LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087853.D
Acq On : 9 Jun 2016 15:33
Operator : UM/SJ
Sample : H3399-11 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-31

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-BF060716.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	1.884	24	26	74	rVB	1969400	5066929	100.00%	21.690%
2	4.970	294	296	299	rBV	85048	83409	1.65%	0.357%
3	5.404	331	334	336	rBV	586718	709826	14.01%	3.039%
4	6.444	422	425	427	rBV	908625	805038	15.89%	3.446%
5	6.581	435	437	439	rBV	915580	815071	16.09%	3.489%
6	6.822	455	458	460	rBV	622920	674986	13.32%	2.889%
7	6.970	469	471	473	rVB	701091	604381	11.93%	2.587%
8	7.382	504	507	509	rBV	467882	478402	9.44%	2.048%
9	8.102	568	570	574	rBV	1023594	950586	18.76%	4.069%
10	9.176	662	664	666	rBV	1303168	1021717	20.16%	4.374%
11	9.565	697	698	701	rVV	47320	63173	1.25%	0.270%
12	9.850	721	723	725	rBV	1186317	1019653	20.12%	4.365%
13	9.885	725	726	728	rVB	105823	75345	1.49%	0.323%
14	10.056	739	741	742	rBV	81733	73541	1.45%	0.315%
15	10.399	769	771	773	rBV	62399	82905	1.64%	0.355%
16	10.628	789	791	794	rBV2	410199	469455	9.27%	2.010%
17	10.765	801	803	805	rBV	33360	54860	1.08%	0.235%
18	11.131	834	835	837	rVB	61435	50791	1.00%	0.217%
19	11.222	837	843	848	rVB3	52391	134182	2.65%	0.574%
20	11.325	850	852	853	rBV	757723	885104	17.47%	3.789%
21	11.348	853	854	856	rVV	577753	776343	15.32%	3.323%
22	11.405	856	859	860	rVV	217842	216175	4.27%	0.925%
23	11.553	869	872	877	rBV2	81139	92435	1.82%	0.396%
24	11.828	894	896	897	rBV	107310	93020	1.84%	0.398%
25	11.851	897	898	901	rVB	106200	119446	2.36%	0.511%
26	11.896	901	902	904	rBV	42120	54857	1.08%	0.235%
27	11.942	904	906	910	rVB2	138063	228236	4.50%	0.977%
28	12.125	920	922	926	rVB2	83779	135249	2.67%	0.579%
29	12.308	936	938	941	rVB3	28871	55249	1.09%	0.237%
30	12.376	941	944	945	rBV	63651	67554	1.33%	0.289%
31	12.411	945	947	950	rVB3	30871	52687	1.04%	0.226%
32	12.456	950	951	954	rVB	60050	58947	1.16%	0.252%
33	12.536	956	958	960	rBV	1009072	862817	17.03%	3.693%
34	12.685	967	971	975	rBV4	31034	66656	1.32%	0.285%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087853.D
Acq On : 9 Jun 2016 15:33
Operator : UM/SJ
Sample : H3399-11 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-31

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-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.765	975	978	980	rBV	657736	818663	16.16%	3.504%
36	12.914	989	991	993	rVB	550169	716809	14.15%	3.068%
37	12.982	993	997	998	rBV2	45186	61201	1.21%	0.262%
38	13.085	1003	1006	1010	rVB	86695	122591	2.42%	0.525%
39	13.154	1010	1012	1013	rBV	73863	61806	1.22%	0.265%
40	13.188	1013	1015	1016	rBV	69381	66566	1.31%	0.285%
41	13.394	1031	1033	1035	rBV3	39377	60261	1.19%	0.258%
42	13.588	1048	1050	1053	rVB	62991	69469	1.37%	0.297%
43	13.702	1057	1060	1061	rBV2	64240	92042	1.82%	0.394%
44	13.736	1061	1063	1067	rVV3	41698	123439	2.44%	0.528%
45	13.794	1067	1068	1073	rVB2	58161	99523	1.96%	0.426%
46	13.954	1078	1082	1087	rBV2	871450	1437033	28.36%	6.151%
47	14.137	1092	1098	1099	rVV3	36915	67500	1.33%	0.289%
48	14.342	1113	1116	1117	rVB	41089	57294	1.13%	0.245%
49	14.959	1168	1170	1175	rBV	295500	564339	11.14%	2.416%
50	15.062	1176	1179	1181	rVB2	60414	92396	1.82%	0.396%
51	15.245	1192	1195	1198	rVB	183574	224868	4.44%	0.963%
52	15.302	1198	1200	1203	rBV	250315	286352	5.65%	1.226%
53	15.359	1203	1205	1207	rBV	517285	705062	13.91%	3.018%
54	15.508	1216	1218	1221	rBV3	24717	52728	1.04%	0.226%
55	15.817	1242	1245	1247	rBV	28533	50936	1.01%	0.218%
56	16.022	1261	1263	1269	rVB4	37973	86804	1.71%	0.372%
57	16.548	1307	1309	1317	rVB3	28034	72578	1.43%	0.311%
58	16.720	1321	1324	1329	rVB2	94770	199123	3.93%	0.852%
59	17.120	1356	1359	1364	rBV	82886	172320	3.40%	0.738%

Sum of corrected areas: 23360728

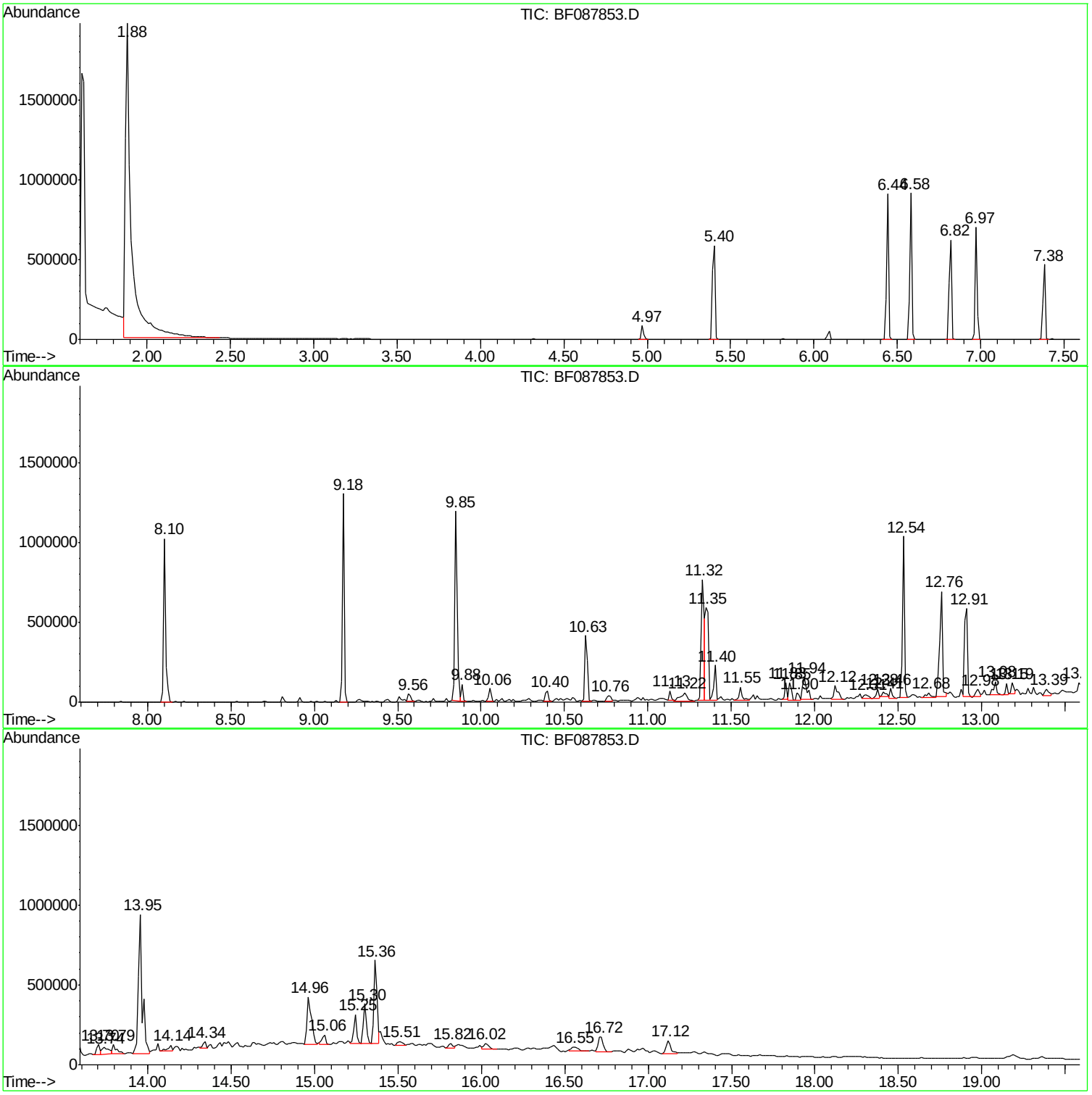
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087853.D
Acq On : 9 Jun 2016 15:33
Operator : UM/SJ
Sample : H3399-11 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-31

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087853.D
Acq On : 9 Jun 2016 15:33
Operator : UM/SJ
Sample : H3399-11 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-31

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

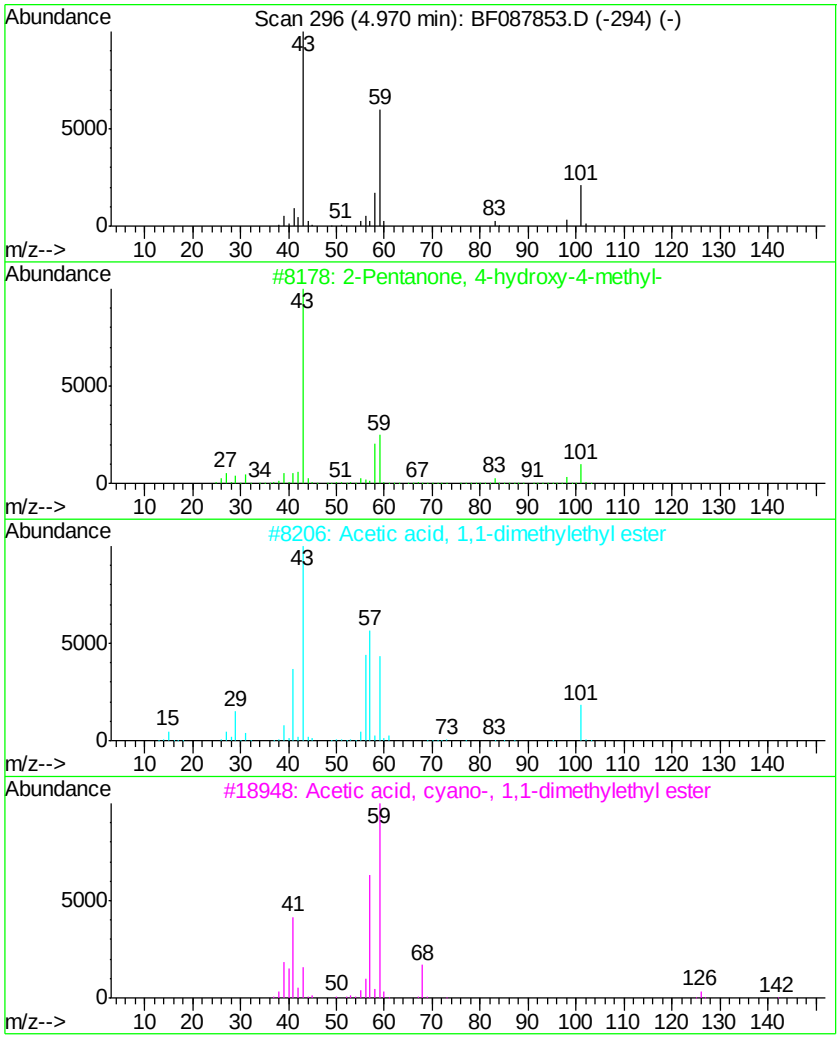
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

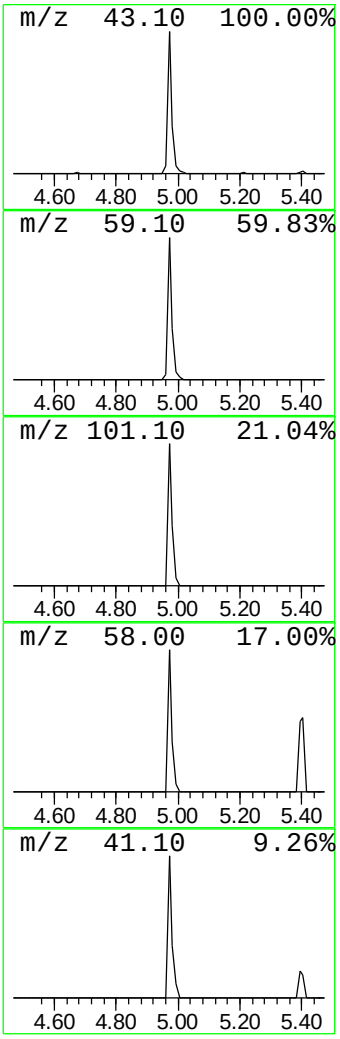
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.97	2.47 ng	83409	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087853.D
Acq On : 9 Jun 2016 15:33
Operator : UM/SJ
Sample : H3399-11 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-31

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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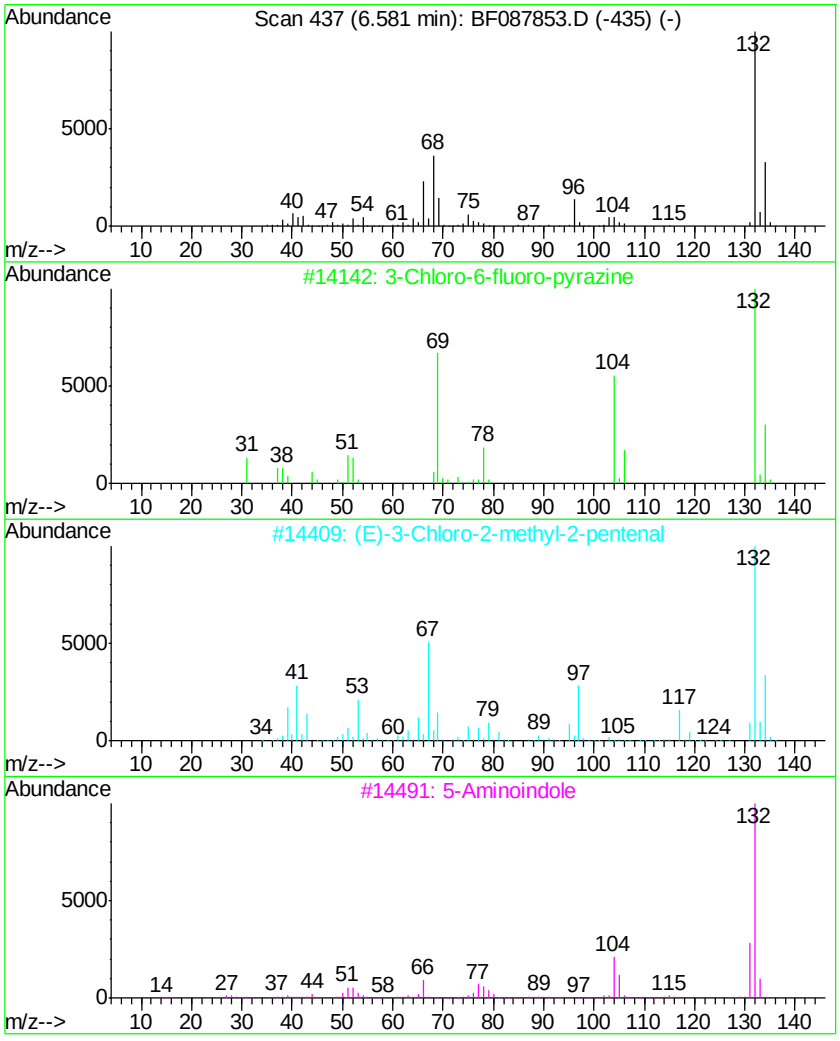
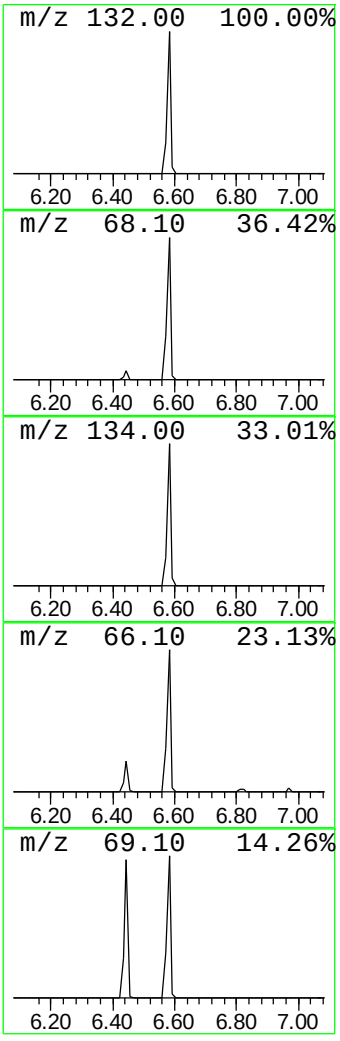
Peak Number 3 unknown6.58 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	24.15 ng	815071	1,4-Dichlorobenzene-d4	6.82

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	25
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087853.D
Acq On : 9 Jun 2016 15:33
Operator : UM/SJ
Sample : H3399-11 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-31

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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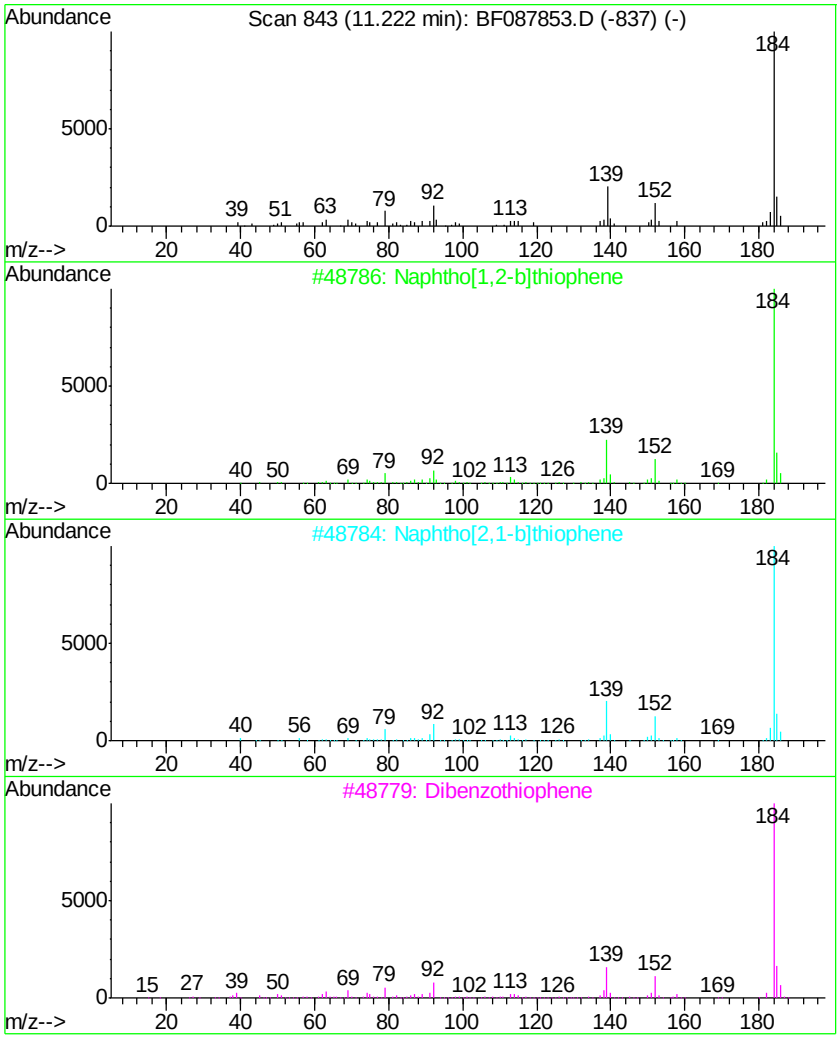
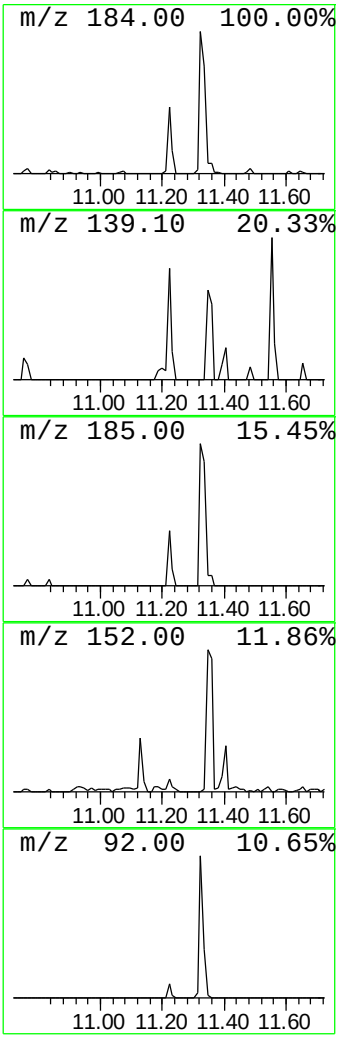
Peak Number 5 Naphtho[1,2-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	3.03 ng	134182	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3	Dibenzothiophene	184	C12H8S	000132-65-0	97
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	96
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087853.D
Acq On : 9 Jun 2016 15:33
Operator : UM/SJ
Sample : H3399-11 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-31

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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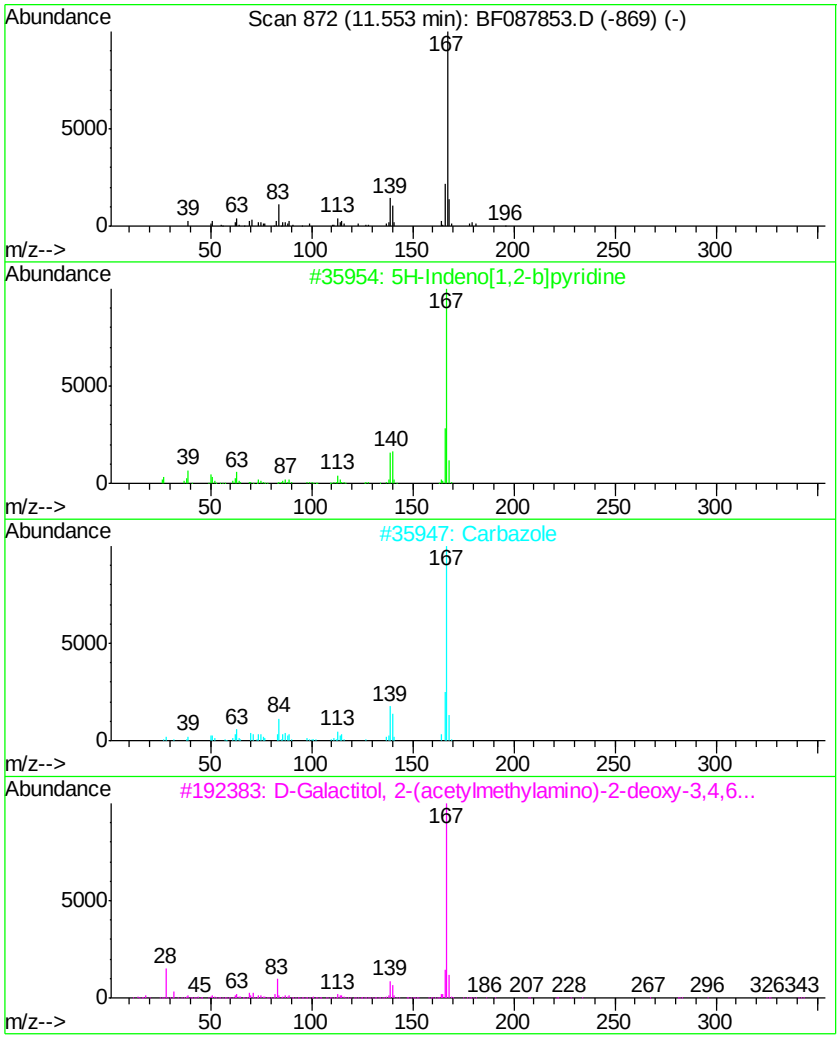
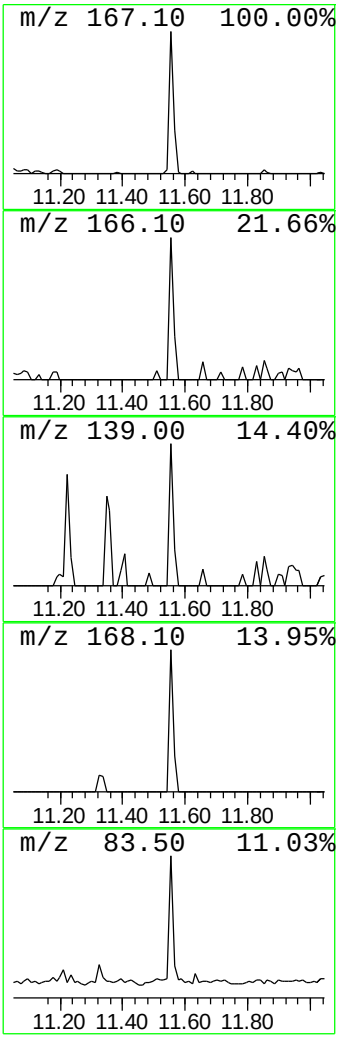
Peak Number 6 5H-Indeno[1,2-b]pyridine Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	2.09 ng	92435	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	93
2	Carbazole	167	C12H9N	000086-74-8	90
3	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	90
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	87
5	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	86





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Acq On : 9 Jun 2016 15:33
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Sample : H3399-11 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-31

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

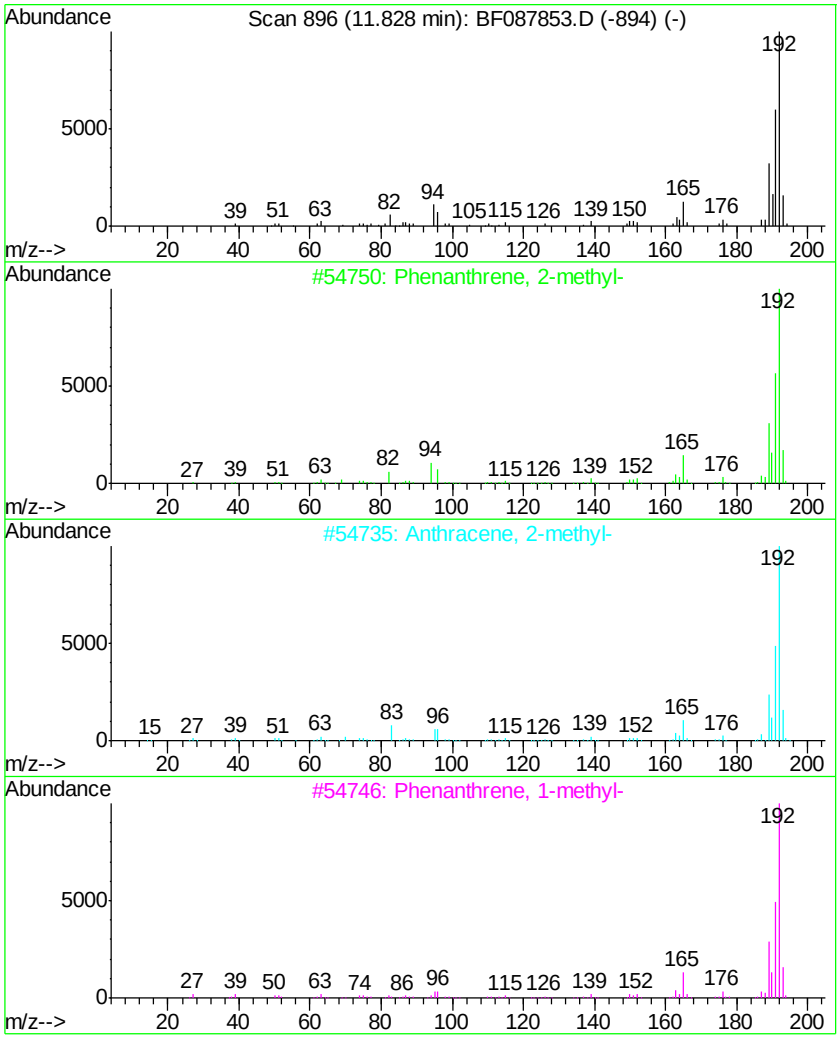
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

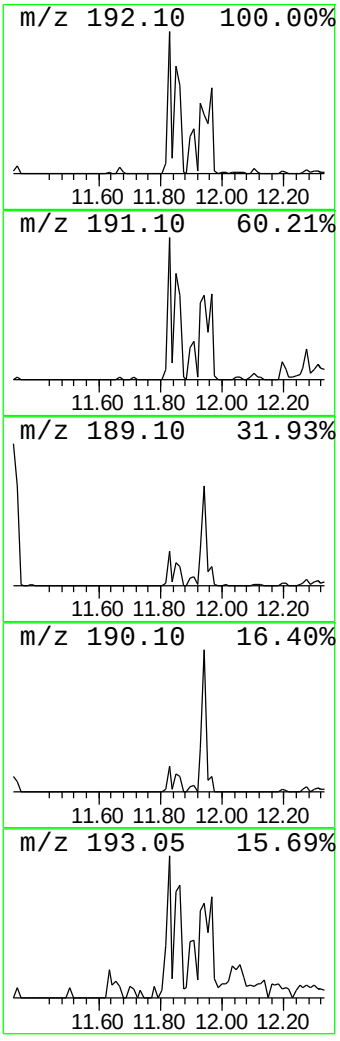
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	2.10 ng	93020	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Data File : BF087853.D
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Sample : H3399-11 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-31

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

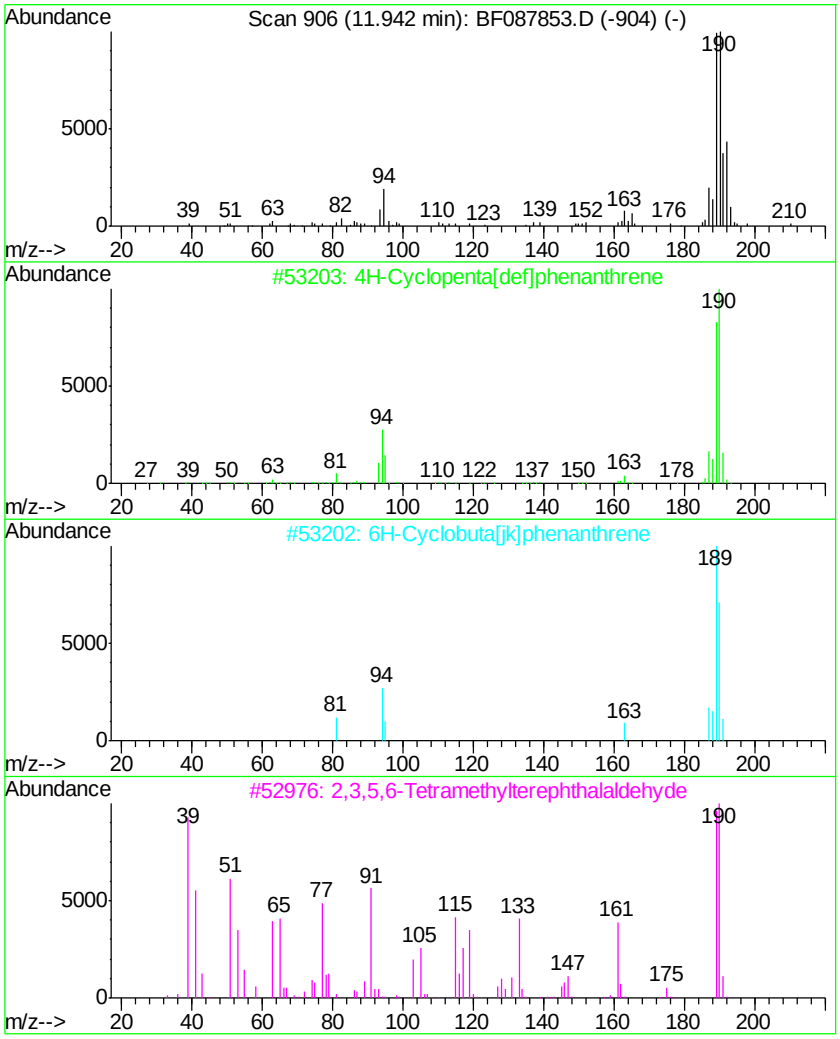
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

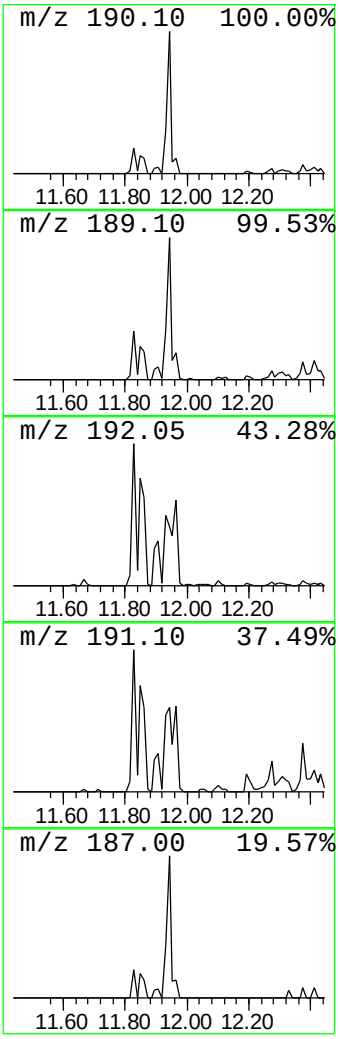
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	5.16 ng	228236	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	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	Methyl diselenide	190	C2H6Se2	007101-31-7	45
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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Data File : BF087853.D
Acq On : 9 Jun 2016 15:33
Operator : UM/SJ
Sample : H3399-11 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-31

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

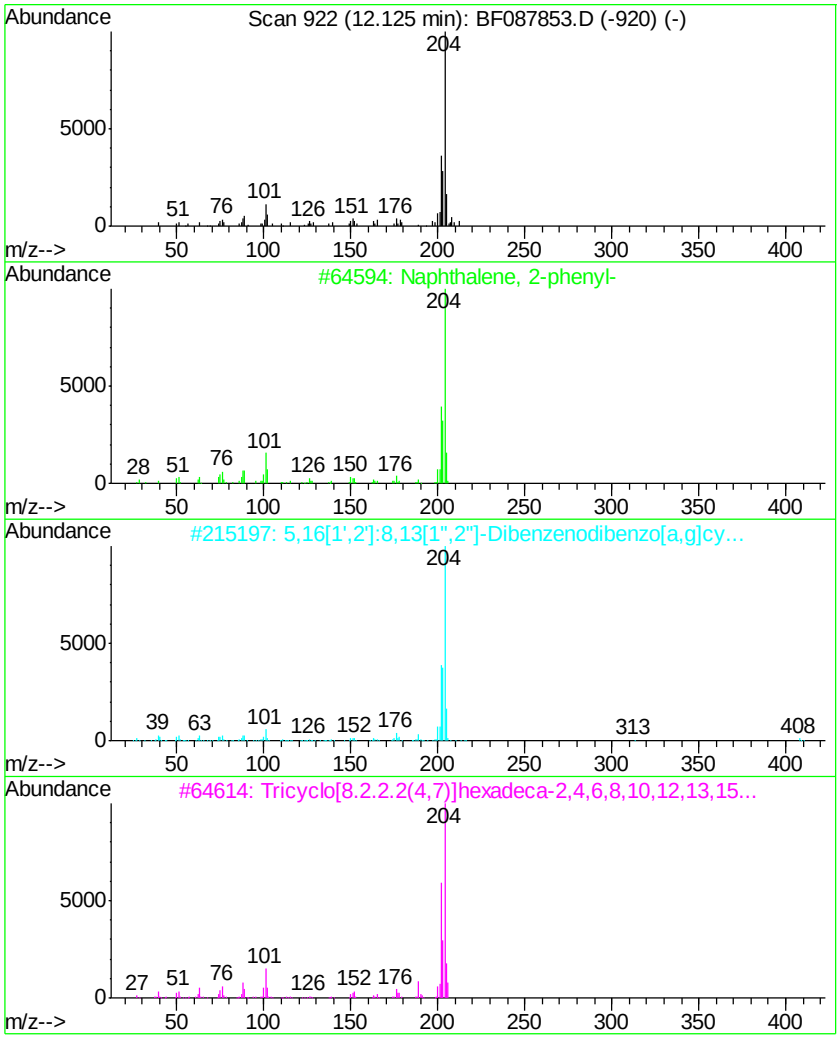
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

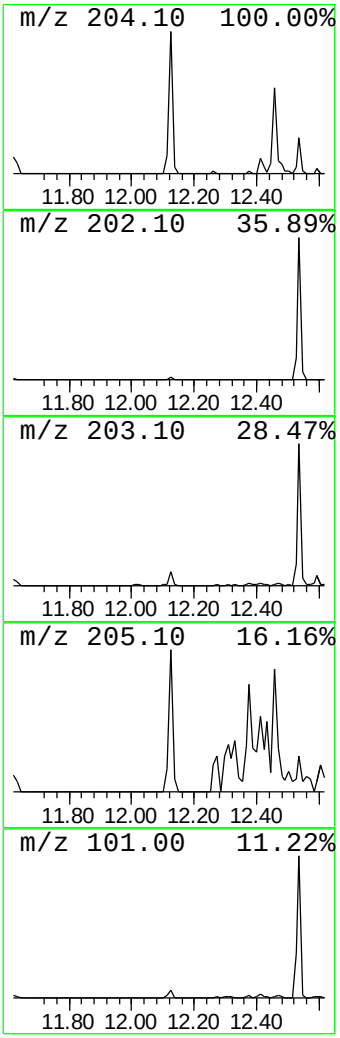
****

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.06 ng	135249	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087853.D
Acq On : 9 Jun 2016 15:33
Operator : UM/SJ
Sample : H3399-11 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-31

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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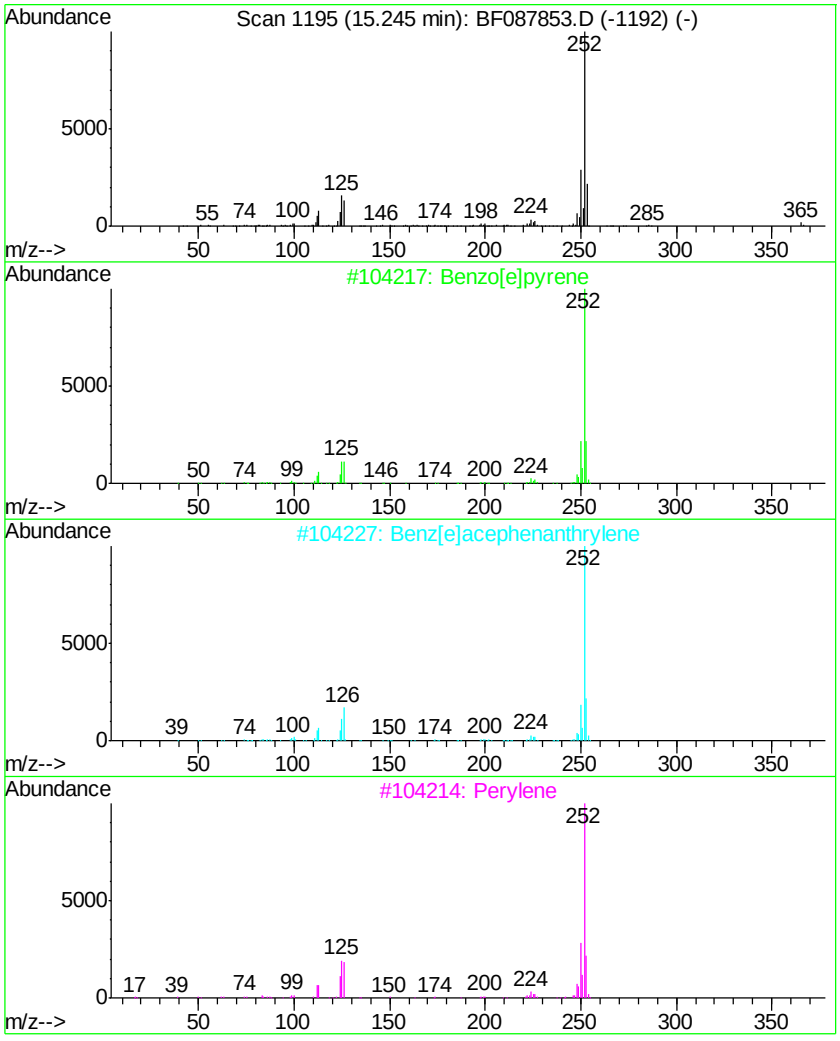
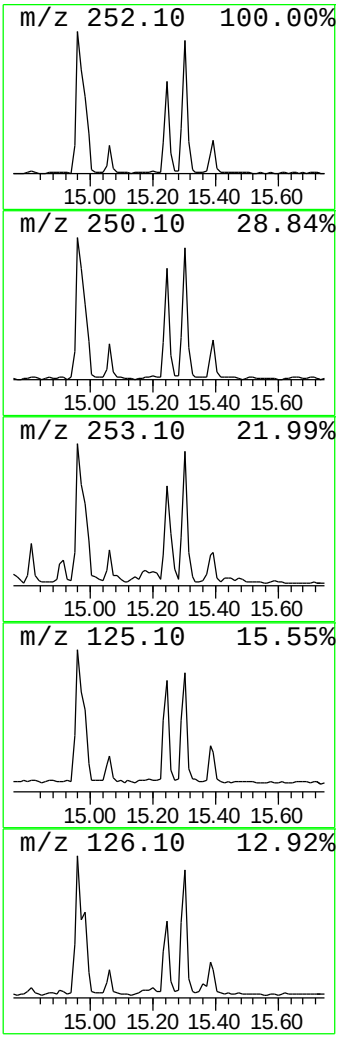
Peak Number 12 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	6.38 ng	224868	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Perylene	252	C20H12	000198-55-0	98
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





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Data File : BF087853.D
Acq On : 9 Jun 2016 15:33
Operator : UM/SJ
Sample : H3399-11 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-31

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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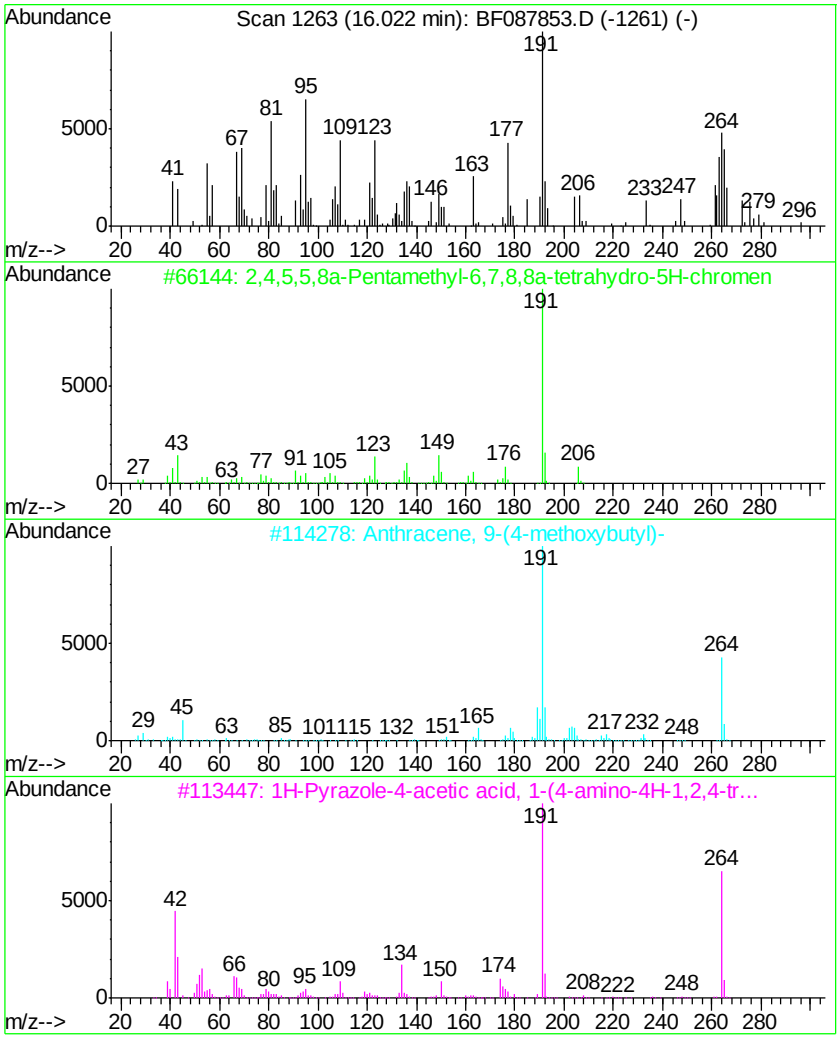
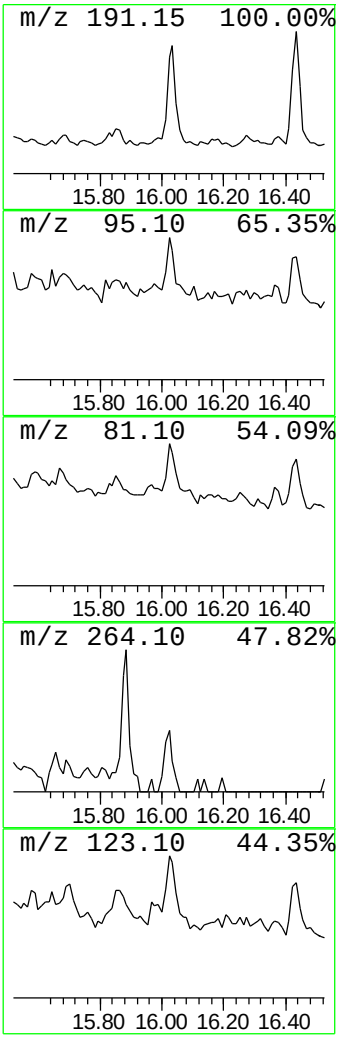
Peak Number 13 unknown16.02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	2.46 ng	86804	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	38
2	Anthracene, 9-(4-methoxybutyl)-	264	C19H20O	144000-76-0	30
3	1H-Pyrazole-4-acetic acid, 1-(4-...	264	C11H16N6O2	1000337-51-2	22
4	Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	12
5	Benzeneacetic acid, 4-(1,1-dimet...	206	C13H18O2	003549-23-3	11





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087853.D
Acq On : 9 Jun 2016 15:33
Operator : UM/SJ
Sample : H3399-11 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-31

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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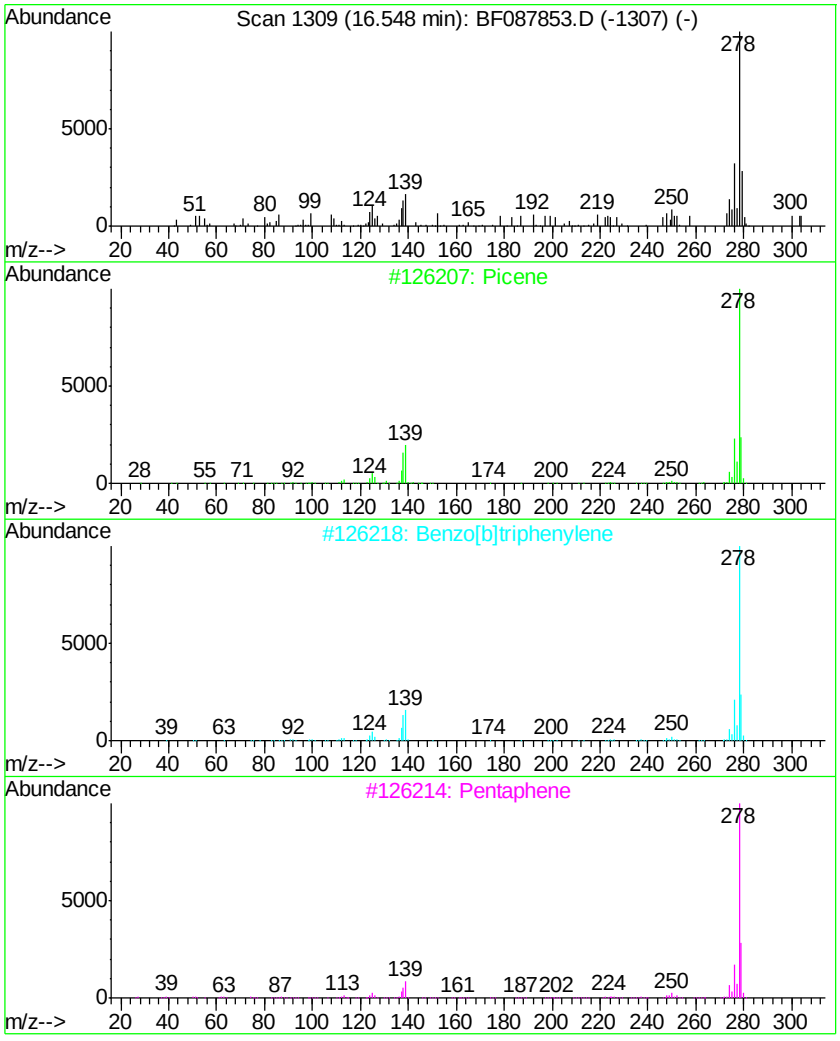
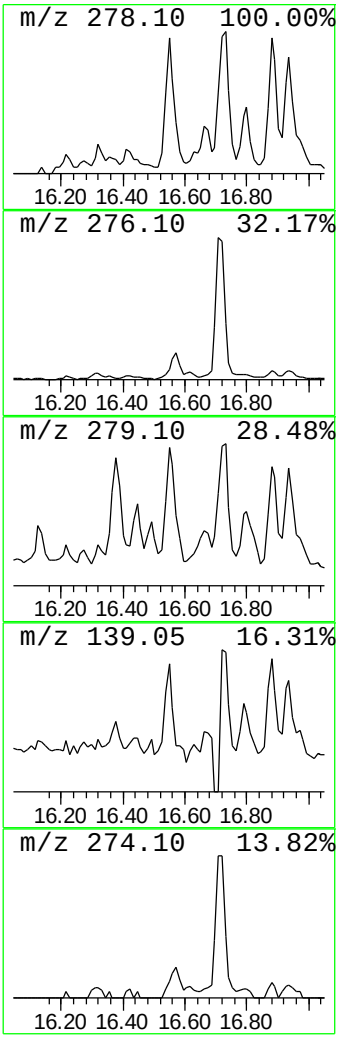
Peak Number 14 Picene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	2.06 ng	72578	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	70
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	70
3	Pentaphene	278	C22H14	000222-93-5	70
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	70
5	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060916\
Data File : BF087853.D
Acq On : 9 Jun 2016 15:33
Operator : UM/SJ
Sample : H3399-11 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-31

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.97	2.5	ng	83409	1	6.82	674986	20.0
unknown6.58	6.58	24.1	ng	815071	1	6.82	674986	20.0
Naphtho[1,2-b]thi...	11.22	3.0	ng	134182	4	11.32	885104	20.0
5H-Indeno[1,2-b]p...	11.55	2.1	ng	92435	4	11.32	885104	20.0
Phenanthrene, 2-m...	11.83	2.1	ng	93020	4	11.32	885104	20.0
4H-Cyclopenta[def...	11.94	5.2	ng	228236	4	11.32	885104	20.0
Naphthalene, 2-ph...	12.12	3.1	ng	135249	4	11.32	885104	20.0
Benzo[e]pyrene	15.25	6.4	ng	224868	6	15.36	705062	20.0
unknown16.02	16.02	2.5	ng	86804	6	15.36	705062	20.0
Picene	16.55	2.1	ng	72578	6	15.36	705062	20.0