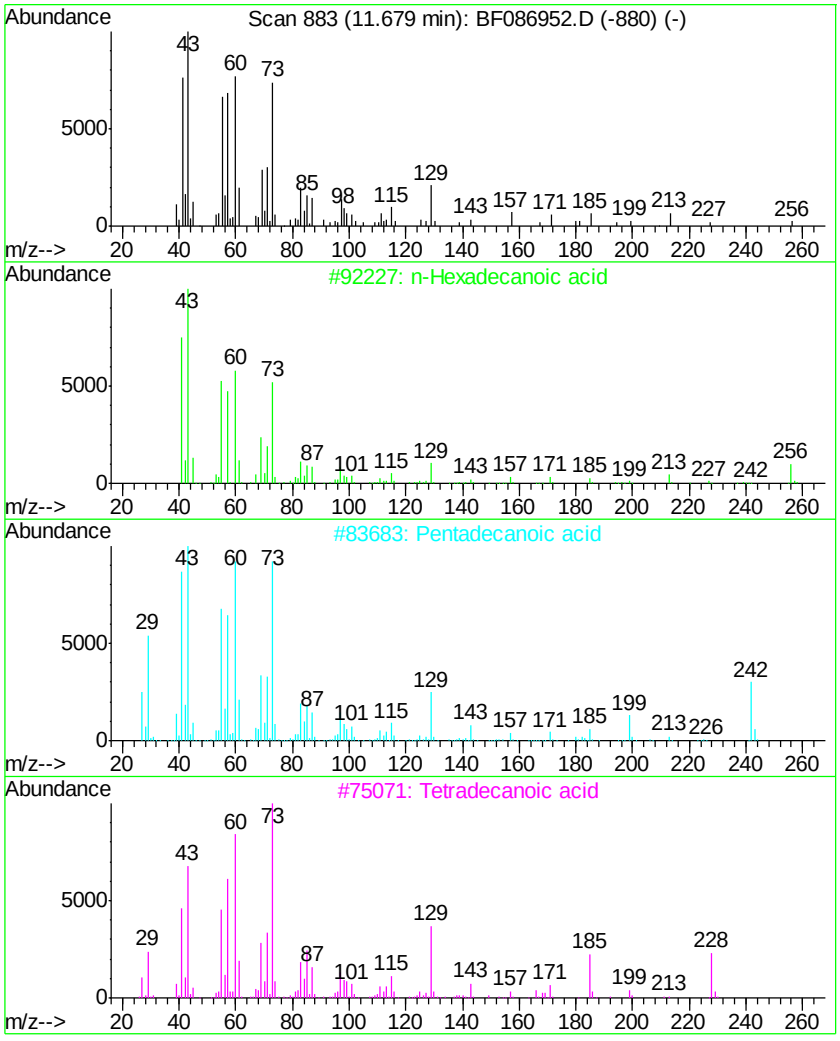
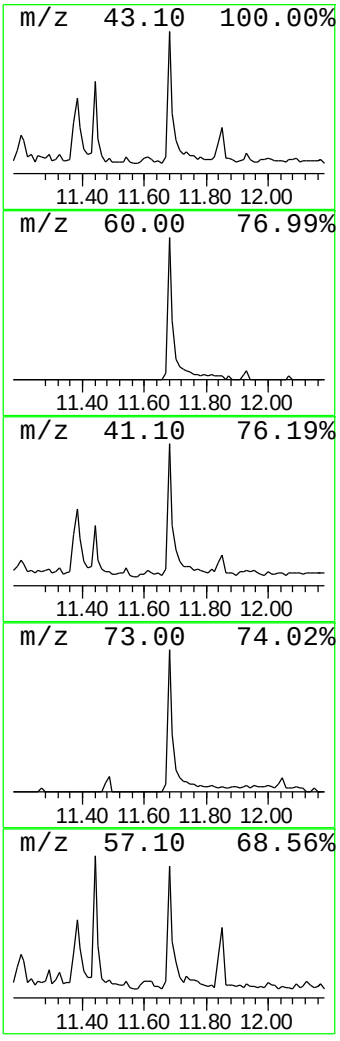
Peak Number 8 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	3.90 ng	289547	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4	Undecanoic acid	186	C11H22O2	000112-37-8	72
5	Tridecanoic acid	214	C13H26O2	000638-53-9	72





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086952.D
Acq On : 13 May 2016 1:45
Operator : UM/SJ
Sample : H2977-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 90TH-AVE-SB-11-0.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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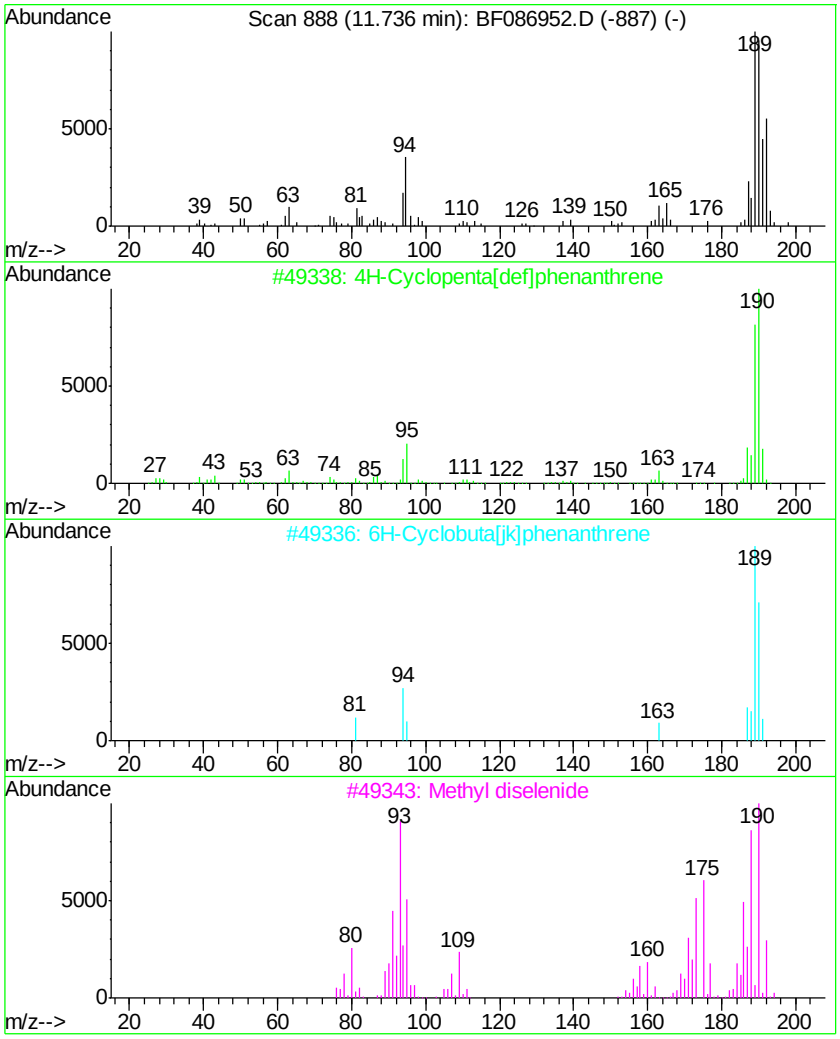
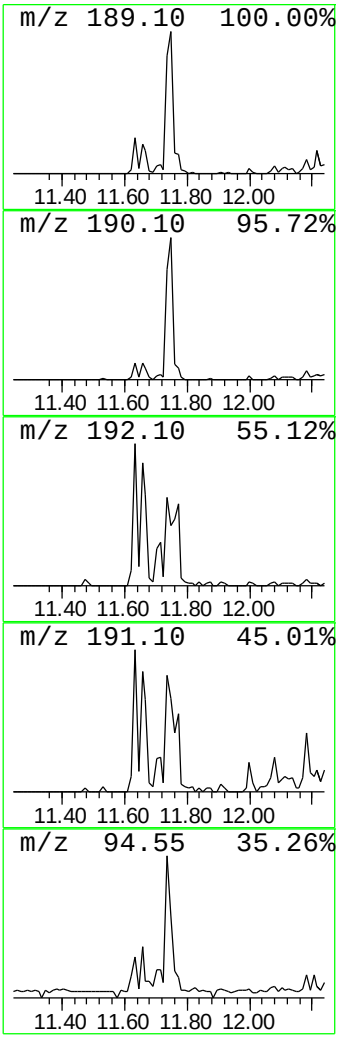
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	3.23 ng	239955	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Methyl diselenide	190	C2H6Se2	007101-31-7	38
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	14





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086952.D
Acq On : 13 May 2016 1:45
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Sample : H2977-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 90TH-AVE-SB-11-0.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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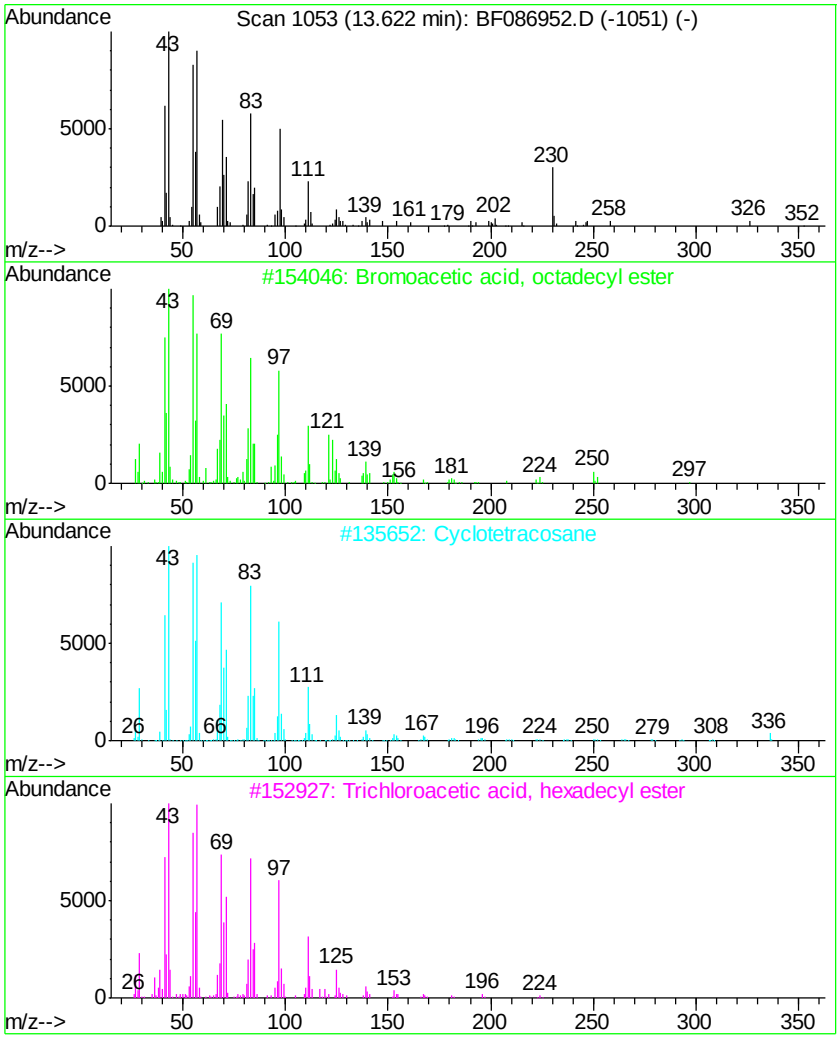
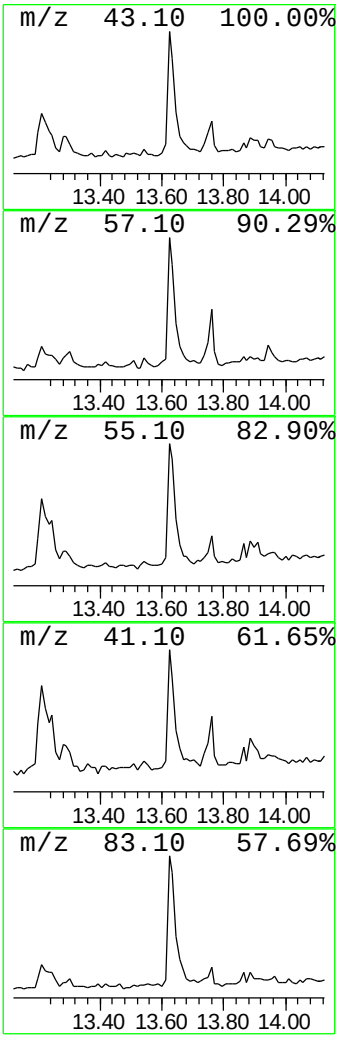
Peak Number 10 Bromoacetic acid, octadecyl... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	2.02 ng	278775	Chrysene-d12	13.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	87
2	Cyclotetracosane	336	C24H48	000297-03-0	76
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	76
4	1-Tetracosanol	354	C24H50O	000506-51-4	76
5	1-Hexacosanol	382	C26H54O	000506-52-5	76





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086952.D
Acq On : 13 May 2016 1:45
Operator : UM/SJ
Sample : H2977-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 90TH-AVE-SB-11-0.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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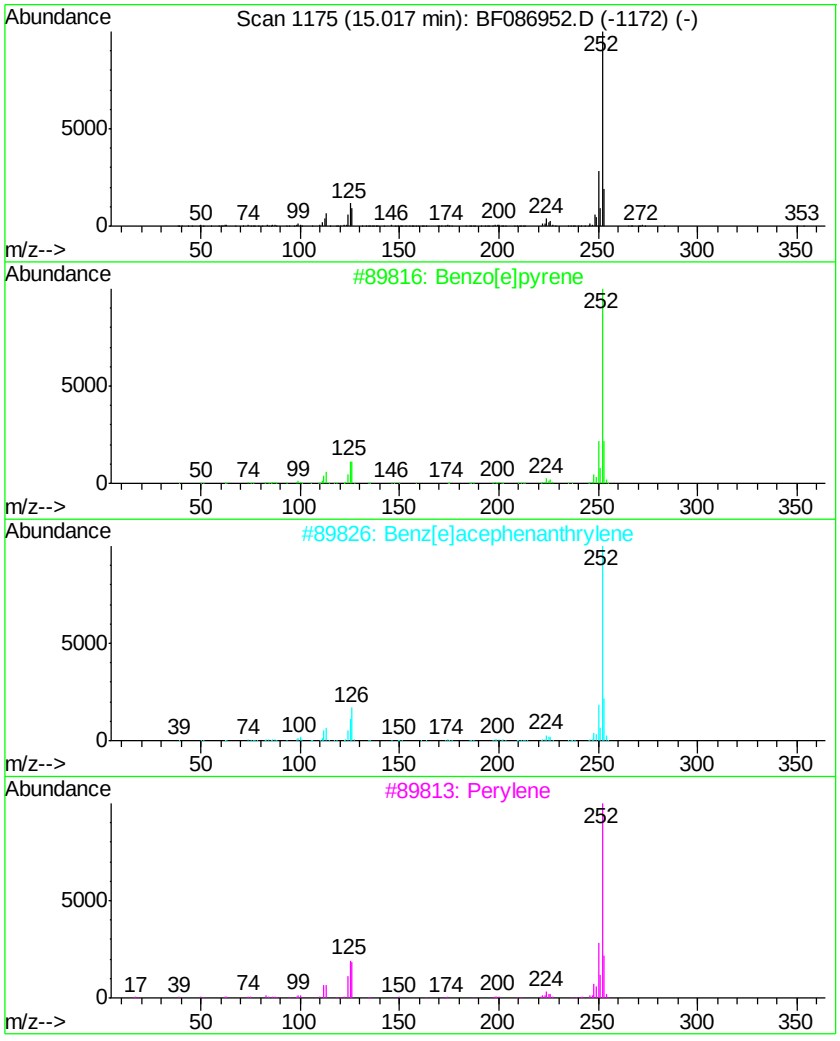
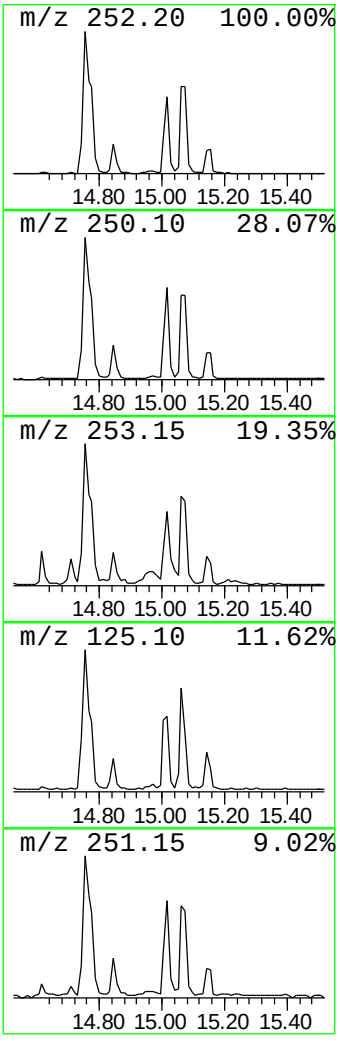
Peak Number 13 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	7.32 ng	414481	Perylene-d12	15.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086952.D
Acq On : 13 May 2016 1:45
Operator : UM/SJ
Sample : H2977-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 90TH-AVE-SB-11-0.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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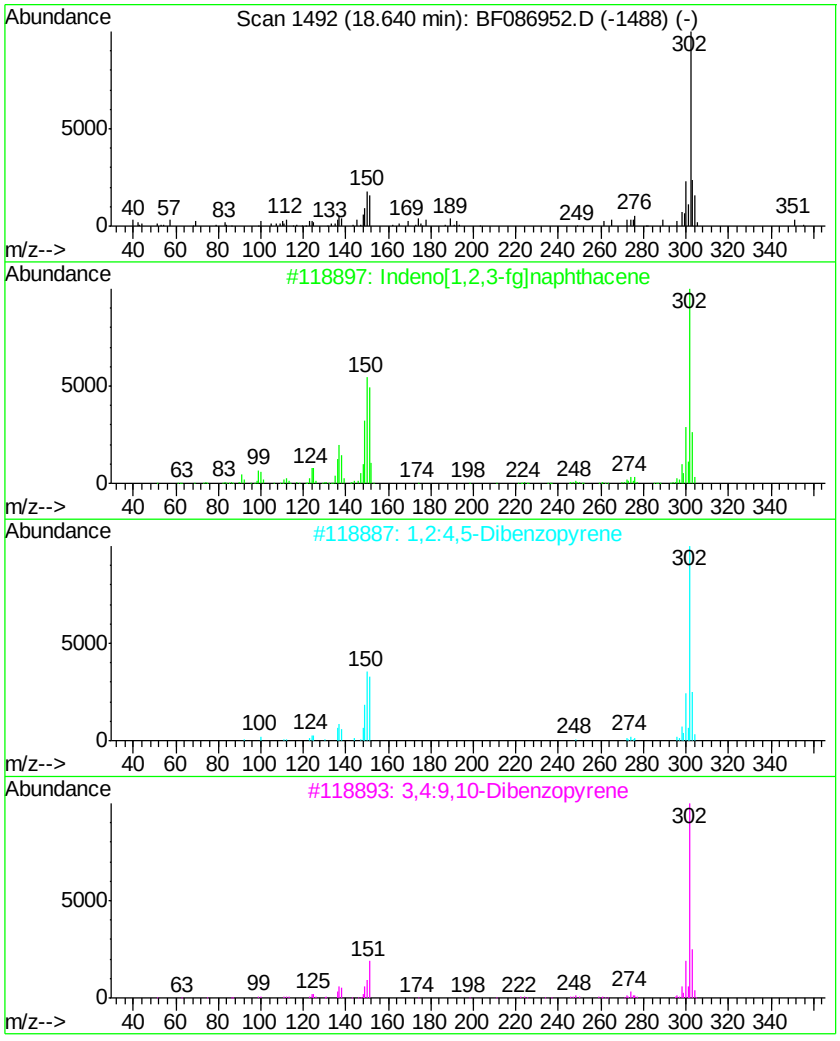
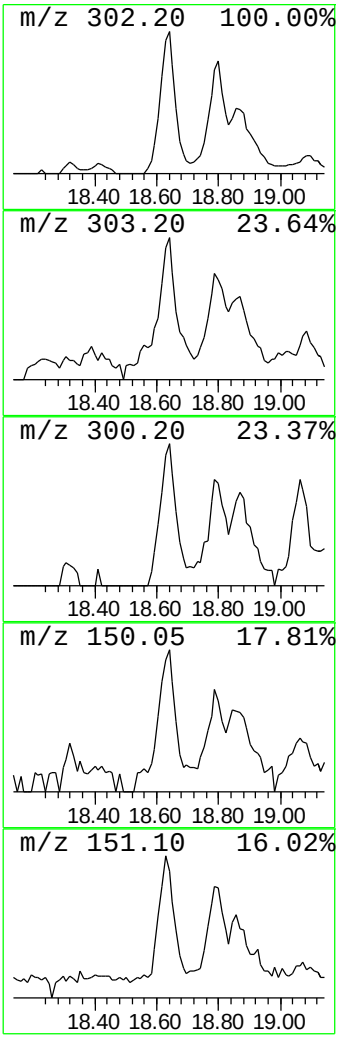
Peak Number 15 Indeno[1,2,3-fg]naphthacene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	2.27 ng	128271	Perylene-d12	15.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	94
2	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	92
3	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	92
4	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	86
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086952.D
Acq On : 13 May 2016 1:45
Operator : UM/SJ
Sample : H2977-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 90TH-AVE-SB-11-0.5-6.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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
2-Pentanone, 4-hy...	4.78	9.6	ng	535528	1	6.63	1117960	20.0
unknown6.40	6.40	85.5	ng	4778640	1	6.63	1117960	20.0
Octane, 2,4,6-tri...	10.10	2.0	ng	140519	3	9.66	1373150	20.0
Tridecane	10.57	3.3	ng	242441	4	11.13	1486100	20.0
n-Hexadecanoic acid	11.68	3.9	ng	289547	4	11.13	1486100	20.0
4H-Cyclopenta[def...	11.74	3.2	ng	239955	4	11.13	1486100	20.0
Bromoacetic acid,...	13.62	2.0	ng	278775	5	13.76	2763570	20.0
Benzo[e]pyrene	15.02	7.3	ng	414481	6	15.12	1132470	20.0
Indeno[1,2,3-fg]n...	18.64	2.3	ng	128271	6	15.12	1132470	20.0