LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086950.D
Acq On : 13 May 2016 00:47
Operator : UM/SJ
Sample : H2994-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1720-00(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-BF050916.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	1.633	3	4	12	rVB	480290	768340	9.90%	1.093%
2	1.747	12	14	48	rVB	3493209	7763851	100.00%	11.043%
3	4.753	275	277	285	rVV	236054	339609	4.37%	0.483%
4	5.141	308	311	315	rVB2	67360	104911	1.35%	0.149%
5	5.210	315	317	320	rBV	2528311	2785048	35.87%	3.961%
6	5.416	333	335	338	rBV	95396	102294	1.32%	0.146%
7	6.284	409	411	414	rVV	2411796	2787592	35.90%	3.965%
8	6.399	418	421	423	rVV	2523592	3082346	39.70%	4.384%
9	6.444	423	425	429	rVB2	105488	171932	2.21%	0.245%
10	6.616	438	440	444	rBV	815303	959651	12.36%	1.365%
11	6.776	452	454	457	rBV	2629732	2310668	29.76%	3.287%
12	7.199	488	491	493	rBV	1705061	2040588	26.28%	2.903%
13	7.907	551	553	557	rBV2	1430408	1580926	20.36%	2.249%
14	8.342	589	591	598	rVB	121432	130028	1.67%	0.185%
15	8.513	604	606	608	rBV	120912	100711	1.30%	0.143%
16	8.616	613	615	618	rVV	185389	253107	3.26%	0.360%
17	8.719	622	624	626	rVV	251278	205597	2.65%	0.292%
18	8.993	645	648	650	rBV	2078073	2794298	35.99%	3.975%
19	9.073	654	655	658	rVV2	139971	153611	1.98%	0.218%
20	9.245	668	670	672	rBV	79691	106027	1.37%	0.151%
21	9.313	675	676	678	rBV	130951	185596	2.39%	0.264%
22	9.348	678	679	681	rVB	129139	106717	1.37%	0.152%
23	9.393	681	683	684	rBV	309099	356535	4.59%	0.507%
24	9.439	684	687	689	rVB2	68918	155967	2.01%	0.222%
25	9.519	691	694	696	rBV	589644	524287	6.75%	0.746%
26	9.599	699	701	703	rBV	197699	191809	2.47%	0.273%
27	9.656	703	706	708	rBV	1242550	1157826	14.91%	1.647%
28	9.691	708	709	711	rVB	104989	97306	1.25%	0.138%
29	9.862	722	724	725	rVB	177179	146269	1.88%	0.208%
30	9.976	731	734	735	rBV3	72402	96361	1.24%	0.137%
31	10.056	739	741	743	rBV3	73572	124958	1.61%	0.178%
32	10.102	743	745	747	rVB	280605	232671	3.00%	0.331%
33	10.193	752	753	757	rVB2	137688	184574	2.38%	0.263%
34	10.319	761	764	766	rBV2	121545	168779	2.17%	0.240%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : CH-STA-1720-00(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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.445	772	775	777	rBV	1516003	1506477	19.40%	2.143%
36	10.571	784	786	789	rBV	364932	546546	7.04%	0.777%
37	10.651	791	793	795	rVB2	175831	188687	2.43%	0.268%
38	10.753	799	802	807	rBV6	45312	132759	1.71%	0.189%
39	10.879	810	813	817	rBV4	95570	237166	3.05%	0.337%
40	10.982	821	822	824	rBV	65839	103633	1.33%	0.147%
41	11.016	824	825	830	rVB2	187292	273691	3.53%	0.389%
42	11.154	833	837	839	rBV2	998551	1621637	20.89%	2.307%
43	11.211	839	842	844	rVB	463797	447445	5.76%	0.636%
44	11.302	848	850	853	rVB2	87412	148637	1.91%	0.211%
45	11.371	854	856	860	rBV3	129293	225362	2.90%	0.321%
46	11.439	860	862	863	rBV2	103821	107382	1.38%	0.153%
47	11.634	874	879	880	rBV	209608	250628	3.23%	0.356%
48	11.656	880	881	884	rVV2	241602	501248	6.46%	0.713%
49	11.736	887	888	893	rVB	281463	533568	6.87%	0.759%
50	11.851	896	898	901	rVV2	102821	177036	2.28%	0.252%
51	11.931	901	905	906	rVV2	169757	192633	2.48%	0.274%
52	11.954	906	907	910	rVB	134792	126726	1.63%	0.180%
53	12.079	915	918	919	rBV	81604	119236	1.54%	0.170%
54	12.182	924	927	928	rBV	241517	277790	3.58%	0.395%
55	12.239	928	932	933	rVB3	146907	343506	4.42%	0.489%
56	12.262	933	934	937	rBV	165167	243633	3.14%	0.347%
57	12.342	939	941	943	rBV	2924684	2662421	34.29%	3.787%
58	12.388	944	945	948	rBV2	70216	132920	1.71%	0.189%
59	12.434	948	949	951	rVB	203243	140566	1.81%	0.200%
60	12.479	951	953	958	rVB4	107569	247981	3.19%	0.353%
61	12.571	958	961	963	rBV	2621165	2957088	38.09%	4.206%
62	12.617	963	965	968	rVB3	150786	281210	3.62%	0.400%
63	12.685	969	971	972	rBV	202645	209622	2.70%	0.298%
64	12.719	972	974	976	rVB	1846541	1843597	23.75%	2.622%
65	12.788	977	980	982	rBV2	276268	450442	5.80%	0.641%
66	12.891	986	989	991	rVB3	331021	676663	8.72%	0.962%
67	12.959	993	995	997	rBV	257947	242996	3.13%	0.346%
68	12.994	997	998	1000	rVV	376186	380016	4.89%	0.541%
69	13.028	1000	1001	1005	rVV2	159756	263229	3.39%	0.374%
70	13.085	1005	1006	1008	rVV	167686	216488	2.79%	0.308%
71	13.142	1008	1011	1013	rVV2	190577	331062	4.26%	0.471%

LSC Area Percent Report

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Acq On : 13 May 2016 00:47
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Misc :
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Instrument : BNA_F
ClientSampleId : CH-STA-1720-00(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-BF050916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.177	1013	1014	1021	rVB4	176769	309358	3.98%	0.440%
73	13.302	1021	1025	1028	rBV4	138198	351242	4.52%	0.500%
74	13.405	1030	1034	1037	rBV	460833	622605	8.02%	0.886%
75	13.508	1041	1043	1044	rBV	393624	431170	5.55%	0.613%
76	13.542	1044	1046	1047	rVV	206576	364430	4.69%	0.518%
77	13.611	1051	1052	1057	rVV3	360596	533289	6.87%	0.759%
78	13.759	1062	1065	1067	rBV2	1842116	3449482	44.43%	4.907%
79	13.794	1067	1068	1070	rVV	1414786	1036975	13.36%	1.475%
80	13.862	1072	1074	1075	rBV2	164444	188374	2.43%	0.268%
81	13.908	1076	1078	1079	rBV	174504	155597	2.00%	0.221%
82	14.114	1094	1096	1097	rBV	160826	211139	2.72%	0.300%
83	14.148	1097	1099	1101	rVV	418795	538561	6.94%	0.766%
84	14.182	1101	1102	1104	rVV2	227677	256082	3.30%	0.364%
85	14.240	1105	1107	1108	rVV	157813	229721	2.96%	0.327%
86	14.274	1108	1110	1115	rVB4	235723	462802	5.96%	0.658%
87	14.457	1124	1126	1131	rBV5	129244	263203	3.39%	0.374%
88	14.525	1131	1132	1134	rBV2	84379	148938	1.92%	0.212%
89	14.617	1137	1140	1144	rVV3	165260	326670	4.21%	0.465%
90	14.765	1150	1153	1157	rBV	1628004	3137927	40.42%	4.463%
91	14.857	1157	1161	1163	rVV3	305118	561143	7.23%	0.798%
92	15.017	1173	1175	1178	rVB	738528	1039667	13.39%	1.479%
93	15.074	1178	1180	1183	rBV	1109681	1270367	16.36%	1.807%
94	15.131	1183	1185	1186	rBV	517643	646178	8.32%	0.919%
95	16.377	1291	1294	1298	rBV	443938	874363	11.26%	1.244%
96	16.525	1305	1307	1309	rBV	85943	170665	2.20%	0.243%
97	16.754	1324	1327	1332	rVB	324078	584262	7.53%	0.831%
98	16.960	1342	1345	1348	rBV	56254	117870	1.52%	0.168%
99	17.691	1407	1409	1415	rBV4	51573	110889	1.43%	0.158%
100	18.651	1489	1493	1498	rVB	100851	298508	3.84%	0.425%

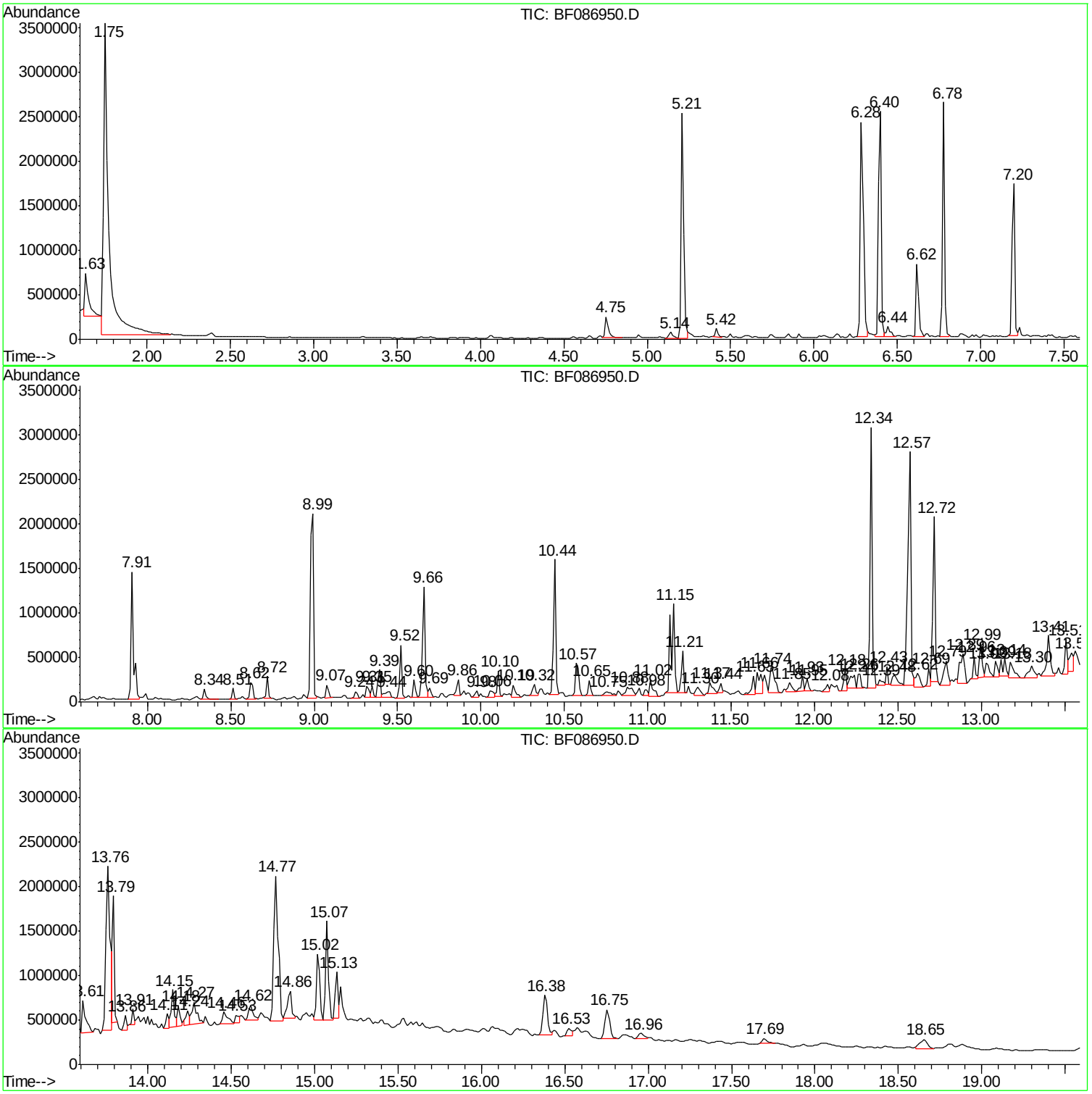
Sum of corrected areas: 70303994

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086950.D
Acq On : 13 May 2016 00:47
Operator : UM/SJ
Sample : H2994-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CH-STA-1720-00(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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\BF051216\
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
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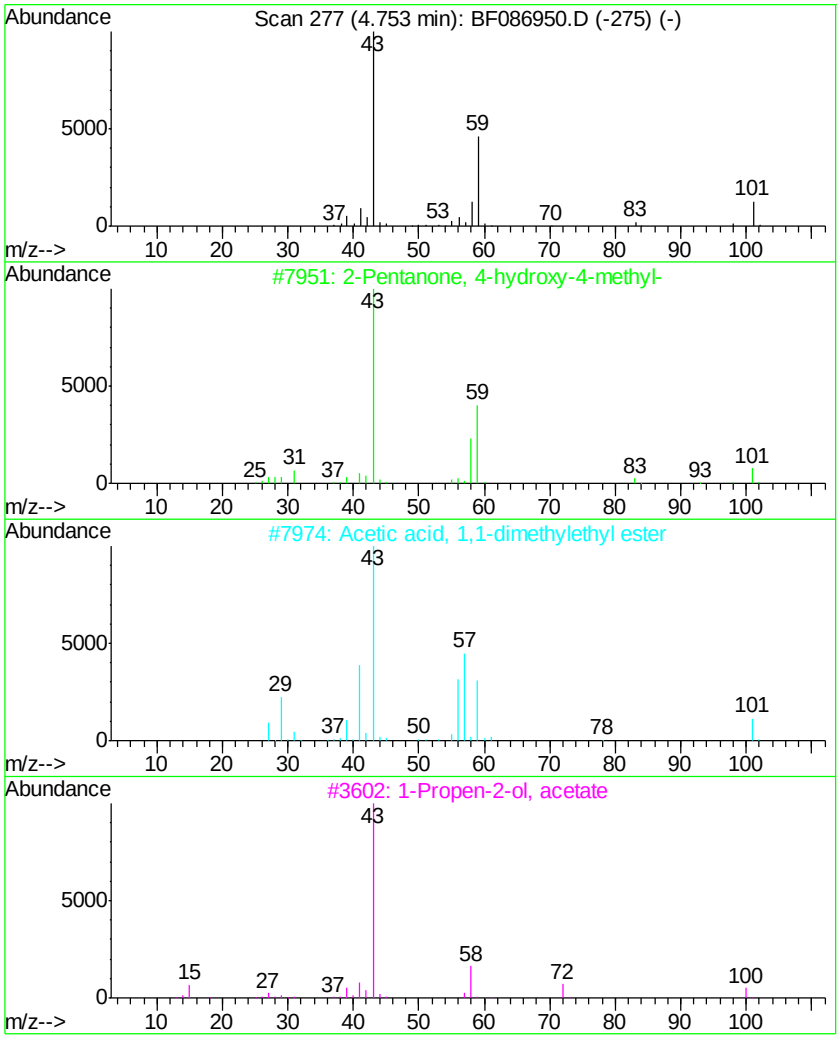
TIC Integration Parameters: LSCINT.P

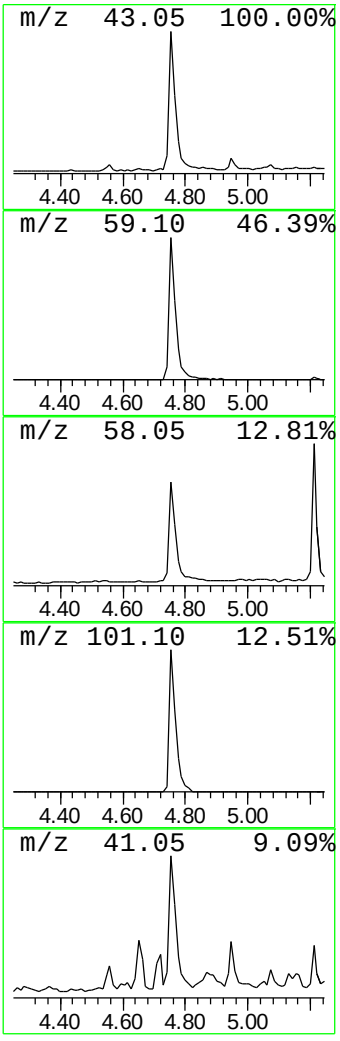
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.75	7.08 ng	339609	1,4-Dichlorobenzene-d4	6.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Butane	58	C4H10	000106-97-8	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
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Acq On : 13 May 2016 00:47
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Sample : H2994-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CH-STA-1720-00(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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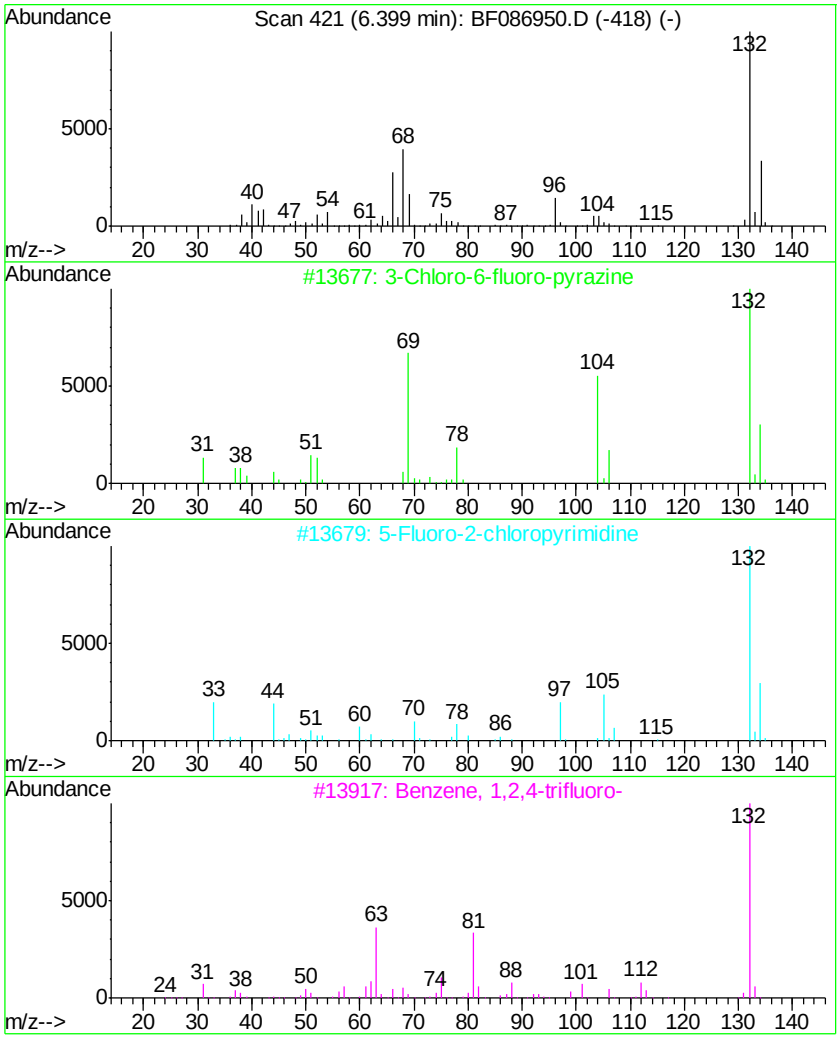
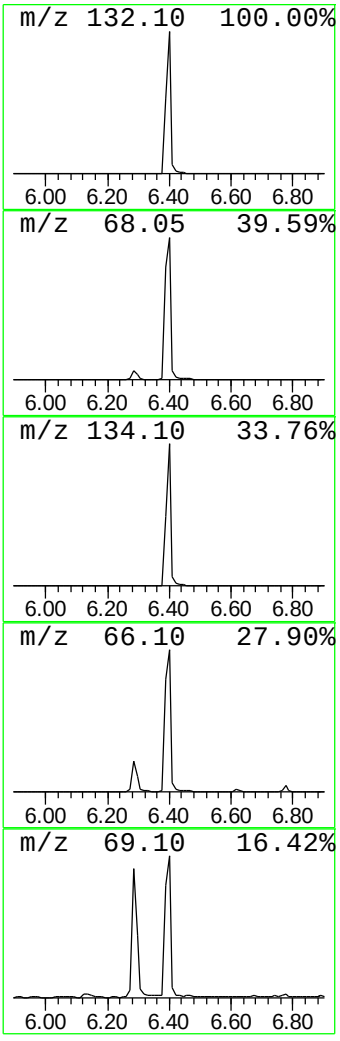
****

Peak Number 4 unknown6.40 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	64.24 ng	3082350	1,4-Dichlorobenzene-d4	6.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
4	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





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Instrument : BNA_F
ClientSampleId : CH-STA-1720-00(0-2)

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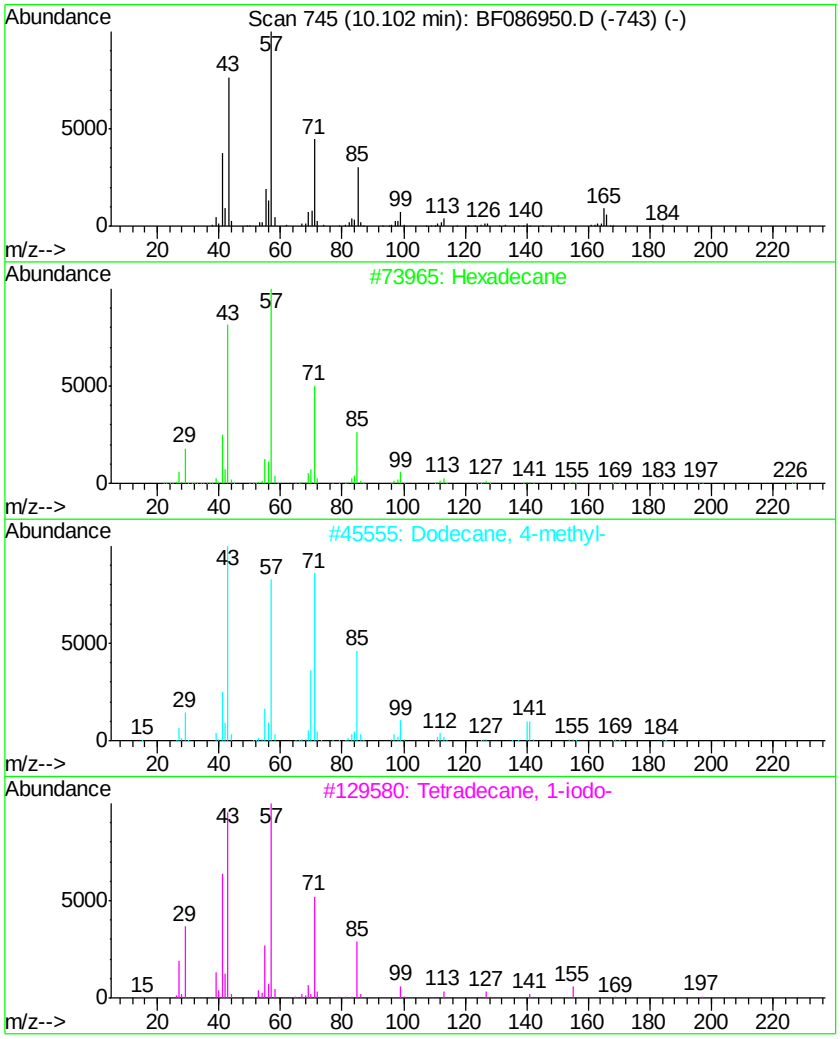
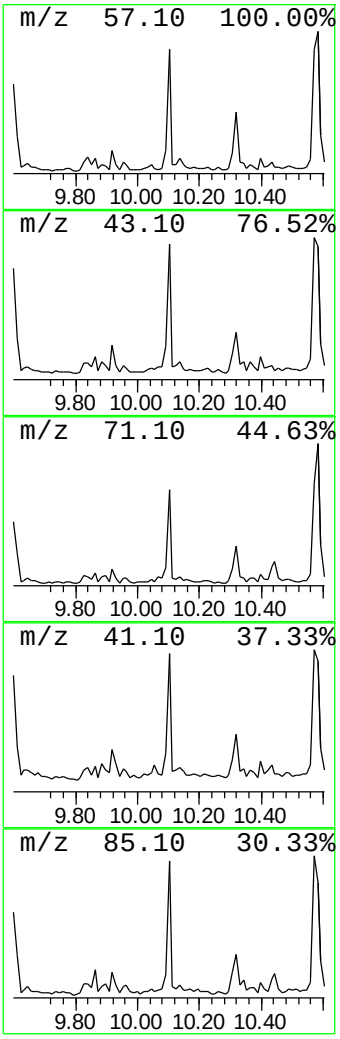
****

Peak Number 6 Hexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	4.02 ng	232671	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	87
2	Dodecane, 4-methyl-	184	C13H28	006117-97-1	76
3	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	72
4	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	72
5	Octadecane	254	C18H38	000593-45-3	64





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Instrument : BNA_F
ClientSampleId : CH-STA-1720-00(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

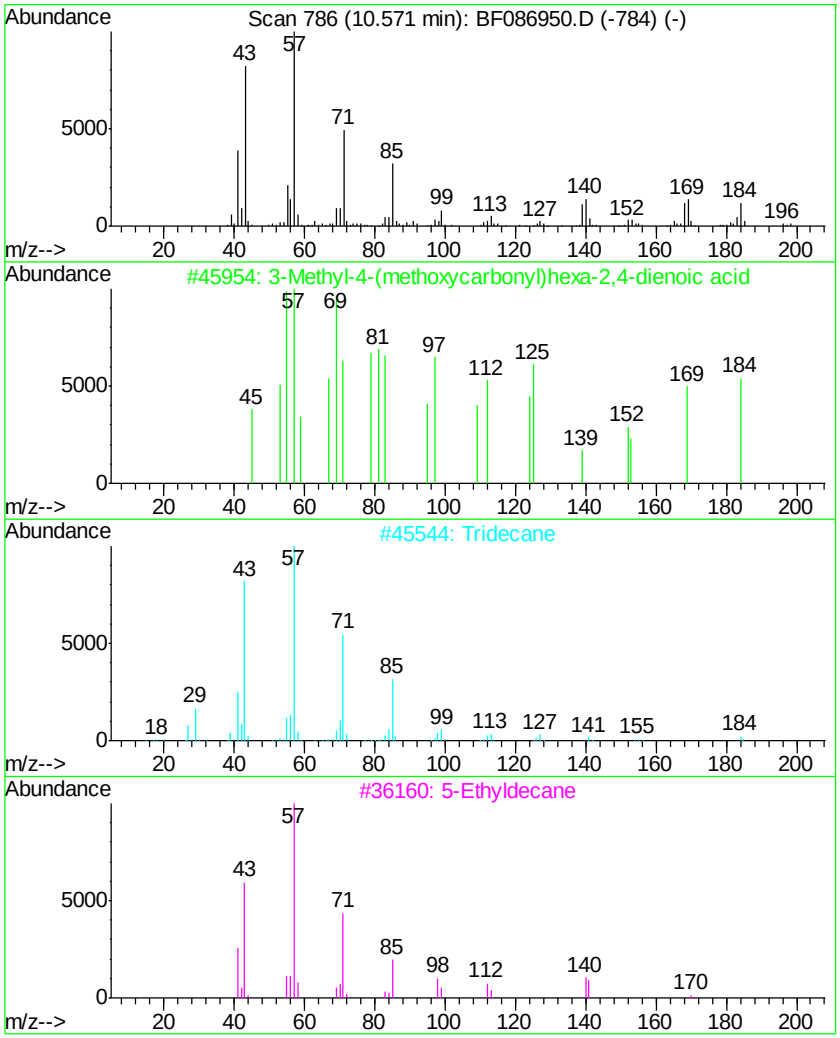
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

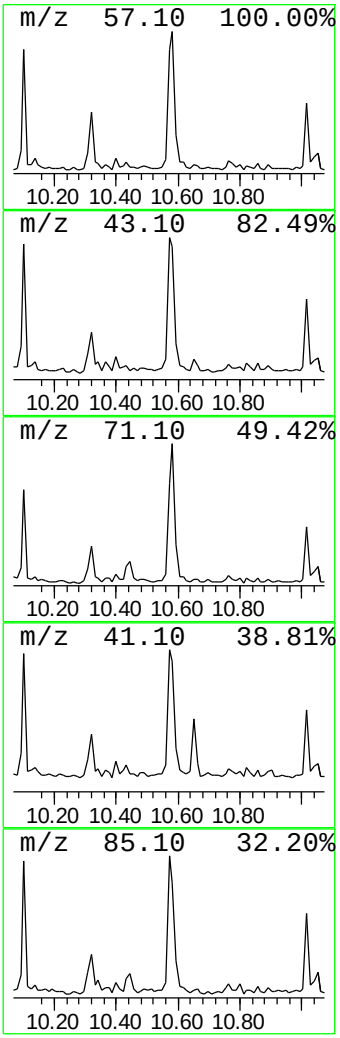
****

Peak Number 7 3-Methyl-4-(methoxycarbonyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	6.74 ng	546546	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	86
2	Tridecane	184	C13H28	000629-50-5	64
3	5-Ethyldecane	170	C12H26	017302-36-2	64
4	3,5-Dimethyldodecane	198	C14H30	107770-99-0	62
5	Hexadecane	226	C16H34	000544-76-3	53





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086950.D
Acq On : 13 May 2016 00:47
Operator : UM/SJ
Sample : H2994-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1720-00(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

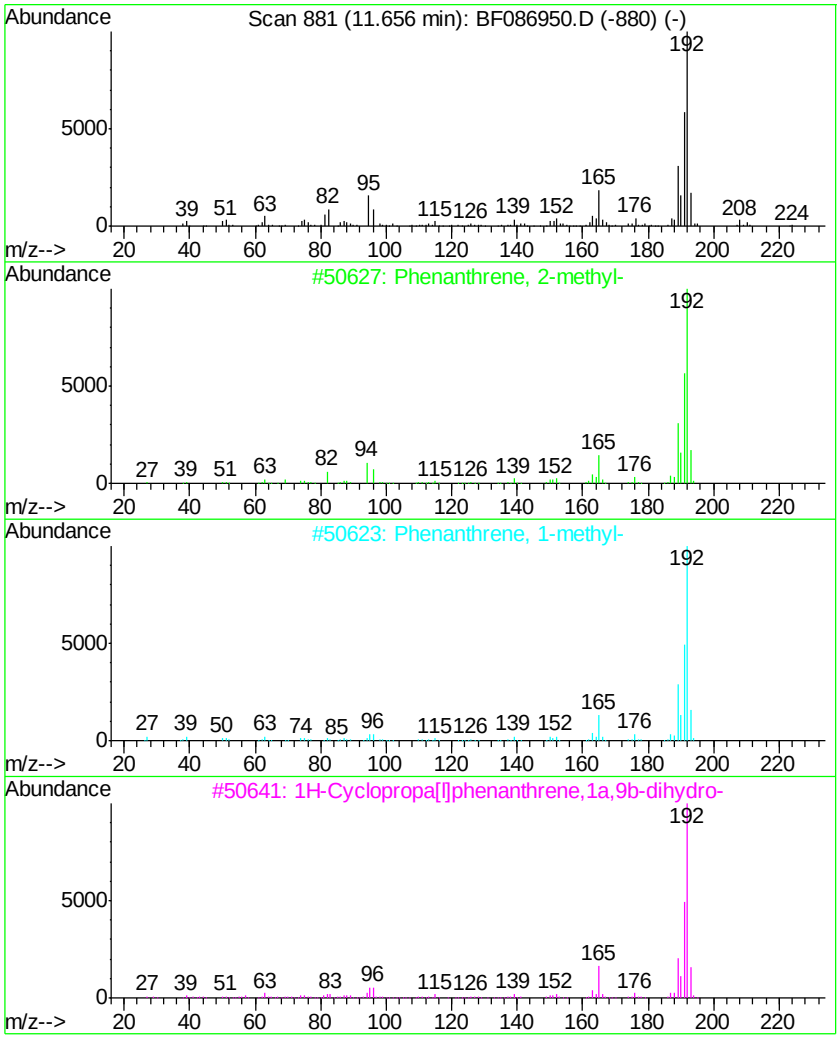
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

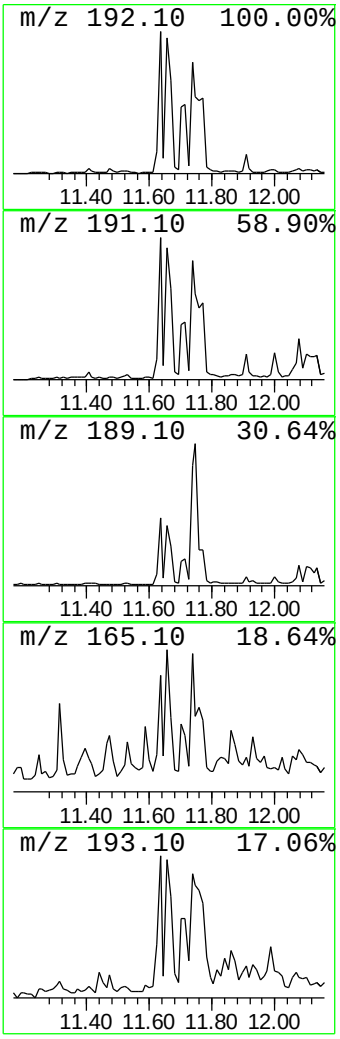
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	6.18 ng	501248	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Data File : BF086950.D
Acq On : 13 May 2016 00:47
Operator : UM/SJ
Sample : H2994-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1720-00(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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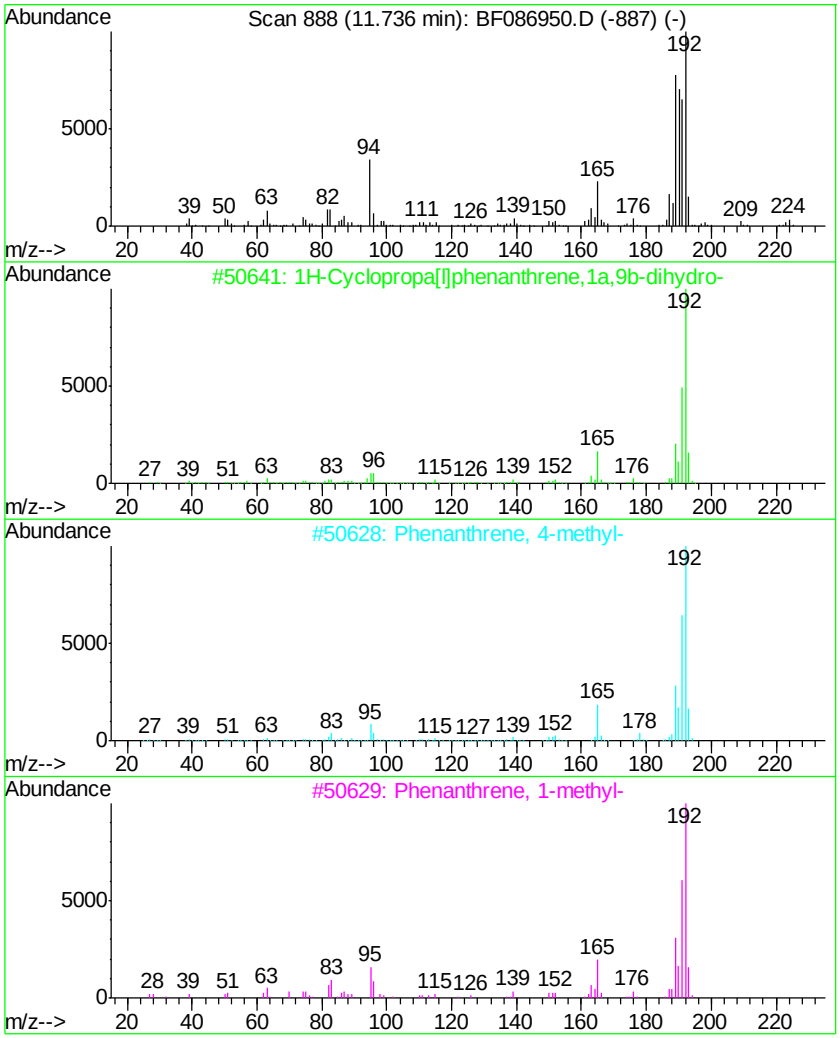
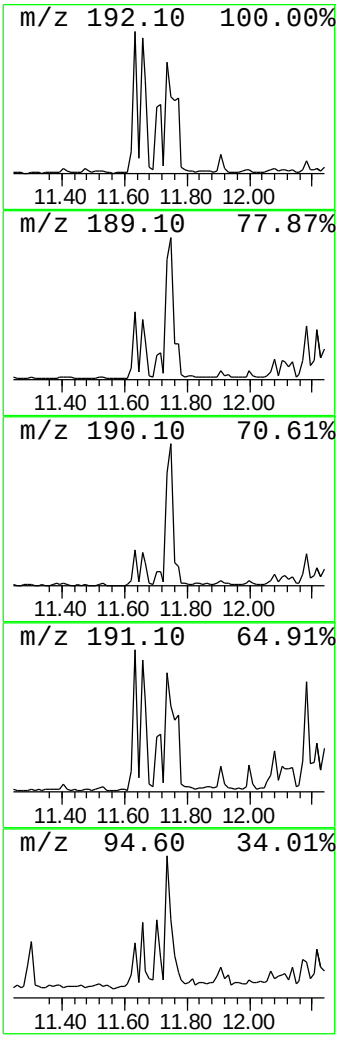
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	6.58 ng	533568	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	50
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	50
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086950.D
Acq On : 13 May 2016 00:47
Operator : UM/SJ
Sample : H2994-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1720-00(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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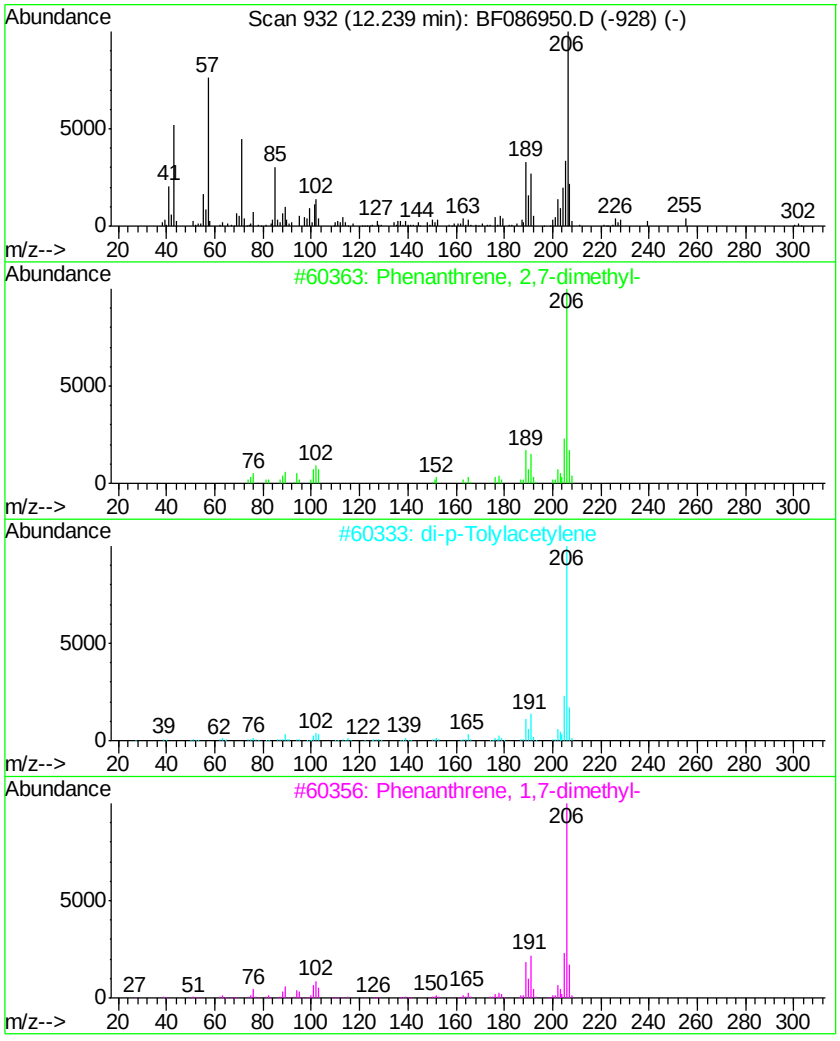
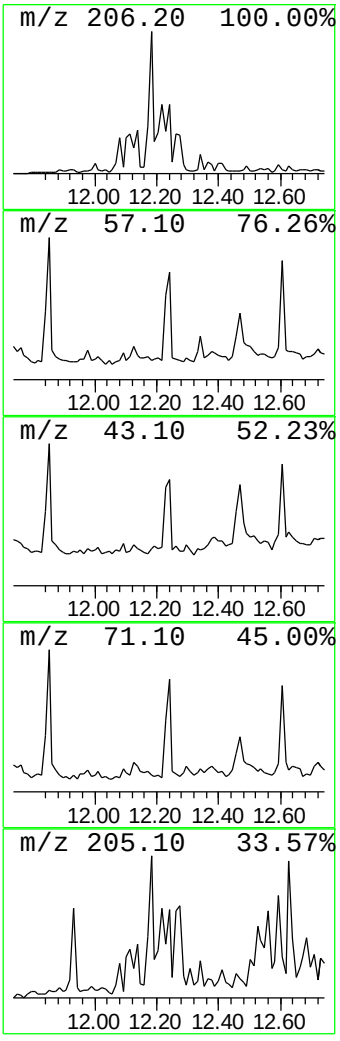
Peak Number 10 Phenanthrene, 2,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	4.24 ng	343506	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	83
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	78
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	60





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Sample : H2994-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1720-00(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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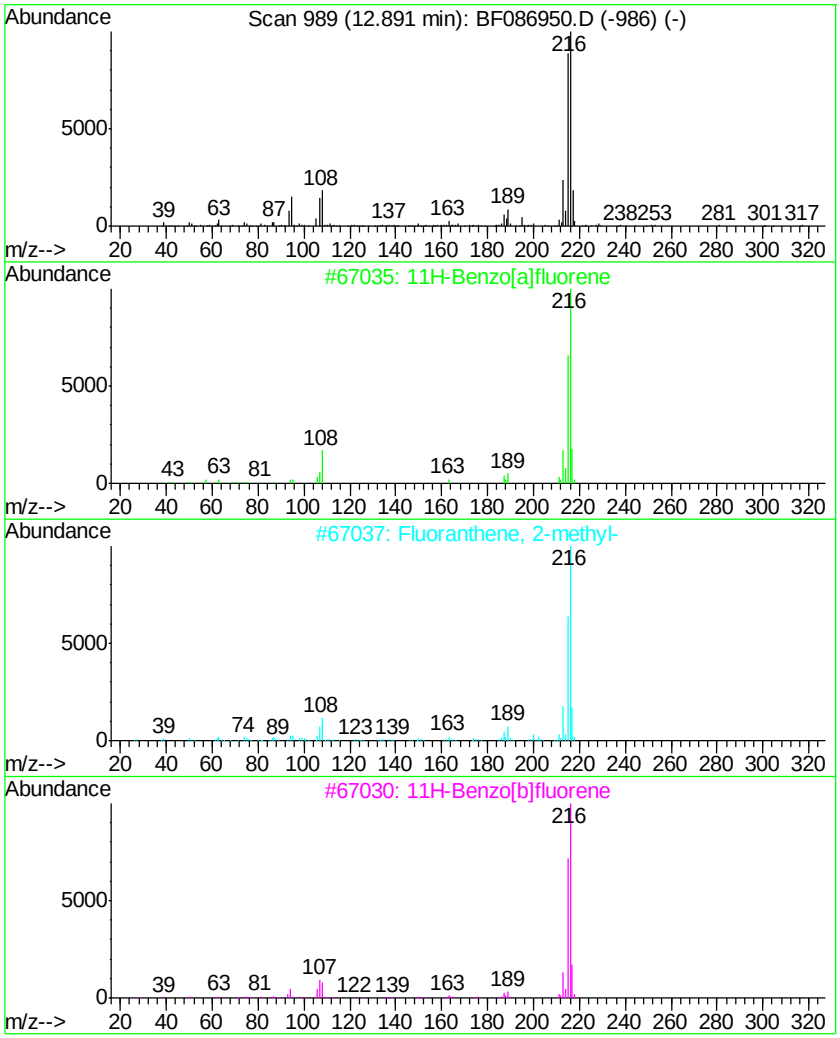
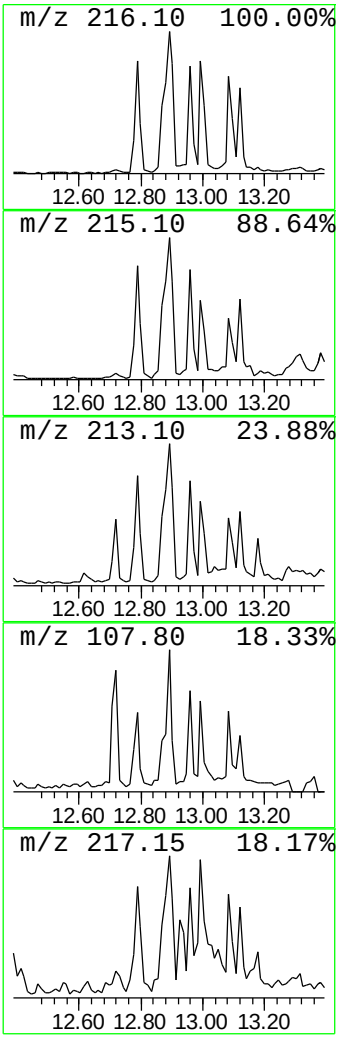
Peak Number 11 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	3.92 ng	676663	Chrysene-d12	13.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Operator : UM/SJ
Sample : H2994-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1720-00(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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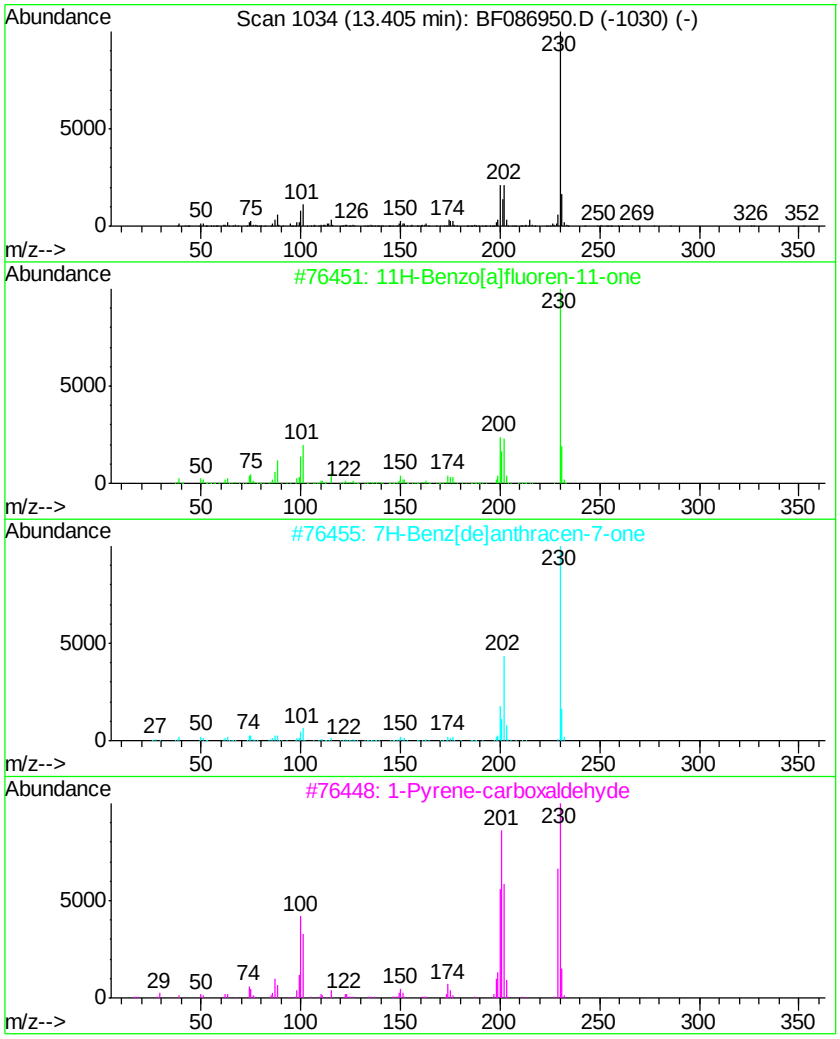
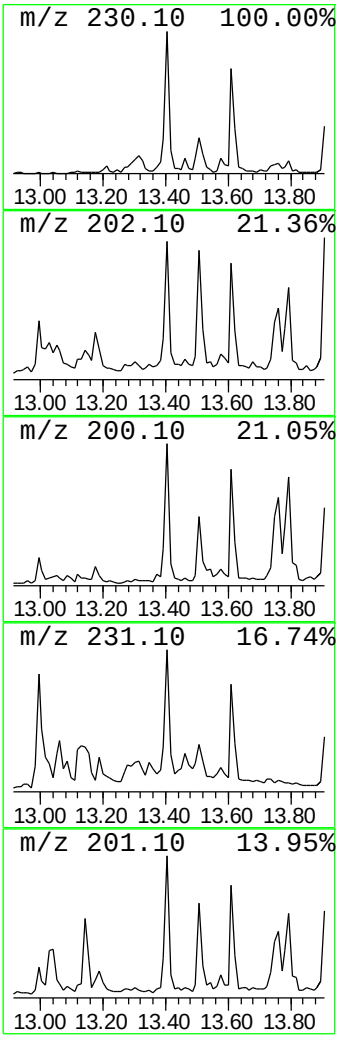
Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	3.61 ng	622605	Chrysene-d12	13.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	78
4	o-Terphenyl	230	C18H14	000084-15-1	58
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53





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Operator : UM/SJ
Sample : H2994-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1720-00(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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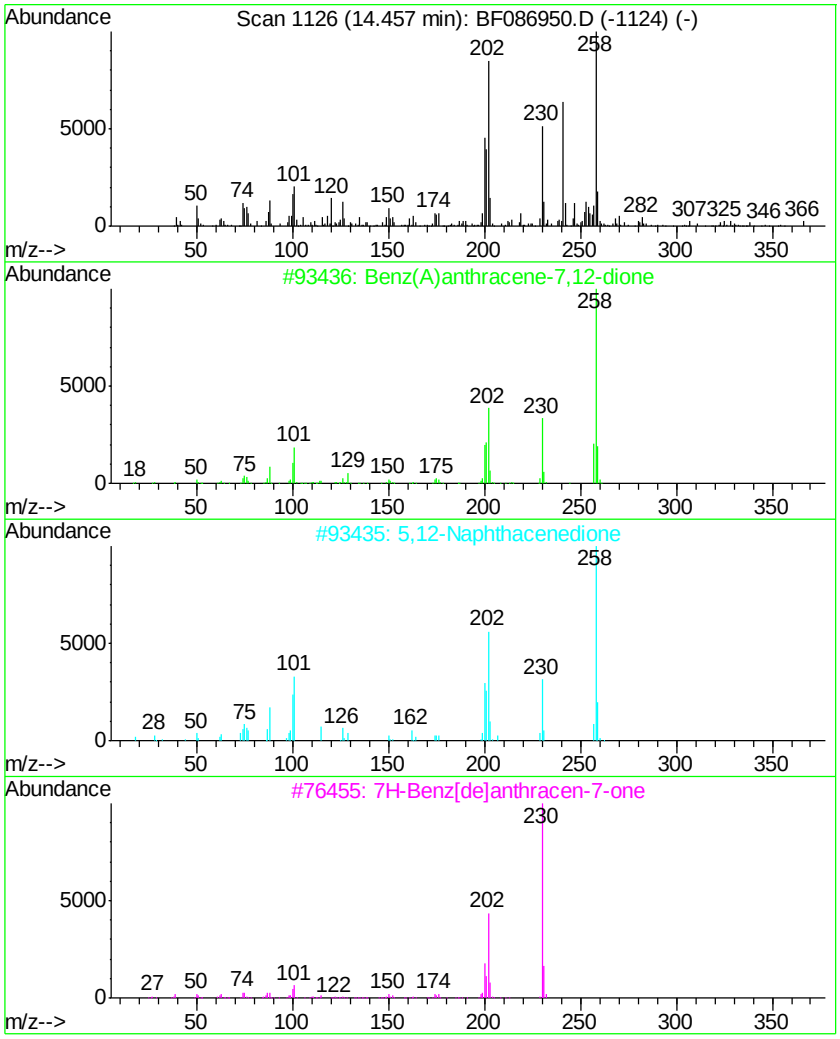
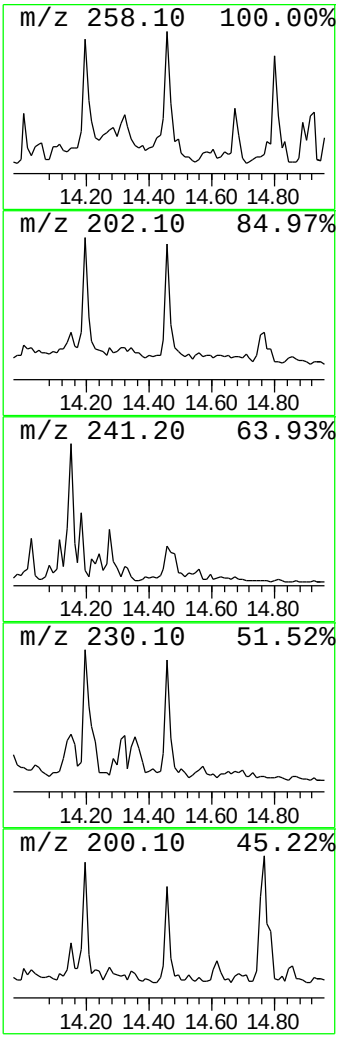
Peak Number 13 Benz(A)anthracene-7,12-dione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	8.15 ng	263203	Perylene-d12	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	94
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	53
5	Pyrene	202	C16H10	000129-00-0	35





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Sample : H2994-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1720-00(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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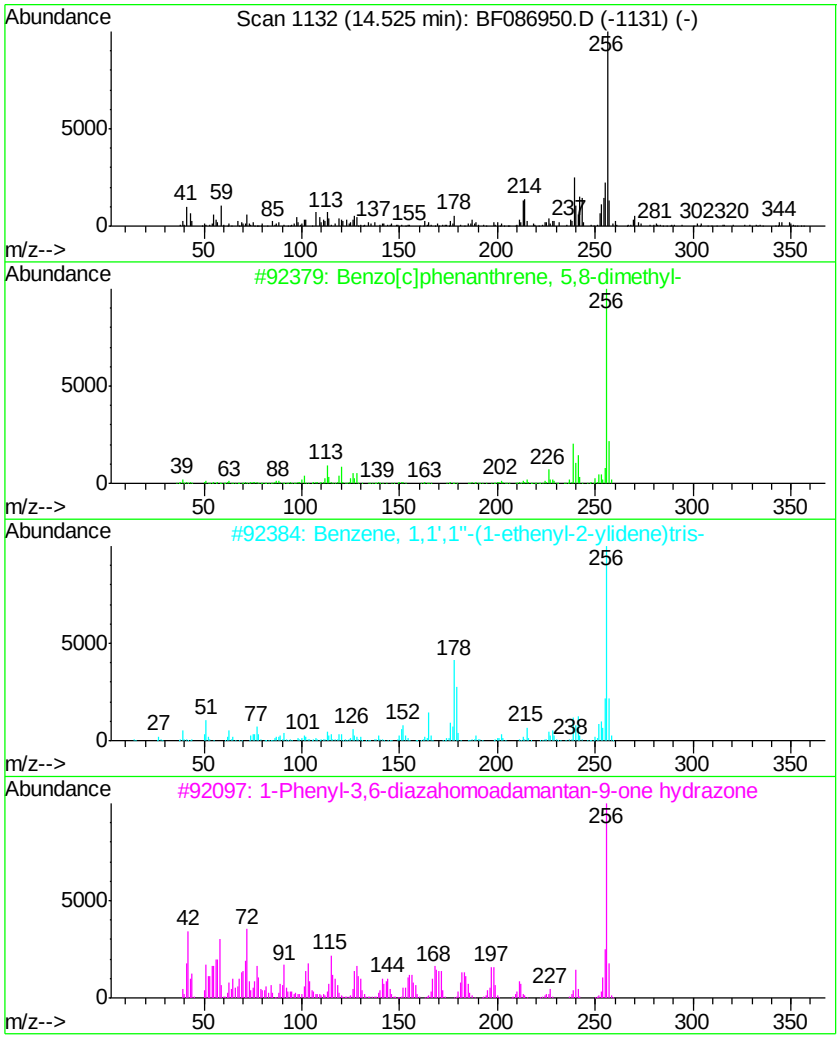
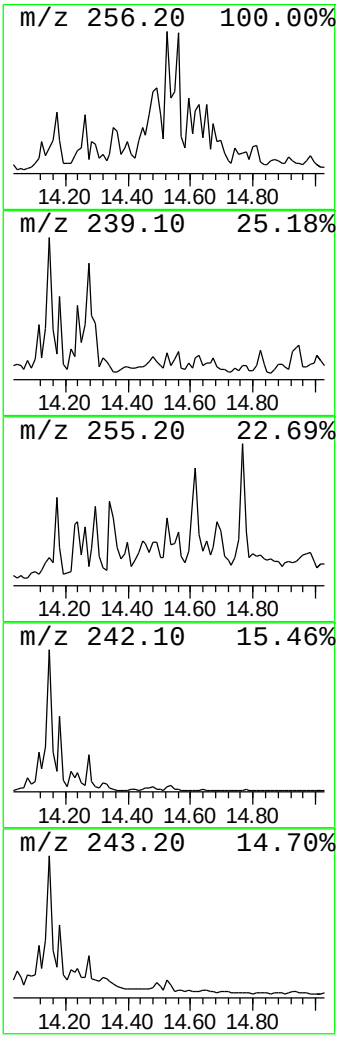
Peak Number 14 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	4.61 ng	148938	Perylene-d12	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	70
2	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	59
3	1-Phenyl-3,6-diazahomoadamantan-...	256	C15H20N4	1000216-29-0	53
4	2,4-Diamino-5-methyl-6-phenylthi...	256	C13H12N4S	042160-11-2	53
5	3,8-Azo-4,7-methanocyclobuta[b]n...	350	C25H22N2	040229-71-8	50





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Operator : UM/SJ
Sample : H2994-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1720-00(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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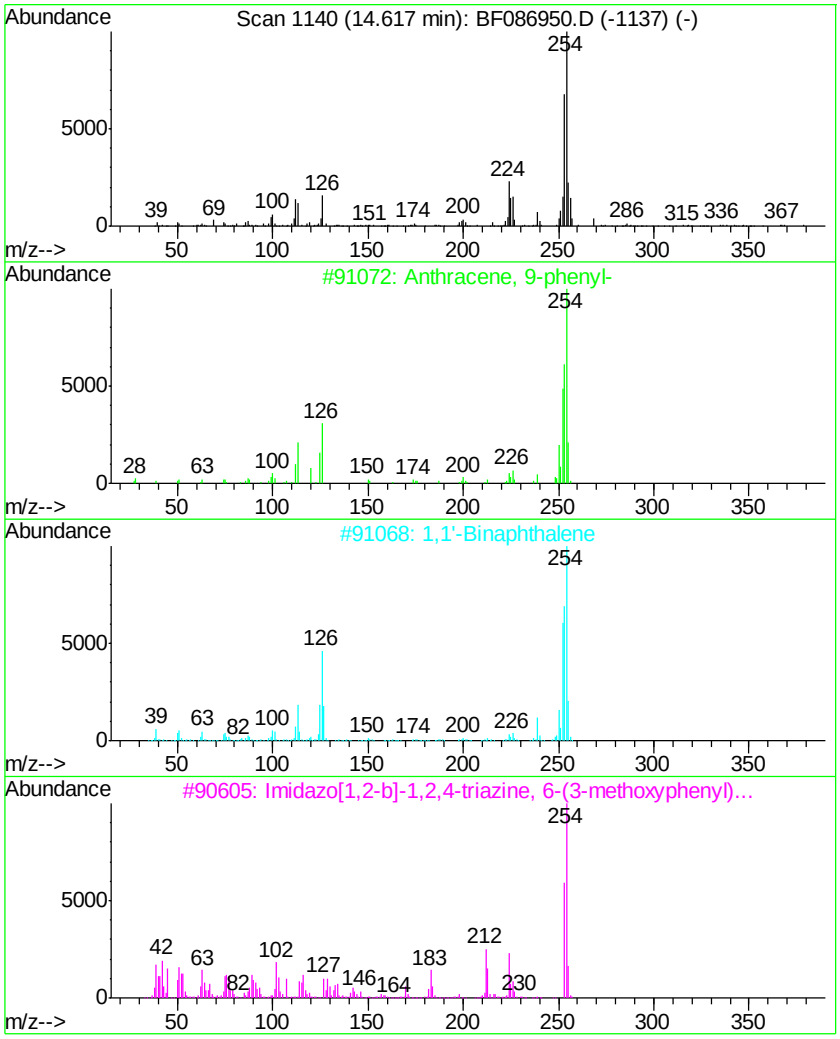
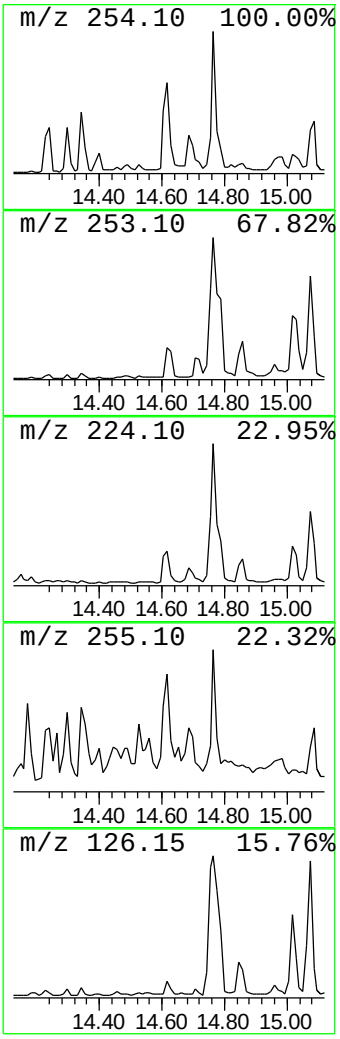
Peak Number 15 Anthracene, 9-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	10.11 ng	326670	Perylene-d12	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	74
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	70
3	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	59
4	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	59
5	Benzenamine, 4,4'-methylenebis[N...	254	C17H22N2	000101-61-1	58





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Sample : H2994-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1720-00(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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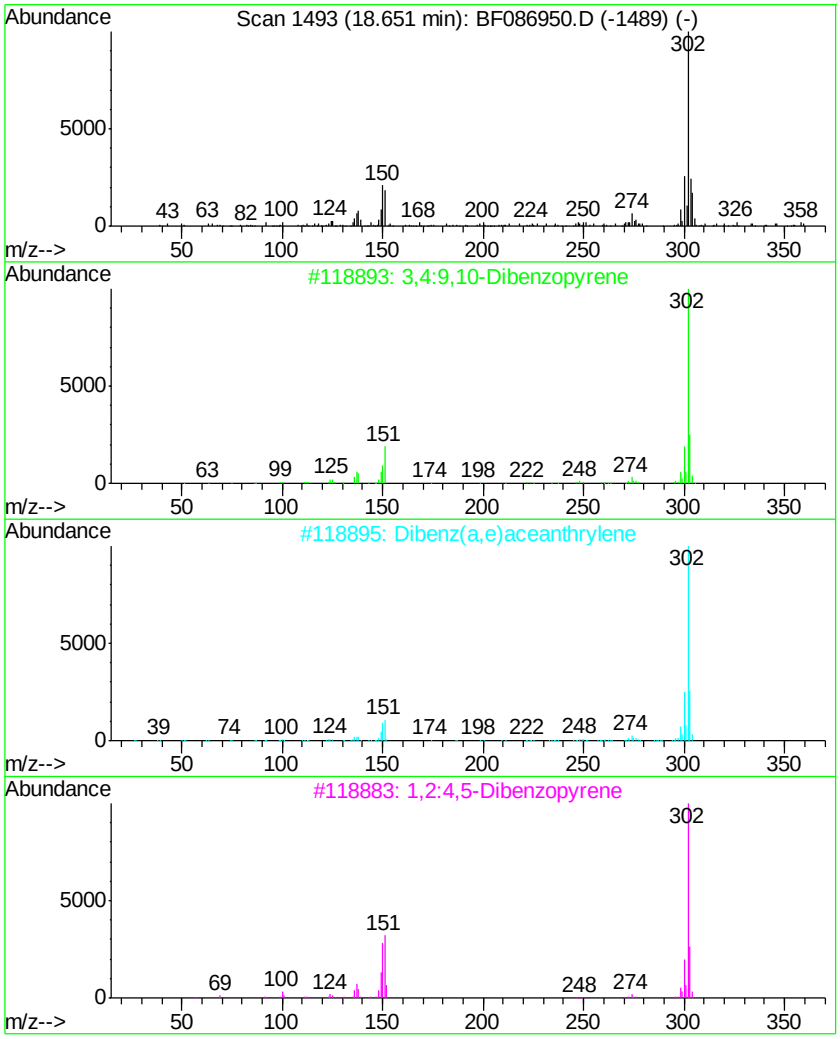
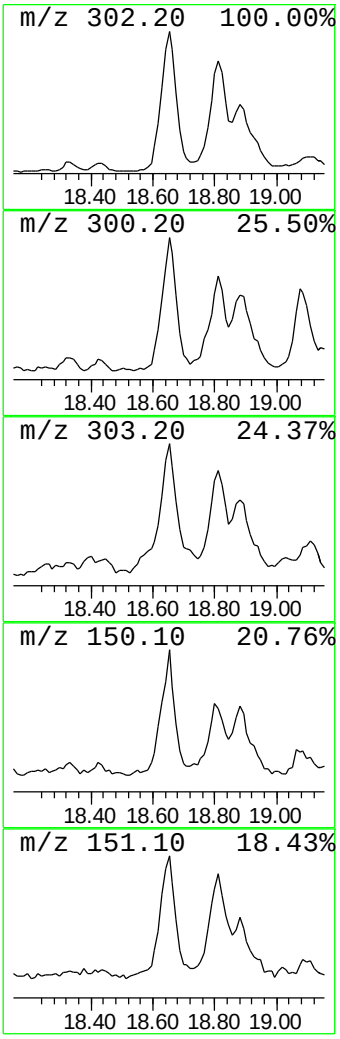
Peak Number 20 3,4:9,10-Dibenzopyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	9.24 ng	298508	Perylene-d12	15.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	93
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	90
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	89
4	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	89
5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	89





Tentatively Identified Compound (LSC) summary

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Data File : BF086950.D
Acq On : 13 May 2016 00:47
Operator : UM/SJ
Sample : H2994-11
Misc :
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Instrument : BNA_F
ClientSampleId : CH-STA-1720-00(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.75	7.1	ng	339609	1	6.62	959651	20.0
unknown6.40	6.40	64.2	ng	3082350	1	6.62	959651	20.0
Hexadecane	10.10	4.0	ng	232671	3	9.66	1157830	20.0
3-Methyl-4-(metho...	10.57	6.7	ng	546546	4	11.13	1621640	20.0
Phenanthrene, 2-m...	11.66	6.2	ng	501248	4	11.13	1621640	20.0
1H-Cyclopropa[l]p...	11.74	6.6	ng	533568	4	11.13	1621640	20.0
Phenanthrene, 2,7...	12.24	4.2	ng	343506	4	11.13	1621640	20.0
11H-Benzo[a]fluorene	12.89	3.9	ng	676663	5	13.77	3449480	20.0
11H-Benzo[a]fluor...	13.41	3.6	ng	622605	5	13.77	3449480	20.0
Benz(A)anthracene...	14.46	8.2	ng	263203	6	15.13	646178	20.0
Benzo[c]phenanthr...	14.53	4.6	ng	148938	6	15.13	646178	20.0
Anthracene, 9-phe...	14.62	10.1	ng	326670	6	15.13	646178	20.0
3,4:9,10-Dibenzop...	18.65	9.2	ng	298508	6	15.13	646178	20.0