LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090152.D
Acq On : 20 Sep 2016 23:49
Operator : UM/SJ
Sample : H4850-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHSW-04-SOUTHSIDE

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-BF092016.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	1.678	6	8	55	rVB	3535822	11786514	100.00%	13.283%
2	4.616	262	265	274	rBV	454034	736197	6.25%	0.830%
3	5.084	303	306	309	rBV	2550465	3168670	26.88%	3.571%
4	6.170	398	401	404	rBV	2293249	3436102	29.15%	3.872%
5	6.284	408	411	414	rVV	3084597	3079386	26.13%	3.470%
6	6.513	429	431	434	rBV	714920	908143	7.70%	1.023%
7	6.673	442	445	448	rBV	2693974	2598352	22.05%	2.928%
8	7.096	479	482	484	rBV	1554247	2167620	18.39%	2.443%
9	7.804	542	544	548	rBV	1405718	1330522	11.29%	1.499%
10	8.890	636	639	641	rBV	3822576	3596473	30.51%	4.053%
11	9.210	665	667	671	rBV2	78216	148341	1.26%	0.167%
12	9.290	671	674	676	rVV	1297129	1129092	9.58%	1.272%
13	9.405	682	684	687	rVB	327770	394199	3.34%	0.444%
14	9.553	694	697	698	rBV	1378604	1317503	11.18%	1.485%
15	9.576	698	699	702	rVB	204772	224137	1.90%	0.253%
16	9.748	712	714	717	rBV2	156586	222596	1.89%	0.251%
17	10.090	742	744	746	rBV	401723	320282	2.72%	0.361%
18	10.250	757	758	762	rVB2	156087	154427	1.31%	0.174%
19	10.330	762	765	768	rVV	1509389	1619844	13.74%	1.826%
20	10.479	774	778	781	rVB2	62543	124784	1.06%	0.141%
21	10.639	789	792	796	rBV2	84073	179507	1.52%	0.202%
22	10.788	801	805	807	rBV2	86322	184821	1.57%	0.208%
23	10.822	807	808	811	rVB	109782	153396	1.30%	0.173%
24	10.913	814	816	818	rVB2	195091	216131	1.83%	0.244%
25	11.051	823	828	829	rBV2	2512224	3837836	32.56%	4.325%
26	11.096	829	832	834	rVV	858625	920503	7.81%	1.037%
27	11.256	842	846	847	rBV2	249406	330605	2.80%	0.373%
28	11.348	853	854	857	rVB2	145651	135893	1.15%	0.153%
29	11.519	866	869	870	rBV	457242	436648	3.70%	0.492%
30	11.542	870	871	873	rVV	469839	473428	4.02%	0.534%
31	11.588	873	875	877	rVV	214525	270804	2.30%	0.305%
32	11.622	877	878	883	rVB	657901	996006	8.45%	1.122%
33	11.725	883	887	888	rBV3	53469	122696	1.04%	0.138%
34	11.816	892	895	899	rVB2	320461	513170	4.35%	0.578%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090152.D
Acq On : 20 Sep 2016 23:49
Operator : UM/SJ
Sample : H4850-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHSW-04-SOUTHSIDE

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-BF092016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.965	905	908	909	rBV2	83212	120631	1.02%	0.136%
36	12.068	914	917	918	rBV	249510	325532	2.76%	0.367%
37	12.102	918	920	921	rVV	162807	224729	1.91%	0.253%
38	12.148	921	924	928	rVB3	268213	409138	3.47%	0.461%
39	12.228	928	931	933	rBV	3421335	3859489	32.74%	4.350%
40	12.285	933	936	937	rVV	107834	168066	1.43%	0.189%
41	12.308	937	938	940	rVB	161172	174328	1.48%	0.196%
42	12.365	940	943	947	rBV2	289777	431396	3.66%	0.486%
43	12.445	947	950	953	rVV2	2576367	4166794	35.35%	4.696%
44	12.491	953	954	959	rVB2	178940	290846	2.47%	0.328%
45	12.571	959	961	962	rBV	218699	299579	2.54%	0.338%
46	12.605	962	964	966	rVV	2309438	2336391	19.82%	2.633%
47	12.674	966	970	971	rVV2	268035	465234	3.95%	0.524%
48	12.776	973	979	980	rBV2	609784	999329	8.48%	1.126%
49	12.845	983	985	986	rBV	269471	389652	3.31%	0.439%
50	12.868	986	987	991	rVV	369284	588554	4.99%	0.663%
51	12.959	994	995	997	rVV	222324	222227	1.89%	0.250%
52	12.994	997	998	1000	rVV	238543	224726	1.91%	0.253%
53	13.074	1003	1005	1010	rVB5	84531	188117	1.60%	0.212%
54	13.188	1010	1015	1019	rBV4	152308	549969	4.67%	0.620%
55	13.268	1019	1022	1025	rBV2	269534	507677	4.31%	0.572%
56	13.382	1030	1032	1033	rBV	476006	520326	4.41%	0.586%
57	13.428	1033	1036	1039	rVV3	261100	655522	5.56%	0.739%
58	13.485	1039	1041	1042	rVB	347233	305363	2.59%	0.344%
59	13.519	1042	1044	1049	rVB3	187132	347087	2.94%	0.391%
60	13.634	1050	1054	1055	rBV	2078161	3479597	29.52%	3.921%
61	13.668	1055	1057	1060	rVB	1840256	2251859	19.11%	2.538%
62	13.736	1060	1063	1064	rBV2	302654	294598	2.50%	0.332%
63	13.771	1064	1066	1069	rBV2	109692	202222	1.72%	0.228%
64	13.839	1069	1072	1073	rBV3	148625	220292	1.87%	0.248%
65	13.977	1080	1084	1086	rBV3	122672	365398	3.10%	0.412%
66	14.022	1086	1088	1089	rVV	436739	553245	4.69%	0.623%
67	14.057	1089	1091	1093	rVV2	208788	342934	2.91%	0.386%
68	14.114	1093	1096	1097	rVV3	207369	373874	3.17%	0.421%
69	14.148	1097	1099	1104	rVV3	289825	743901	6.31%	0.838%
70	14.217	1104	1105	1108	rVB2	151663	133468	1.13%	0.150%
71	14.319	1112	1114	1115	rBV	150089	210183	1.78%	0.237%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090152.D
Acq On : 20 Sep 2016 23:49
Operator : UM/SJ
Sample : H4850-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHSW-04-SOUTHSIDE

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-BF092016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.479	1126	1128	1132	rVB4	119264	270891	2.30%	0.305%
73	14.628	1138	1141	1145	rBV	1688513	3501563	29.71%	3.946%
74	14.708	1145	1148	1149	rVV2	435582	575487	4.88%	0.649%
75	14.742	1149	1151	1153	rVB	144136	209863	1.78%	0.237%
76	14.868	1159	1162	1164	rVB	899775	1163102	9.87%	1.311%
77	14.914	1164	1166	1169	rVB	1218972	1530546	12.99%	1.725%
78	14.959	1169	1170	1172	rBV	407186	748558	6.35%	0.844%
79	15.188	1189	1190	1194	rBV3	96646	162228	1.38%	0.183%
80	15.382	1205	1207	1208	rBV2	107615	136932	1.16%	0.154%
81	15.417	1208	1210	1213	rVB	145370	219341	1.86%	0.247%
82	15.782	1240	1242	1245	rBV4	68950	132200	1.12%	0.149%
83	15.874	1248	1250	1256	rVB4	124652	315298	2.68%	0.355%
84	16.000	1257	1261	1268	rBV3	169247	514962	4.37%	0.580%
85	16.137	1269	1273	1276	rBV2	607712	1115371	9.46%	1.257%
86	16.274	1282	1285	1287	rBV	127565	213202	1.81%	0.240%
87	16.320	1287	1289	1291	rVV	113882	181050	1.54%	0.204%
88	16.480	1299	1303	1310	rVB	545046	1093610	9.28%	1.232%
89	16.663	1316	1319	1326	rVB2	163801	349385	2.96%	0.394%
90	18.240	1452	1457	1463	rVB	149979	516577	4.38%	0.582%
91	18.377	1465	1469	1472	rBV	89420	282168	2.39%	0.318%
92	19.166	1536	1538	1547	rVB2	100947	323652	2.75%	0.365%

Sum of corrected areas: 88732887

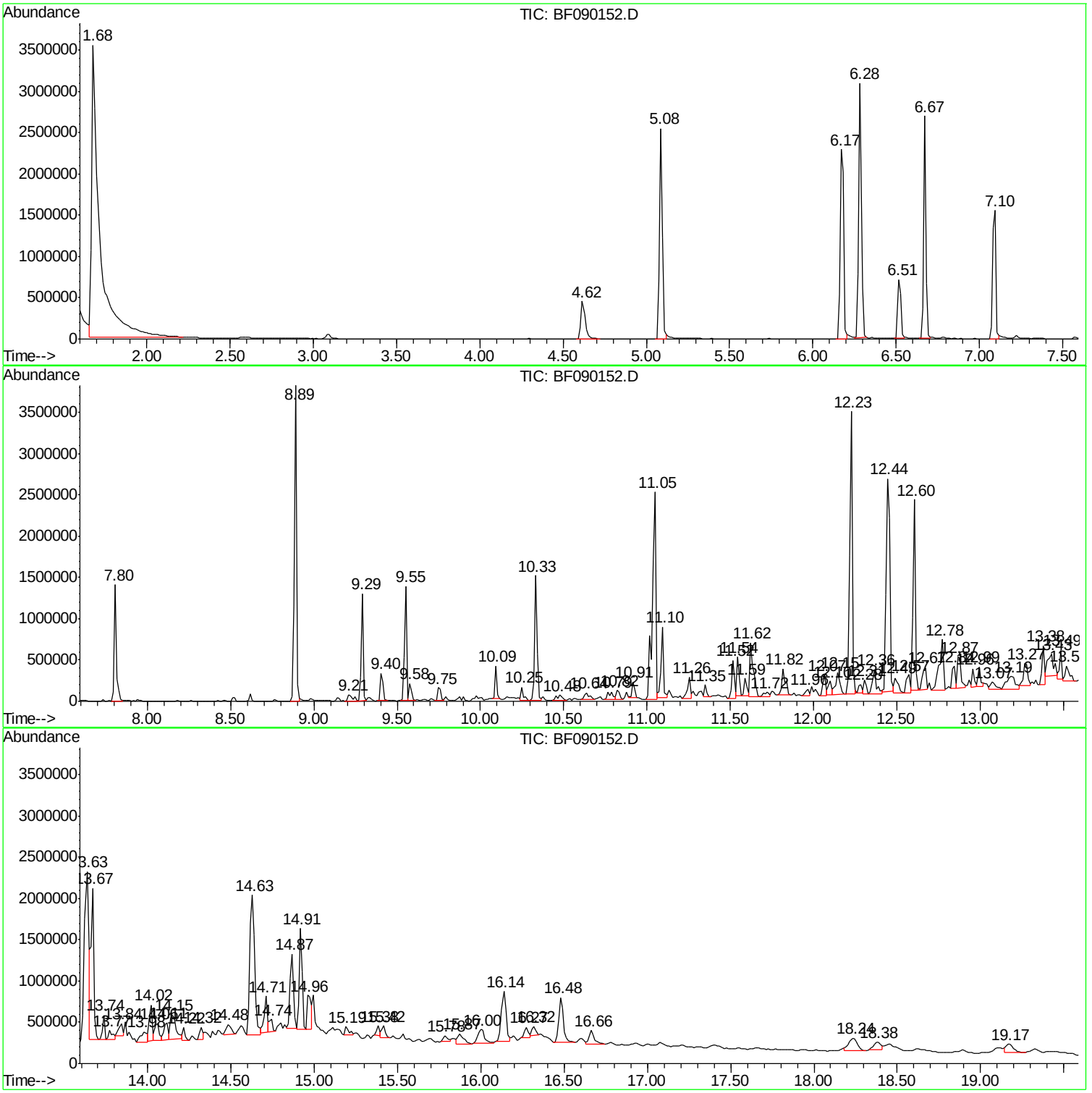
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090152.D
Acq On : 20 Sep 2016 23:49
Operator : UM/SJ
Sample : H4850-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FHSW-04-SOUTHSIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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\BF092016\
Data File : BF090152.D
Acq On : 20 Sep 2016 23:49
Operator : UM/SJ
Sample : H4850-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHSW-04-SOUTHSIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

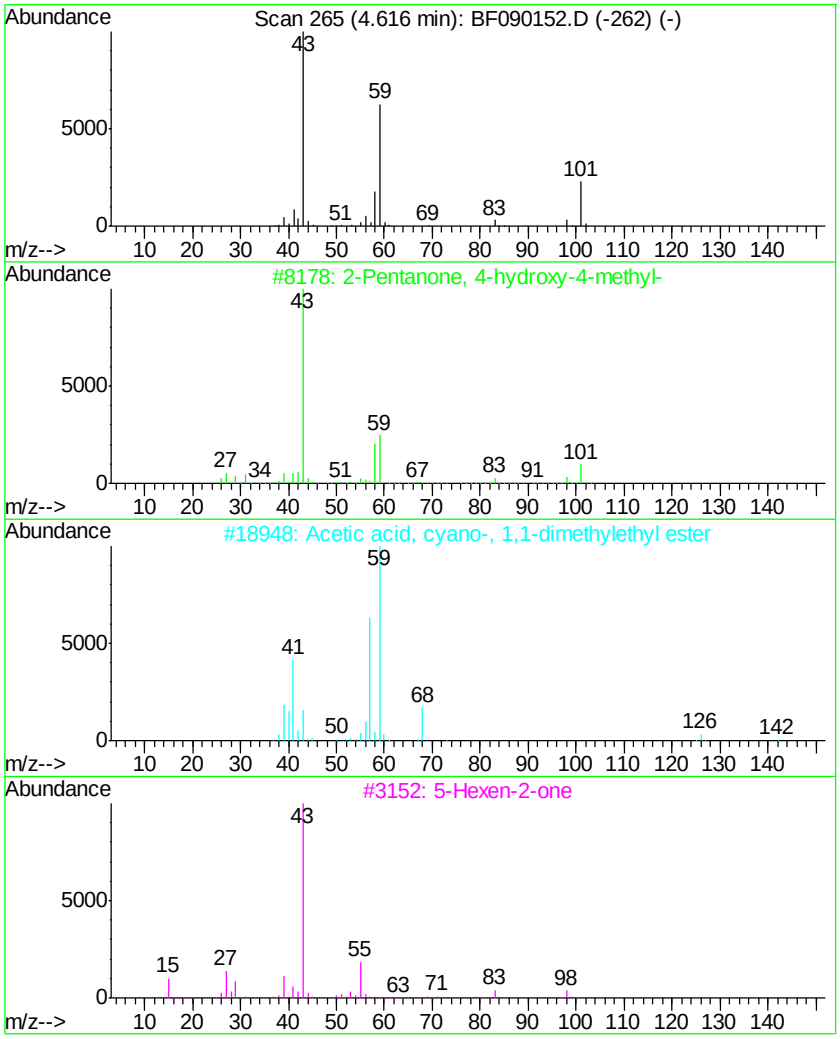
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

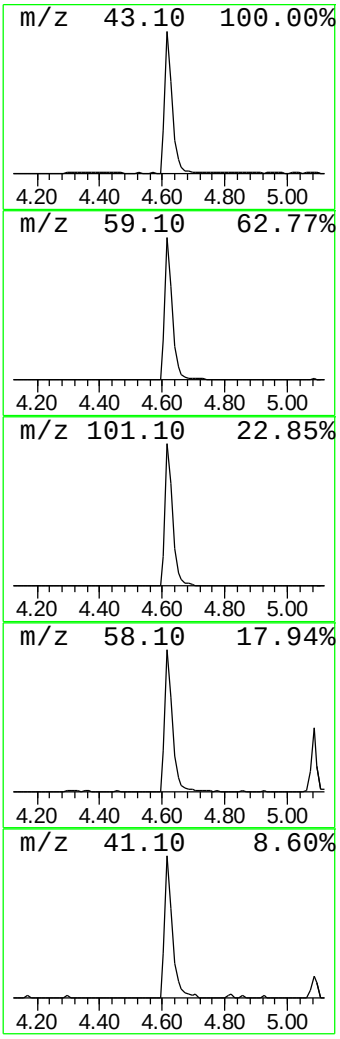
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.62	16.21 ng	736197	1,4-Dichlorobenzene-d4	6.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Acetone	58	C3H6O	000067-64-1	9
5	Guanidine	59	CH5N3	000113-00-8	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090152.D
Acq On : 20 Sep 2016 23:49
Operator : UM/SJ
Sample : H4850-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHSW-04-SOUTHSIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

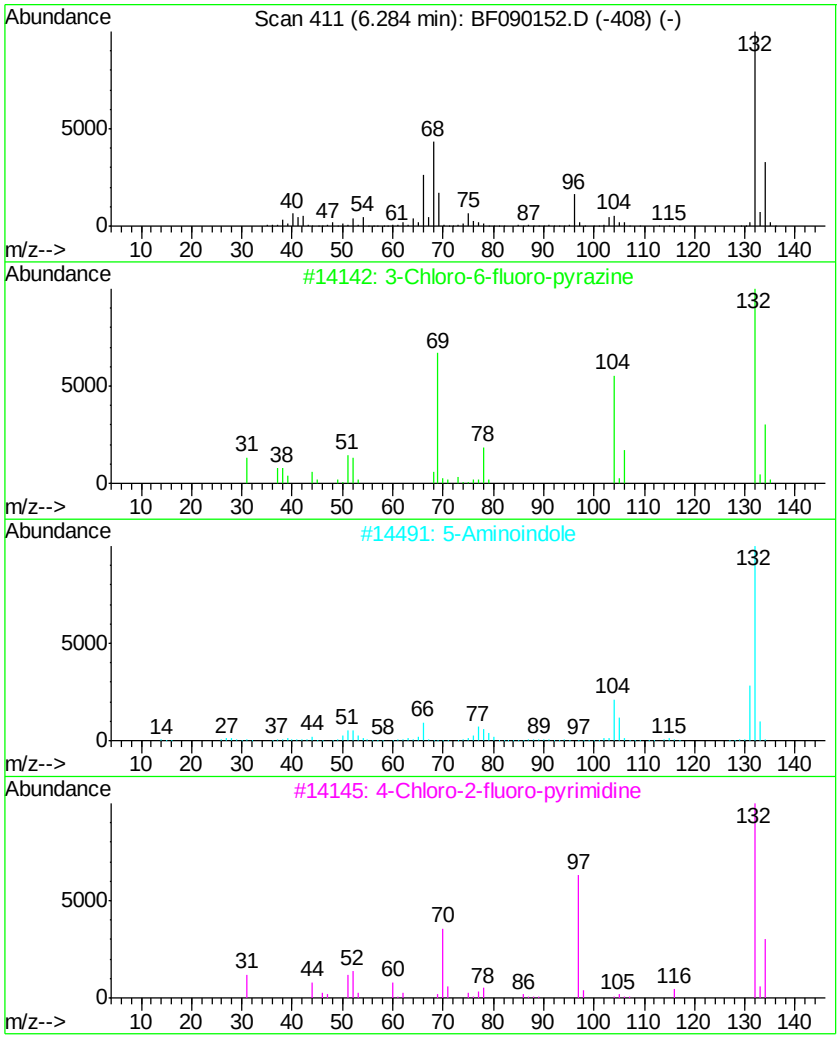
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

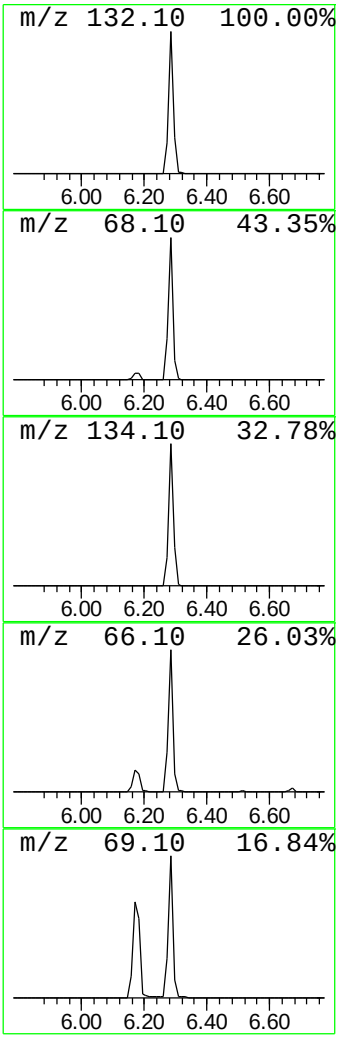
****

Peak Number 3 unknown6.28 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.28	67.82 ng	3079390	1,4-Dichlorobenzene-d4	6.51

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	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090152.D
Acq On : 20 Sep 2016 23:49
Operator : UM/SJ
Sample : H4850-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHSW-04-SOUTHSIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

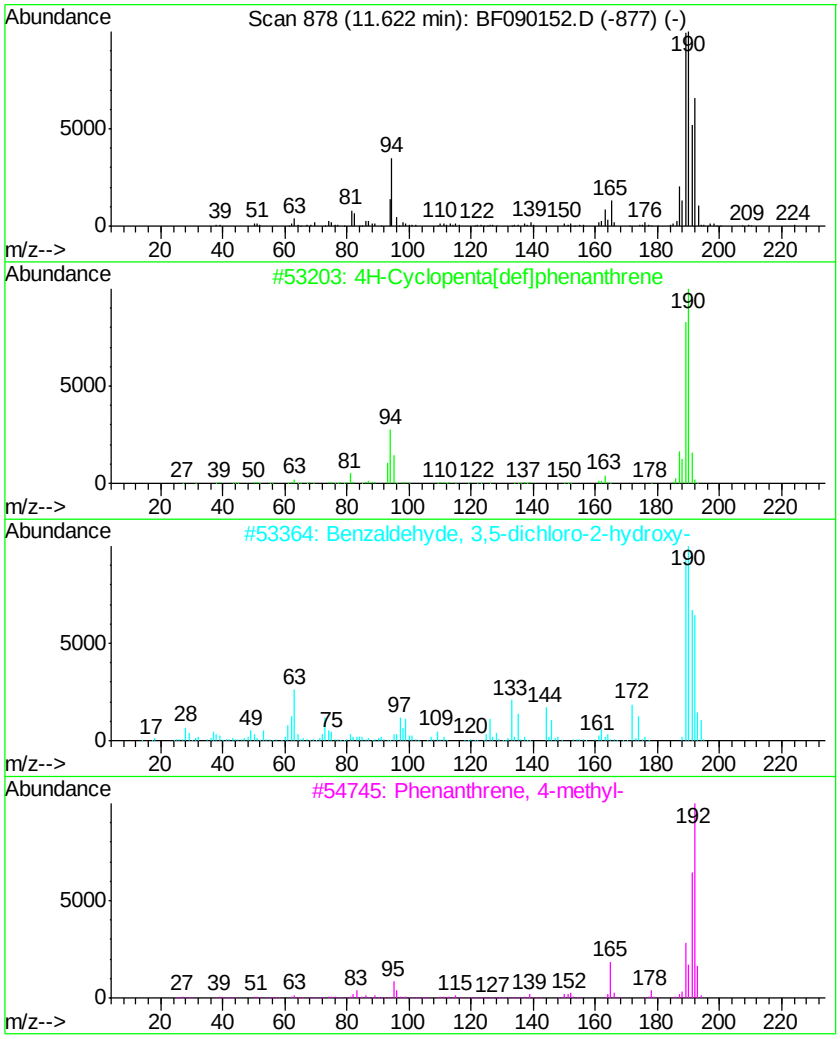
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

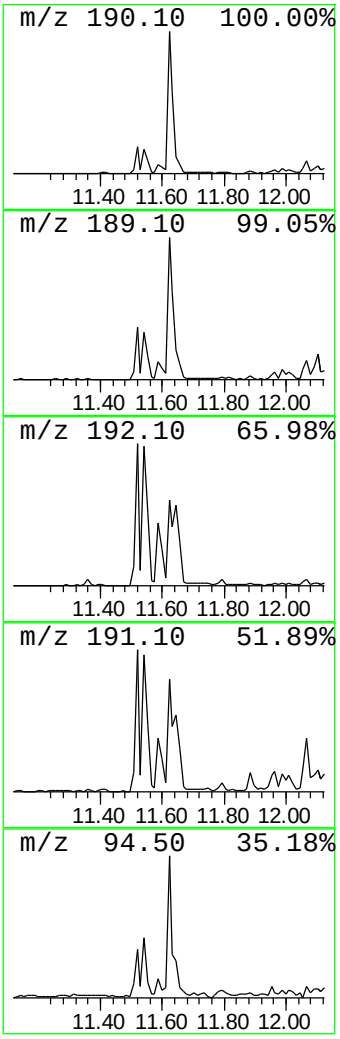
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	5.19 ng	996006	Phenanthrene-d10	11.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090152.D
Acq On : 20 Sep 2016 23:49
Operator : UM/SJ
Sample : H4850-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FHSW-04-SOUTHSIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

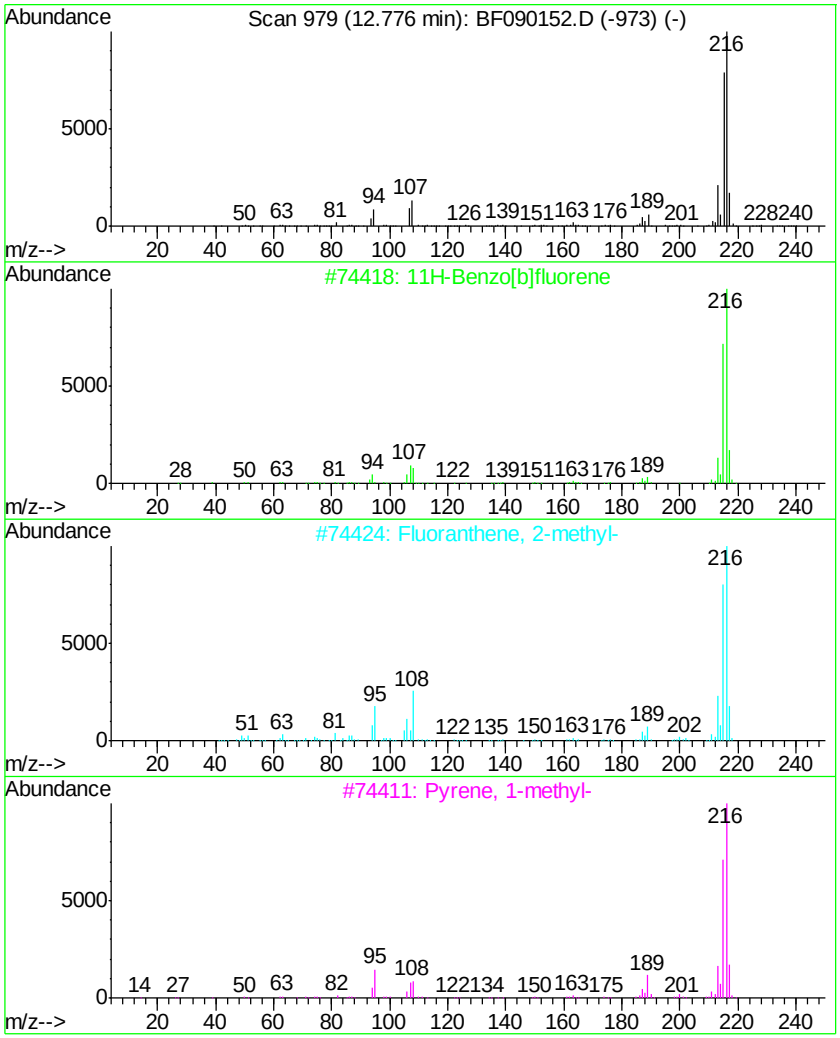
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

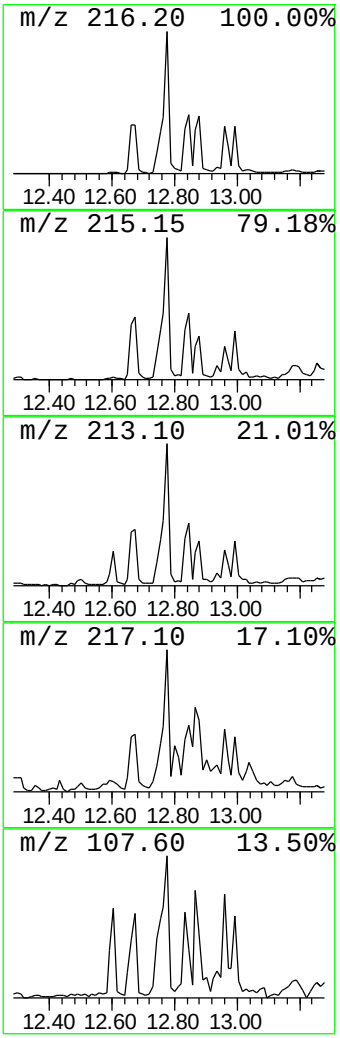
****

Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	5.74 ng	999329	Chrysene-d12	13.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090152.D
Acq On : 20 Sep 2016 23:49
Operator : UM/SJ
Sample : H4850-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHSW-04-SOUTHSIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

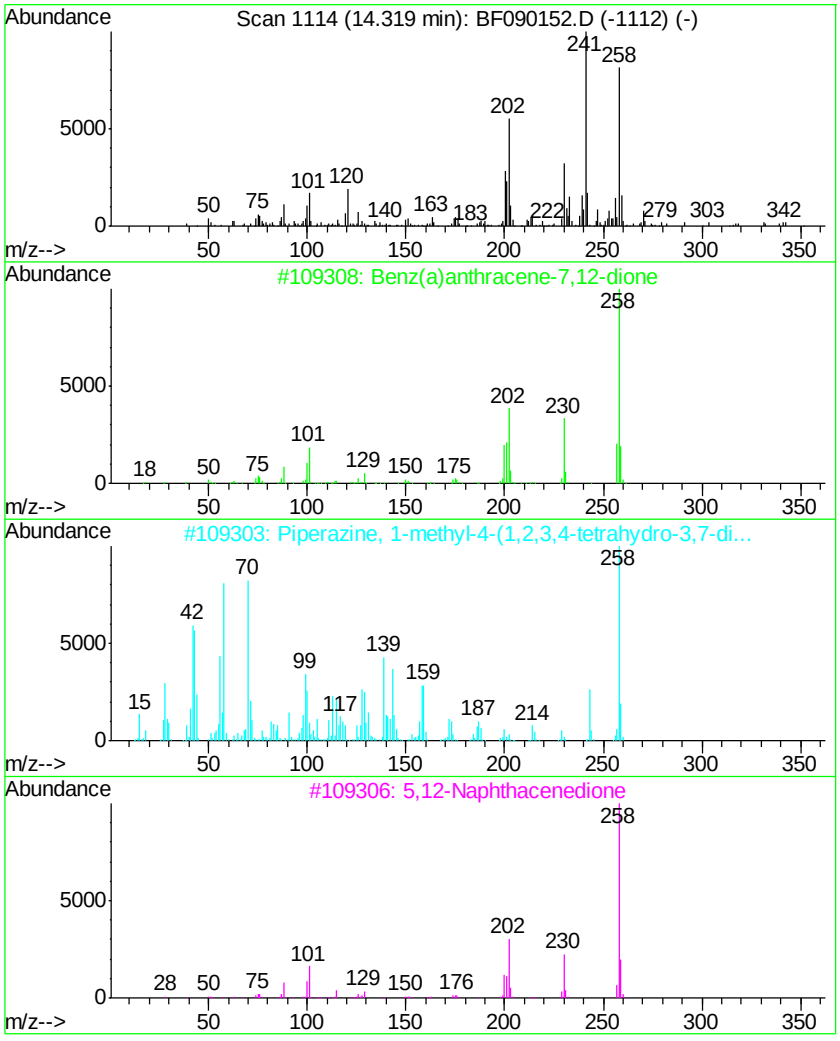
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

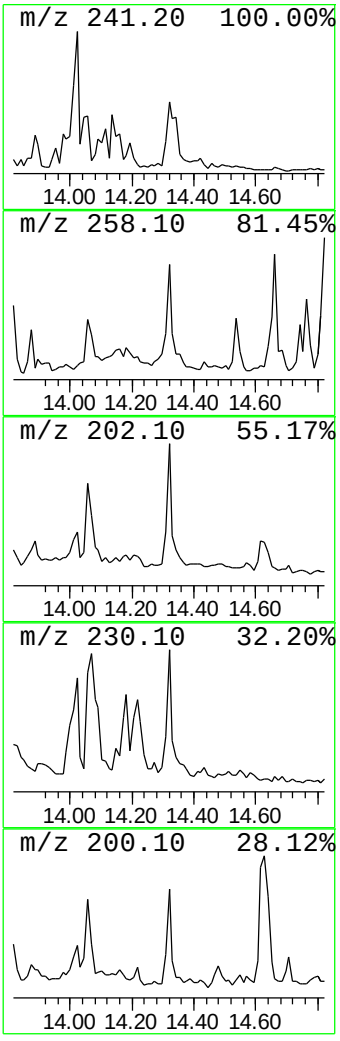
****

Peak Number 7 Benz(a)anthracene-7,12-dione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	5.62 ng	210183	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	91
2	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	91
3	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	87
4	2,4-di(Trifluoromethyl)benzoic acid	258	C9H4F6O2	032890-87-2	43
5	1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	30





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090152.D
Acq On : 20 Sep 2016 23:49
Operator : UM/SJ
Sample : H4850-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHSW-04-SOUTHSIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

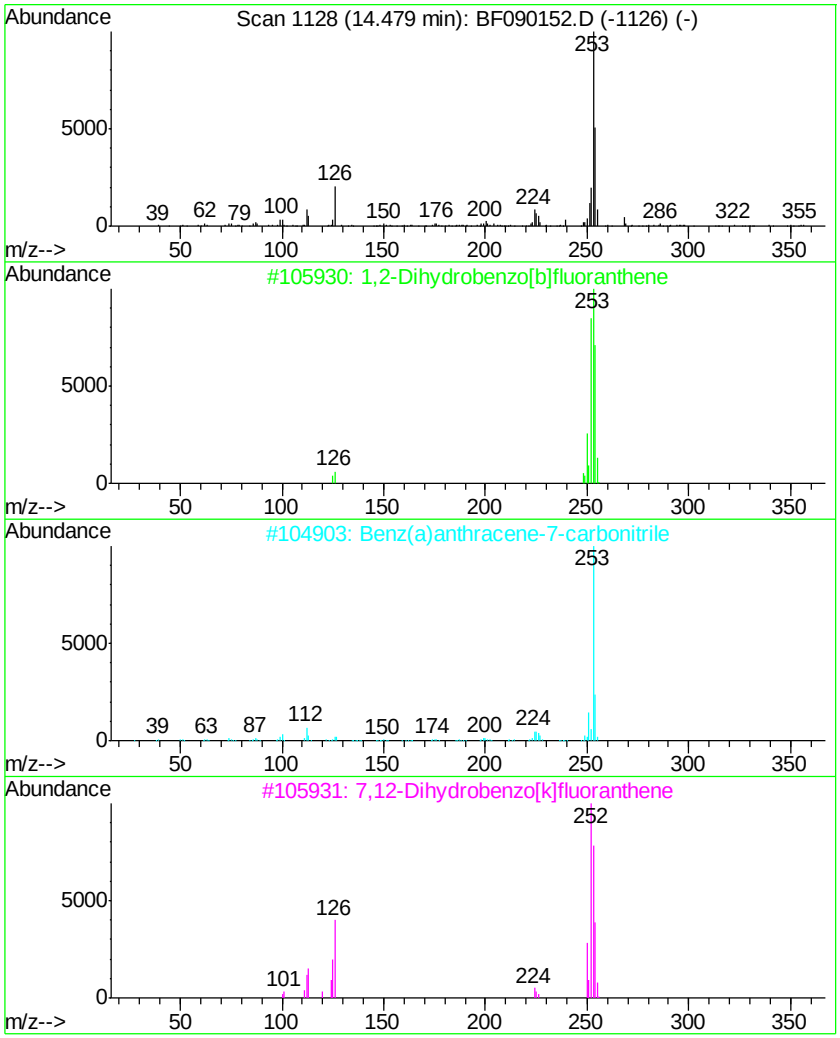
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

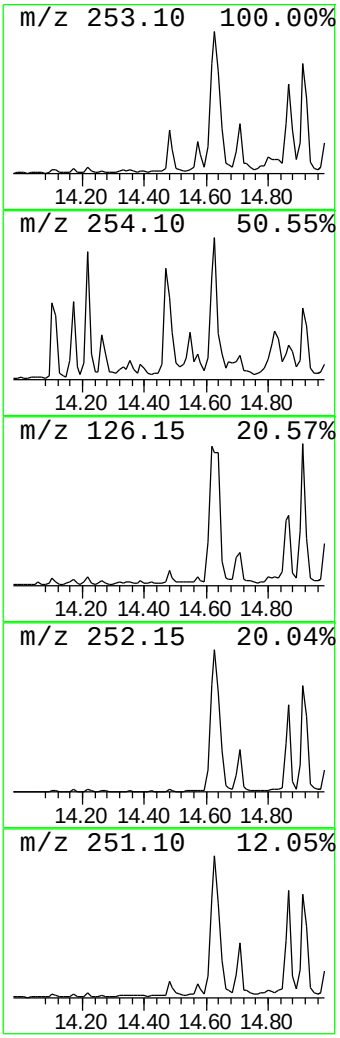
****

Peak Number 8 1,2-Dihydrobenzo[b]fluorant... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	7.24 ng	270891	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	64
2	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	60
3	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	53
4	1H-Pyrrolo[2,3-f]quinolin-9-ol, ...	254	C16H18N2O	1000303-71-9	50
5	Propanephosphonic acid, bis(trim...	268	C9H25O3PSi2	1000193-07-4	47





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090152.D
Acq On : 20 Sep 2016 23:49
Operator : UM/SJ
Sample : H4850-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHSW-04-SOUTHSIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

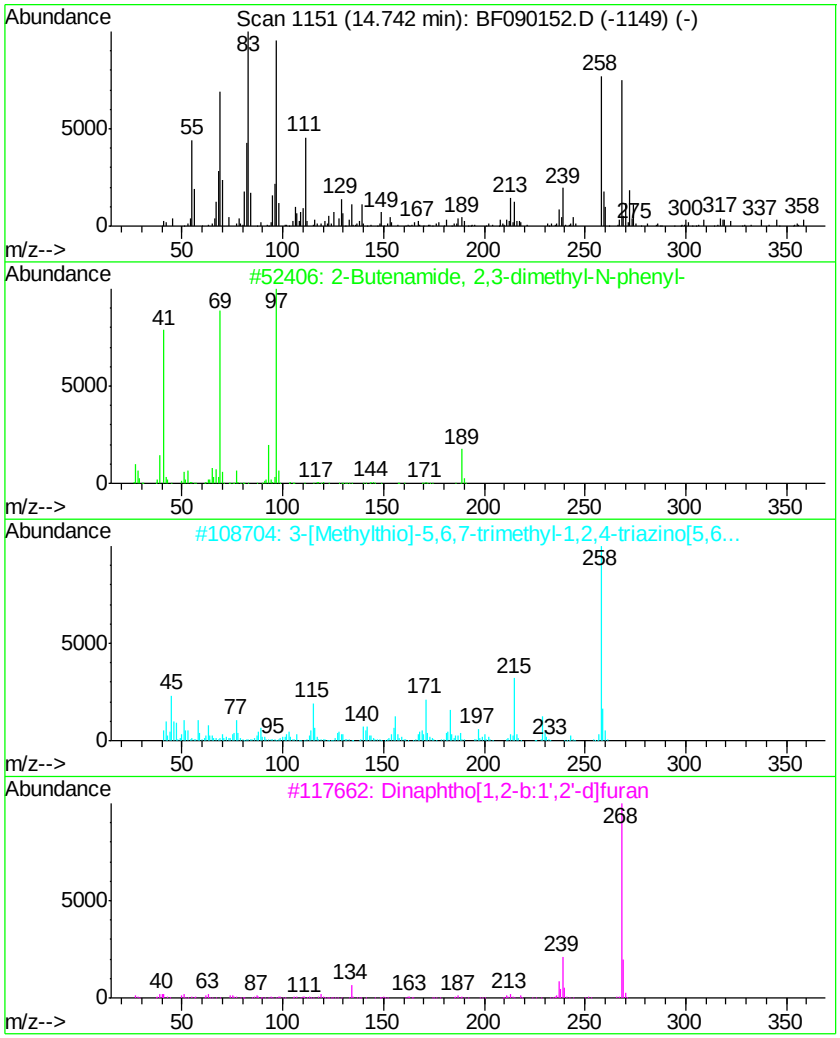
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

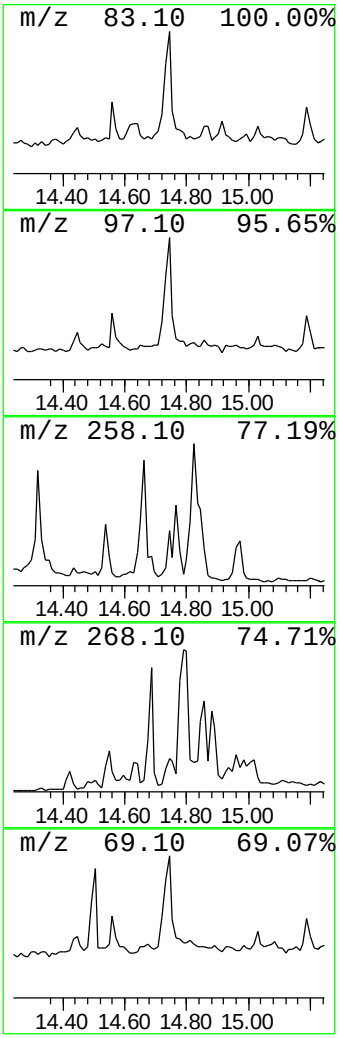
****

Peak Number 10 unknown14.74 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	5.61 ng	209863	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenamide, 2,3-dimethyl-N-phe...	189	C12H15NO	024735-54-4	11
2	3-[Methylthio]-5,6,7-trimethyl-1...	258	C13H14N4S	076273-38-6	11
3	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	11
4	9H-Xanthen-9-one, 1,3,6-trihydro...	258	C14H10O5	020716-98-7	11
5	2-(1-Methyl-1H-indol-3-yl)quinoline	258	C18H14N2	1000326-83-7	10





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090152.D
Acq On : 20 Sep 2016 23:49
Operator : UM/SJ
Sample : H4850-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHSW-04-SOUTHSIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

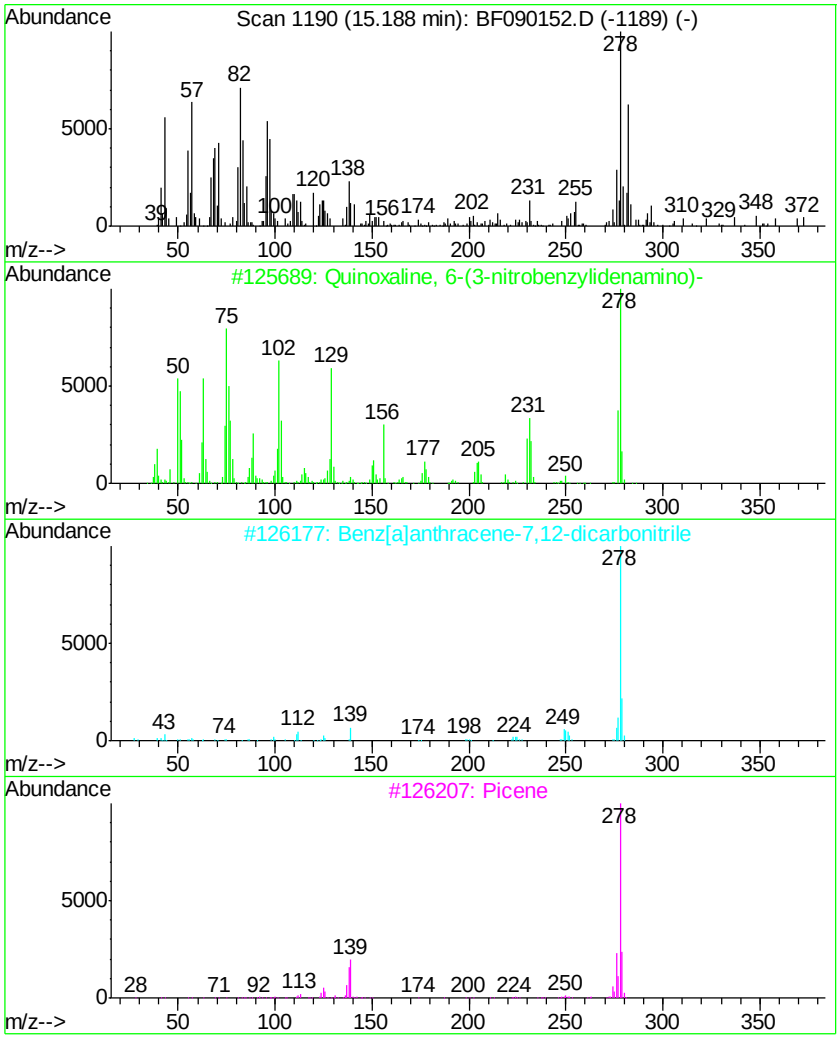
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

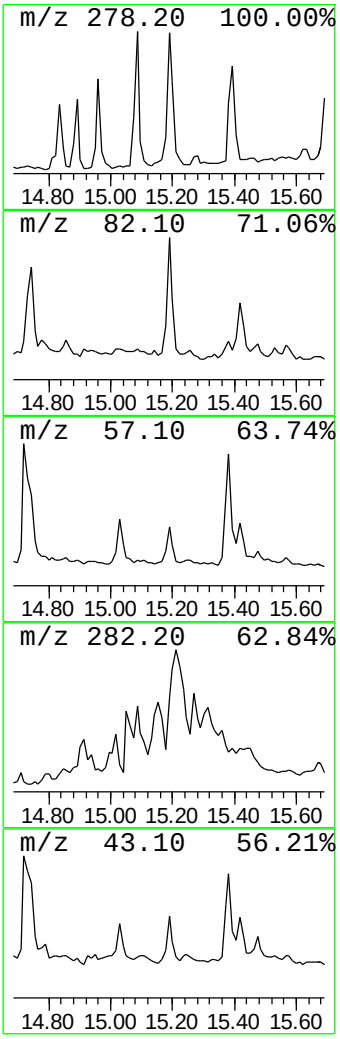
****

Peak Number 11 Quinoxaline, 6-(3-nitrobenz... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	4.33 ng	162228	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoxaline, 6-(3-nitrobenzylide...	278	C15H10N4O2	302800-55-1	60
2	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	42
3	Picene	278	C22H14	000213-46-7	38
4	Pentacene	278	C22H14	000135-48-8	30
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	27





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090152.D
Acq On : 20 Sep 2016 23:49
Operator : UM/SJ
Sample : H4850-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHSW-04-SOUTHSIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

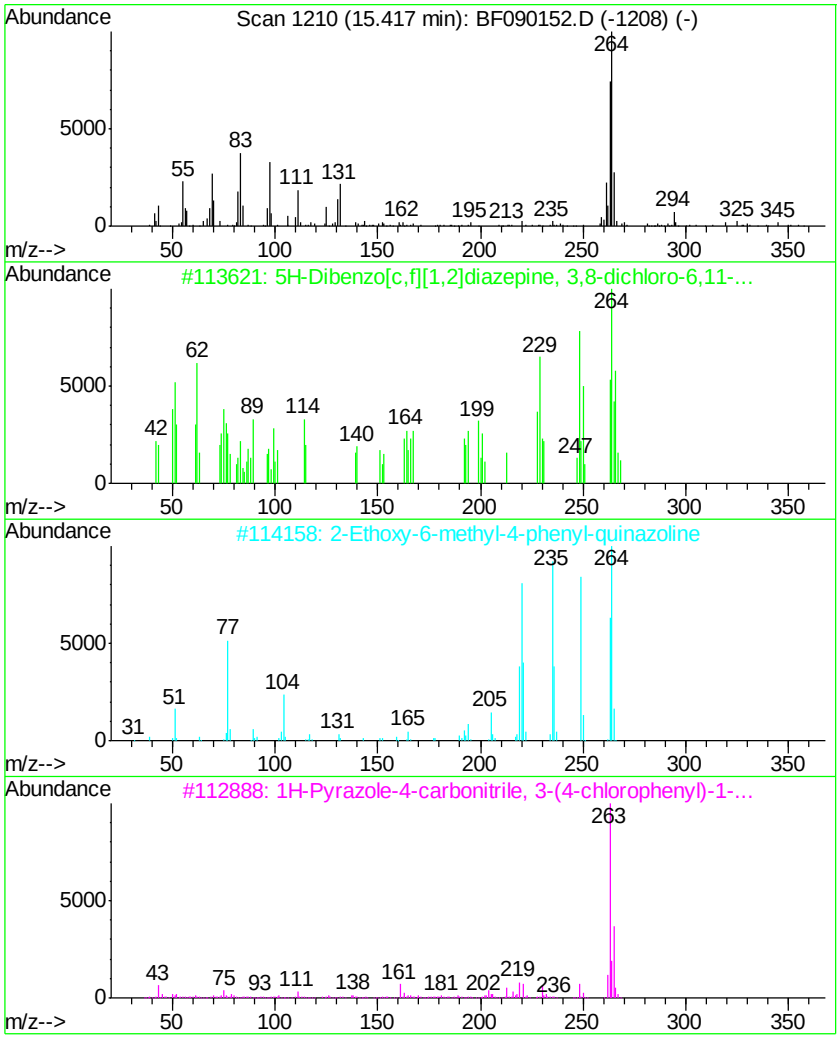
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

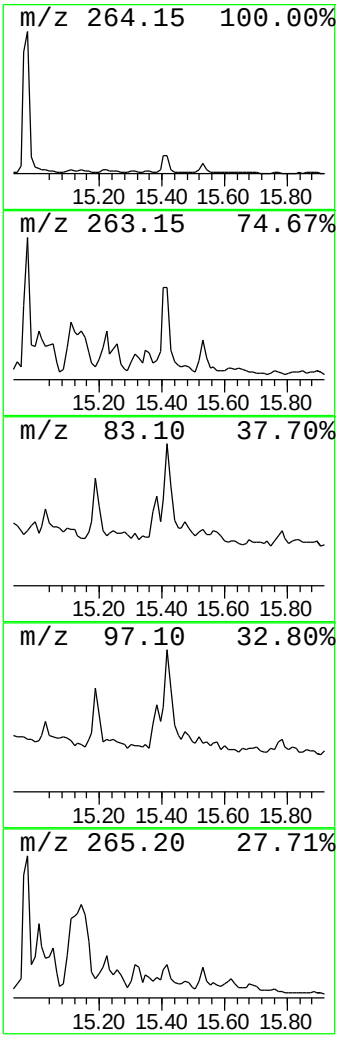
****

Peak Number 12 unknown15.42 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	5.86 ng	219341	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[c,f][1,2]diazepine, 3...	264	C13H10Cl2N2	000955-66-8	47
2	2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	35
3	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	25
4	2,5-Bis(4-hydroxyphenyl)pyrimidine	264	C16H12N2O2	159488-83-2	25
5	2-[2-Quinolinyl]methylenequinucl...	264	C17H16N2O	1000257-08-0	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090152.D
Acq On : 20 Sep 2016 23:49
Operator : UM/SJ
Sample : H4850-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHSW-04-SOUTHSIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

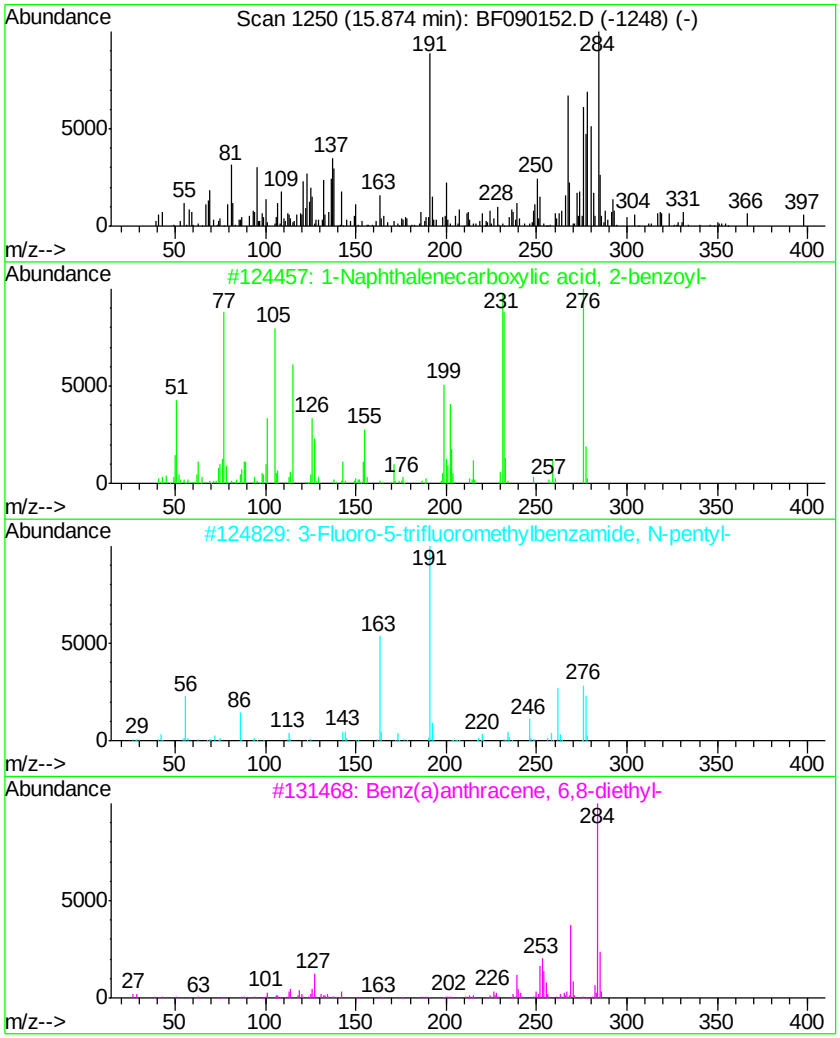
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

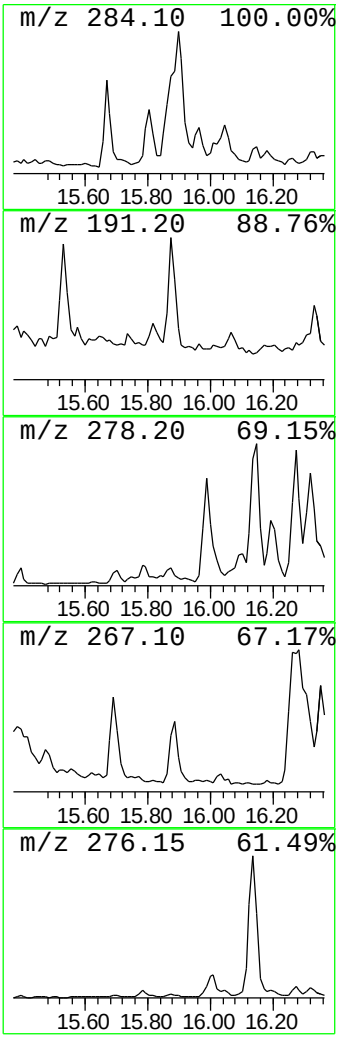
****

Peak Number 13 1-Naphthalenecarboxylic aci... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	8.42 ng	315298	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarboxylic acid, 2-...	276	C18H12O3	038119-11-8	59
2	3-Fluoro-5-trifluoromethylbenzam...	277	C13H15F4NO	1000358-14-1	30
3	Benz(a)anthracene, 6,8-diethyl-	284	C22H20	036911-94-1	25
4	(1,1'-Binaphthalene)-2,2'-diamine	284	C20H16N2	004488-22-6	25
5	Dinaphtho[1,2-b:1',2'-d]thiophene	284	C20H12S	000207-94-3	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090152.D
Acq On : 20 Sep 2016 23:49
Operator : UM/SJ
Sample : H4850-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHSW-04-SOUTHSIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

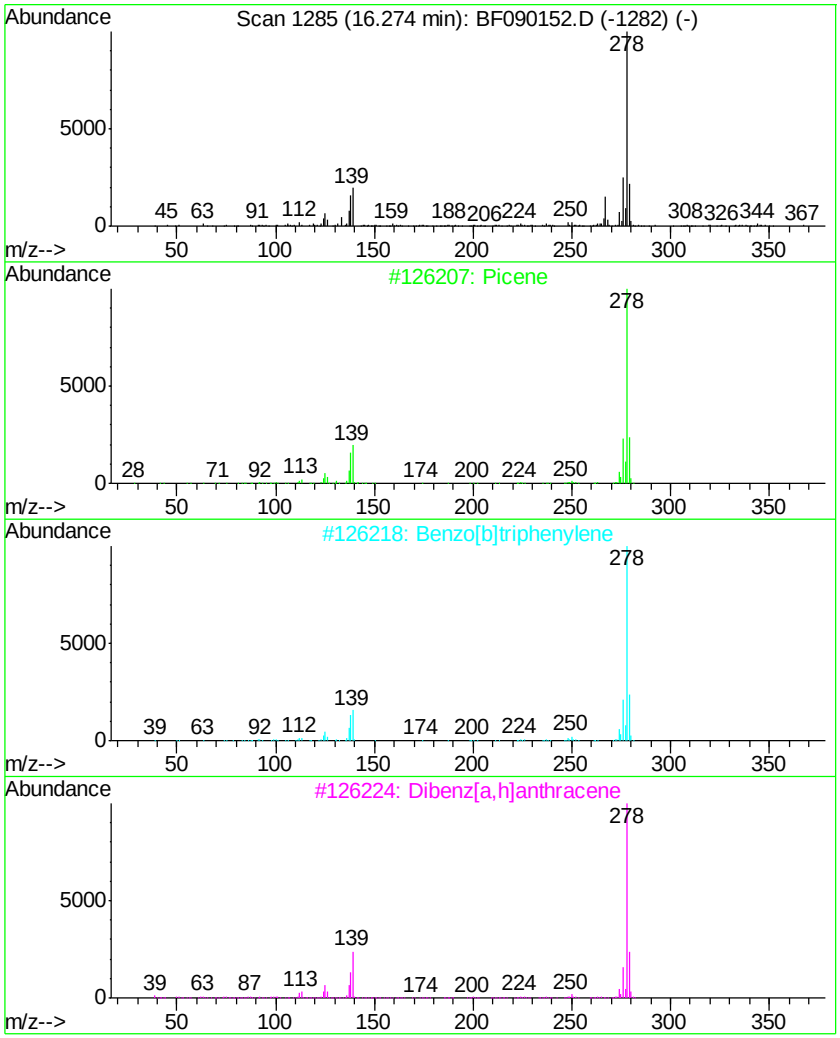
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

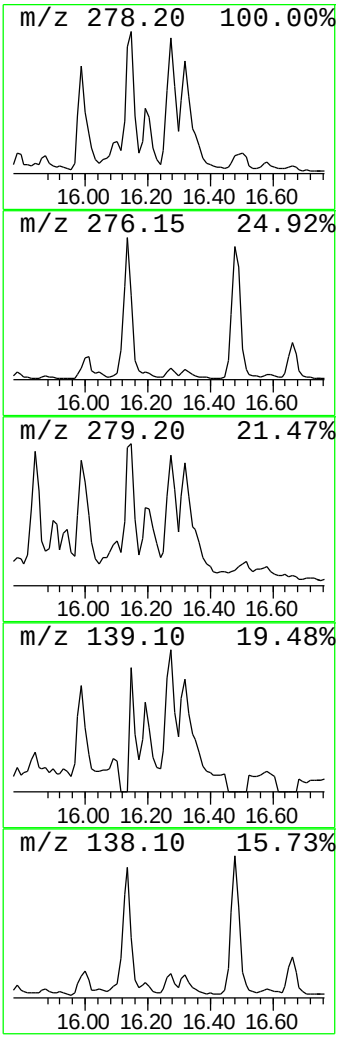
****

Peak Number 15 Picene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	5.70 ng	213202	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
4	Pentacene	278	C22H14	000135-48-8	93
5	p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	93





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090152.D
Acq On : 20 Sep 2016 23:49
Operator : UM/SJ
Sample : H4850-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FHSW-04-SOUTHSIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

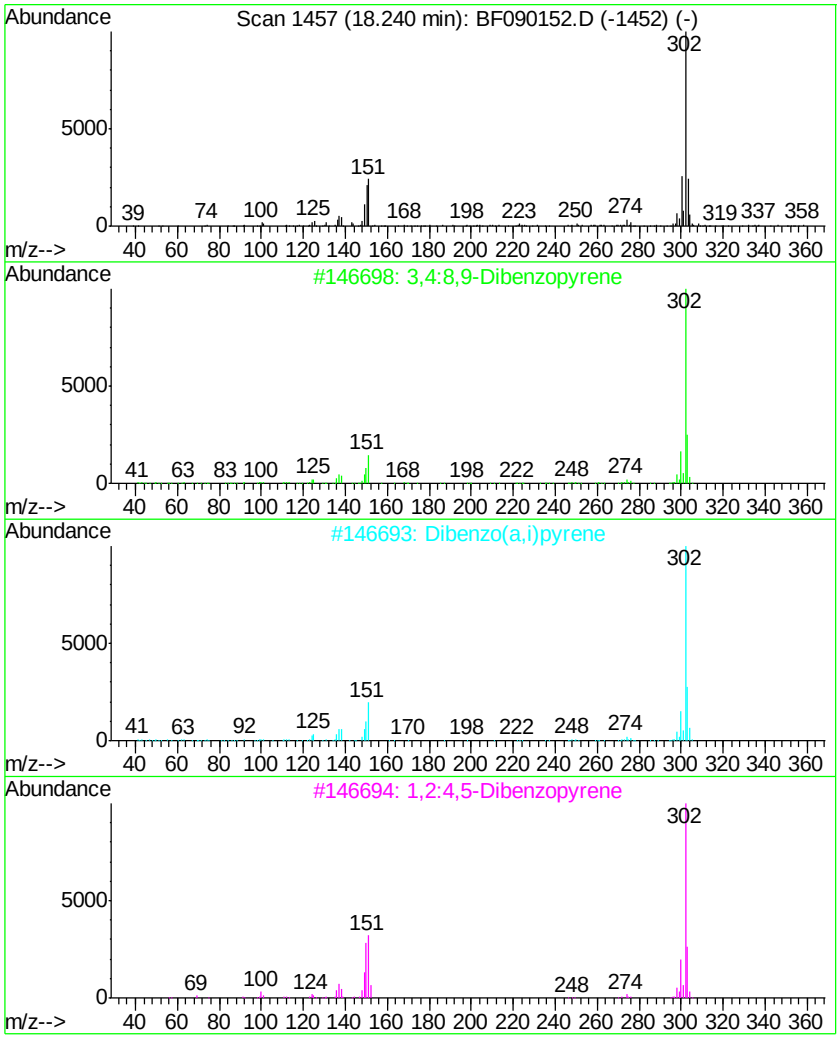
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

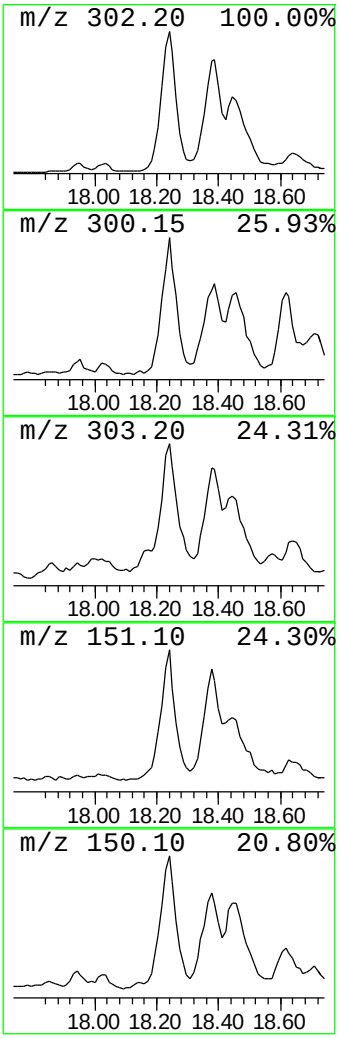
****

Peak Number 18 3,4:8,9-Dibenzopyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	13.80 ng	516577	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	98
2	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	96
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
4	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	91
5	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	86





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090152.D
Acq On : 20 Sep 2016 23:49
Operator : UM/SJ
Sample : H4850-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHSW-04-SOUTHSIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

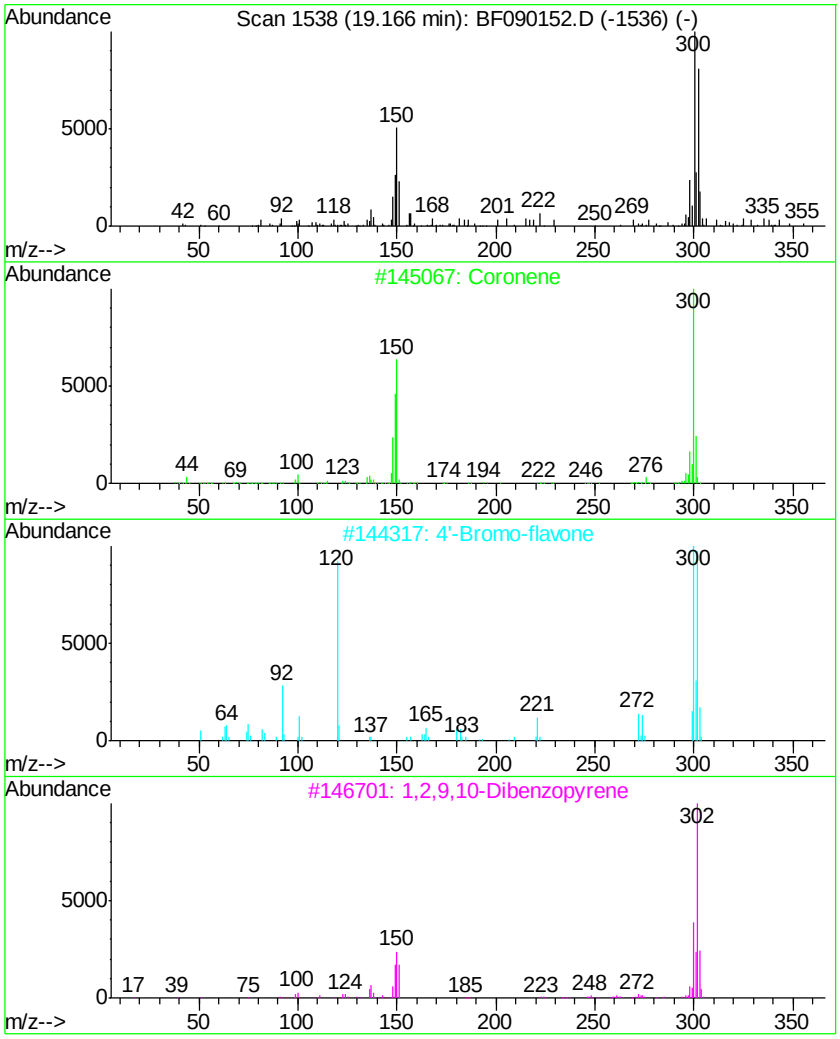
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

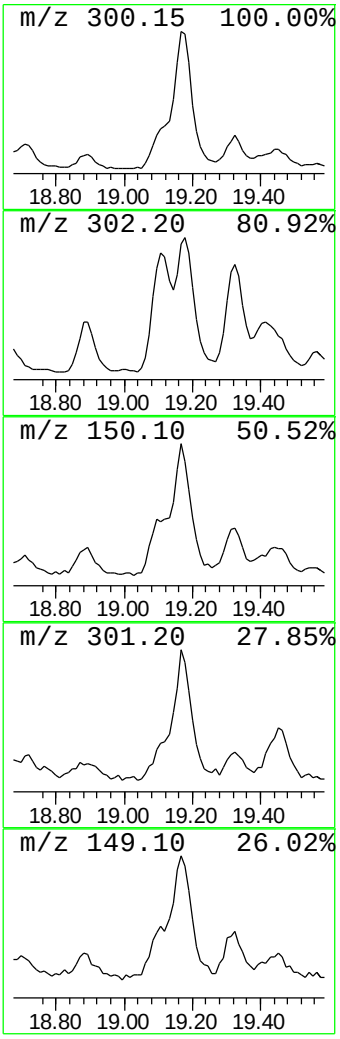
****

Peak Number 20 Coronene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	8.65 ng	323652	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Coronene	300	C24H12	000191-07-1	70
2	4'-Bromo-flavone	300	C15H9BrO2	020525-20-6	47
3	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	43
4	Coronene, 1,2-dihydro-	302	C24H14	107716-56-3	43
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	41





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
Data File : BF090152.D
Acq On : 20 Sep 2016 23:49
Operator : UM/SJ
Sample : H4850-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FHSW-04-SOUTHSIDE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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
2-Pentanone, 4-hy...	4.62	16.2	ng	736197	1	6.51	908143	20.0
unknown6.28	6.28	67.8	ng	3079390	1	6.51	908143	20.0
4H-Cyclopenta[def...	11.62	5.2	ng	996006	4	11.02	3837840	20.0
11H-Benzo[b]fluorene	12.78	5.7	ng	999329	5	13.65	3479600	20.0
Benz(a)anthracene...	14.32	5.6	ng	210183	6	14.97	748558	20.0
1,2-Dihydrobenzo[...	14.48	7.2	ng	270891	6	14.97	748558	20.0
unknown14.74	14.74	5.6	ng	209863	6	14.97	748558	20.0
Quinoxaline, 6-(3...	15.19	4.3	ng	162228	6	14.97	748558	20.0
unknown15.42	15.42	5.9	ng	219341	6	14.97	748558	20.0
1-Naphthalenecarb...	15.87	8.4	ng	315298	6	14.97	748558	20.0
Picene	16.27	5.7	ng	213202	6	14.97	748558	20.0
3,4:8,9-Dibenzopy...	18.24	13.8	ng	516577	6	14.97	748558	20.0
Coronene	19.17	8.7	ng	323652	6	14.97	748558	20.0