LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
Data File : BF083986.D
Acq On : 20 Dec 2015 8:13
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

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-BF121815.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	5.047	255	259	267	rBV	376174	642009	26.62%	2.011%
2	5.470	294	296	299	rBV	1593977	2080767	86.29%	6.519%
3	5.859	328	330	334	rVB	36133	35827	1.49%	0.112%
4	6.499	383	386	389	rBV	1378332	1700453	70.52%	5.328%
5	6.624	394	397	399	rBV	1995984	1897449	78.69%	5.945%
6	6.853	414	417	419	rBV	337553	405464	16.81%	1.270%
7	7.001	428	430	433	rBV	1327795	1858789	77.08%	5.824%
8	7.413	463	466	468	rBV	1199946	1302665	54.02%	4.081%
9	7.459	468	470	471	rVV2	27409	34928	1.45%	0.109%
10	7.539	474	477	483	rVV	22155	43614	1.81%	0.137%
11	7.664	486	488	493	rVB	31705	34651	1.44%	0.109%
12	7.882	504	507	509	rVB2	29639	42187	1.75%	0.132%
13	8.042	519	521	523	rBV	53472	49167	2.04%	0.154%
14	8.133	526	529	530	rVV	687518	604866	25.08%	1.895%
15	8.156	530	531	533	rVB	72470	53569	2.22%	0.168%
16	8.259	538	540	543	rVV	49983	53258	2.21%	0.167%
17	8.727	579	581	583	rBV	25946	24645	1.02%	0.077%
18	9.207	620	623	626	rBV	2023573	2100647	87.11%	6.582%
19	9.299	629	631	633	rVB	16483	25576	1.06%	0.080%
20	9.539	648	652	654	rBV2	29850	48108	2.00%	0.151%
21	9.607	656	658	660	rVB	364142	445047	18.46%	1.394%
22	9.745	669	670	672	rVB	54260	40759	1.69%	0.128%
23	9.825	672	677	679	rBV	49651	46539	1.93%	0.146%
24	9.882	680	682	684	rVV	656141	630625	26.15%	1.976%
25	9.916	684	685	687	rVB	143511	113028	4.69%	0.354%
26	10.042	693	696	698	rBV2	17057	26361	1.09%	0.083%
27	10.087	698	700	702	rVV	94621	91780	3.81%	0.288%
28	10.293	716	718	719	rBV	30265	30889	1.28%	0.097%
29	10.316	719	720	723	rVB	46019	55535	2.30%	0.174%
30	10.430	728	730	733	rVB	107312	101534	4.21%	0.318%
31	10.499	733	736	737	rBV	17485	35189	1.46%	0.110%
32	10.545	737	740	743	rVV2	26345	33316	1.38%	0.104%
33	10.590	743	744	746	rVB	37218	28600	1.19%	0.090%
34	10.670	748	751	754	rBV2	1332795	1589273	65.91%	4.979%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
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Acq On : 20 Dec 2015 8:13
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

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-BF121815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.796	759	762	766	rVB	89108	123745	5.13%	0.388%
36	10.979	774	778	779	rBV2	29679	44288	1.84%	0.139%
37	11.128	786	791	794	rBV4	29995	60749	2.52%	0.190%
38	11.173	794	795	797	rVB	65631	53921	2.24%	0.169%
39	11.242	797	801	802	rBV3	68068	100764	4.18%	0.316%
40	11.265	802	803	806	rVB2	63134	67154	2.78%	0.210%
41	11.368	809	812	813	rBV	645597	629037	26.09%	1.971%
42	11.390	813	814	816	rVV	935530	702743	29.14%	2.202%
43	11.436	816	818	820	rVB	191122	268616	11.14%	0.842%
44	11.482	820	822	823	rBV	32531	40838	1.69%	0.128%
45	11.550	825	828	829	rVB3	19611	27574	1.14%	0.086%
46	11.596	829	832	834	rBV2	133005	164504	6.82%	0.515%
47	11.665	836	838	839	rVB	42245	42928	1.78%	0.134%
48	11.699	839	841	844	rVB3	33524	37362	1.55%	0.117%
49	11.756	844	846	849	rBV4	13365	25892	1.07%	0.081%
50	11.871	853	856	857	rBV	103640	112873	4.68%	0.354%
51	11.893	857	858	860	rVB	174520	174595	7.24%	0.547%
52	11.939	860	862	864	rBV2	63523	83784	3.47%	0.263%
53	11.973	864	865	870	rVB	147277	259684	10.77%	0.814%
54	12.076	870	874	875	rBV3	46661	79968	3.32%	0.251%
55	12.156	879	881	883	rBV2	59998	86799	3.60%	0.272%
56	12.191	883	884	887	rVB	90308	84384	3.50%	0.264%
57	12.236	887	888	890	rBV	18509	25305	1.05%	0.079%
58	12.316	892	895	896	rBV2	37007	63679	2.64%	0.200%
59	12.339	896	897	898	rBV	24401	31937	1.32%	0.100%
60	12.419	902	904	905	rBV	89060	104162	4.32%	0.326%
61	12.453	905	907	910	rVB2	79782	158056	6.55%	0.495%
62	12.511	910	912	914	rBV	77601	130449	5.41%	0.409%
63	12.579	915	918	920	rBV	1322671	1160884	48.14%	3.637%
64	12.648	920	924	925	rVB2	36702	70547	2.93%	0.221%
65	12.671	925	926	928	rBV	22274	29398	1.22%	0.092%
66	12.728	928	931	933	rBV2	49047	87795	3.64%	0.275%
67	12.808	934	938	940	rBV	1126771	1270078	52.67%	3.979%
68	12.853	941	942	946	rVB2	69502	78396	3.25%	0.246%
69	12.956	948	951	953	rVV	1883353	2411424	100.00%	7.555%
70	13.025	954	957	961	rBV3	76378	200230	8.30%	0.627%
71	13.139	963	967	968	rVB2	130330	241813	10.03%	0.758%

LSC Area Percent Report

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Sample : G4912-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

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-BF121815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.196	968	972	974	rBV3	98964	163545	6.78%	0.512%
73	13.242	974	976	979	rVV3	113962	173488	7.19%	0.544%
74	13.334	982	984	985	rVB	78688	88120	3.65%	0.276%
75	13.356	985	986	988	rBV	64970	106904	4.43%	0.335%
76	13.642	1008	1011	1015	rBV	118309	201098	8.34%	0.630%
77	13.756	1018	1021	1022	rVV	98409	162755	6.75%	0.510%
78	13.802	1024	1025	1028	rVV2	80063	157323	6.52%	0.493%
79	13.848	1028	1029	1033	rVB2	243476	267936	11.11%	0.839%
80	13.996	1039	1042	1044	rBV2	688000	1188944	49.30%	3.725%
81	14.031	1044	1045	1047	rVV	528217	421503	17.48%	1.321%
82	14.111	1050	1052	1053	rVB	67178	62136	2.58%	0.195%
83	14.225	1060	1062	1064	rVB2	44072	56804	2.36%	0.178%
84	14.396	1074	1077	1078	rBV	63108	93480	3.88%	0.293%
85	14.476	1081	1084	1086	rBV4	52767	118290	4.91%	0.371%
86	14.808	1111	1113	1115	rBV3	38400	84960	3.52%	0.266%
87	14.842	1115	1116	1117	rVV	54073	52909	2.19%	0.166%
88	14.877	1117	1119	1120	rVB	52048	57621	2.39%	0.181%
89	15.025	1130	1132	1137	rBV	438938	873268	36.21%	2.736%
90	15.128	1140	1141	1143	rBV	60678	82852	3.44%	0.260%
91	15.322	1155	1158	1161	rVB	204511	284309	11.79%	0.891%
92	15.379	1161	1163	1166	rBV	270031	331279	13.74%	1.038%
93	15.437	1166	1168	1176	rVB2	262893	447994	18.58%	1.404%
94	16.660	1273	1275	1277	rBV2	15586	30266	1.26%	0.095%
95	16.854	1289	1292	1296	rBV	131596	264495	10.97%	0.829%
96	17.014	1302	1306	1309	rBV2	28442	78365	3.25%	0.246%
97	17.071	1309	1311	1313	rVB	20561	35891	1.49%	0.112%
98	17.277	1326	1329	1335	rBV	89272	190292	7.89%	0.596%
99	17.517	1348	1350	1358	rVB2	20919	70410	2.92%	0.221%
100	19.460	1514	1520	1527	rVB2	30904	126261	5.24%	0.396%

Sum of corrected areas: 31916967

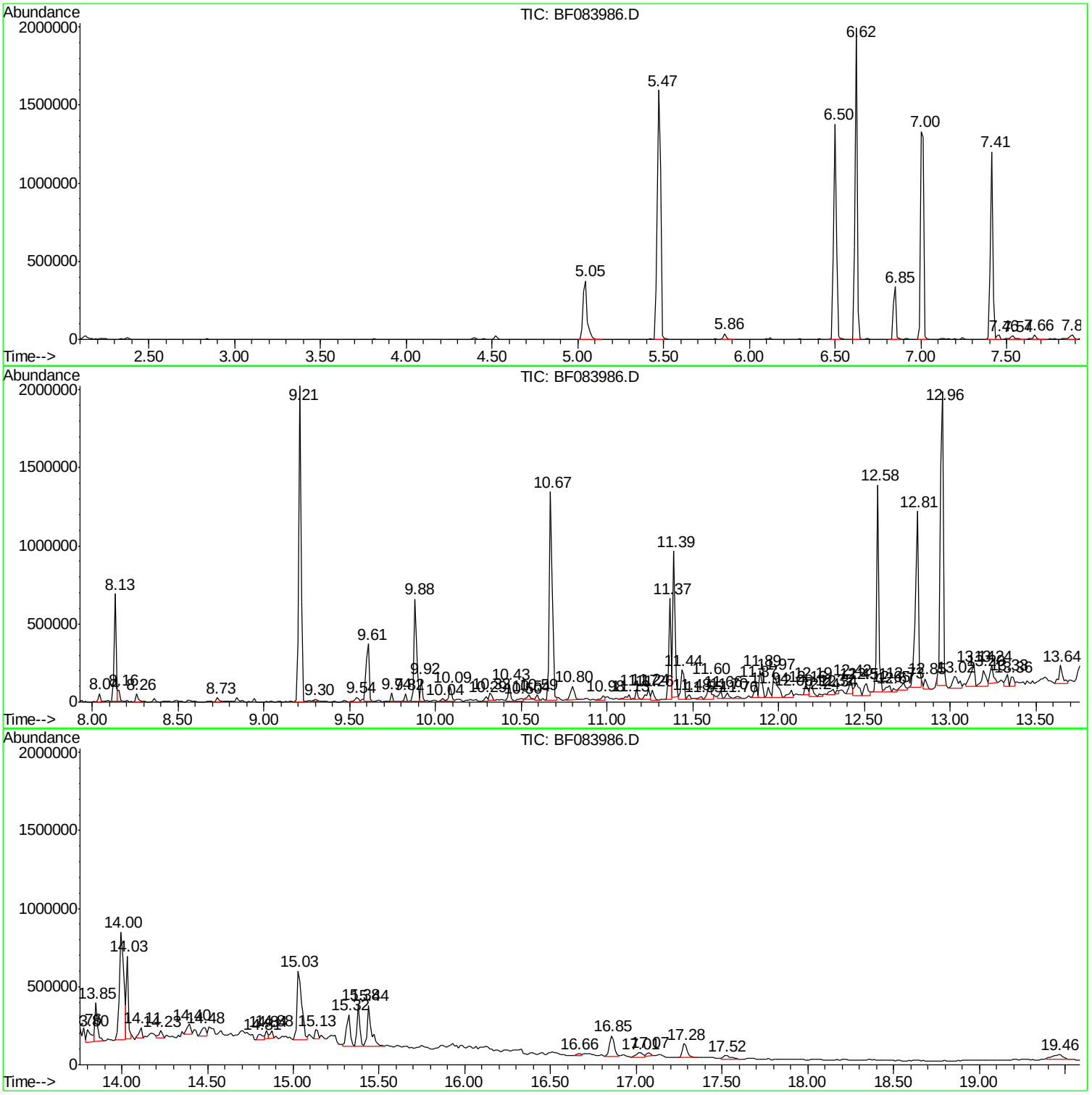
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
Data File : BF083986.D
Acq On : 20 Dec 2015 8:13
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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\BF122015\
Data File : BF083986.D
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Sample : G4912-01
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

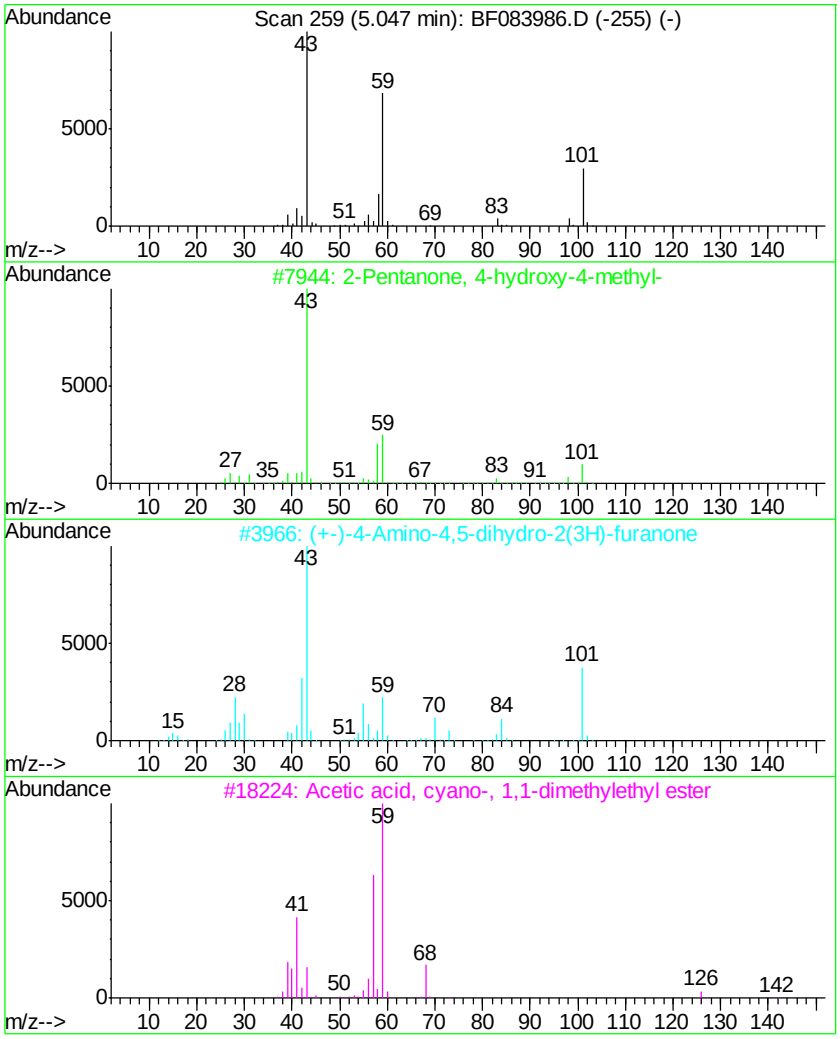
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

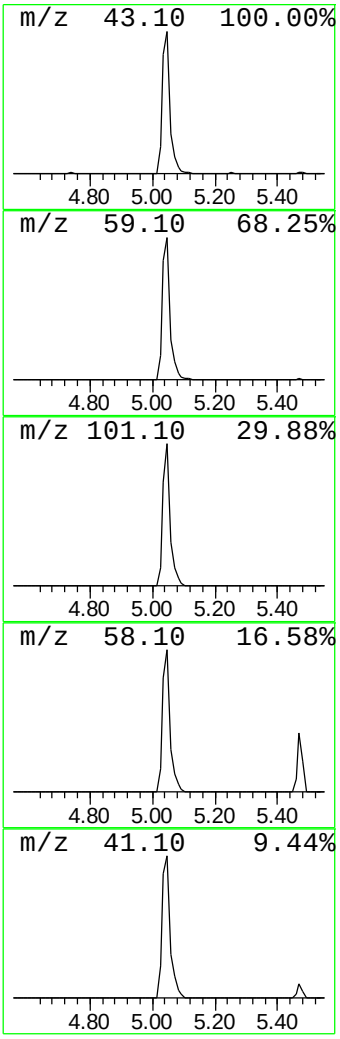
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	31.67 ng	642009	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	47
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
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Sample : G4912-01
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Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

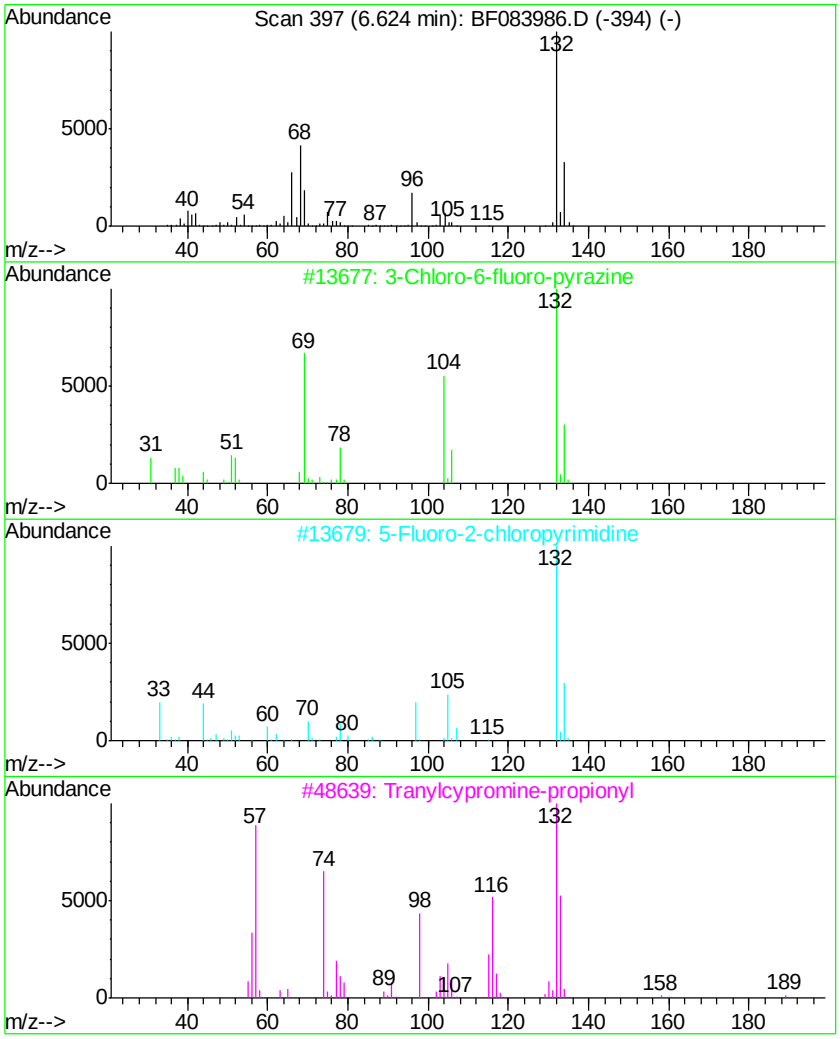
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

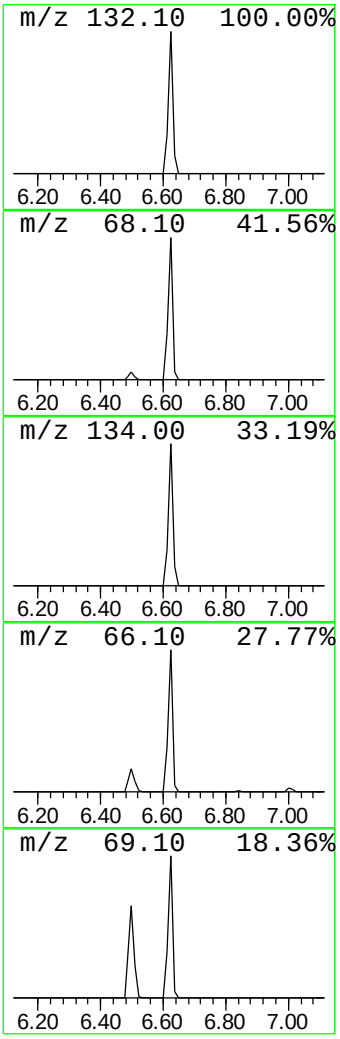
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	93.59 ng	1897450	1,4-Dichlorobenzene-d4	6.85

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	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

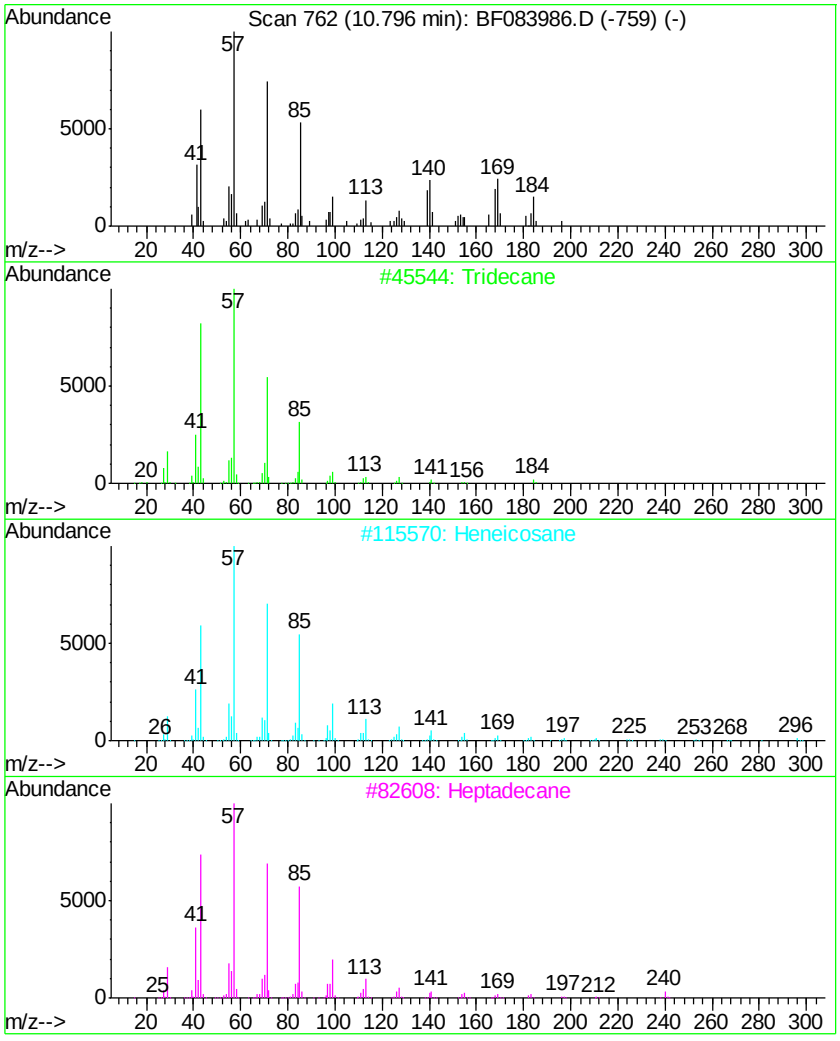
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

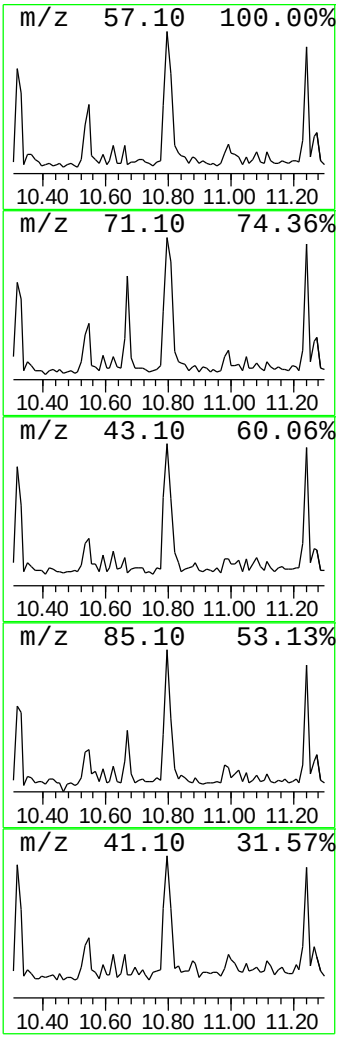
****

Peak Number 5 Tridecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	3.93 ng	123745	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	84
2	Heneicosane	296	C21H44	000629-94-7	60
3	Heptadecane	240	C17H36	000629-78-7	53
4	Dodecane	170	C12H26	000112-40-3	53
5	Octadecane	254	C18H38	000593-45-3	53





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Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
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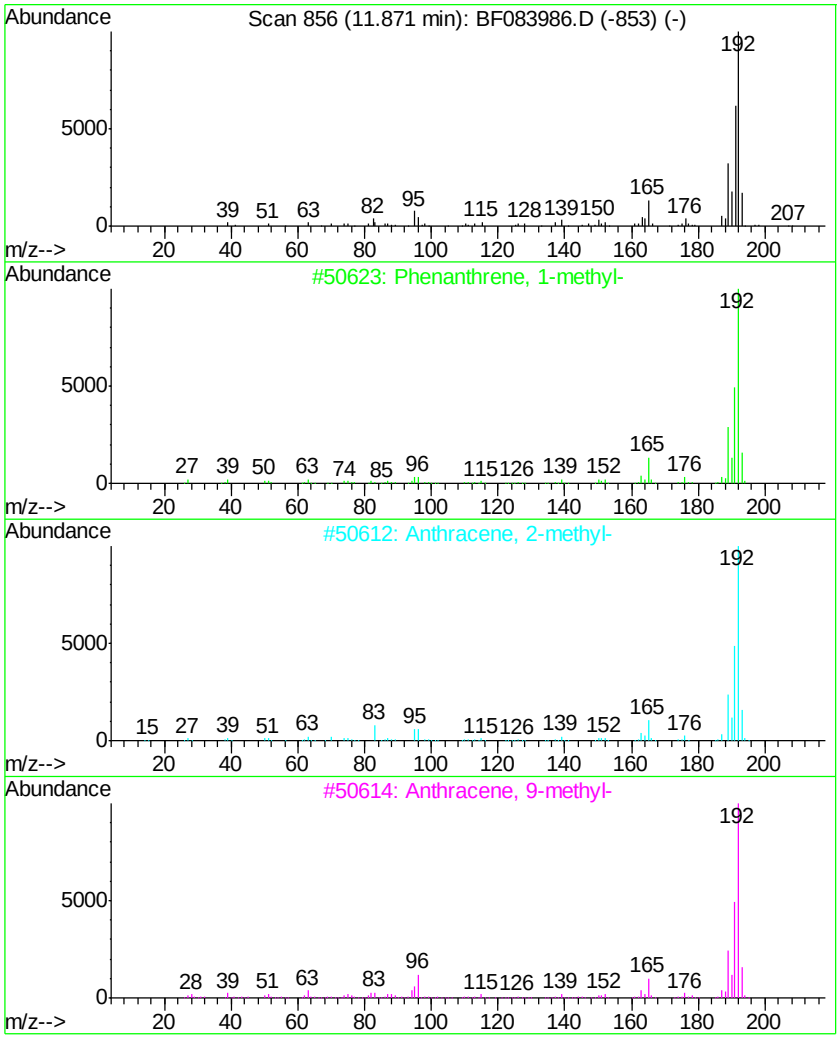
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

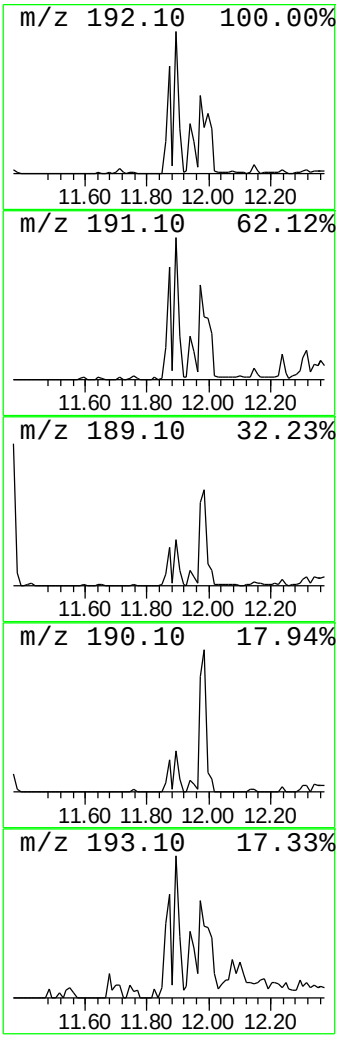
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	3.59 ng	112873	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
Data File : BF083986.D
Acq On : 20 Dec 2015 8:13
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

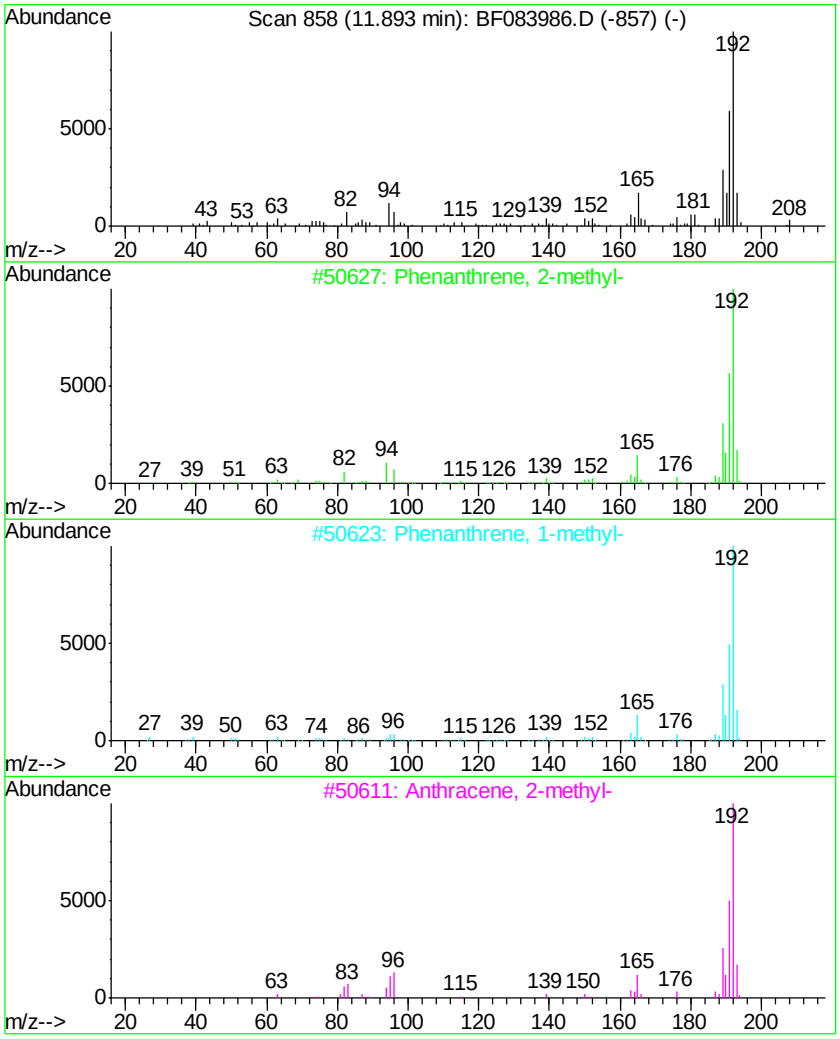
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

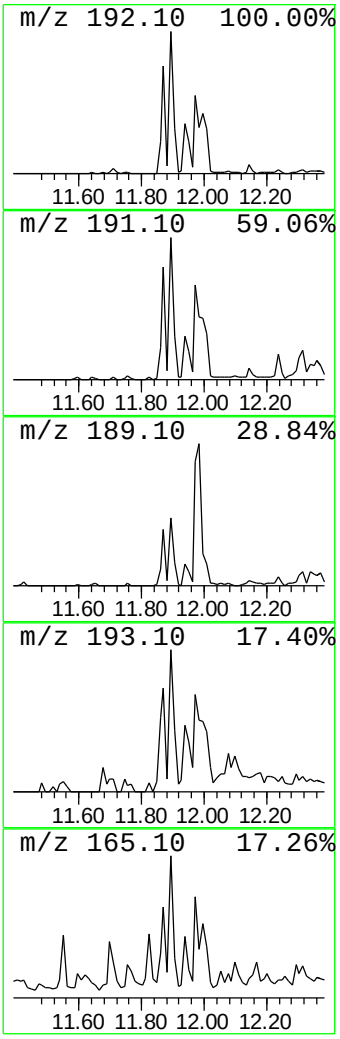
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	5.55 ng	174595	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
Data File : BF083986.D
Acq On : 20 Dec 2015 8:13
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

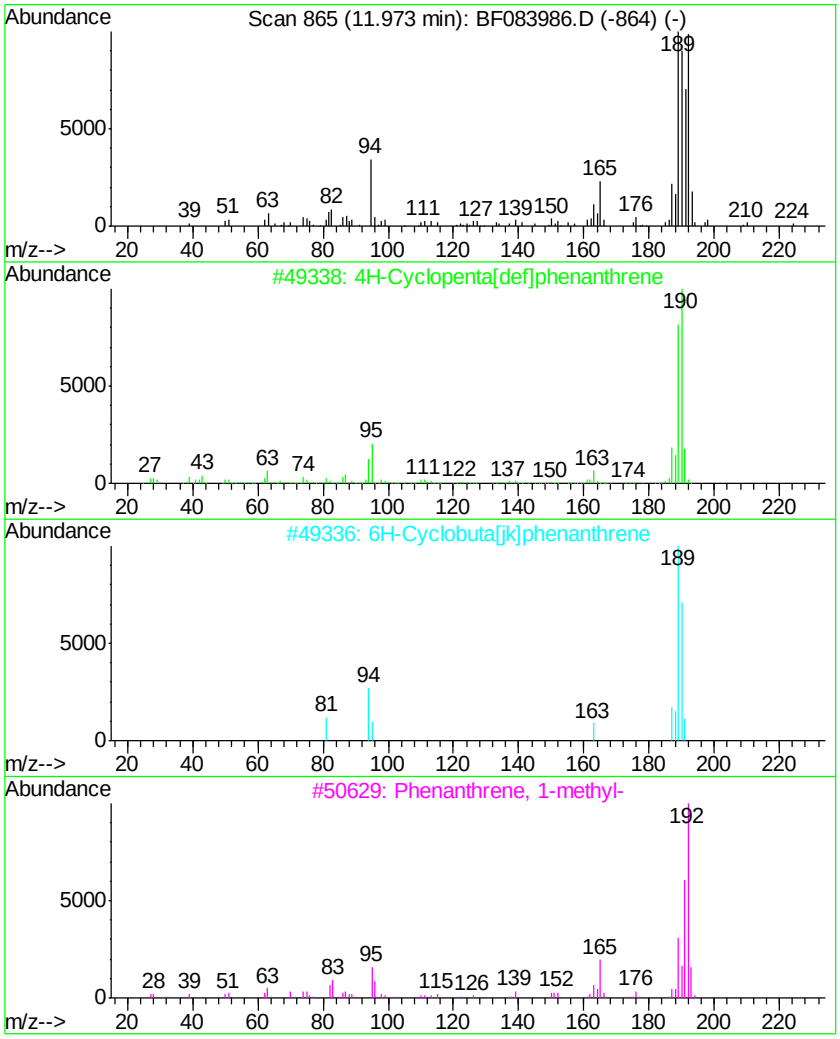
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

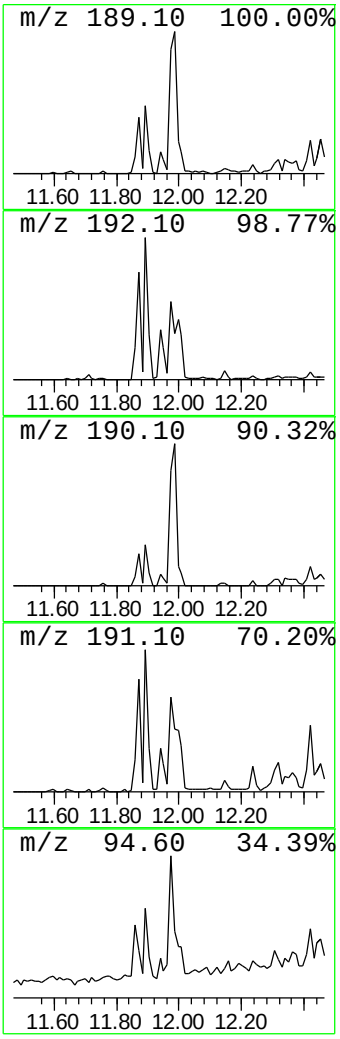
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	8.26 ng	259684	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46





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Data File : BF083986.D
Acq On : 20 Dec 2015 8:13
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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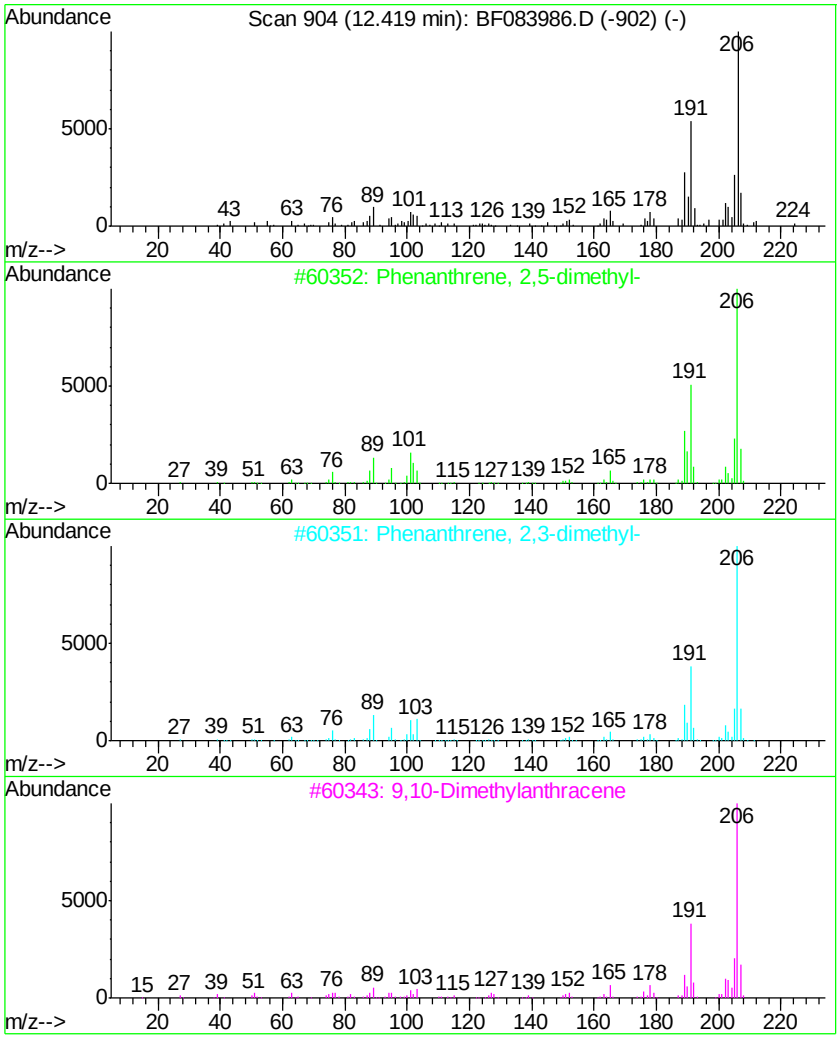
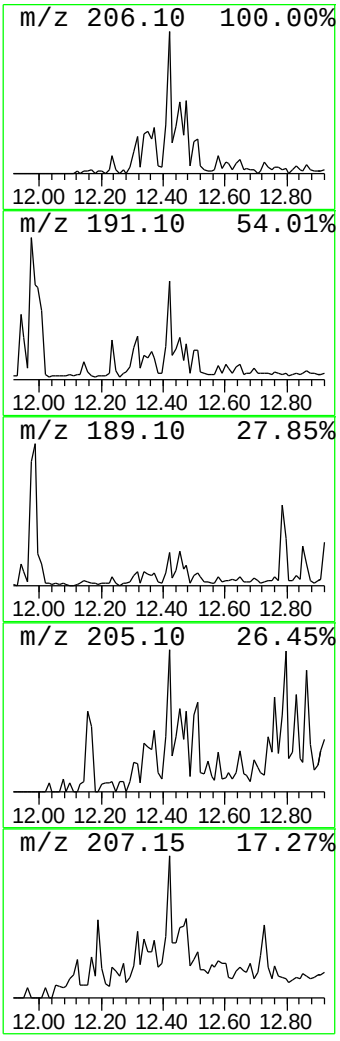
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	3.31 ng	104162	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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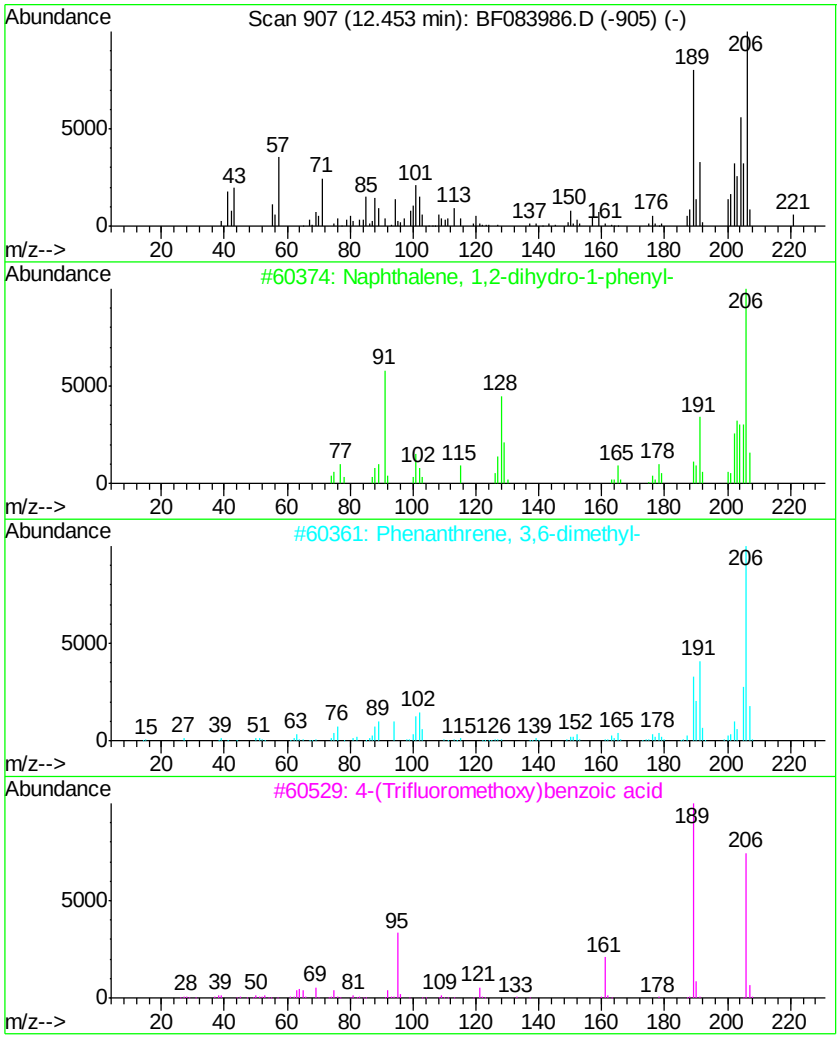
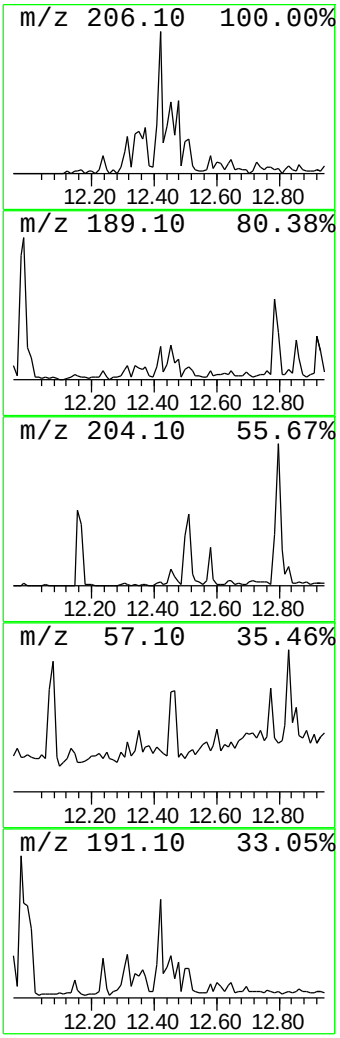
Peak Number 10 unknown12.45 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	5.03 ng	158056	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	41
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
3	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	38
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	27
5	6S-2,3,8,8-Tetramethyltricyclo[5...	204	C15H24	137235-48-4	27





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Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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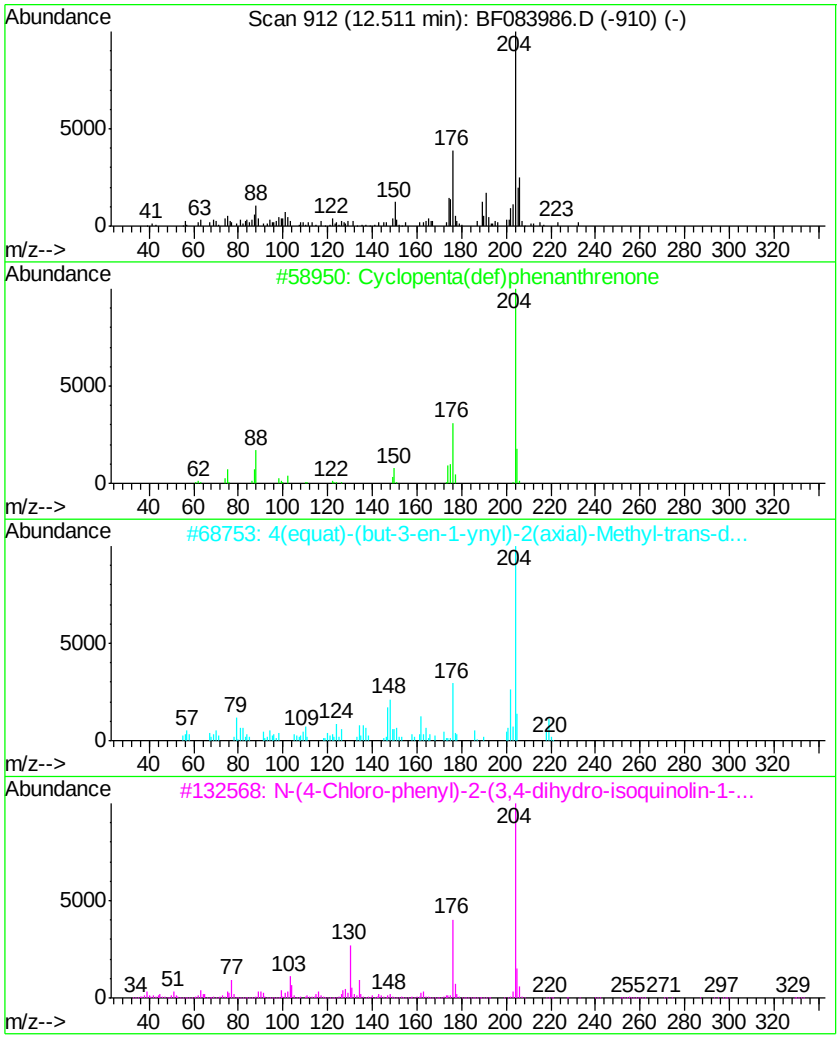
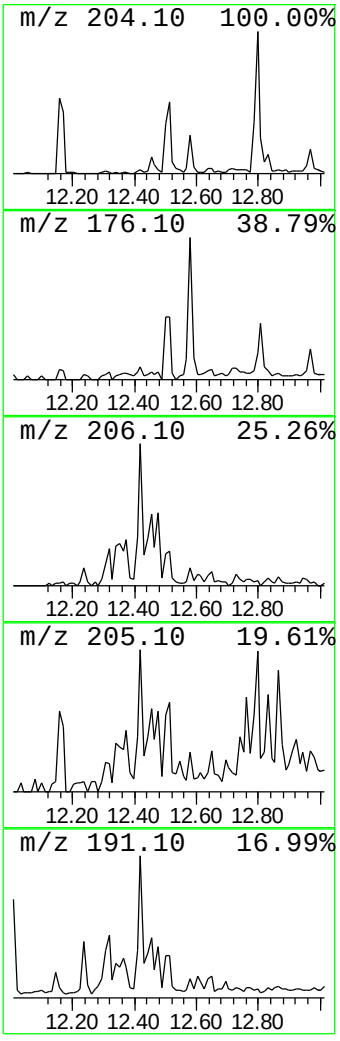
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	4.15 ng	130449	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	53
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	50
4	.alpha.-L-Mannopyranose, 6-deoxy...	452	C18H44O5Si4	055057-21-1	47
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





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Acq On : 20 Dec 2015 8:13
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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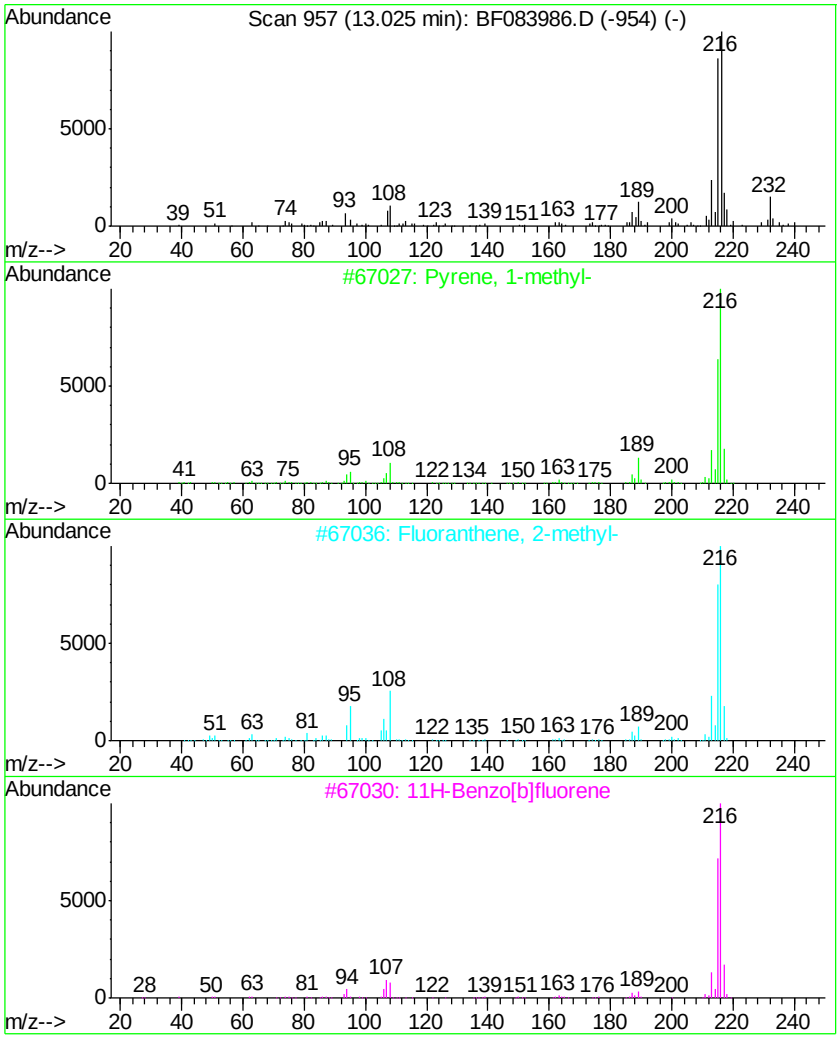
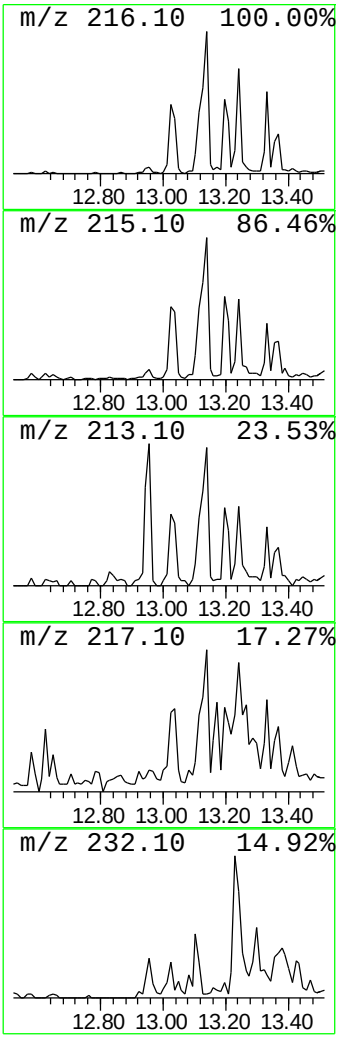
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	3.37 ng	200230	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Acq On : 20 Dec 2015 8:13
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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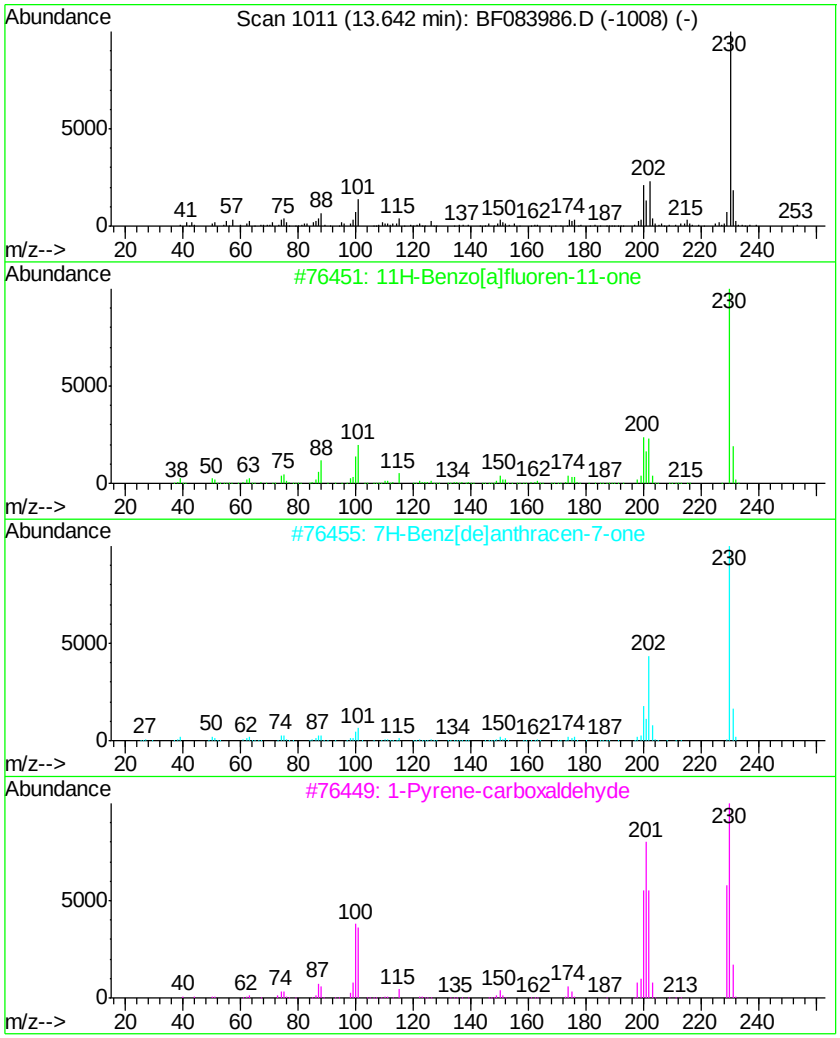
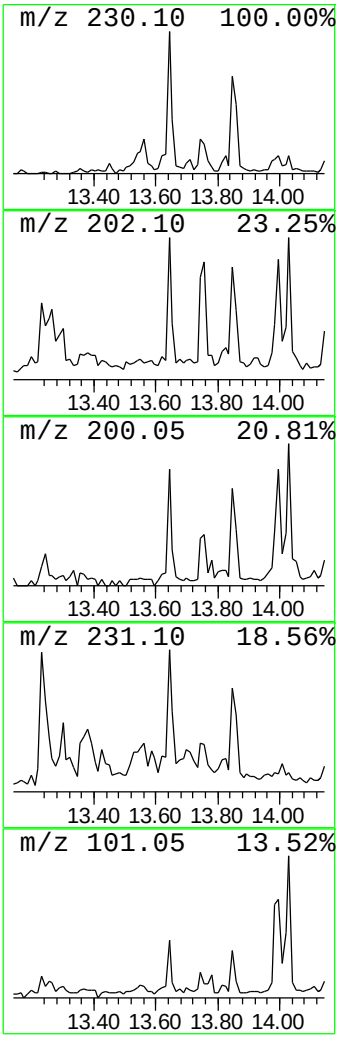
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	3.38 ng	201098	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	98
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	80
4	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	59
5	o-Terphenyl	230	C18H14	000084-15-1	58





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Acq On : 20 Dec 2015 8:13
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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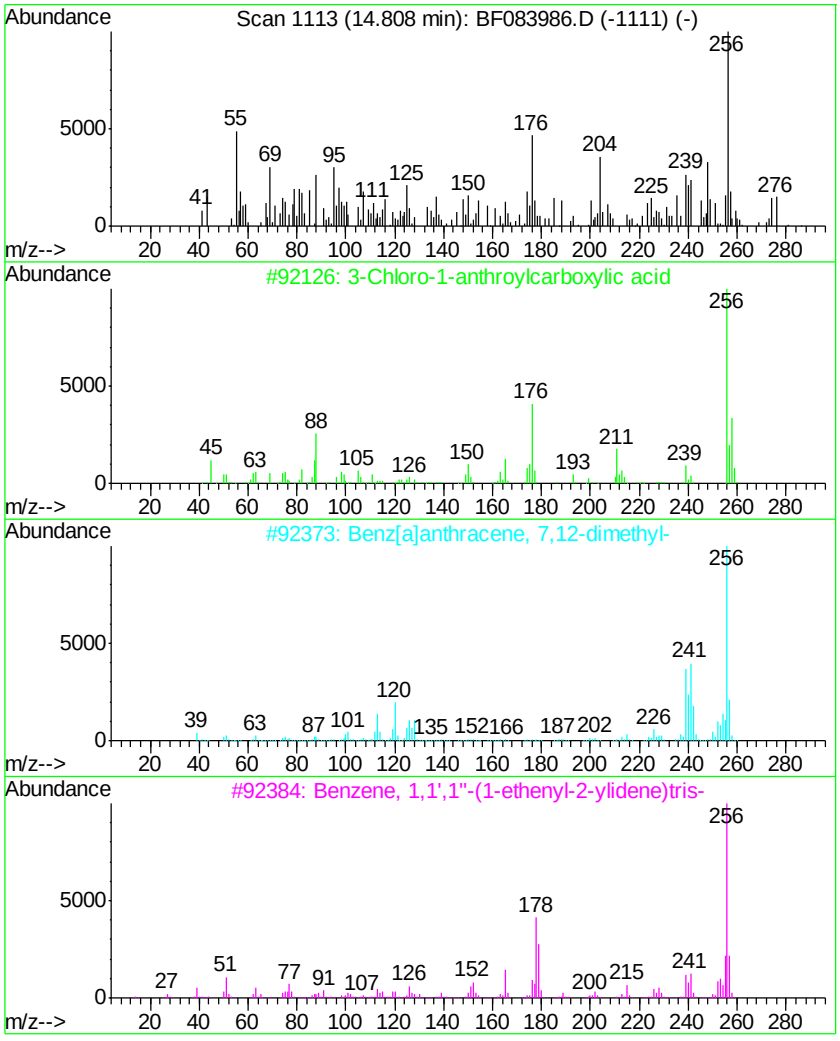
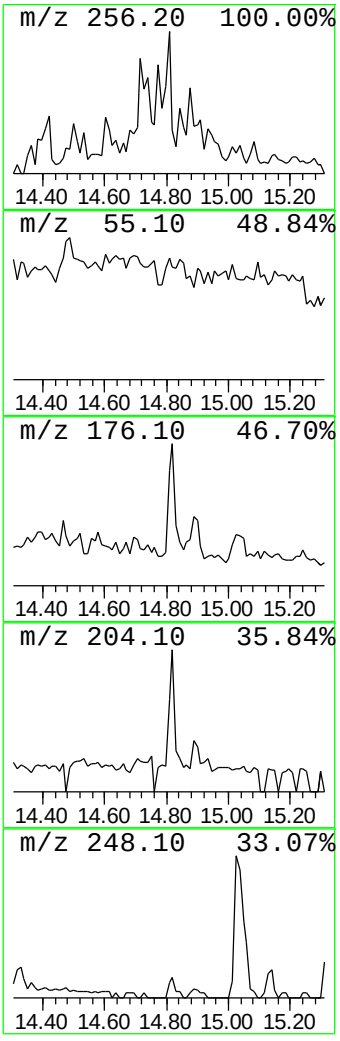
Peak Number 16 unknown14.81 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	3.79 ng	84960	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-1-anthroylcarboxylic acid	256	C15H9ClO2	052643-79-5	49
2	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	41
3	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	38
4	2-Thiophen-2-yl-6,7,8,9-tetrahyd...	256	C13H12N4S	094103-50-1	38
5	4,5,11,12-Tetrahydrobenzo[a]pyrene	256	C20H16	109292-58-2	38





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Data File : BF083986.D
Acq On : 20 Dec 2015 8:13
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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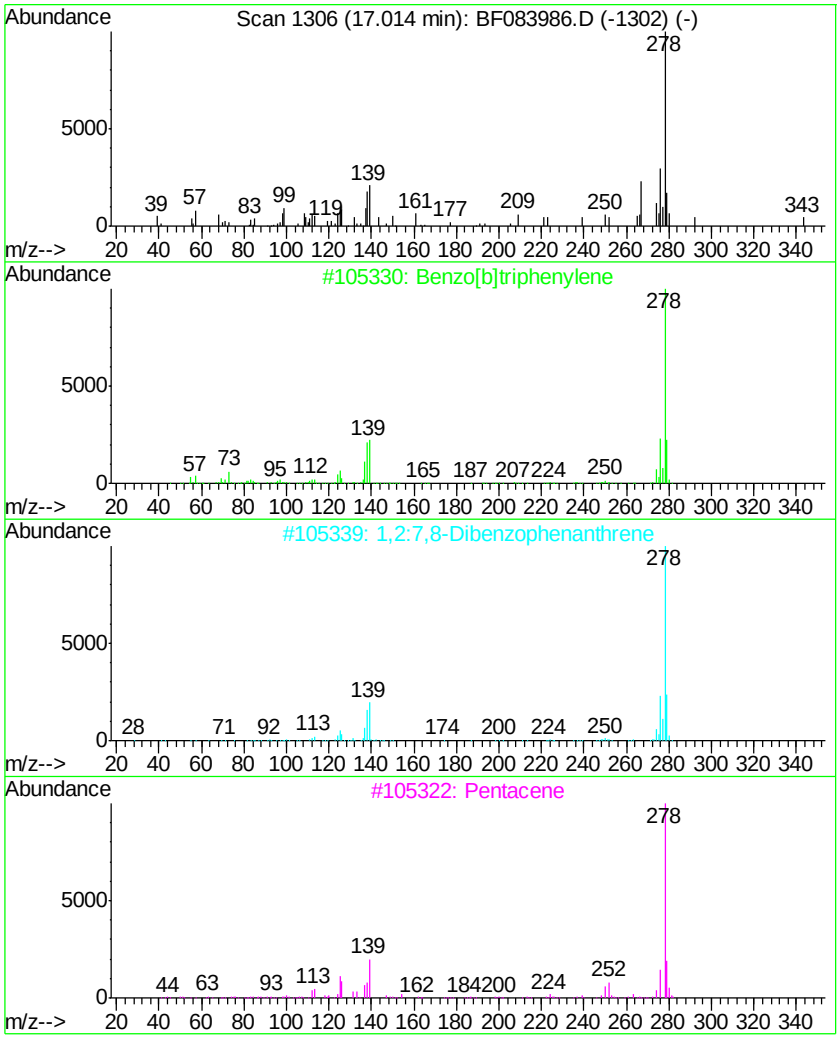
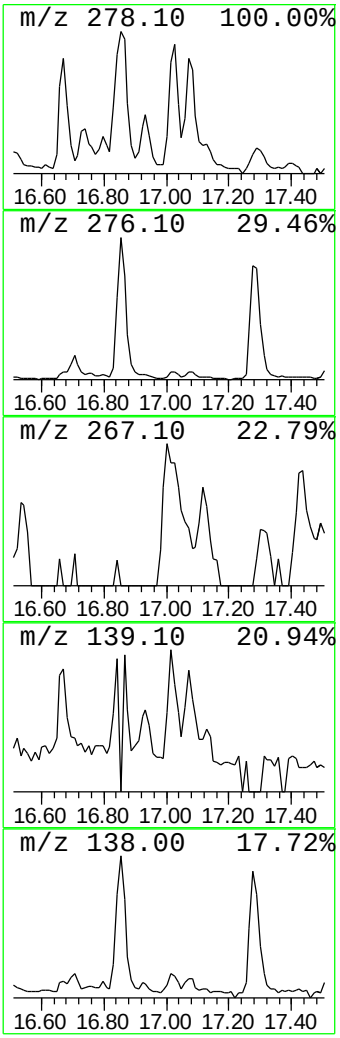
Peak Number 19 Benzo[b]triphenylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	3.50 ng	78365	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	64
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	64
3	Pentacene	278	C22H14	000135-48-8	64
4	Dibenzo-1,2,7,8-anthracene	278	C22H14	000224-41-9	58
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	50





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Sample : G4912-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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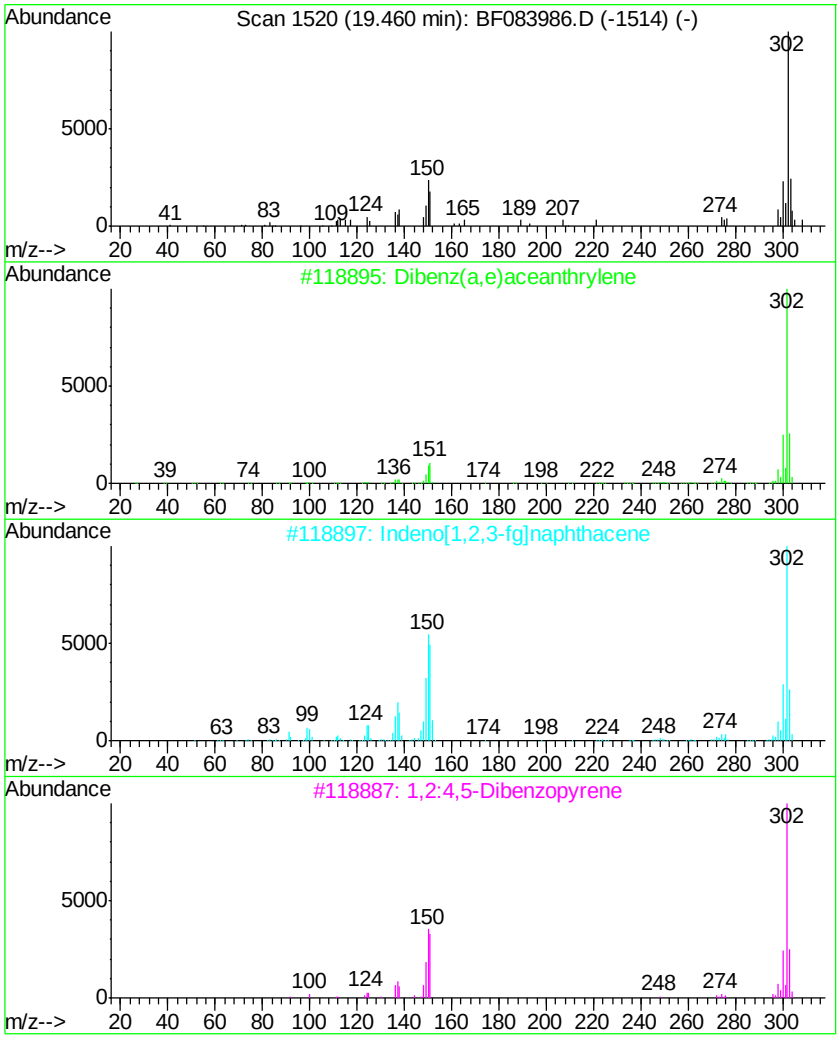
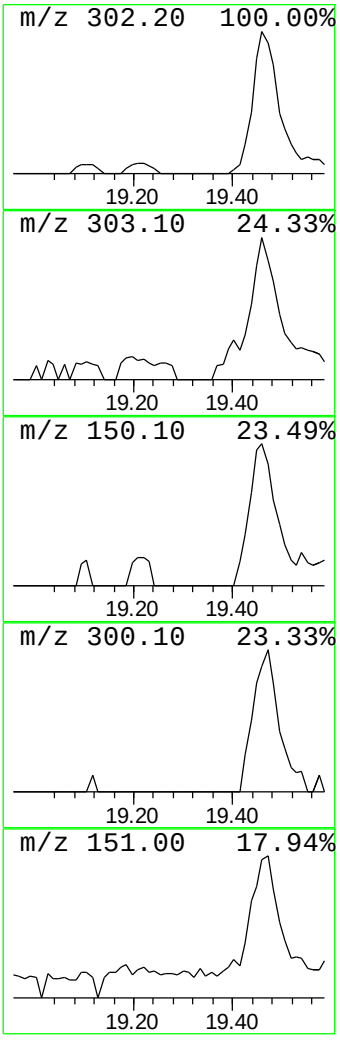
Peak Number 20 Dibenz(a,e)aceanthrylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.46	5.64 ng	126261	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	81
2	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	81
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	76
4	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	74
5	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122015\
Data File : BF083986.D
Acq On : 20 Dec 2015 8:13
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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...	5.05	31.7	ng	642009	1	6.85	405464	20.0
unknown6.62	6.62	93.6	ng	1897450	1	6.85	405464	20.0
Tridecane	10.80	3.9	ng	123745	4	11.37	629037	20.0
Phenanthrene, 1-m...	11.87	3.6	ng	112873	4	11.37	629037	20.0
Phenanthrene, 2-m...	11.89	5.5	ng	174595	4	11.37	629037	20.0
4H-Cyclopenta[def...	11.97	8.3	ng	259684	4	11.37	629037	20.0
Phenanthrene, 2,5...	12.42	3.3	ng	104162	4	11.37	629037	20.0
unknown12.45	12.45	5.0	ng	158056	4	11.37	629037	20.0
Cyclopenta(def)ph...	12.51	4.2	ng	130449	4	11.37	629037	20.0
Pyrene, 1-methyl-	13.02	3.4	ng	200230	5	14.01	1188940	20.0
11H-Benzo[a]fluor...	13.64	3.4	ng	201098	5	14.01	1188940	20.0
unknown14.81	14.81	3.8	ng	84960	6	15.44	447994	20.0
Benzo[b]triphenylene	17.01	3.5	ng	78365	6	15.44	447994	20.0
Dibenz(a,e)aceant...	19.46	5.6	ng	126261	6	15.44	447994	20.0