LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084135.D
Acq On : 25 Dec 2015 18:18
Operator : UM/SJ
Sample : G4957-02
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP001

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-BF122415.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	3.721	140	143	150	rVB	66912	121434	6.34%	0.503%
2	4.979	251	253	264	rVB	198388	296937	15.50%	1.229%
3	5.424	289	292	294	rBV	1196083	1474796	77.00%	6.104%
4	6.453	379	382	384	rBV	1356088	1340177	69.97%	5.547%
5	6.567	390	392	395	rBV	1281658	1479250	77.23%	6.123%
6	6.796	410	412	415	rBV	355306	299133	15.62%	1.238%
7	6.956	424	426	428	rBV	1251709	1264563	66.03%	5.234%
8	7.367	459	462	464	rBV	874821	1001070	52.27%	4.144%
9	8.076	523	524	529	rBV	322370	624225	32.59%	2.584%
10	8.796	585	587	590	rBB	142152	118180	6.17%	0.489%
11	8.899	594	596	598	rVB	61658	65660	3.43%	0.272%
12	9.162	616	619	621	rBV	1870663	1915272	100.00%	7.928%
13	9.265	625	628	630	rVV	24625	29069	1.52%	0.120%
14	9.425	640	642	645	rBB	34819	42672	2.23%	0.177%
15	9.493	646	648	650	rBV	57423	63901	3.34%	0.264%
16	9.550	652	653	656	rVV	220327	212628	11.10%	0.880%
17	9.619	656	659	662	rVB2	21324	30236	1.58%	0.125%
18	9.836	675	678	679	rBV	453777	456057	23.81%	1.888%
19	9.870	679	681	683	rVB	223094	290744	15.18%	1.203%
20	9.996	690	692	694	rVB2	15233	20205	1.05%	0.084%
21	10.042	694	696	698	rVV	257810	232547	12.14%	0.963%
22	10.248	710	714	715	rBV	12660	20549	1.07%	0.085%
23	10.271	715	716	718	rVB	34126	24644	1.29%	0.102%
24	10.385	724	726	728	rBV	312713	342256	17.87%	1.417%
25	10.465	731	733	735	rVV2	40101	60895	3.18%	0.252%
26	10.545	738	740	742	rVV	52253	59156	3.09%	0.245%
27	10.625	744	747	749	rVV	1244278	1175012	61.35%	4.864%
28	10.671	749	751	754	rVB	19500	23450	1.22%	0.097%
29	10.739	755	757	761	rVB2	31022	46403	2.42%	0.192%
30	10.933	770	774	775	rBV2	60612	89266	4.66%	0.369%
31	10.956	775	776	778	rVV	27123	29500	1.54%	0.122%
32	11.013	778	781	782	rVV2	21360	28433	1.48%	0.118%
33	11.082	782	787	790	rVV3	27251	63538	3.32%	0.263%
34	11.128	790	791	793	rVV	36510	42446	2.22%	0.176%

LSC Area Percent Report

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Acq On : 25 Dec 2015 18:18
Operator : UM/SJ
Sample : G4957-02
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP001

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-BF122415.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.174	793	795	797	rVV2	50517	65199	3.40%	0.270%
36	11.219	797	799	802	rVB	77358	100250	5.23%	0.415%
37	11.345	808	810	812	rVB	1792411	1608614	83.99%	6.658%
38	11.391	812	814	816	rVV	425958	443880	23.18%	1.837%
39	11.436	816	818	821	rVB	30384	33862	1.77%	0.140%
40	11.551	825	828	832	rBV	232526	218478	11.41%	0.904%
41	11.608	832	833	836	rVV	16182	22609	1.18%	0.094%
42	11.665	836	838	840	rVB2	12559	19588	1.02%	0.081%
43	11.814	849	851	853	rBV	104747	145801	7.61%	0.603%
44	11.848	853	854	856	rVV	243655	195836	10.22%	0.811%
45	11.894	856	858	860	rVV	79990	86498	4.52%	0.358%
46	11.928	860	861	866	rVB2	224771	304149	15.88%	1.259%
47	12.111	875	877	879	rVV	110626	89755	4.69%	0.372%
48	12.145	879	880	883	rVB	31561	37295	1.95%	0.154%
49	12.259	888	890	892	rBV	20696	26905	1.40%	0.111%
50	12.294	892	893	894	rBV	21957	20666	1.08%	0.086%
51	12.374	898	900	901	rBV	51631	60623	3.17%	0.251%
52	12.408	901	903	906	rVB2	36364	58469	3.05%	0.242%
53	12.465	906	908	912	rVB2	26393	40868	2.13%	0.169%
54	12.534	912	914	916	rBV	1131794	1103097	57.59%	4.566%
55	12.682	925	927	929	rBV	37730	31262	1.63%	0.129%
56	12.762	930	934	936	rVV2	664048	971968	50.75%	4.023%
57	12.808	936	938	943	rVV2	35025	44285	2.31%	0.183%
58	12.899	943	946	948	rVV	1598753	1536149	80.21%	6.358%
59	12.979	951	953	959	rVB3	42331	94036	4.91%	0.389%
60	13.094	959	963	965	rBV	99541	177234	9.25%	0.734%
61	13.151	966	968	970	rVV	119126	115554	6.03%	0.478%
62	13.197	970	972	975	rVV2	65751	110241	5.76%	0.456%
63	13.288	978	980	981	rVV	30087	29484	1.54%	0.122%
64	13.322	981	983	987	rVB2	25637	42638	2.23%	0.176%
65	13.517	994	1000	1003	rBV3	22808	73229	3.82%	0.303%
66	13.574	1003	1005	1006	rVV	19161	24319	1.27%	0.101%
67	13.608	1006	1008	1011	rVV	31439	46590	2.43%	0.193%
68	13.711	1014	1017	1020	rVV	48379	102381	5.35%	0.424%
69	13.757	1020	1021	1022	rVV	27262	36251	1.89%	0.150%
70	13.814	1022	1026	1029	rVV4	57270	131292	6.86%	0.543%
71	13.951	1035	1038	1040	rVV2	490418	789911	41.24%	3.270%

LSC Area Percent Report

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Acq On : 25 Dec 2015 18:18
Operator : UM/SJ
Sample : G4957-02
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP001

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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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.985	1040	1041	1043	rVV	223353	177739	9.28%	0.736%
73	14.065	1045	1048	1050	rVB2	36357	44998	2.35%	0.186%
74	14.122	1050	1053	1055	rBV3	12211	28104	1.47%	0.116%
75	14.191	1057	1059	1061	rVB2	25166	33242	1.74%	0.138%
76	14.351	1070	1073	1074	rBV	33432	39292	2.05%	0.163%
77	14.488	1082	1085	1087	rVB3	19969	35386	1.85%	0.146%
78	14.671	1097	1101	1104	rBV2	13162	27266	1.42%	0.113%
79	14.980	1125	1128	1136	rBV	166268	351355	18.34%	1.454%
80	15.082	1136	1137	1140	rVB	28038	28461	1.49%	0.118%
81	15.174	1143	1145	1147	rBV2	9098	20911	1.09%	0.087%
82	15.265	1150	1153	1156	rVV	69995	111968	5.85%	0.463%
83	15.322	1156	1158	1161	rVV	130957	165368	8.63%	0.684%
84	15.380	1161	1163	1165	rVV	173559	271936	14.20%	1.126%
85	15.414	1165	1166	1170	rVB2	30671	40723	2.13%	0.169%
86	15.551	1176	1178	1180	rBV2	11111	19501	1.02%	0.081%
87	15.597	1180	1182	1186	rVB	12468	25217	1.32%	0.104%
88	16.591	1264	1269	1272	rBV2	10148	22809	1.19%	0.094%
89	16.774	1282	1285	1291	rBV	53495	119449	6.24%	0.494%
90	16.945	1297	1300	1303	rBV2	11922	25031	1.31%	0.104%
91	17.197	1320	1322	1329	rBV	37811	88947	4.64%	0.368%
92	17.460	1340	1345	1353	rVB2	8812	28475	1.49%	0.118%
93	19.380	1509	1513	1523	rBV2	6517	29723	1.55%	0.123%

Sum of corrected areas: 24159471

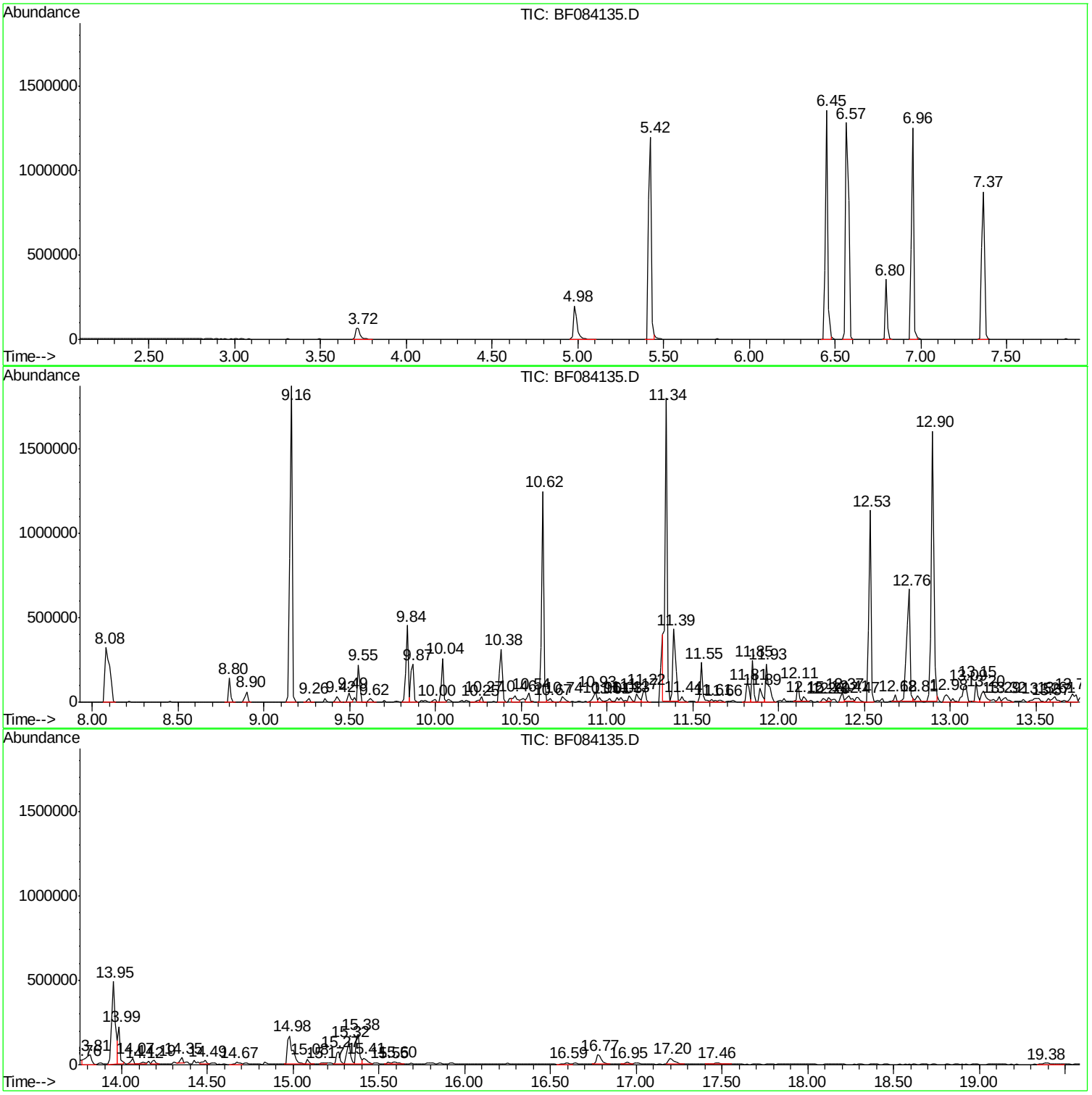
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084135.D
Acq On : 25 Dec 2015 18:18
Operator : UM/SJ
Sample : G4957-02
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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\BF122515\
Data File : BF084135.D
Acq On : 25 Dec 2015 18:18
Operator : UM/SJ
Sample : G4957-02
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

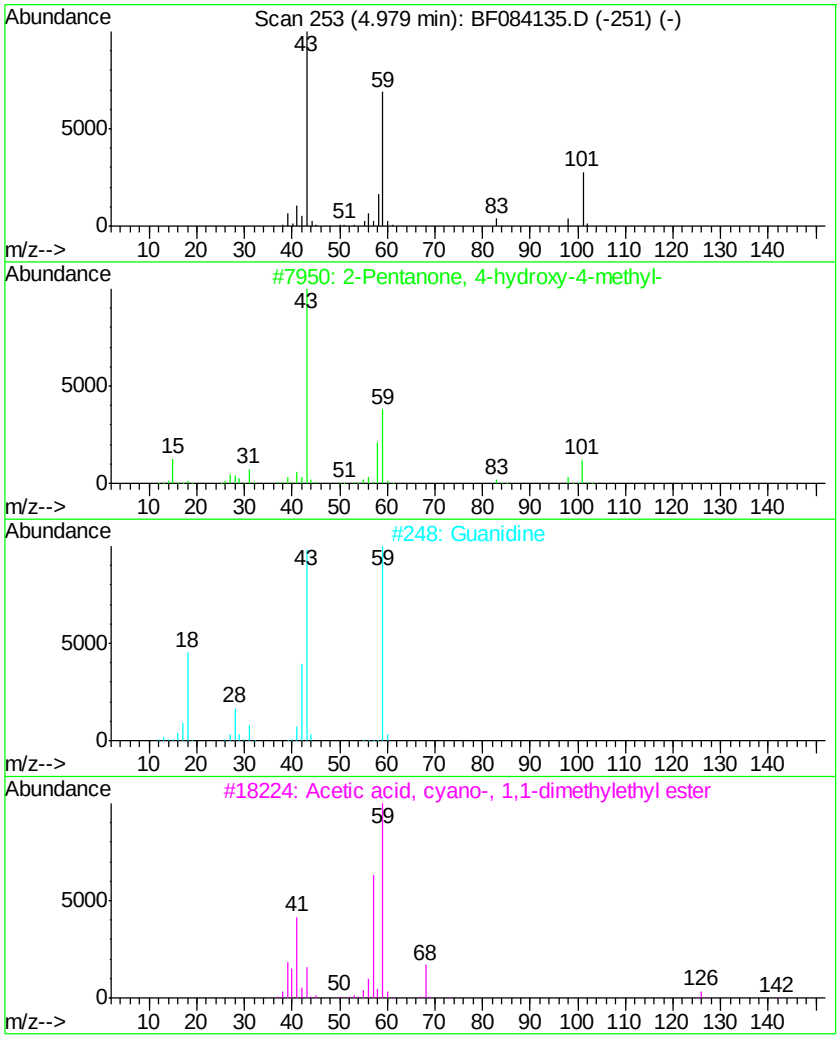
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

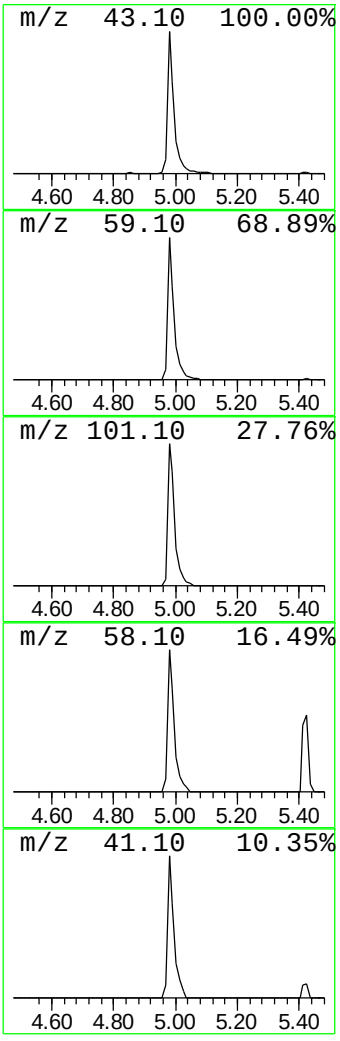
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.98	19.85 ng	296937	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Guanidine	59	CH5N3	000113-00-8	43
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	Acetone	58	C3H6O	000067-64-1	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





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Data File : BF084135.D
Acq On : 25 Dec 2015 18:18
Operator : UM/SJ
Sample : G4957-02
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

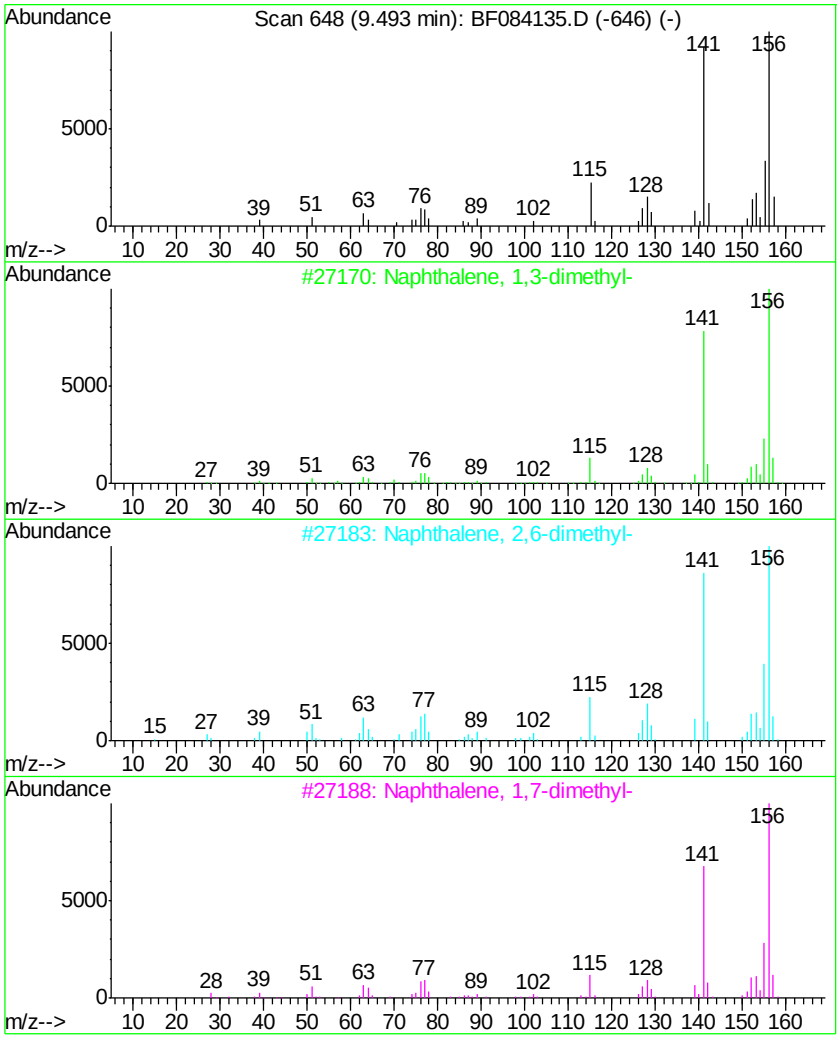
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

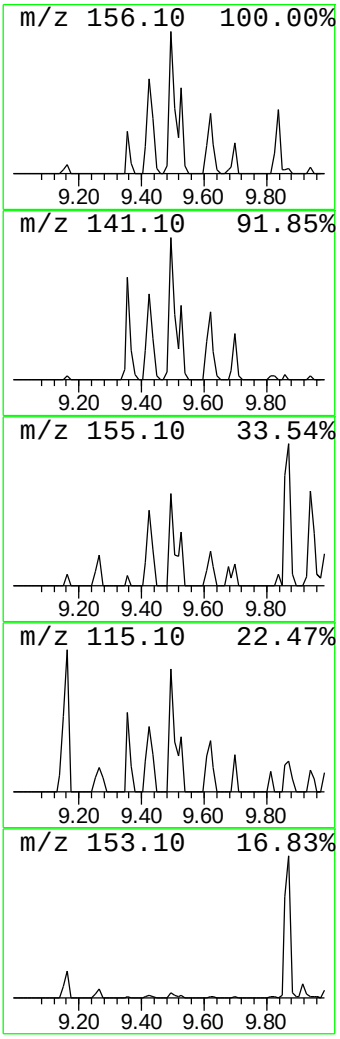
****

Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	2.80 ng	63901	Acenaphthene-d10	9.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





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Operator : UM/SJ
Sample : G4957-02
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Instrument : BNA_F
ClientSampleId : DUP001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

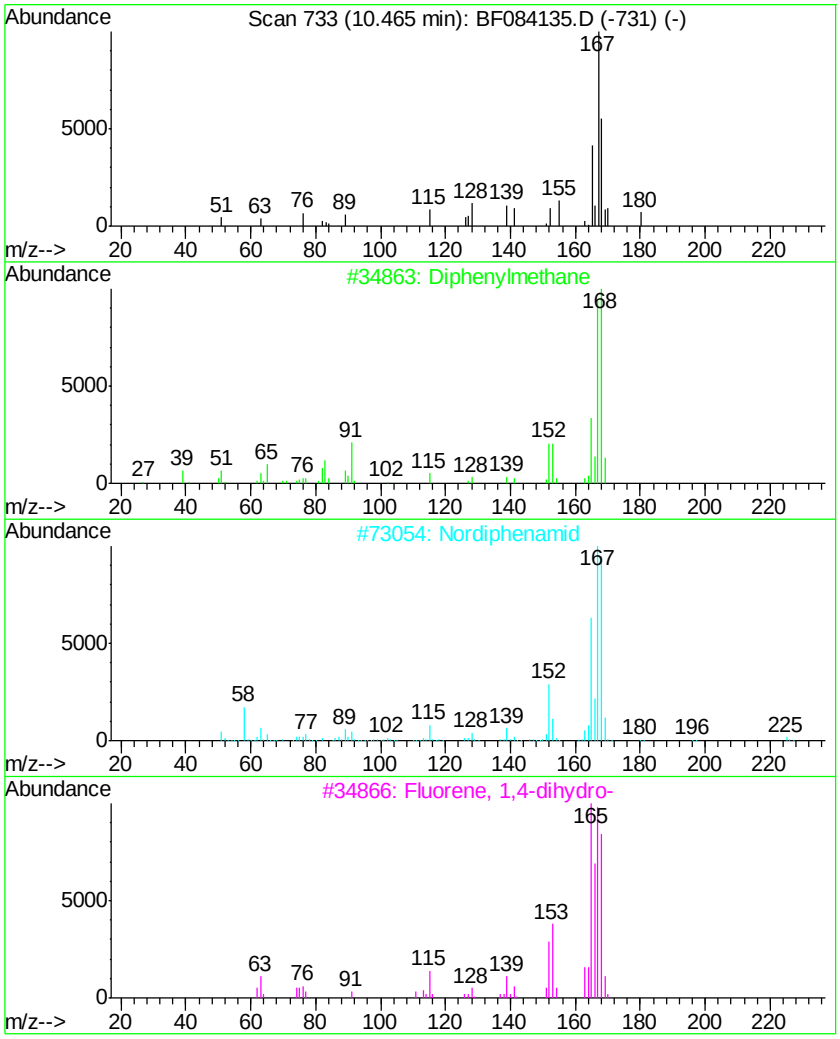
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

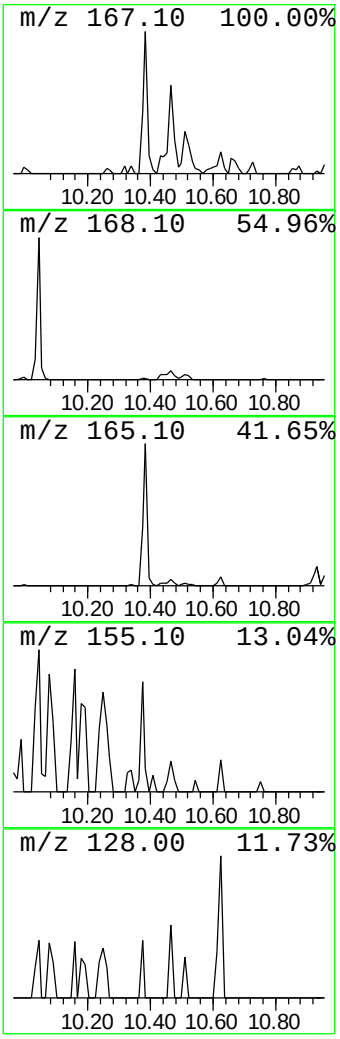
****

Peak Number 7 unknown10.46 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	2.67 ng	60895	Acenaphthene-d10	9.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	35
2	Nordiphenamid	225	C15H15NO	000954-21-2	28
3	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	27
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	27
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	25





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

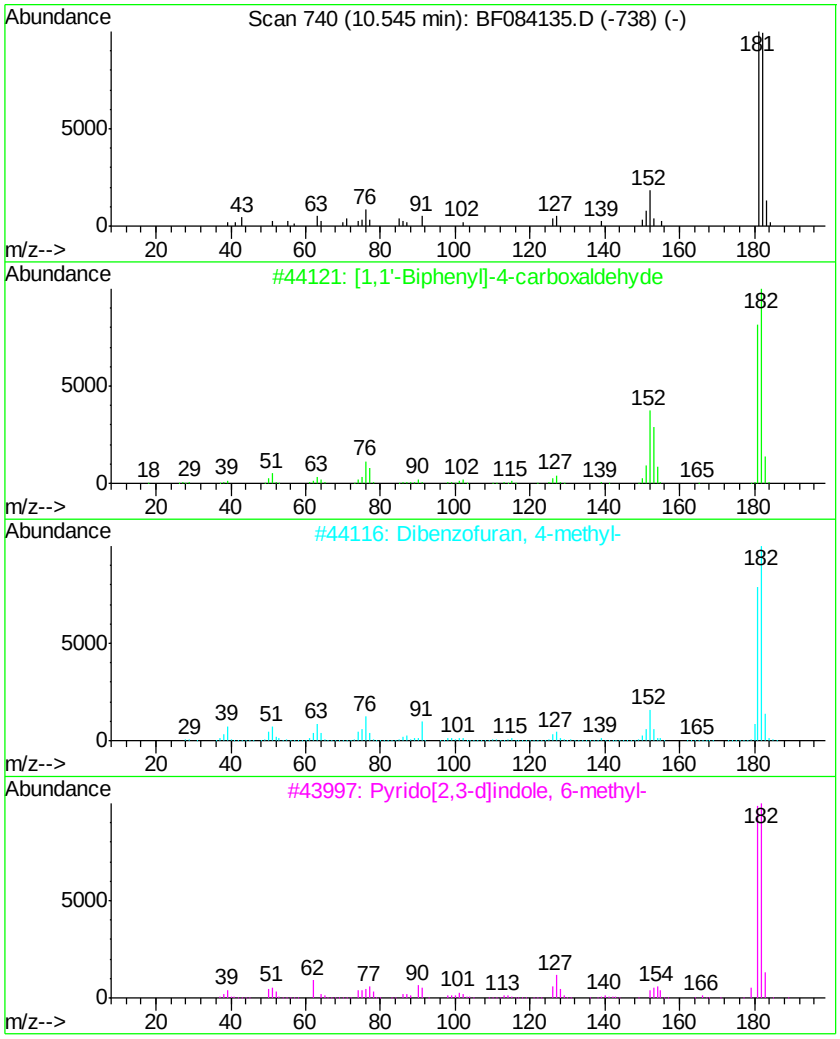
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

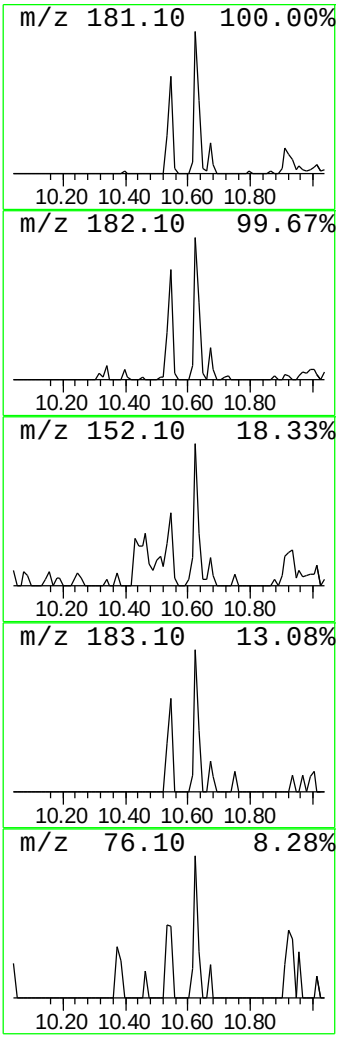
****

Peak Number 8 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	2.59 ng	59156	Acenaphthene-d10	9.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
3	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	56





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Operator : UM/SJ
Sample : G4957-02
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

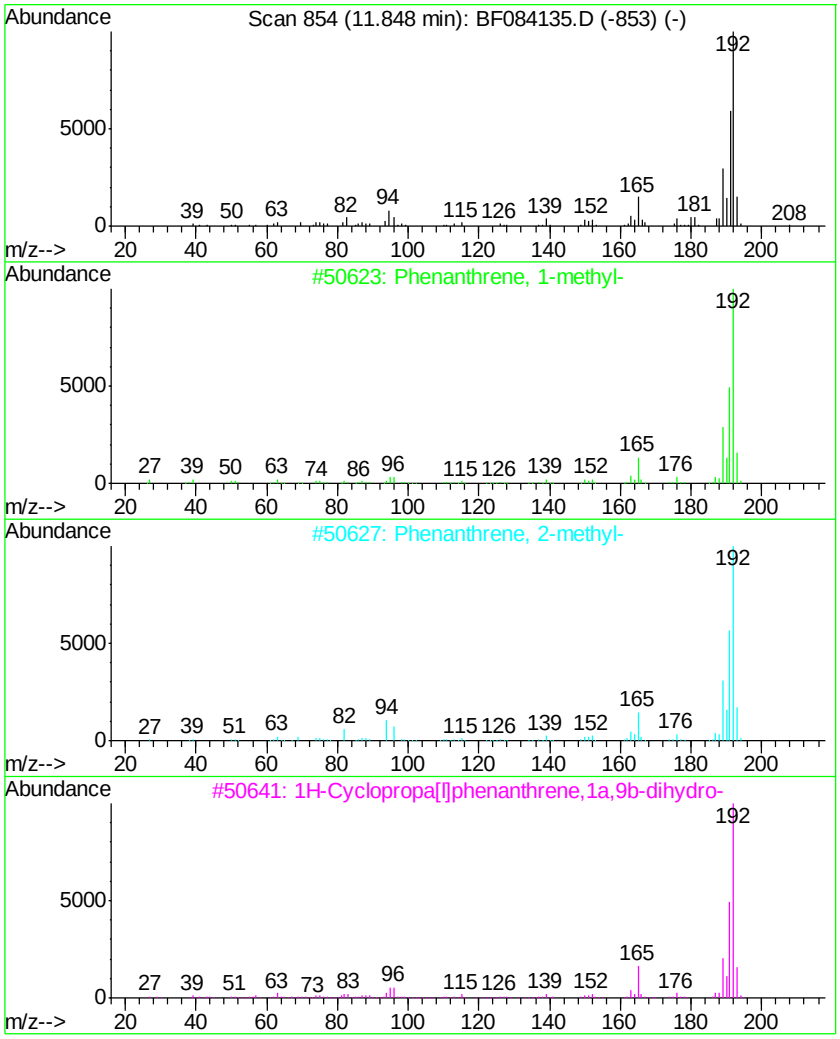
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

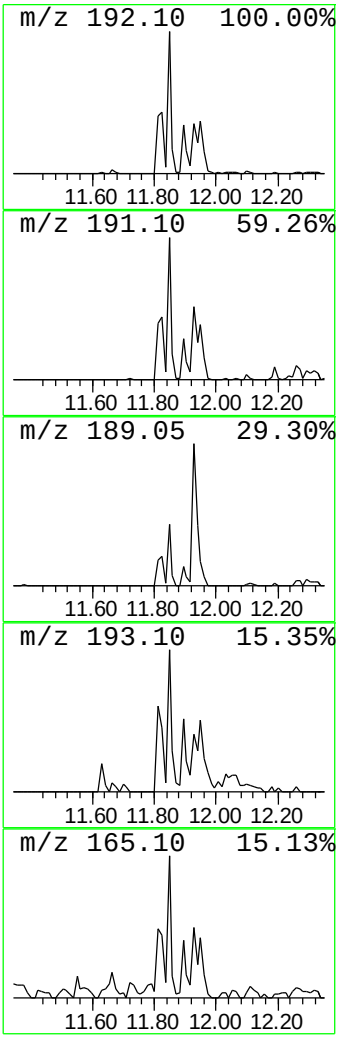
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	2.43 ng	195836	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084135.D
Acq On : 25 Dec 2015 18:18
Operator : UM/SJ
Sample : G4957-02
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

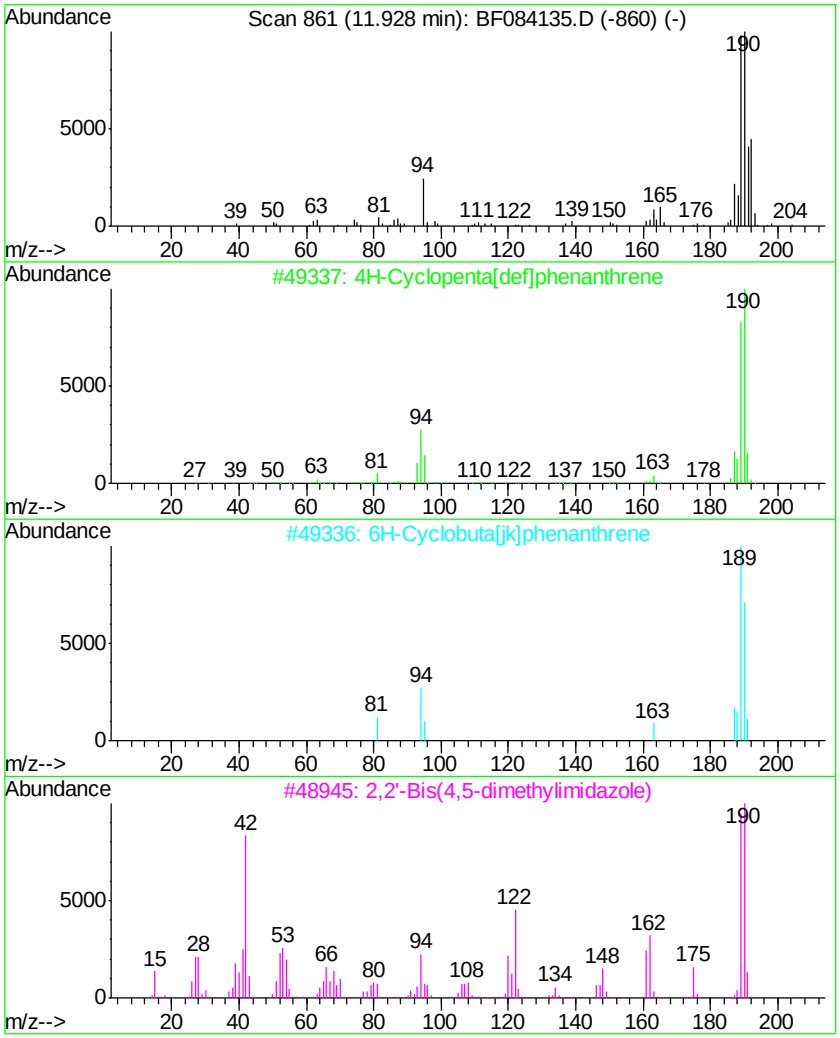
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

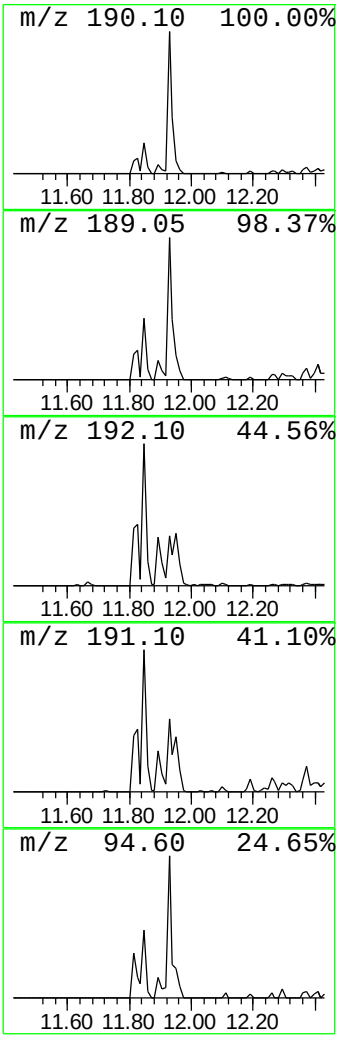
****

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	3.78 ng	304149	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	28
4	4,4'-Difluorobiphenyl	190	C12H8F2	000398-23-2	17
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	16





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084135.D
Acq On : 25 Dec 2015 18:18
Operator : UM/SJ
Sample : G4957-02
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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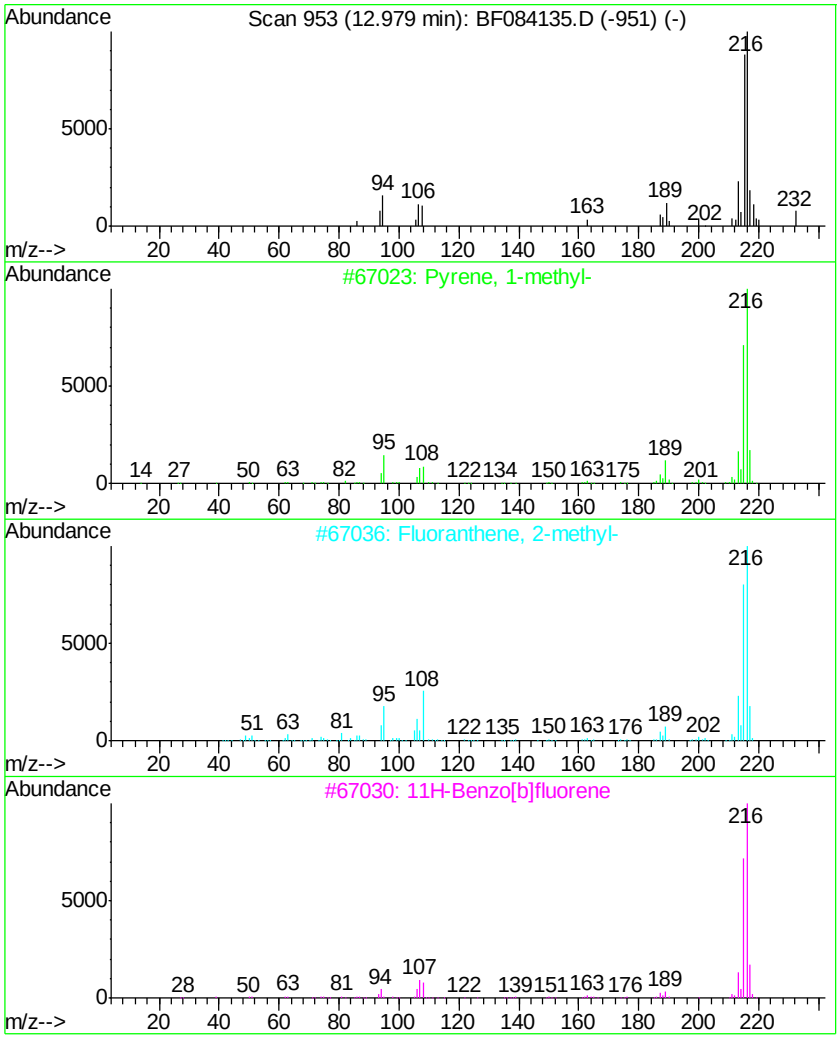
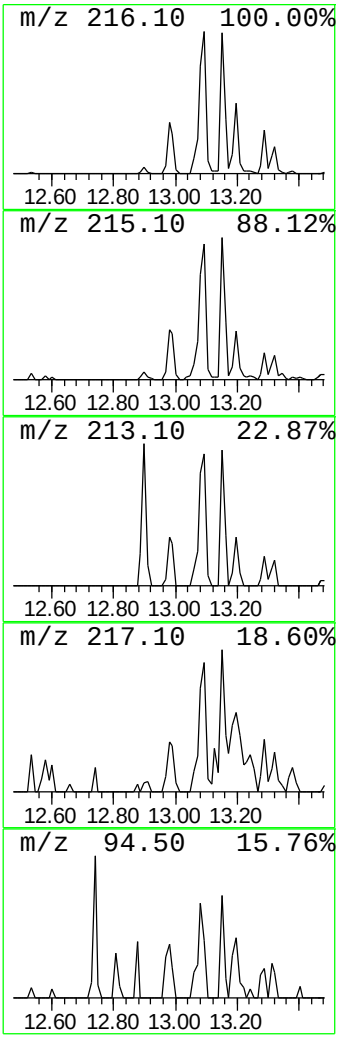
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	2.38 ng	94036	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





Library Search Compound Report

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Data File : BF084135.D
Acq On : 25 Dec 2015 18:18
Operator : UM/SJ
Sample : G4957-02
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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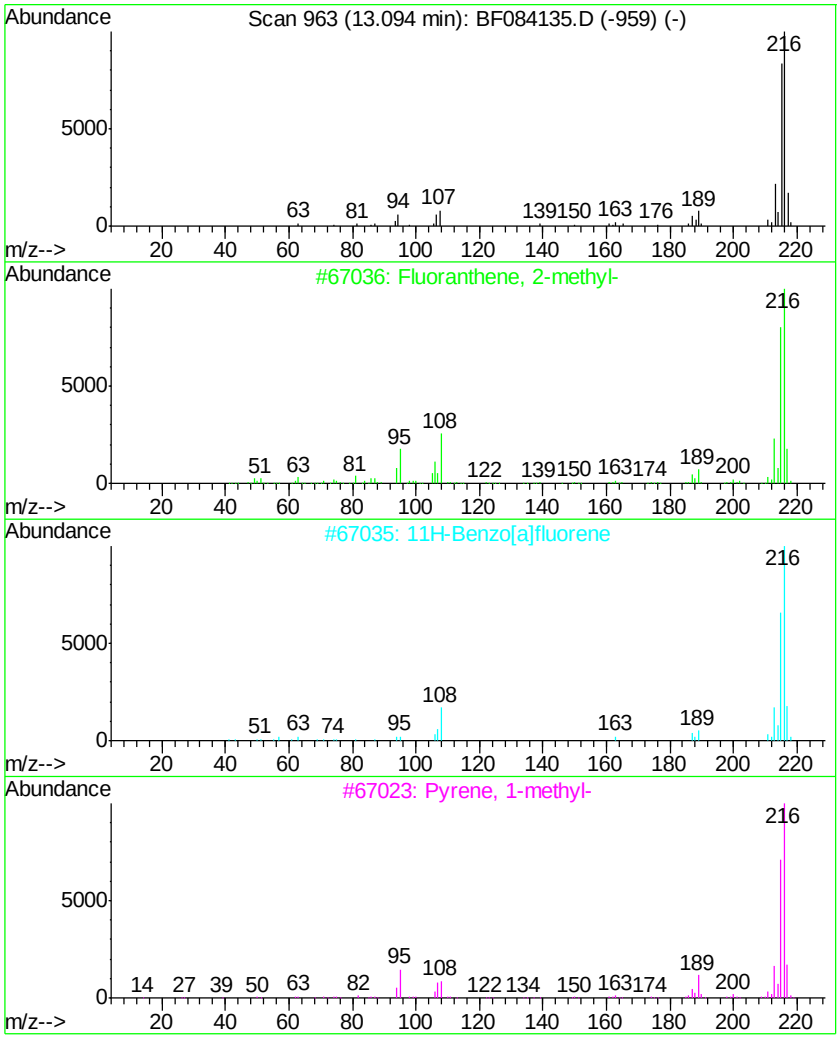
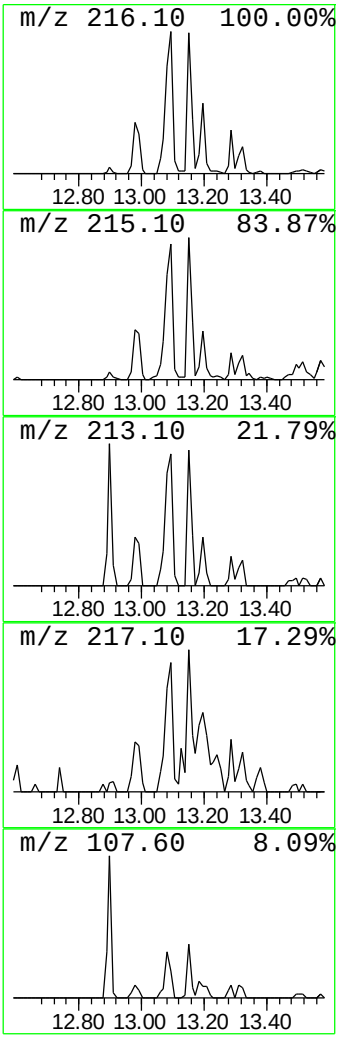
Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	4.49 ng	177234	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





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Acq On : 25 Dec 2015 18:18
Operator : UM/SJ
Sample : G4957-02
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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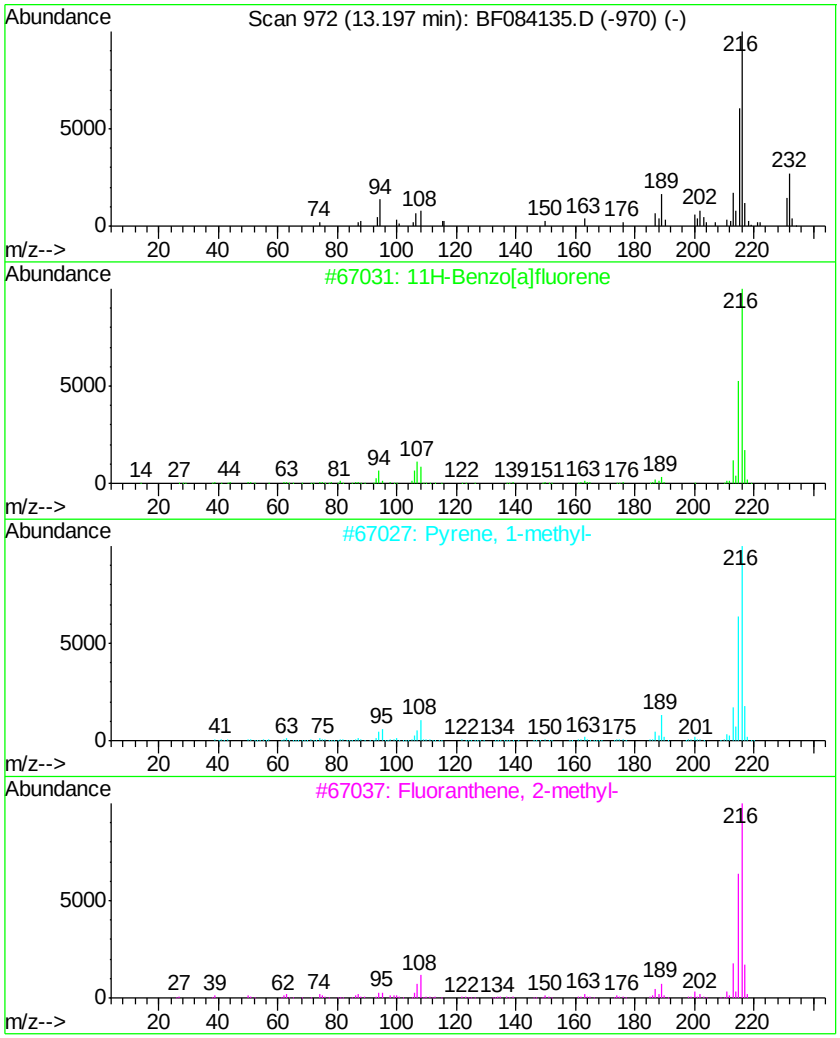
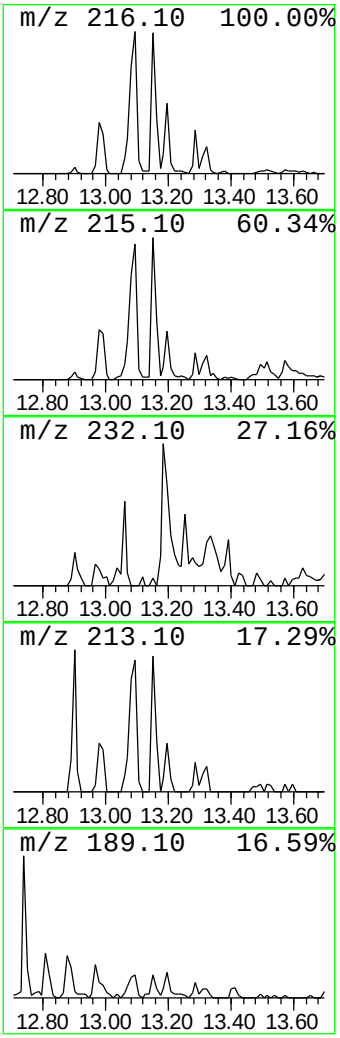
Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.79 ng	110241	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	70





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Acq On : 25 Dec 2015 18:18
Operator : UM/SJ
Sample : G4957-02
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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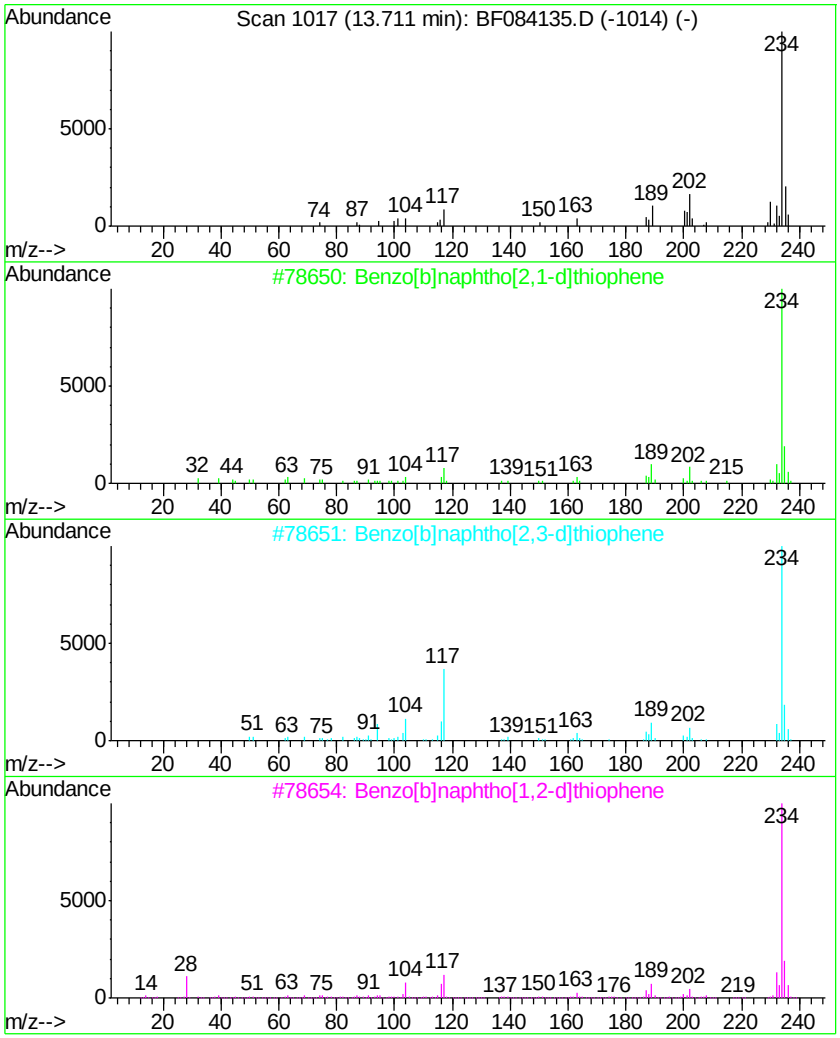
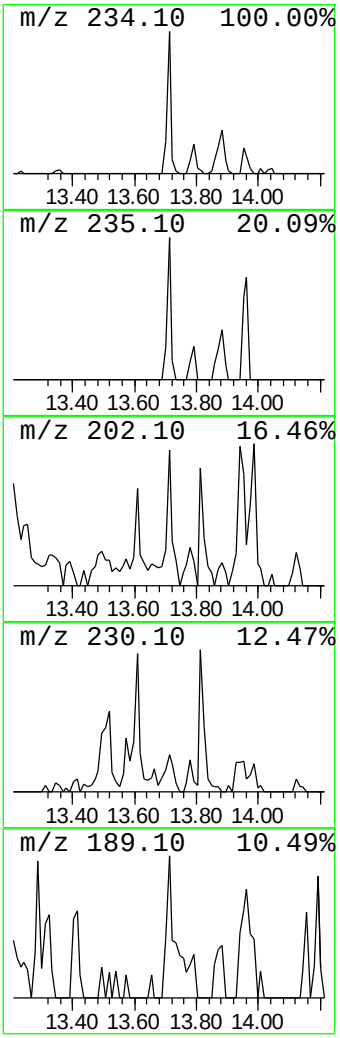
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	2.59 ng	102381	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	87
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	53
5	Phenol, 3-[(1-methyl-4-nitro-1H-...	234	C10H10N4O3	216219-93-1	47





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Data File : BF084135.D
Acq On : 25 Dec 2015 18:18
Operator : UM/SJ
Sample : G4957-02
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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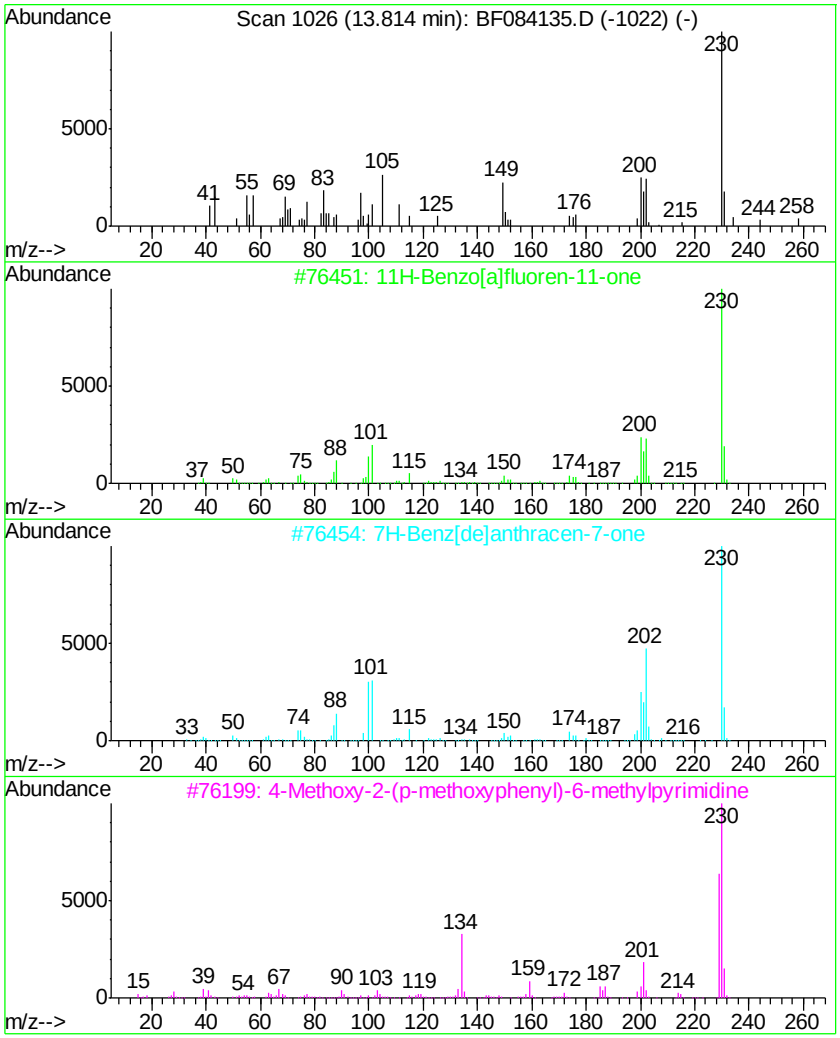
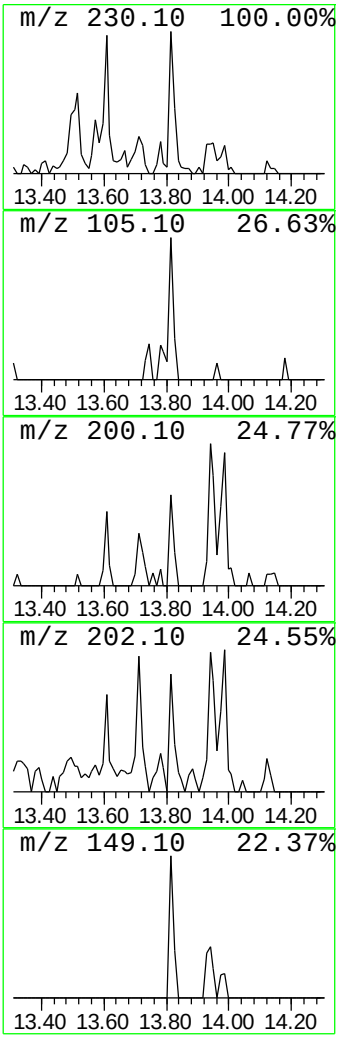
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	3.32 ng	131292	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	86
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	49
3	4-Methoxy-2-(p-methoxyphenyl)-6-...	230	C13H14N2O2	063896-93-5	43
4	o-Terphenyl	230	C18H14	000084-15-1	38
5	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	38





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Sample : G4957-02
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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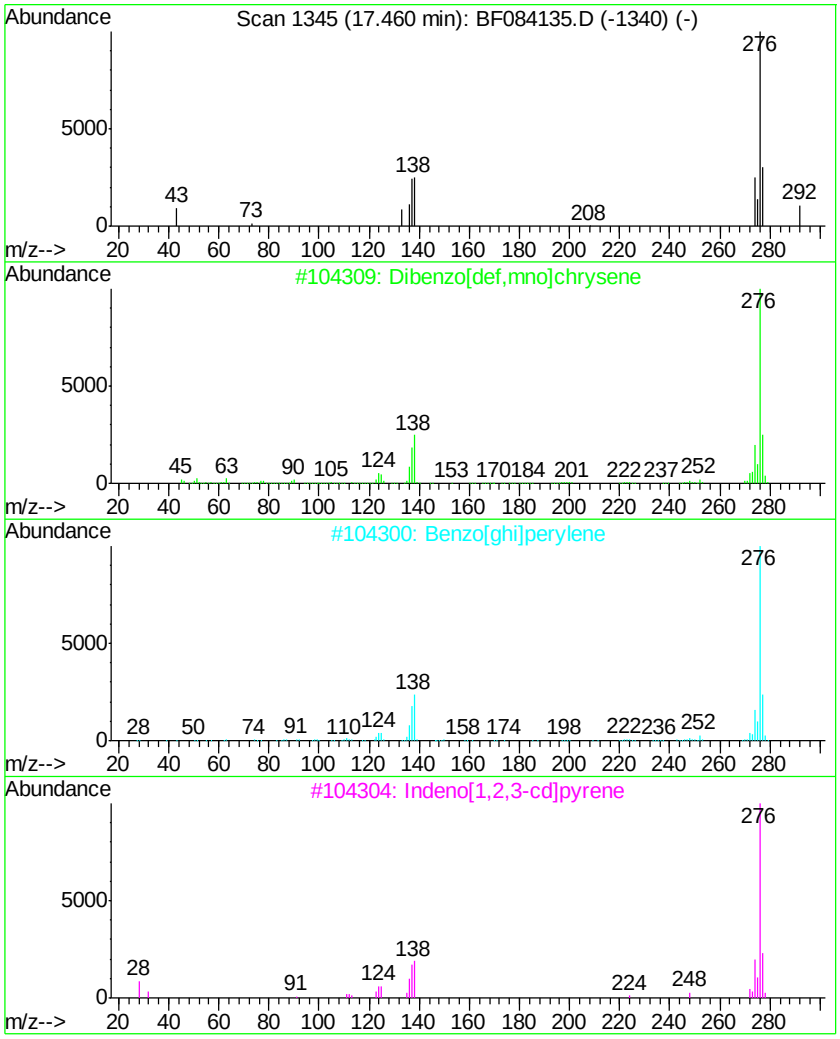
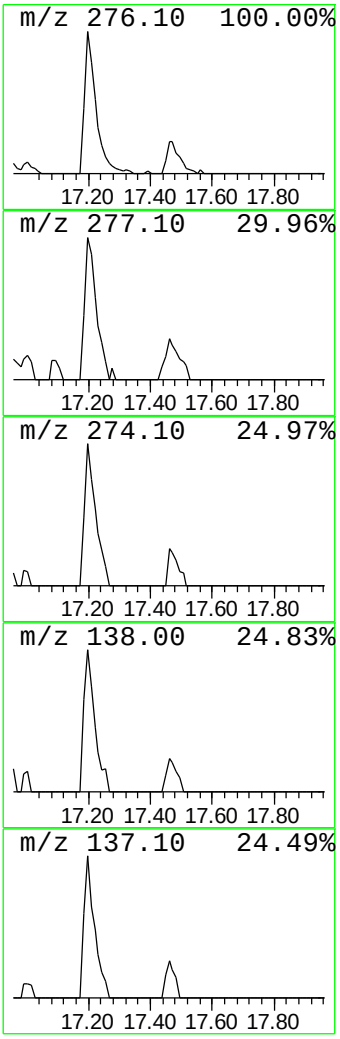
Peak Number 19 Dibenzo[def,mno]chrysene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	2.09 ng	28475	Perylene-d12	15.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	80
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	80
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	80
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	72
5	2-Amino-3-cyano-4,5-diphenylthio...	276	C17H12N2S	042160-34-9	38





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Operator : UM/SJ
Sample : G4957-02
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP001

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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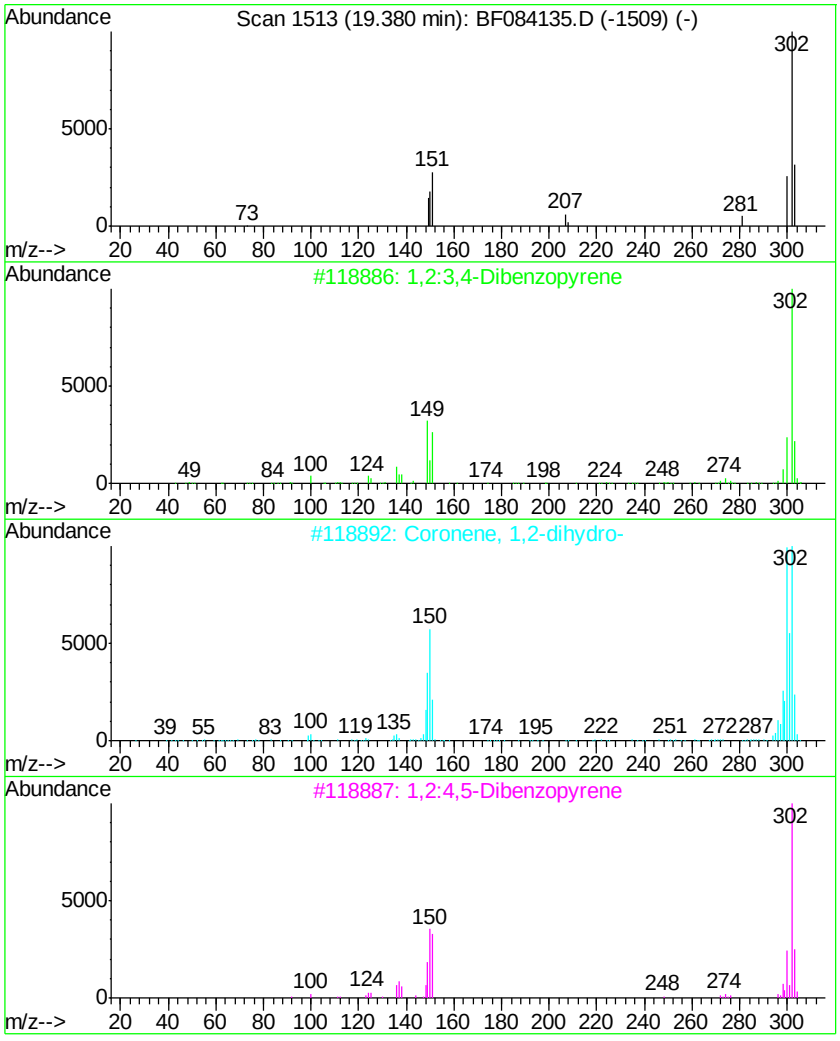
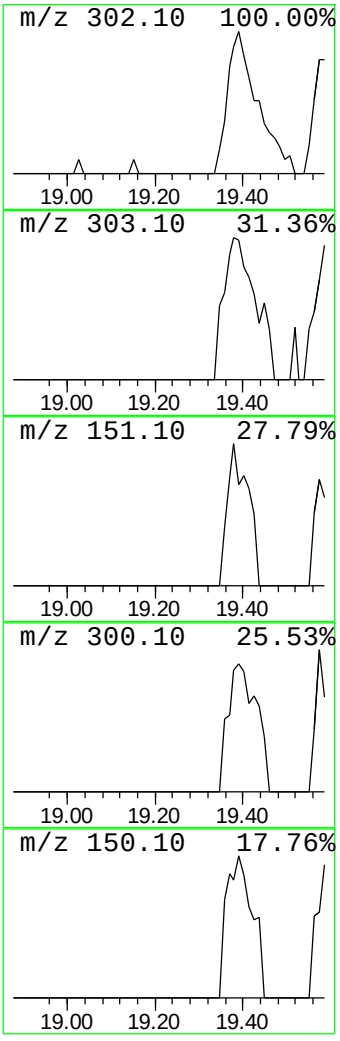
Peak Number 20 1,2:3,4-Dibenzopyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.38	2.19 ng	29723	Perylene-d12	15.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	64
2	Coronene, 1,2-dihydro-	302	C24H14	107716-56-3	38
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	9
4	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	9
5	2-Methyl-3-phenylpyrazino[2,3-f]...	302	C17H14N6	072628-85-4	5





Tentatively Identified Compound (LSC) summary

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Operator : UM/SJ
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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...	4.98	19.9	ng	296937	1	6.80	299133	20.0
Naphthalene, 1,3-...	9.49	2.8	ng	63901	3	9.84	456057	20.0
unknown10.46	10.46	2.7	ng	60895	3	9.84	456057	20.0
[1,1'-Biphenyl]-4...	10.54	2.6	ng	59156	3	9.84	456057	20.0
Phenanthrene, 1-m...	11.85	2.4	ng	195836	4	11.32	1608610	20.0
4H-Cyclopenta[def...	11.93	3.8	ng	304149	4	11.32	1608610	20.0
Pyrene, 1-methyl-	12.98	2.4	ng	94036	5	13.95	789911	20.0
Fluoranthene, 2-m...	13.09	4.5	ng	177234	5	13.95	789911	20.0
11H-Benzo[a]fluorene	13.20	2.8	ng	110241	5	13.95	789911	20.0
Benzo[b]naphtho[2...	13.71	2.6	ng	102381	5	13.95	789911	20.0
11H-Benzo[a]fluor...	13.81	3.3	ng	131292	5	13.95	789911	20.0
Dibenzo[def,mno]c...	17.46	2.1	ng	28475	6	15.38	271936	20.0
1,2:3,4-Dibenzopy...	19.38	2.2	ng	29723	6	15.38	271936	20.0