LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079646.D
Acq On : 31 May 2015 21:31
Operator : TP/IZ
Sample : G2408-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19D

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-BF052615.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	1.541	29	31	38	rVV	73590	127788	6.69%	0.653%
2	1.633	38	39	61	rVB	879012	1716455	89.81%	8.772%
3	4.604	296	299	306	rBV	33164	68719	3.60%	0.351%
4	5.176	346	349	360	rBV	899894	1259448	65.90%	6.437%
5	6.502	463	465	473	rBV	1144753	1288905	67.44%	6.587%
6	6.616	473	475	478	rBV	1066963	1365468	71.44%	6.979%
7	6.902	498	500	503	rBV	297293	354045	18.52%	1.809%
8	7.096	514	517	519	rBV	768639	1030237	53.90%	5.265%
9	7.610	560	562	564	rBV	820799	808356	42.29%	4.131%
10	8.479	636	638	640	rVV	384611	494594	25.88%	2.528%
11	8.513	640	641	643	rVB	29565	22377	1.17%	0.114%
12	9.485	725	726	729	rVB2	19564	21358	1.12%	0.109%
13	9.828	754	756	759	rBV	1215464	1586363	83.00%	8.108%
14	10.342	799	801	803	rBV	136022	156847	8.21%	0.802%
15	10.651	825	828	830	rVV	558377	598668	31.32%	3.060%
16	10.685	830	831	833	rVB	28345	25538	1.34%	0.131%
17	10.902	848	850	853	rBV3	16722	24792	1.30%	0.127%
18	10.971	853	856	859	rBV2	14081	25815	1.35%	0.132%
19	11.245	879	880	883	rBV2	17411	29585	1.55%	0.151%
20	11.325	886	887	890	rVB	43685	40843	2.14%	0.209%
21	11.634	911	914	916	rBV2	830060	1166520	61.03%	5.962%
22	11.839	930	932	935	rBV	30279	40907	2.14%	0.209%
23	12.011	943	947	949	rBV	10438	19480	1.02%	0.100%
24	12.205	958	964	965	rBV3	8805	25848	1.35%	0.132%
25	12.399	979	981	982	rBV	20397	22173	1.16%	0.113%
26	12.479	986	988	990	rVV	622462	698555	36.55%	3.570%
27	12.514	990	991	993	rVV	217631	158529	8.29%	0.810%
28	12.571	994	996	999	rVB	74520	79165	4.14%	0.405%
29	13.108	1041	1043	1045	rBV	40044	41207	2.16%	0.211%
30	13.142	1045	1046	1049	rVB	45543	41530	2.17%	0.212%
31	13.199	1049	1051	1052	rBV	27569	27502	1.44%	0.141%
32	13.234	1052	1054	1056	rBV2	52560	72597	3.80%	0.371%
33	13.485	1074	1076	1078	rVB	22705	25895	1.35%	0.132%
34	13.668	1089	1092	1094	rVB	24274	32042	1.68%	0.164%

LSC Area Percent Report

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Acq On : 31 May 2015 21:31
Operator : TP/IZ
Sample : G2408-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19D

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

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.794	1100	1103	1105	rBV	20929	33279	1.74%	0.170%
36	13.977	1117	1119	1121	rVV	222296	246507	12.90%	1.260%
37	14.057	1121	1126	1128	rVV2	100926	121346	6.35%	0.620%
38	14.102	1128	1130	1132	rVB	16332	19408	1.02%	0.099%
39	14.251	1141	1143	1146	rBV	208263	256934	13.44%	1.313%
40	14.422	1156	1158	1160	rBV	21850	23444	1.23%	0.120%
41	14.480	1160	1163	1165	rBV	1567610	1911246	100.00%	9.768%
42	14.548	1165	1169	1171	rVV2	14142	23838	1.25%	0.122%
43	14.628	1174	1176	1179	rBV	87058	117590	6.15%	0.601%
44	14.674	1179	1180	1183	rVB	42738	52908	2.77%	0.270%
45	14.765	1185	1188	1189	rBV	38605	56525	2.96%	0.289%
46	14.800	1189	1191	1196	rBV3	39158	65115	3.41%	0.333%
47	14.914	1196	1201	1202	rVV2	20404	32201	1.68%	0.165%
48	14.948	1202	1204	1211	rVB3	14855	32205	1.69%	0.165%
49	15.211	1222	1227	1229	rBV3	10988	28137	1.47%	0.144%
50	15.280	1232	1233	1239	rVB4	13280	38028	1.99%	0.194%
51	15.440	1245	1247	1248	rBV	19840	22563	1.18%	0.115%
52	15.474	1248	1250	1254	rVV2	20444	41506	2.17%	0.212%
53	15.577	1257	1259	1261	rVB3	18189	21949	1.15%	0.112%
54	15.657	1263	1266	1269	rBV	200186	295057	15.44%	1.508%
55	15.748	1271	1274	1276	rVV2	623044	905379	47.37%	4.627%
56	15.817	1279	1280	1282	rVB2	19358	19975	1.05%	0.102%
57	15.874	1282	1285	1287	rBV	19459	26843	1.40%	0.137%
58	15.920	1287	1289	1292	rBV4	10944	27998	1.46%	0.143%
59	16.057	1299	1301	1305	rBV3	22557	43086	2.25%	0.220%
60	16.205	1312	1314	1315	rBV2	13723	21597	1.13%	0.110%
61	16.251	1315	1318	1320	rVV	27396	49967	2.61%	0.255%
62	16.354	1325	1327	1329	rBV2	17836	27623	1.45%	0.141%
63	16.388	1329	1330	1334	rVV3	13055	33255	1.74%	0.170%
64	16.457	1334	1336	1339	rVV2	30619	43871	2.30%	0.224%
65	16.731	1358	1360	1362	rBV2	12689	21743	1.14%	0.111%
66	16.903	1373	1375	1379	rVB	30902	42114	2.20%	0.215%
67	17.017	1382	1385	1390	rBV	102004	231399	12.11%	1.183%
68	17.131	1393	1395	1397	rVB	27911	35782	1.87%	0.183%
69	17.314	1410	1411	1415	rVB	57966	77641	4.06%	0.397%
70	17.383	1415	1417	1420	rVB	98630	119396	6.25%	0.610%
71	17.440	1420	1422	1425	rBV	597175	747509	39.11%	3.820%

LSC Area Percent Report

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Operator : TP/IZ
Sample : G2408-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19D

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
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
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72	18.000	1469	1471	1475	rBV4	31939	47550	2.49%	0.243%
73	18.709	1530	1533	1538	rBV2	47300	105867	5.54%	0.541%

Sum of corrected areas: 19566532

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BNA_F
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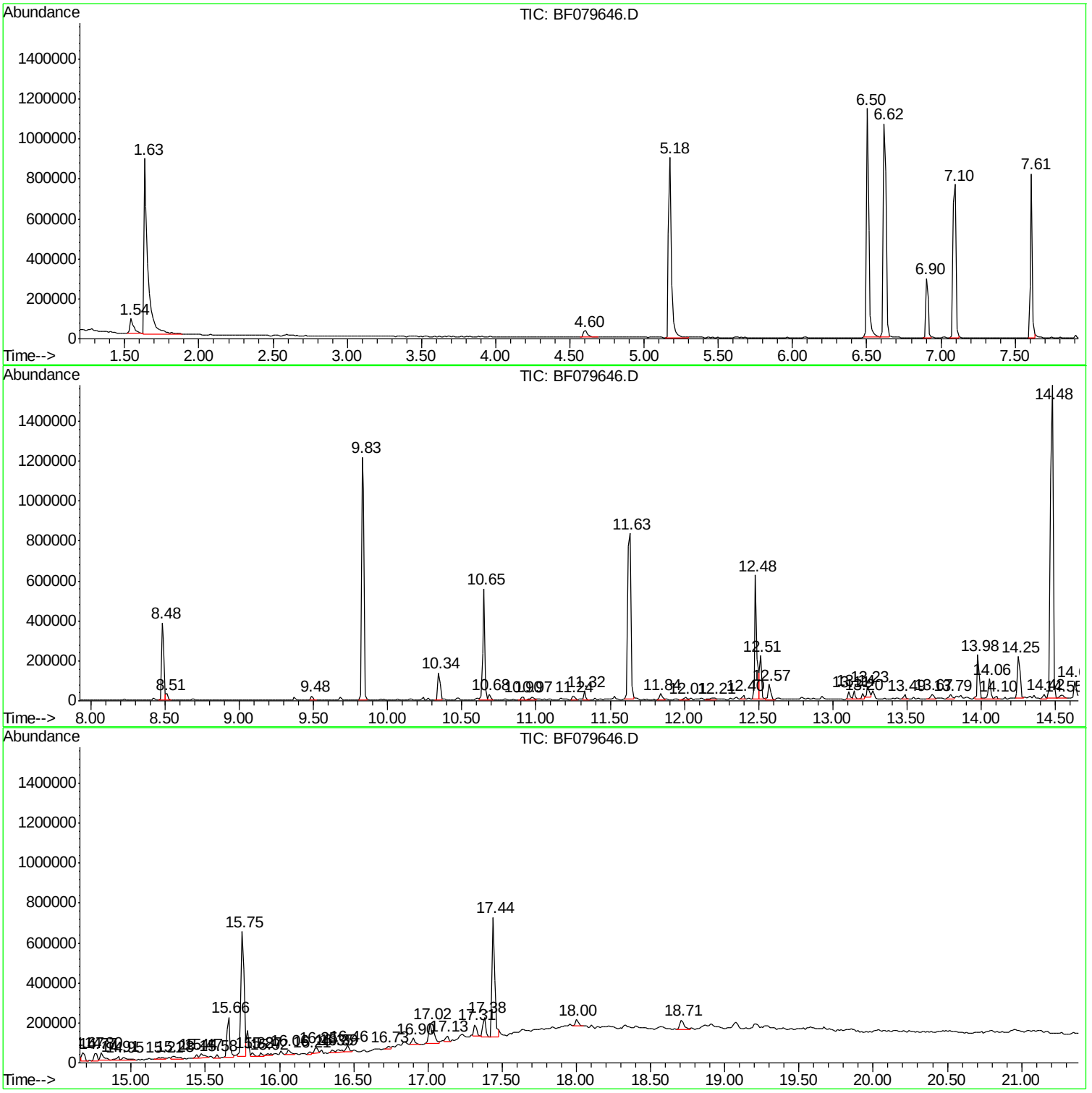
SB-19D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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\BF053115\
Data File : BF079646.D
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Operator : TP/IZ
Sample : G2408-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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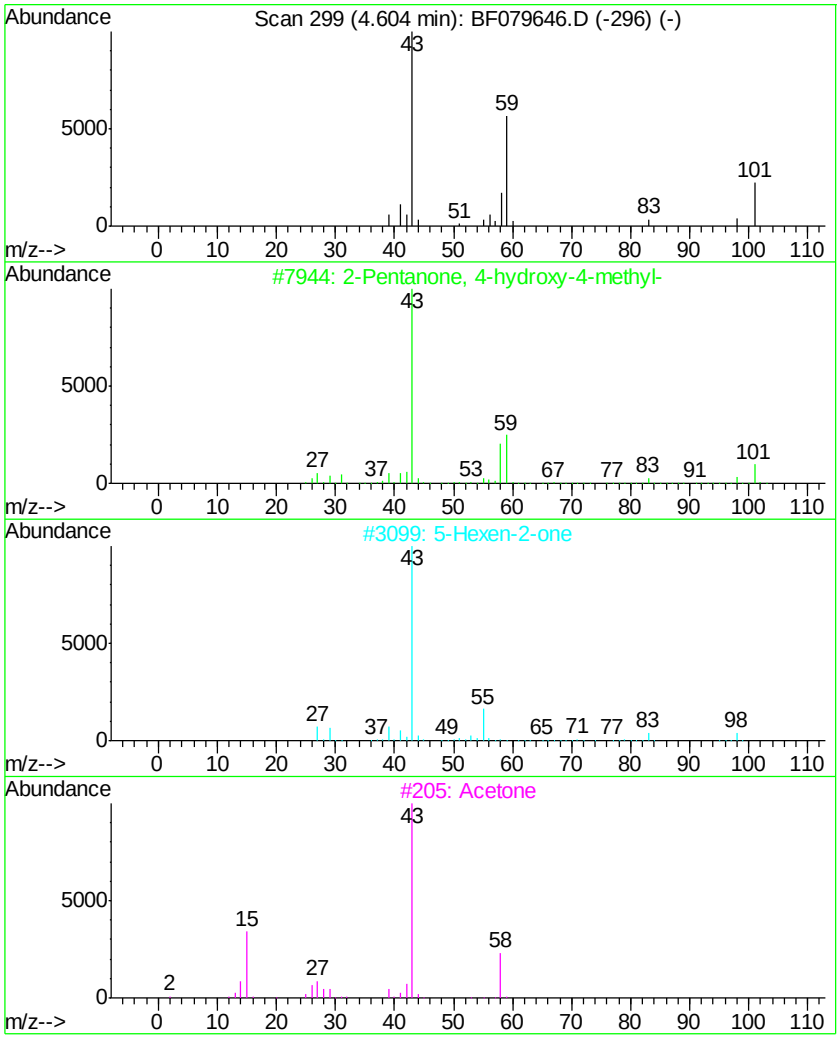
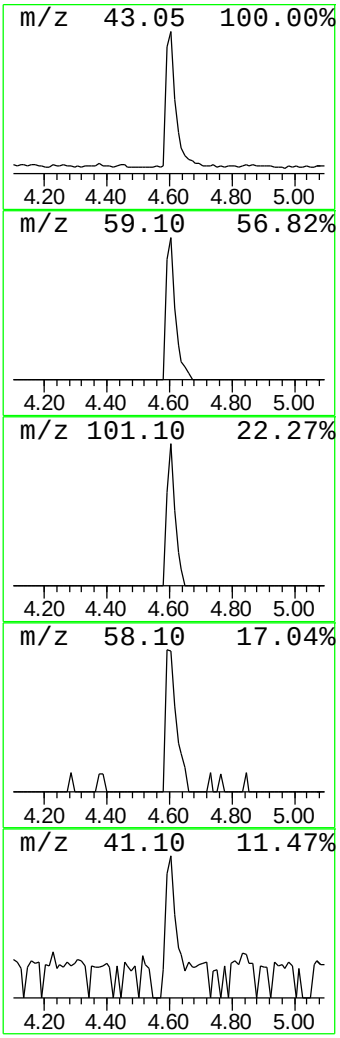
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.60	3.88 ng	68719	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	5-Hexen-2-one	98	C6H10O	000109-49-9	9
3	Acetone	58	C3H6O	000067-64-1	9
4	3-Hexanol	102	C6H14O	000623-37-0	9
5	2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079646.D
Acq On : 31 May 2015 21:31
Operator : TP/IZ
Sample : G2408-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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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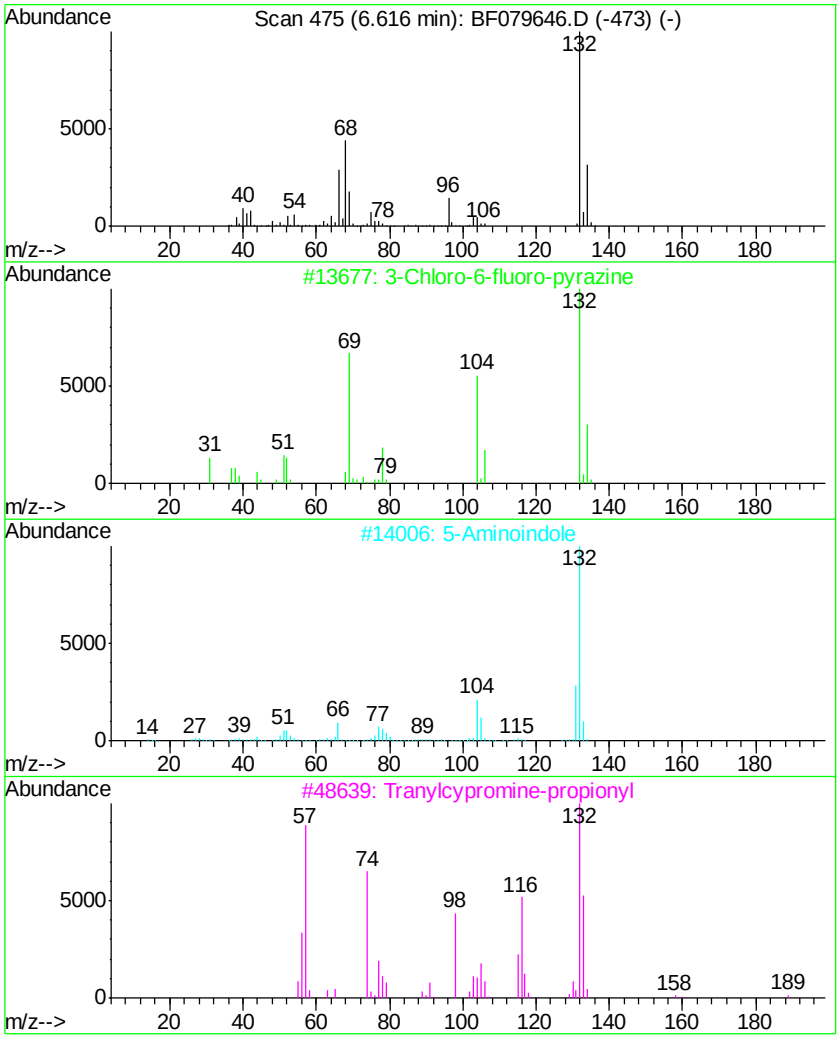
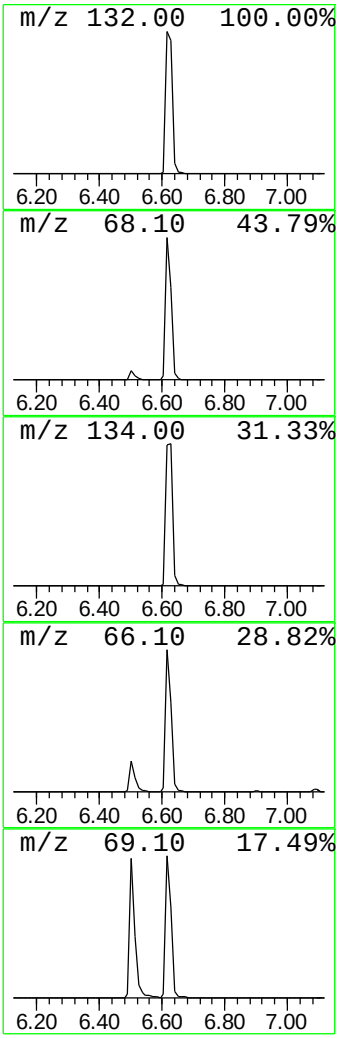
Peak Number 4 unknown6.62 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	77.14 ng	1365470	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

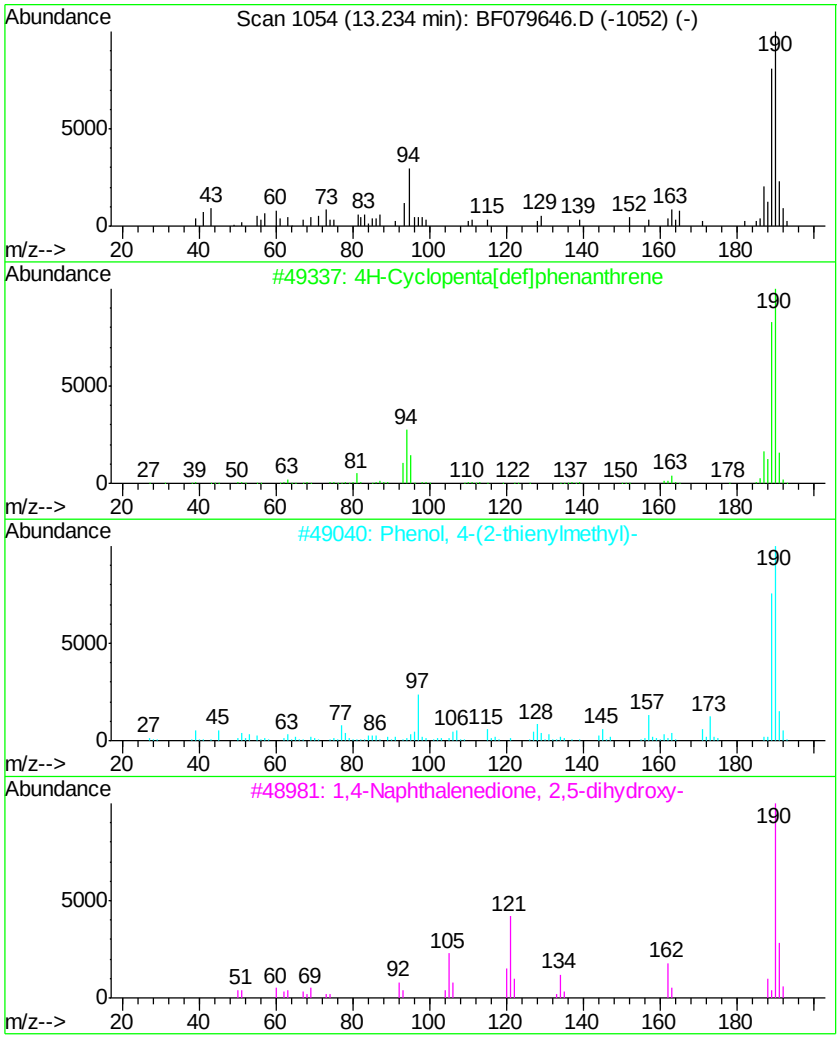
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

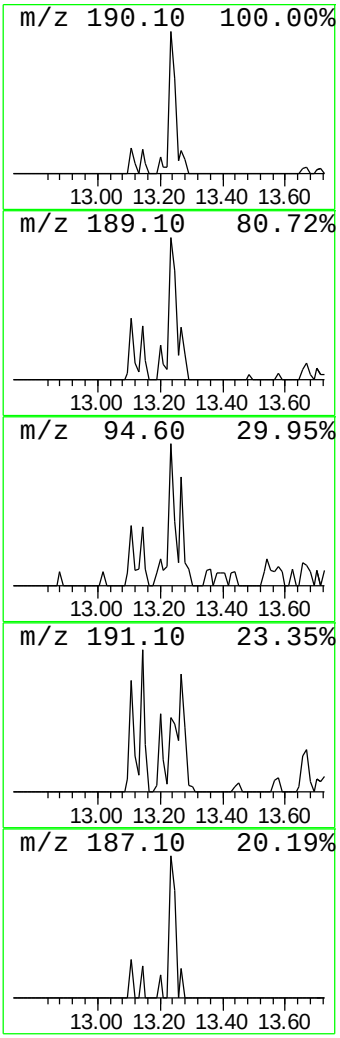
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	2.08 ng	72597	Phenanthrene-d10	12.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	53
3	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	35
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	33
5	4-(4-Chlorophenyl)pyridine	189	C11H8ClN	005957-96-0	27





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Instrument : BNA_F
ClientSampleId : SB-19D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

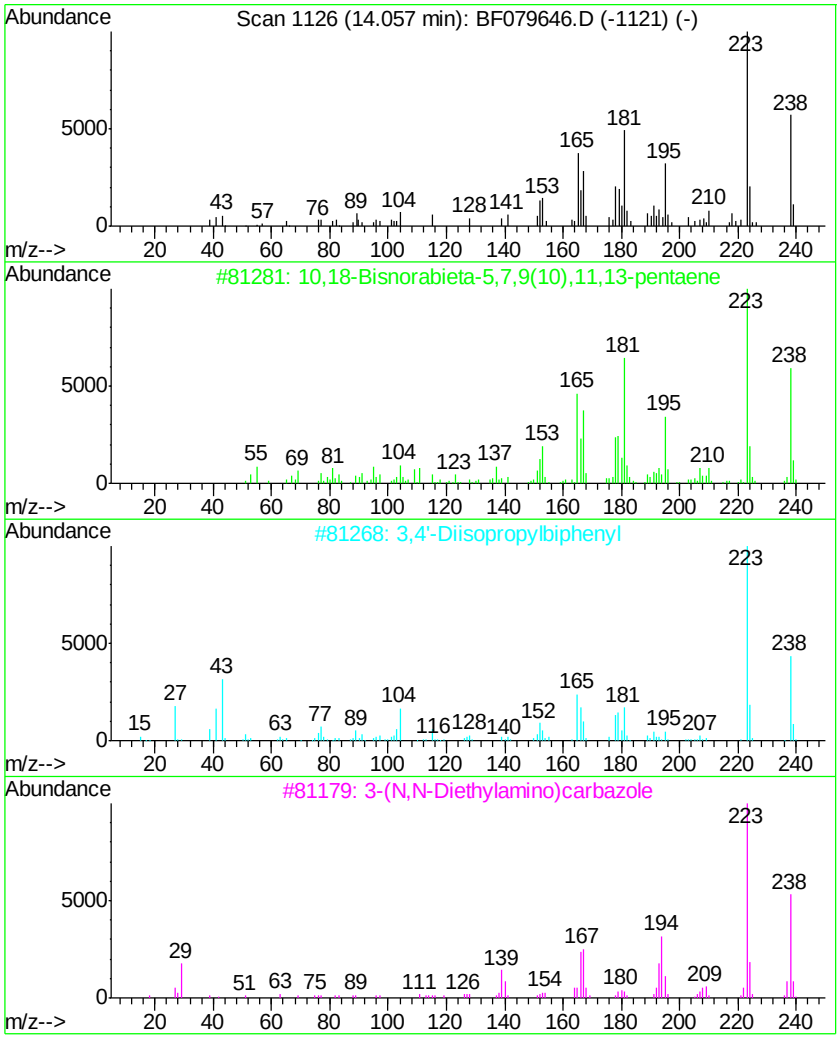
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

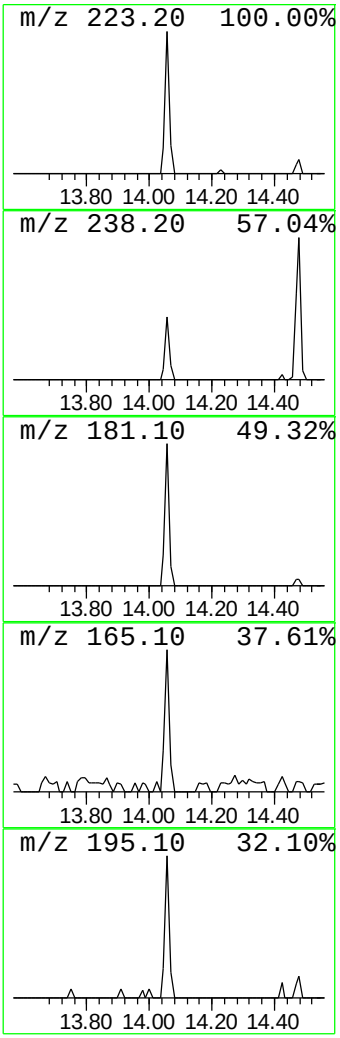
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.06	3.47 ng	121346	Phenanthrene-d10	12.48

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	76
3	3-(N,N-Diethylamino)carbazole	238	C16H18N2	054994-31-9	60
4	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	59
5	Anthracene, 9,10-dimethoxy-	238	C16H14O2	002395-97-3	49





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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

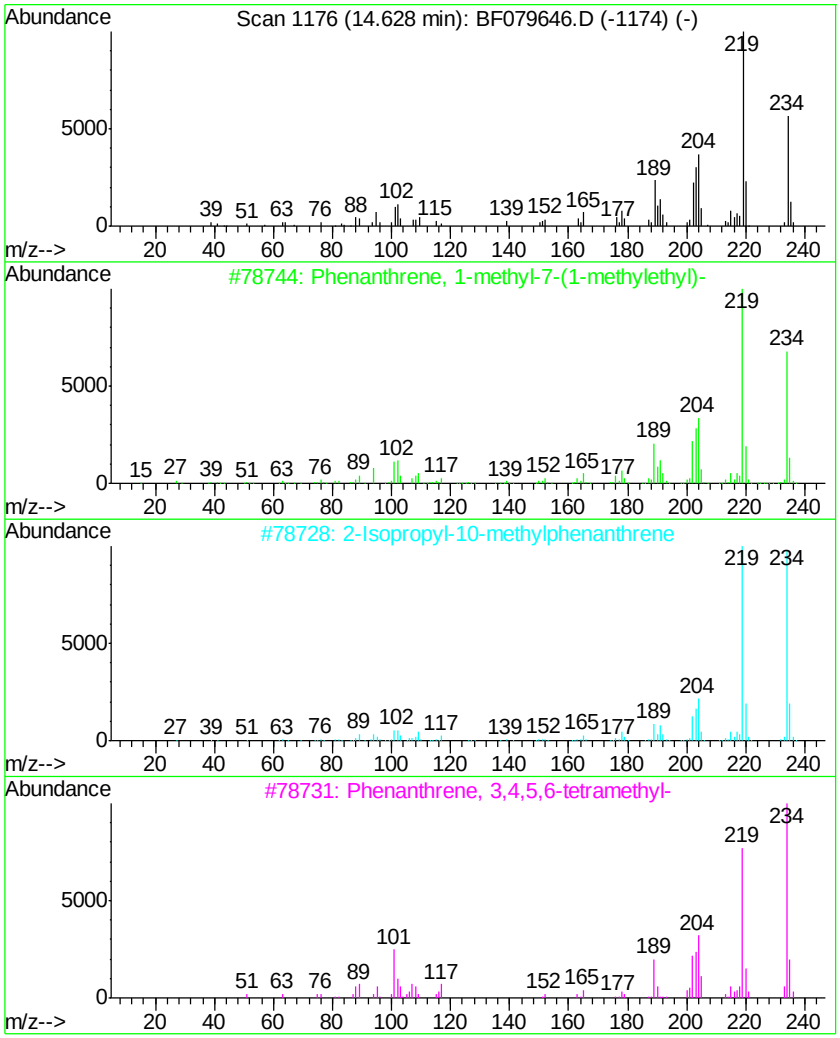
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

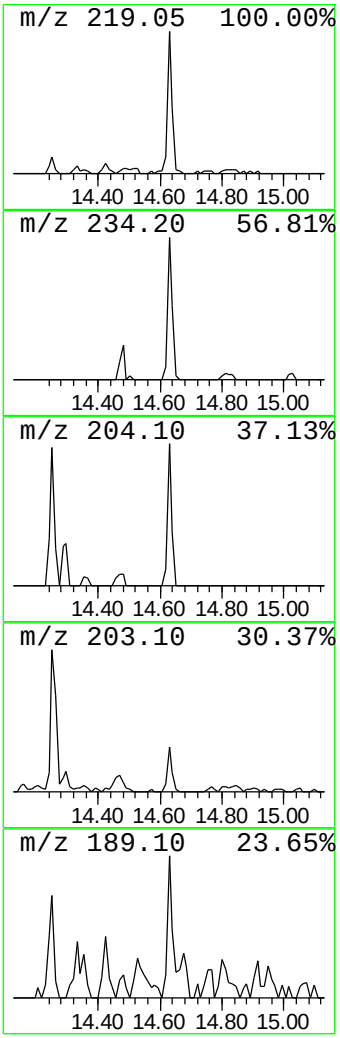
****

Peak Number 8 Phenanthrene, 1-methyl-7-(1... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	2.60 ng	117590	Chrysene-d12	15.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	99
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	94
3	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	90
4	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	89
5	Anthracene, 2-(1,1-dimethylethyl)-	234	C18H18	018801-00-8	53





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Sample : G2408-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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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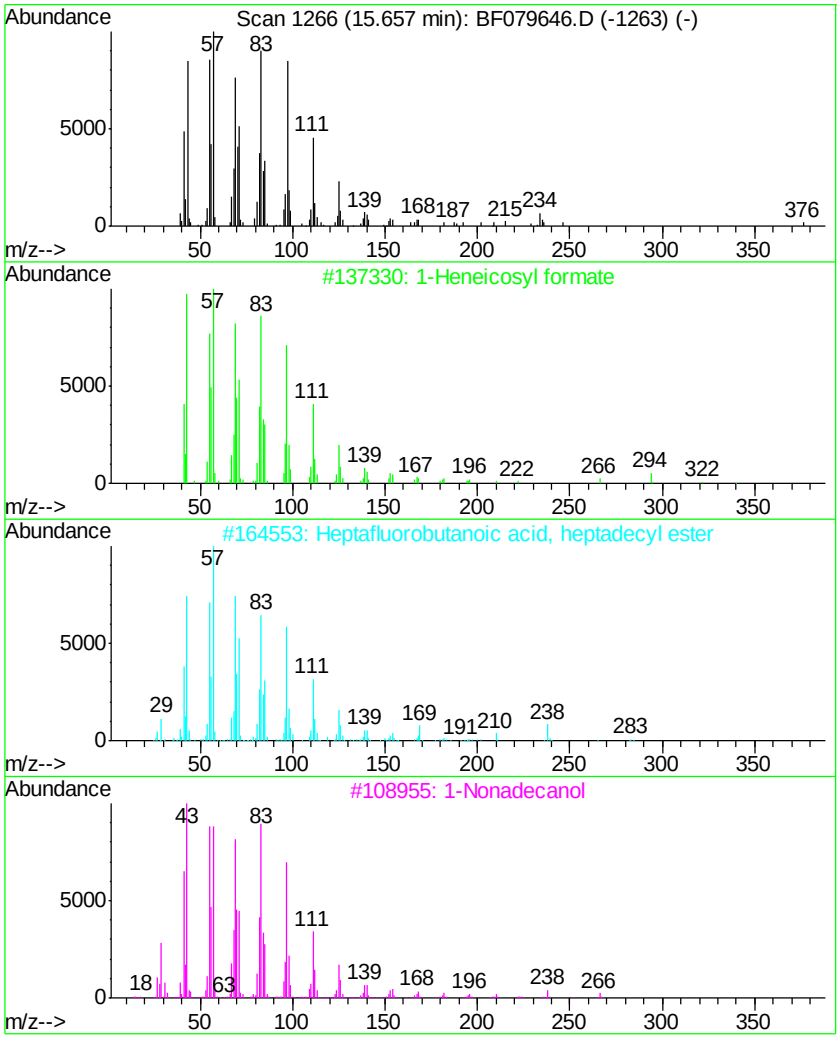
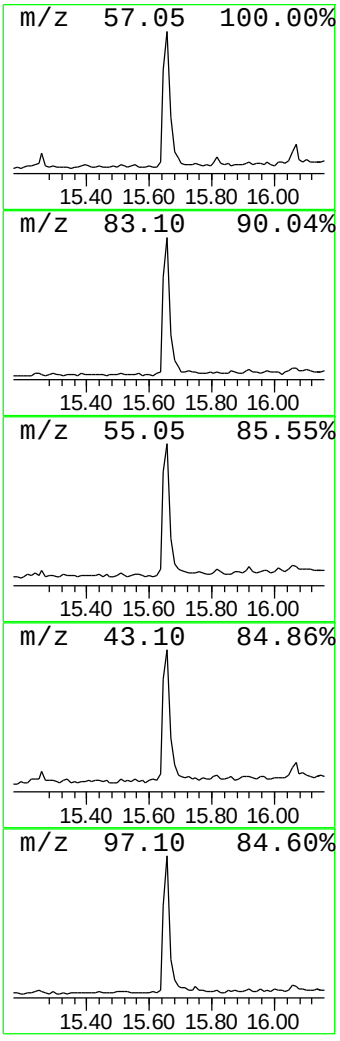
Peak Number 9 1-Heneicosyl formate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	6.52 ng	295057	Chrysene-d12	15.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosyl formate	340	C22H44O2	077899-03-7	95
2	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	94
3	1-Nonadecanol	284	C19H40O	001454-84-8	93
4	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	93
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	91





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Data File : BF079646.D
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Operator : TP/IZ
Sample : G2408-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

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

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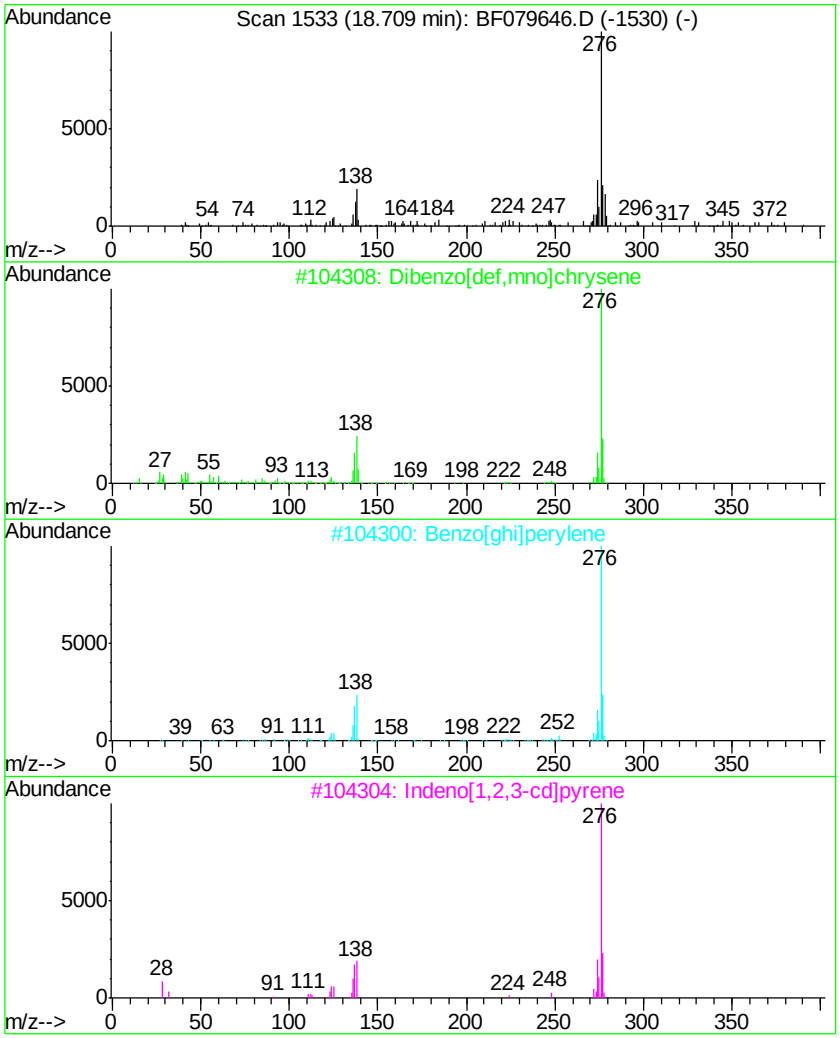
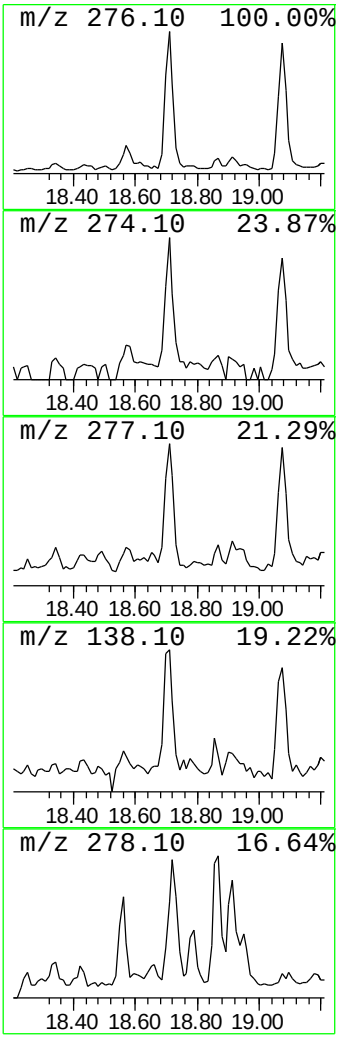
Peak Number 12 Dibenzo[def,mno]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	2.83 ng	105867	Perylene-d12	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	90
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	89
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	81
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	68
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079646.D
Acq On : 31 May 2015 21:31
Operator : TP/IZ
Sample : G2408-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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...	4.60	3.9	ng	68719	1	6.90	354045	20.0
unknown6.62	6.62	77.1	ng	1365470	1	6.90	354045	20.0
4H-Cyclopenta[def...	13.23	2.1	ng	72597	4	12.48	698555	20.0
10,18-Bisnorabiet...	14.06	3.5	ng	121346	4	12.48	698555	20.0
Phenanthrene, 1-m...	14.63	2.6	ng	117590	5	15.75	905379	20.0
1-Heneicosyl formate	15.66	6.5	ng	295057	5	15.75	905379	20.0
Dibenzo[def,mno]c...	18.71	2.8	ng	105867	6	17.44	747509	20.0