LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080265.D
Acq On : 1 Jul 2015 8:50
Operator : TP/IZ
Sample : G2831-05 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3(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-BF061715.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	5.499	208	211	216	rVB	38101	41345	4.53%	0.407%
2	5.887	244	245	248	rBV	140539	193638	21.21%	1.904%
3	6.882	331	332	335	rBV	142850	200790	22.00%	1.974%
4	7.053	344	347	349	rBV	231716	218899	23.98%	2.152%
5	7.282	365	367	370	rVB	223695	202191	22.15%	1.988%
6	7.442	379	381	384	rBV	208761	168948	18.51%	1.661%
7	7.842	413	416	418	rBV	152262	128925	14.12%	1.268%
8	8.573	478	480	483	rBV	318804	283117	31.02%	2.784%
9	9.339	545	547	550	rBB2	8363	9681	1.06%	0.095%
10	9.648	572	574	577	rBV	272279	237929	26.07%	2.340%
11	10.036	606	608	610	rBB	20274	20500	2.25%	0.202%
12	10.345	633	635	637	rBV	368891	327116	35.84%	3.216%
13	10.379	637	638	640	rVB	44385	32959	3.61%	0.324%
14	10.550	651	653	655	rBV	15337	13057	1.43%	0.128%
15	10.893	682	683	686	rBV	18046	23476	2.57%	0.231%
16	10.985	686	691	693	rVV2	9181	14290	1.57%	0.141%
17	11.145	703	705	707	rBV	108984	140097	15.35%	1.378%
18	11.236	711	713	718	rBV	14364	21968	2.41%	0.216%
19	11.693	752	753	754	rBV	15881	13323	1.46%	0.131%
20	11.728	754	756	757	rVV	7985	11016	1.21%	0.108%
21	11.751	757	758	760	rVB	13972	12642	1.38%	0.124%
22	11.865	765	768	769	rBV	311107	433978	47.54%	4.267%
23	11.888	769	770	772	rVV	359923	256616	28.11%	2.523%
24	11.933	772	774	776	rVV	73591	88900	9.74%	0.874%
25	12.093	785	788	790	rBV2	32408	31364	3.44%	0.308%
26	12.391	811	814	815	rBV	36048	32705	3.58%	0.322%
27	12.414	815	816	818	rVV	36890	45999	5.04%	0.452%
28	12.471	818	821	823	rVV	23442	25893	2.84%	0.255%
29	12.516	823	825	829	rVV	79197	113962	12.48%	1.121%
30	12.574	829	830	834	rVV2	8913	11078	1.21%	0.109%
31	12.642	834	836	840	rVV4	4976	9918	1.09%	0.098%
32	12.699	840	841	843	rBV2	23232	33825	3.71%	0.333%
33	12.734	843	844	846	rVB	22255	19419	2.13%	0.191%
34	12.985	864	866	869	rBV2	16391	32861	3.60%	0.323%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080265.D
Acq On : 1 Jul 2015 8:50
Operator : TP/IZ
Sample : G2831-05 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3(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-BF061715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.088	873	875	878	rVB	23678	23243	2.55%	0.229%
36	13.179	880	883	885	rVV	617375	655027	71.76%	6.441%
37	13.316	893	895	896	rBV2	7252	10744	1.18%	0.106%
38	13.351	896	898	902	rVB2	22742	26536	2.91%	0.261%
39	13.442	902	906	909	rBV	620407	747520	81.89%	7.350%
40	13.499	909	911	913	rVV3	22314	36415	3.99%	0.358%
41	13.591	915	919	921	rVV2	274072	344393	37.73%	3.386%
42	13.694	925	928	933	rVV3	26172	67315	7.37%	0.662%
43	13.819	935	939	941	rVB	67016	112407	12.31%	1.105%
44	13.865	941	943	944	rBV	10046	12293	1.35%	0.121%
45	13.899	944	946	948	rVV	47593	62174	6.81%	0.611%
46	13.957	948	951	952	rBV2	35105	56680	6.21%	0.557%
47	14.025	955	957	958	rVB	11310	14898	1.63%	0.146%
48	14.071	958	961	962	rBV	15451	22375	2.45%	0.220%
49	14.105	962	964	966	rBV2	23572	34880	3.82%	0.343%
50	14.288	978	980	981	rBV	18175	22654	2.48%	0.223%
51	14.357	984	986	989	rVB2	14746	23980	2.63%	0.236%
52	14.448	989	994	997	rBV2	42354	88499	9.70%	0.870%
53	14.597	1004	1007	1008	rBV2	43635	68661	7.52%	0.675%
54	14.631	1008	1010	1011	rVV	51311	51008	5.59%	0.502%
55	14.665	1011	1013	1015	rVV2	38843	67671	7.41%	0.665%
56	14.711	1015	1017	1022	rVB	48946	83610	9.16%	0.822%
57	14.814	1024	1026	1028	rBV	14630	21904	2.40%	0.215%
58	14.917	1031	1035	1037	rVV2	516535	912802	100.00%	8.975%
59	14.951	1037	1038	1042	rVB	268154	289883	31.76%	2.850%
60	15.065	1045	1048	1050	rBV	53986	62161	6.81%	0.611%
61	15.168	1056	1057	1059	rVB	27046	24797	2.72%	0.244%
62	15.214	1059	1061	1064	rBV2	32832	49300	5.40%	0.485%
63	15.351	1071	1073	1075	rBV3	10790	14802	1.62%	0.146%
64	15.397	1075	1077	1078	rVV	12691	12887	1.41%	0.127%
65	15.442	1078	1081	1083	rVV	40671	58857	6.45%	0.579%
66	15.488	1083	1085	1087	rVB2	27596	35958	3.94%	0.354%
67	15.580	1090	1093	1094	rVV2	29491	41196	4.51%	0.405%
68	15.614	1094	1096	1098	rVV	22818	50215	5.50%	0.494%
69	15.648	1098	1099	1102	rVV3	36826	39777	4.36%	0.391%
70	15.717	1102	1105	1108	rVV4	17782	47468	5.20%	0.467%
71	15.865	1116	1118	1121	rBV3	16992	38948	4.27%	0.383%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080265.D
Acq On : 1 Jul 2015 8:50
Operator : TP/IZ
Sample : G2831-05 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3(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-BF061715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	16.014	1126	1131	1134	rBV5	21740	84712	9.28%	0.833%
73	16.322	1155	1158	1165	rBV	242707	639518	70.06%	6.288%
74	16.460	1168	1170	1172	rVB	54484	70787	7.75%	0.696%
75	16.700	1188	1191	1195	rVB	132426	221766	24.30%	2.181%
76	16.780	1195	1198	1202	rVV	196660	295305	32.35%	2.904%
77	16.860	1202	1205	1207	rVV	314507	441727	48.39%	4.343%
78	16.894	1207	1208	1216	rVB2	57330	106785	11.70%	1.050%
79	17.763	1282	1284	1292	rVB7	18579	47197	5.17%	0.464%
80	18.323	1331	1333	1337	rVB4	18524	37964	4.16%	0.373%
81	18.700	1362	1366	1371	rBV2	80694	193011	21.14%	1.898%
82	18.917	1383	1385	1388	rVB	13361	25491	2.79%	0.251%
83	19.248	1410	1414	1425	rVB	61988	183358	20.09%	1.803%
84	19.546	1437	1440	1443	rVB	15839	35969	3.94%	0.354%

Sum of corrected areas: 10169953

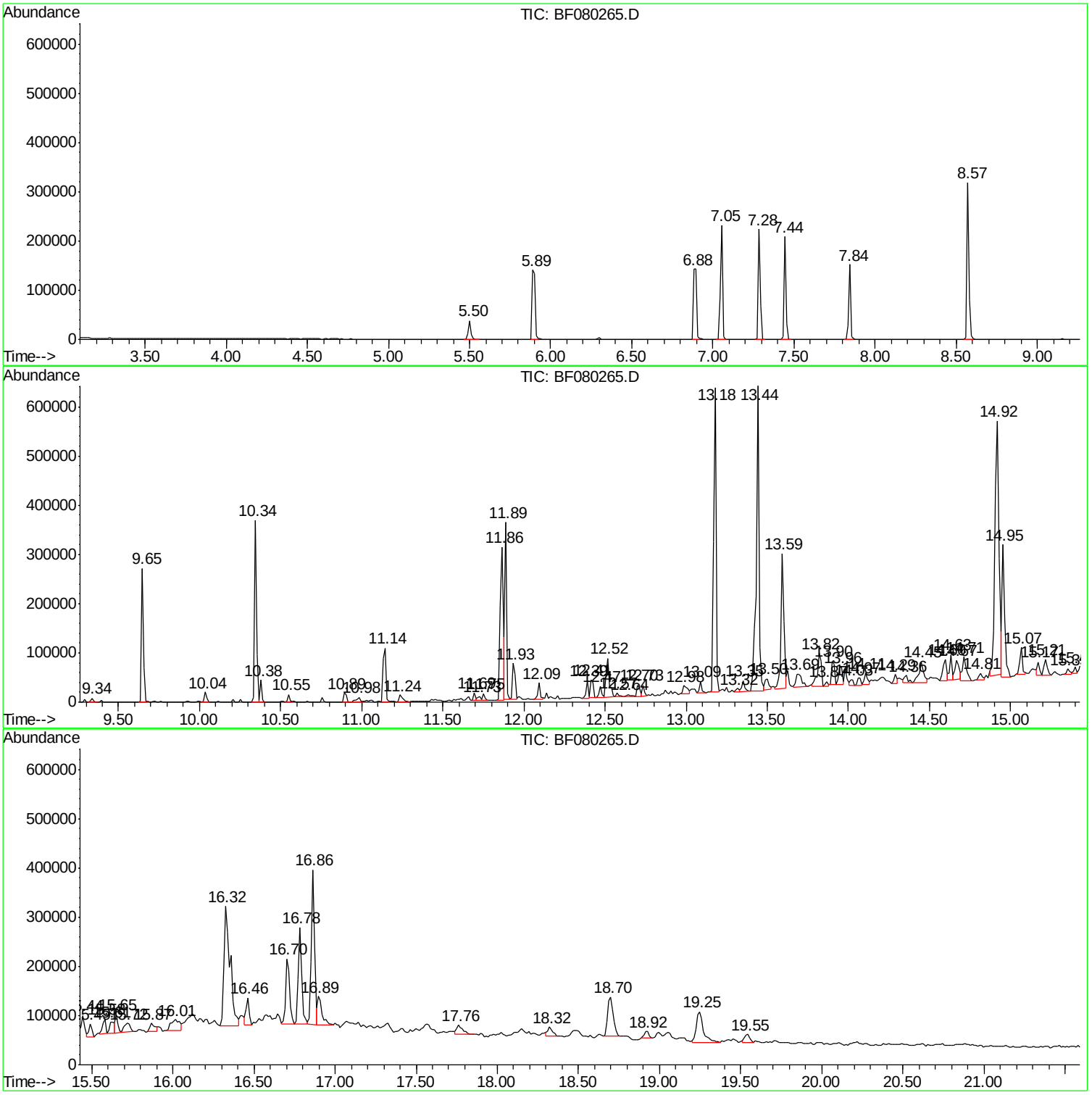
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080265.D
Acq On : 1 Jul 2015 8:50
Operator : TP/IZ
Sample : G2831-05 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.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\BF063015\
Data File : BF080265.D
Acq On : 1 Jul 2015 8:50
Operator : TP/IZ
Sample : G2831-05 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

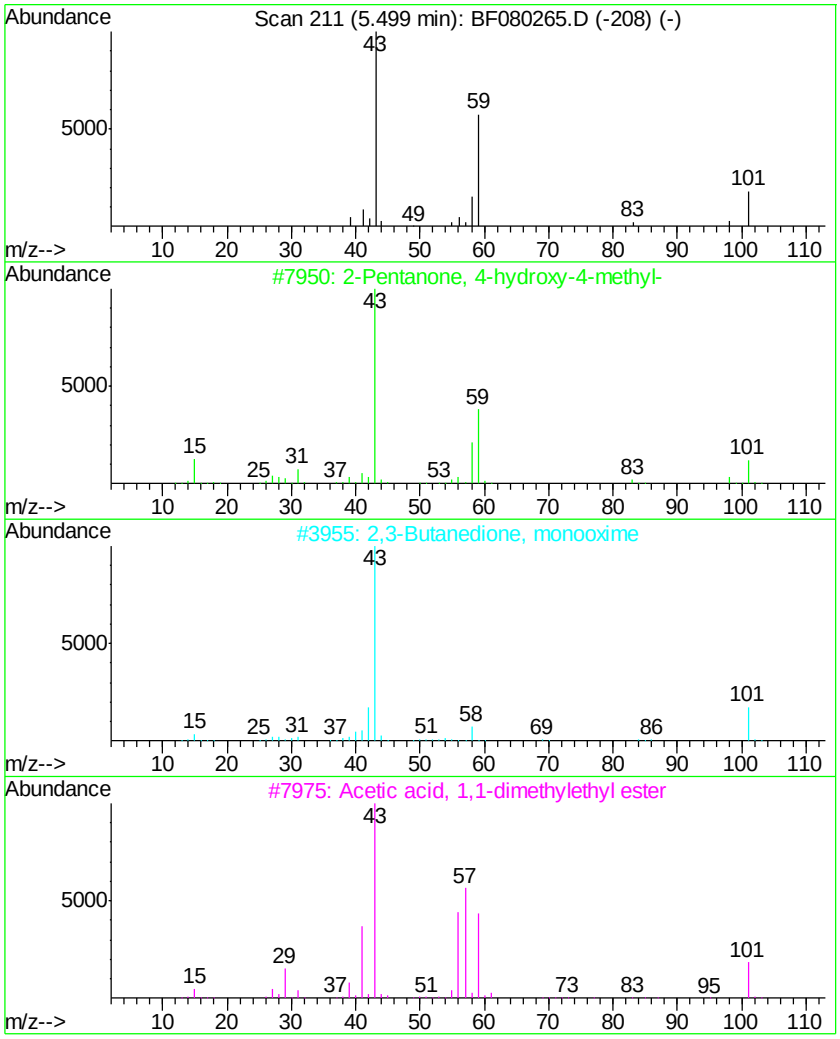
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

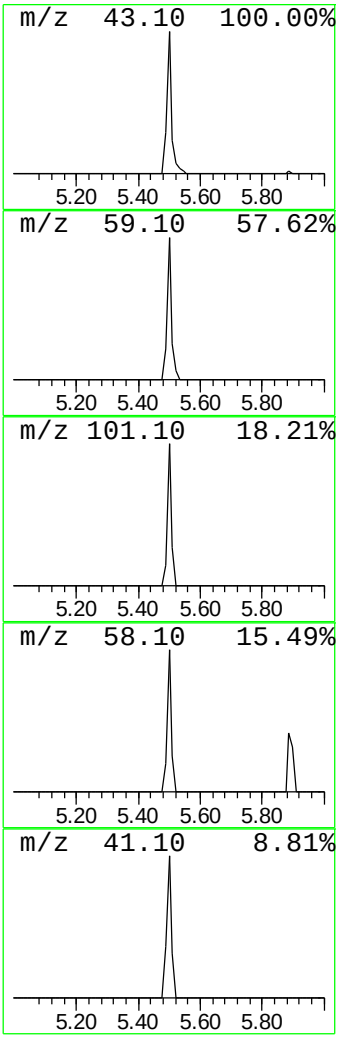
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.50	4.09 ng	41345	1,4-Dichlorobenzene-d4	7.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
5	3-Hexanol	102	C6H14O	000623-37-0	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080265.D
Acq On : 1 Jul 2015 8:50
Operator : TP/IZ
Sample : G2831-05 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

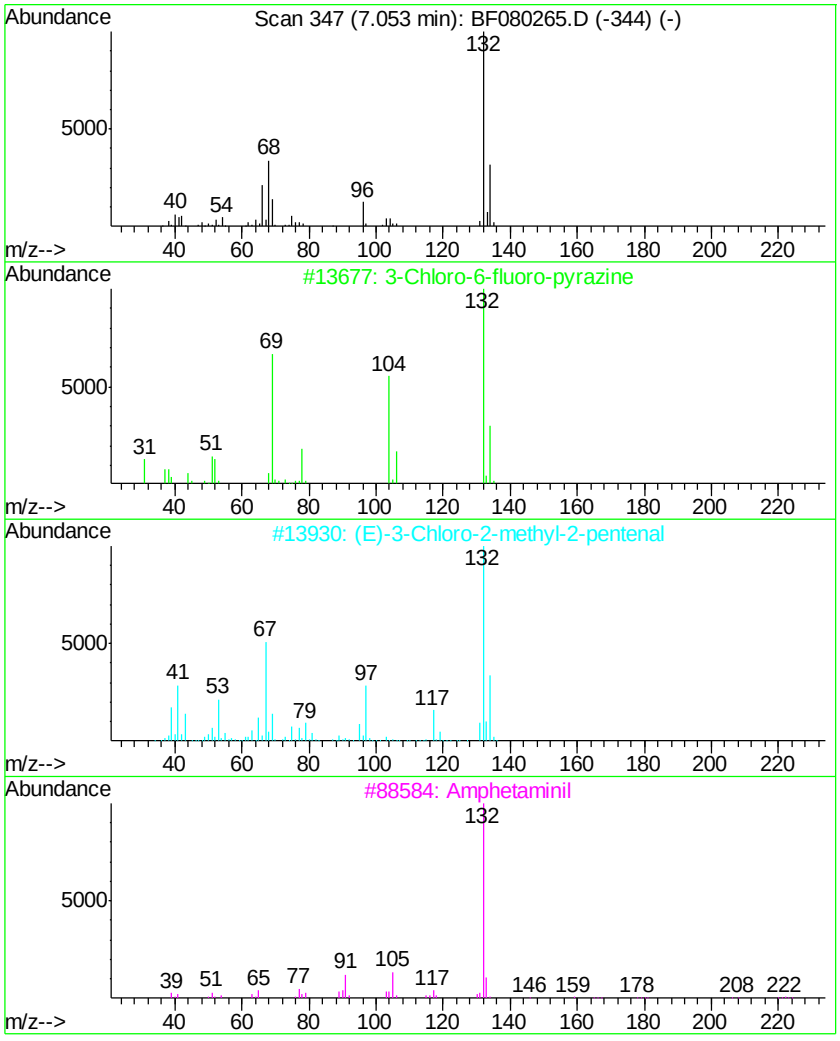
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

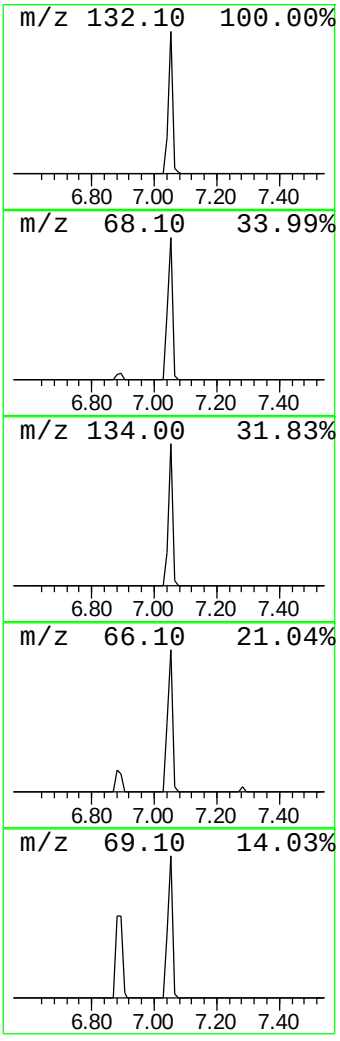
****

Peak Number 2 unknown7.05 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	21.65 ng	218899	1,4-Dichlorobenzene-d4	7.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080265.D
Acq On : 1 Jul 2015 8:50
Operator : TP/IZ
Sample : G2831-05 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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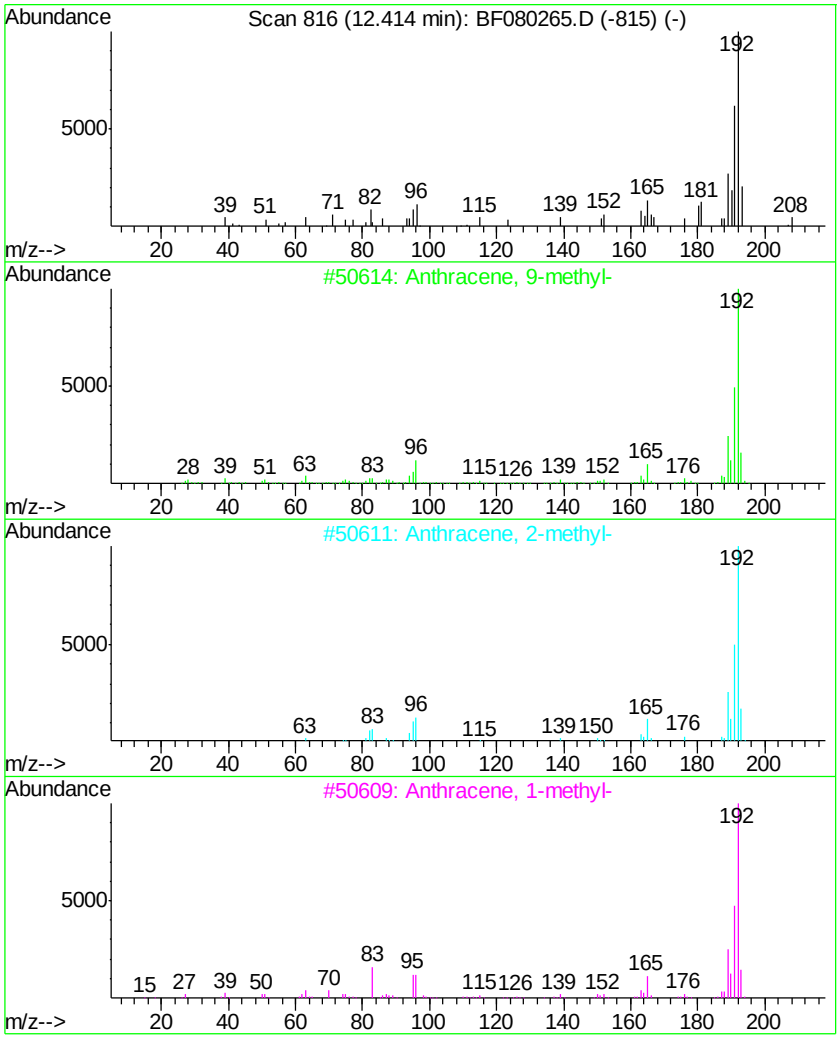
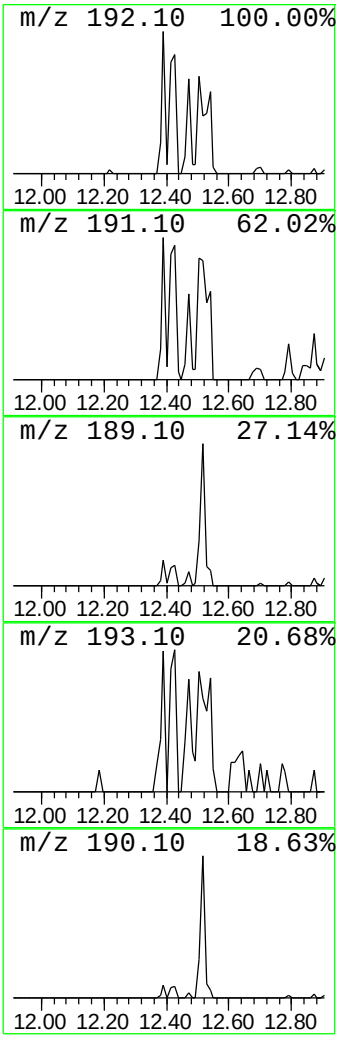
****

Peak Number 4 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	2.12 ng	45999	Phenanthrene-d10	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86





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Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

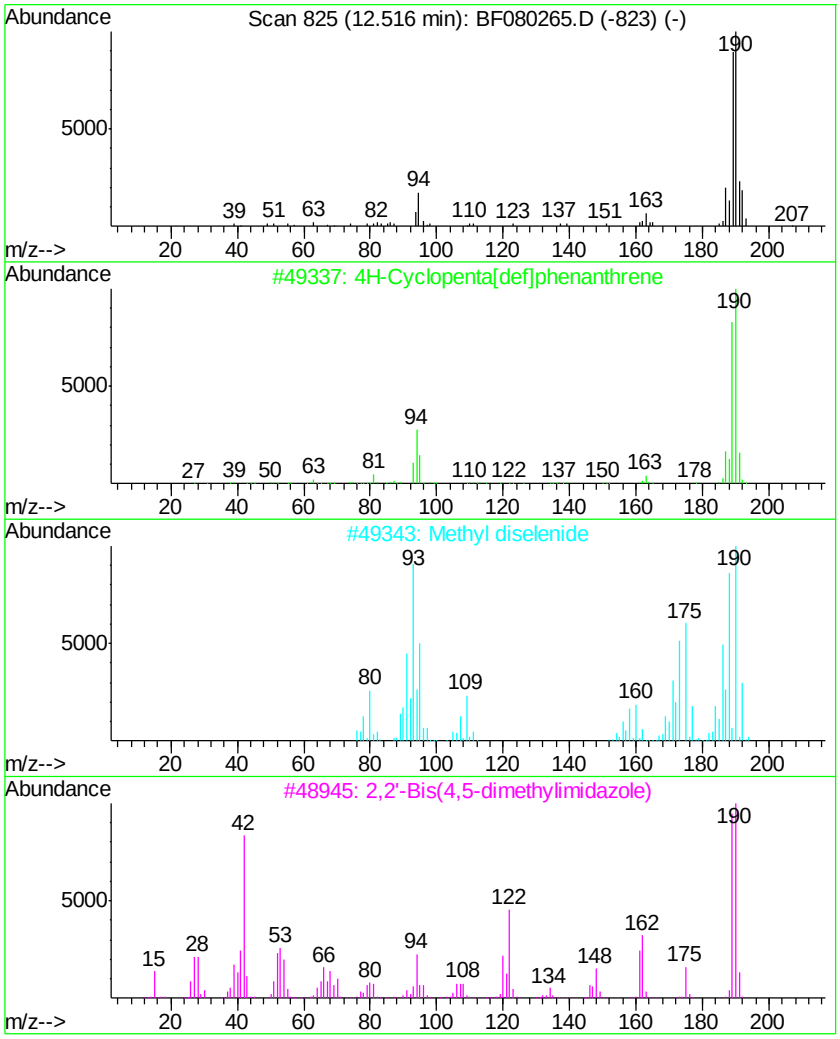
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

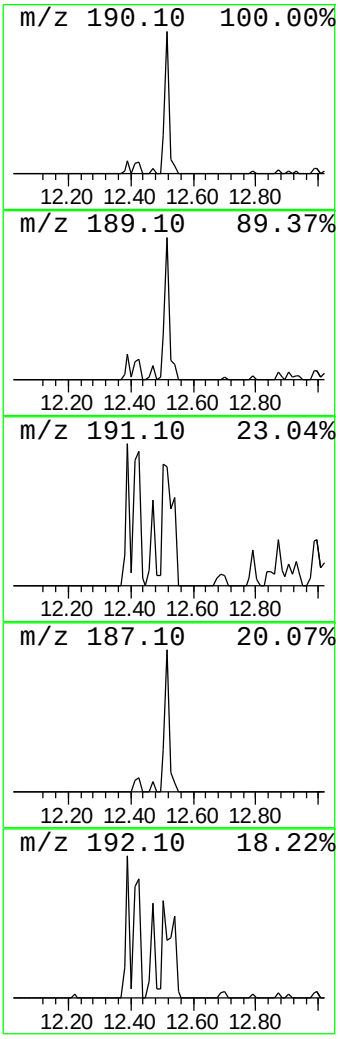
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	5.25 ng	113962	Phenanthrene-d10	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5	4-Cyano-4-hydroxy-3-methyl-2-phe...	216	C13H16N2O	1000216-11-7	22





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
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Sample : G2831-05 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

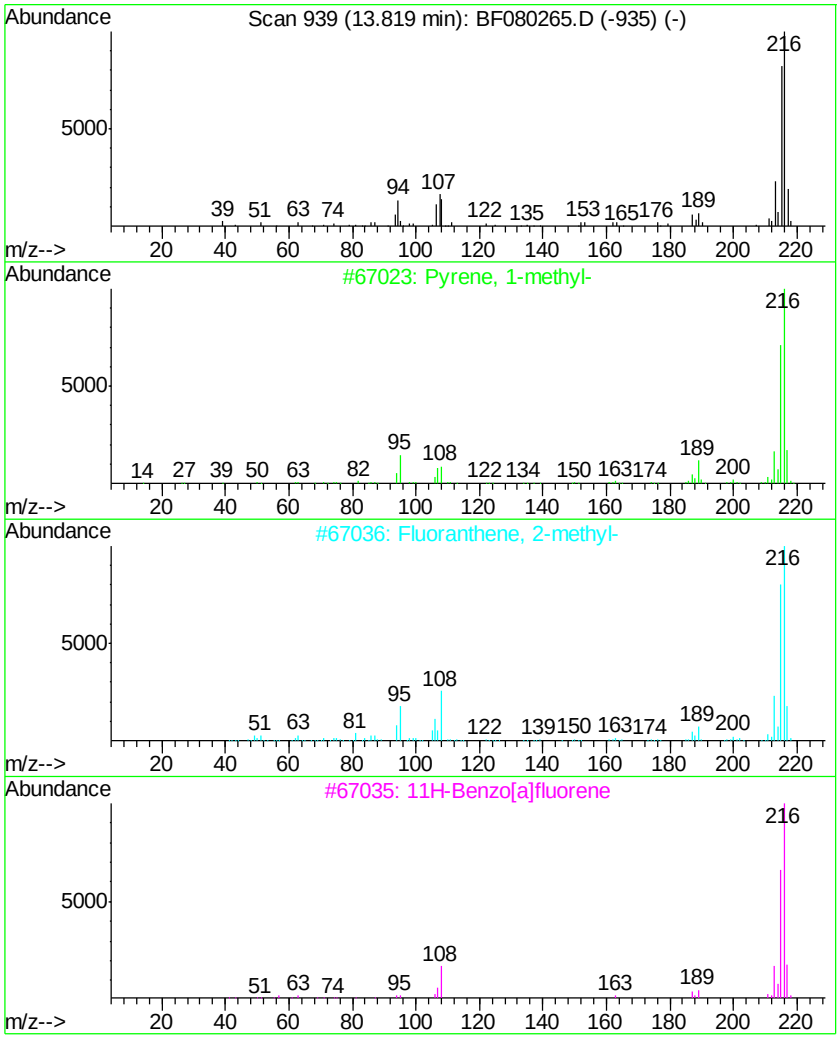
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

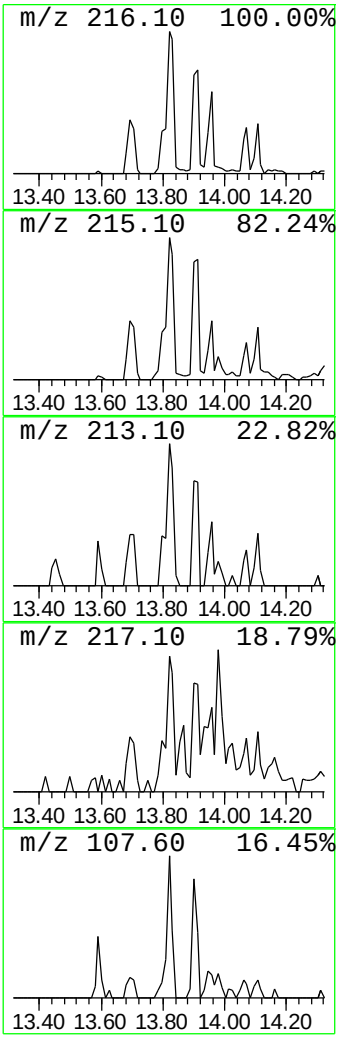
****

Peak Number 6 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	2.46 ng	112407	Chrysene-d12	14.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080265.D
Acq On : 1 Jul 2015 8:50
Operator : TP/IZ
Sample : G2831-05 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

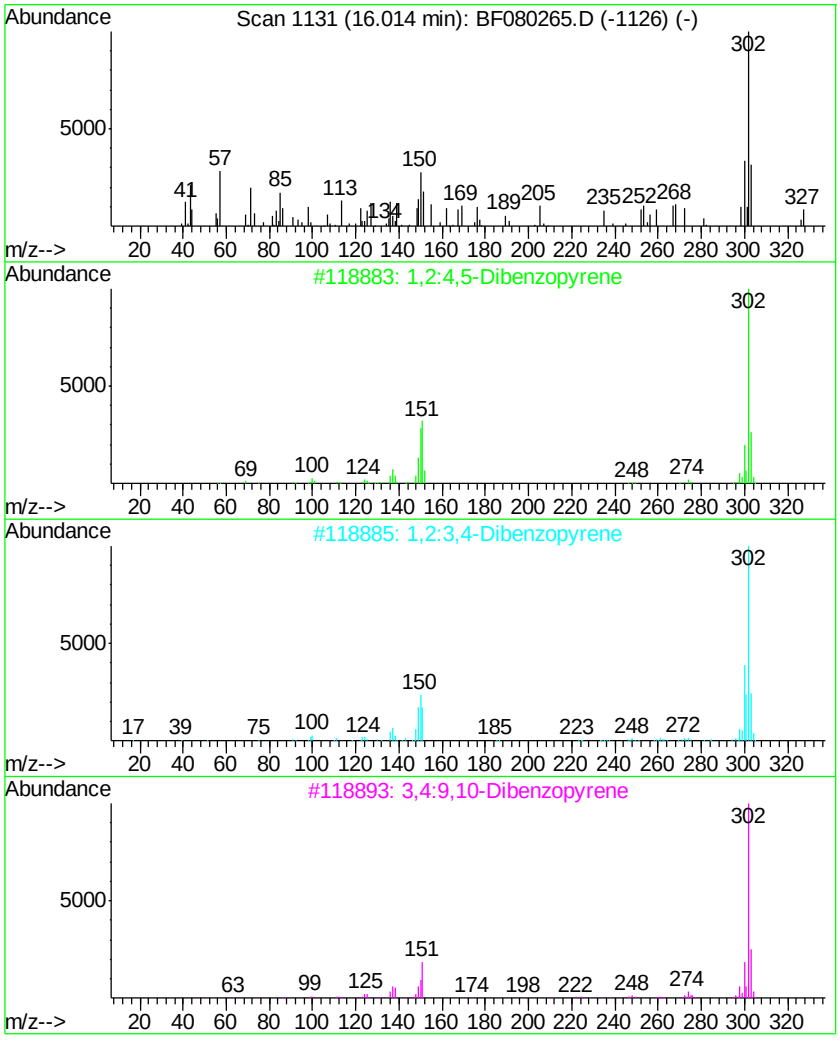
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

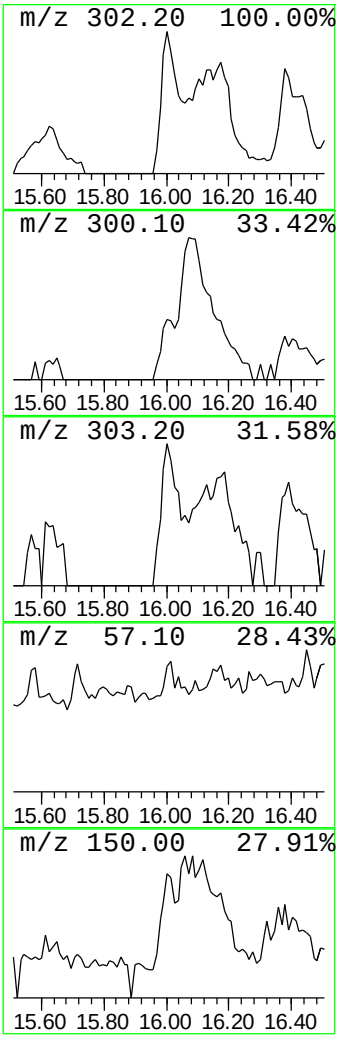
****

Peak Number 7 1,2:4,5-Dibenzopyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	3.84 ng	84712	Perylene-d12	16.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	53
2	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	52
3	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	47
4	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	47
5	Estra-1,3,5(10)-triene-4,17-diol...	302	C19H26O3	005976-66-9	43





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Data File : BF080265.D
Acq On : 1 Jul 2015 8:50
Operator : TP/IZ
Sample : G2831-05 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.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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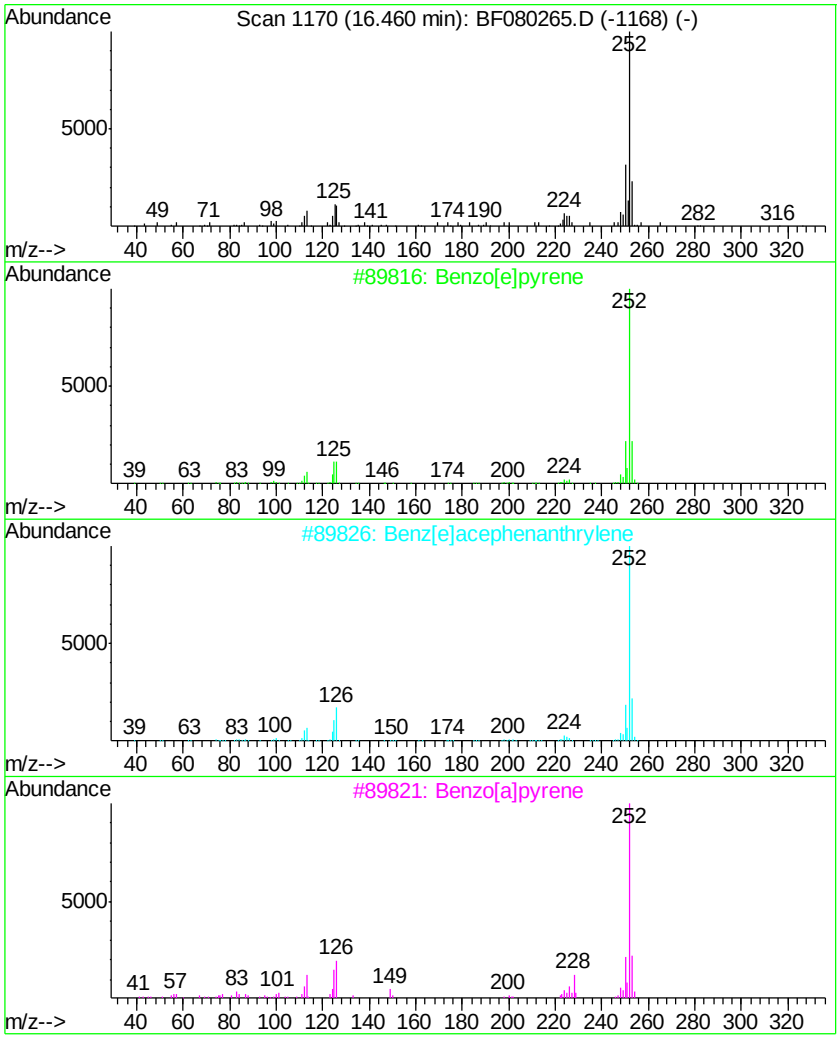
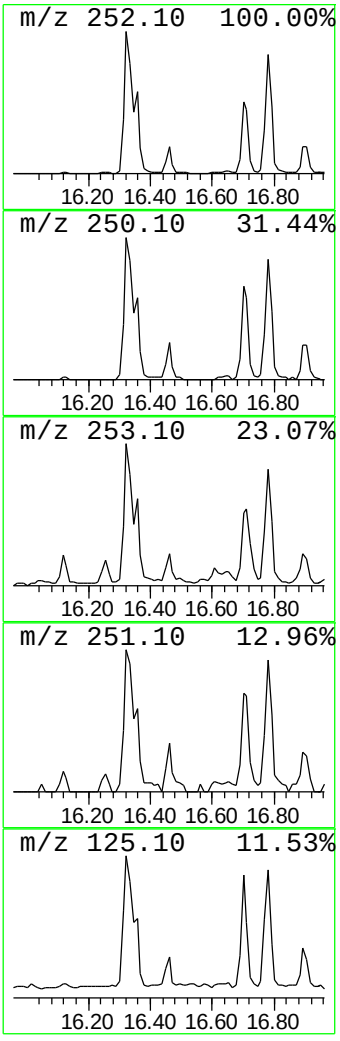
Peak Number 8 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	3.21 ng	70787	Perylene-d12	16.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080265.D
Acq On : 1 Jul 2015 8:50
Operator : TP/IZ
Sample : G2831-05 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.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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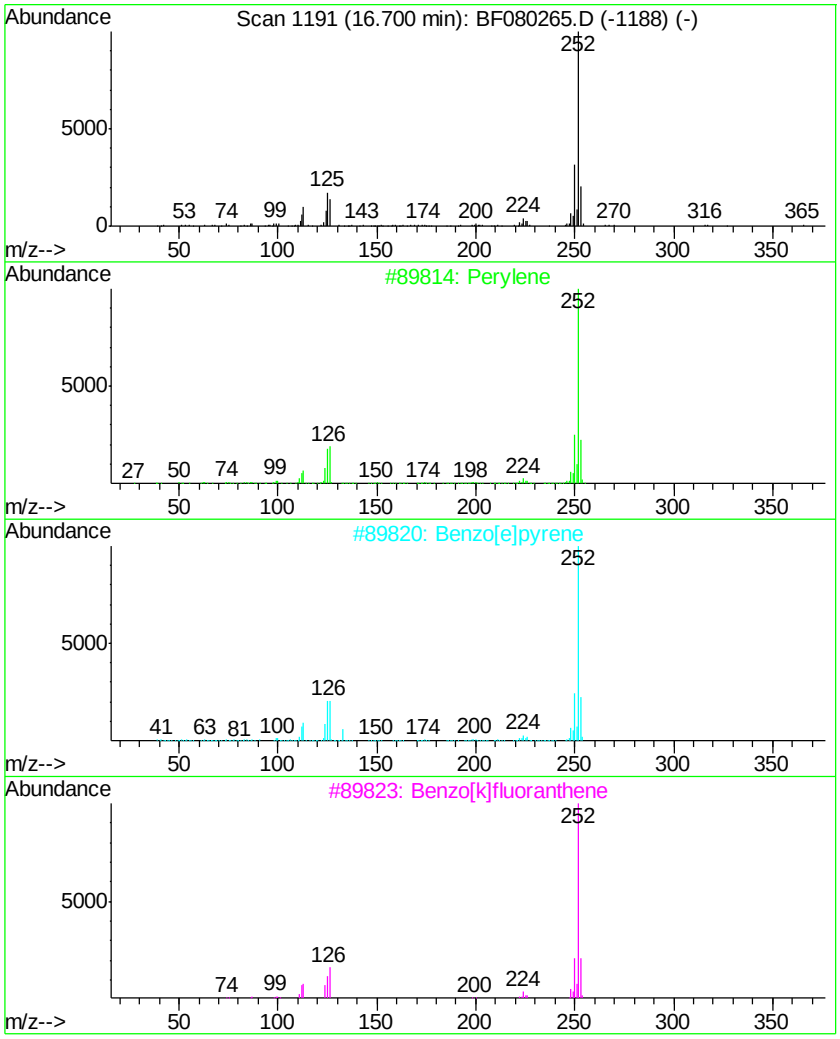
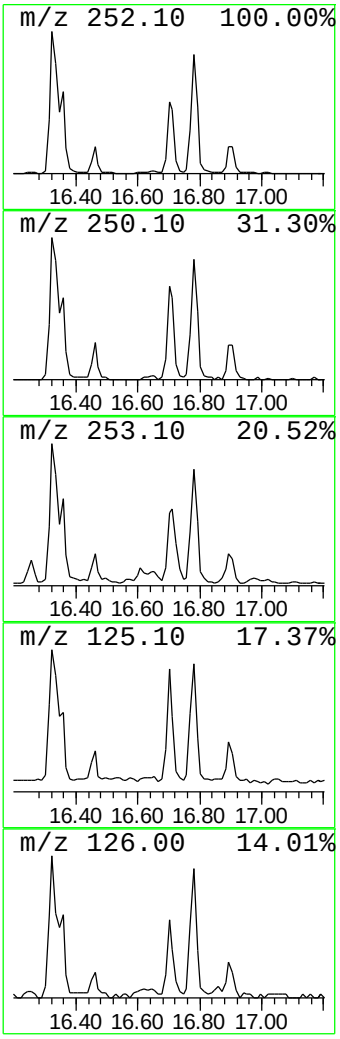
Peak Number 9 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	10.04 ng	221766	Perylene-d12	16.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	94
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080265.D
Acq On : 1 Jul 2015 8:50
Operator : TP/IZ
Sample : G2831-05 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.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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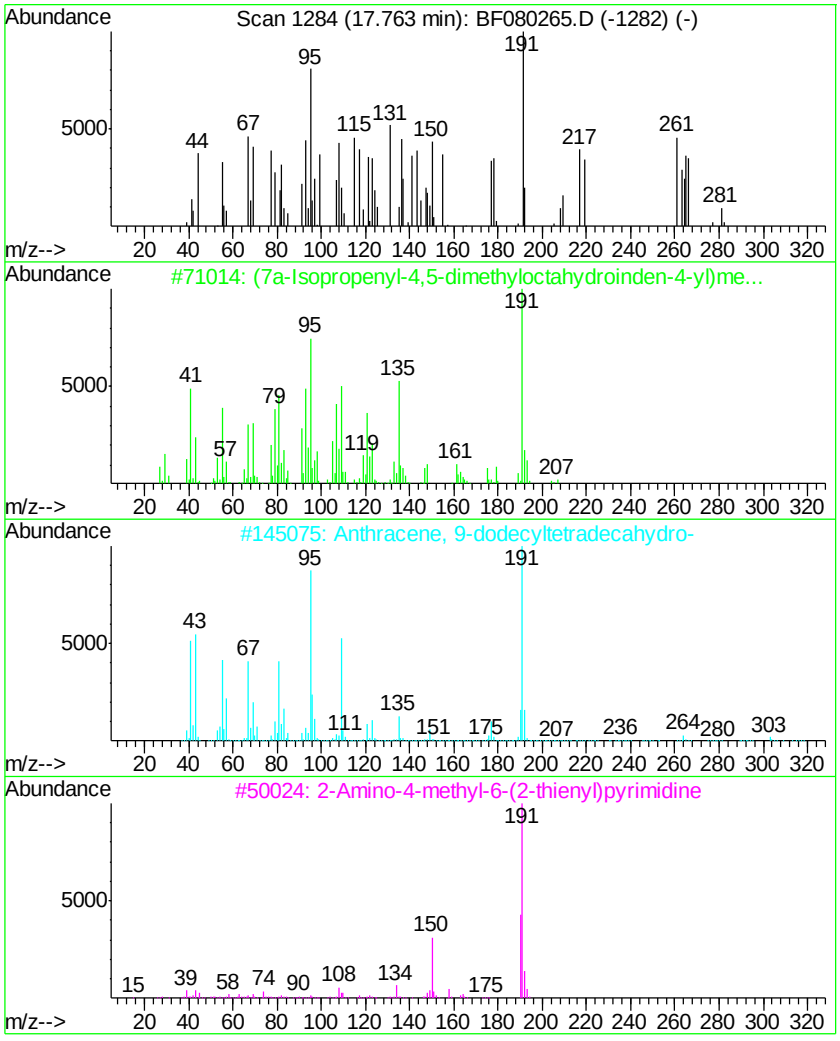
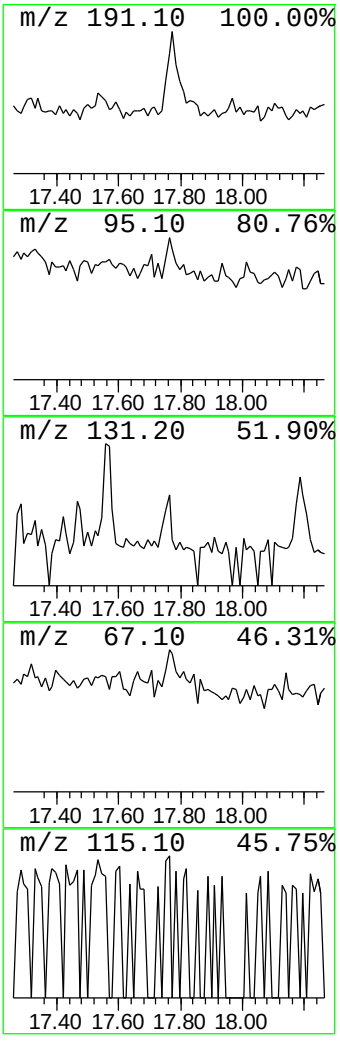
Peak Number 10 unknown17.76 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.76	2.14 ng	47197	Perylene-d12	16.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(7a-Isopropenyl-4,5-dimethylocta...	222	C15H26O	1000187-02-9	25
2	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	25
3	2-Amino-4-methyl-6-(2-thienyl)py...	191	C9H9N3S	026963-43-9	22
4	Tricyclo[4.4.0.0(2,8)]dec-3-en-5-ol	150	C10H14O	1000193-38-7	14
5	Propenamide, 3-(3-methoxyphenyl)...	191	C11H13NO2	1000259-85-9	11





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
Data File : BF080265.D
Acq On : 1 Jul 2015 8:50
Operator : TP/IZ
Sample : G2831-05 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.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...	5.50	4.1	ng	41345	1	7.28	202191	20.0
unknown7.05	7.05	21.6	ng	218899	1	7.28	202191	20.0
Anthracene, 9-met...	12.41	2.1	ng	45999	4	11.86	433978	20.0
4H-Cyclopenta[def...	12.52	5.3	ng	113962	4	11.86	433978	20.0
Pyrene, 1-methyl-	13.82	2.5	ng	112407	5	14.92	912802	20.0
1,2:4,5-Dibenzopy...	16.01	3.8	ng	84712	6	16.86	441727	20.0
Benzo[e]pyrene	16.46	3.2	ng	70787	6	16.86	441727	20.0
Perylene	16.70	10.0	ng	221766	6	16.86	441727	20.0
unknown17.76	17.76	2.1	ng	47197	6	16.86	441727	20.0