LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
Data File : BF089009.D
Acq On : 15 Jul 2016 2:51
Operator : UM/SJ
Sample : H3972-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LSS-SS-SS03(0-2in)

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-BF063016.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	1.667	5	7	15	rVB	89560	167193	13.87%	1.176%
2	1.781	15	17	22	rBV	781505	961392	79.78%	6.762%
3	2.227	54	56	61	rVB2	11485	18758	1.56%	0.132%
4	4.833	281	284	288	rVB	154052	202768	16.83%	1.426%
5	5.290	321	324	326	rBV	1193582	1205095	100.00%	8.476%
6	6.342	413	416	419	rBV	1010669	1084020	89.95%	7.625%
7	6.456	424	426	429	rVV	973293	1140186	94.61%	8.020%
8	6.513	429	431	435	rVB	12634	17501	1.45%	0.123%
9	6.685	444	446	448	rBV	326988	293175	24.33%	2.062%
10	6.765	450	453	457	rBV	7736	17468	1.45%	0.123%
11	6.845	457	460	462	rBV	1115890	925693	76.81%	6.511%
12	7.256	493	496	498	rBV	796014	739155	61.34%	5.199%
13	7.382	505	507	509	rBV	16937	18277	1.52%	0.129%
14	7.725	534	537	541	rBV3	17010	27738	2.30%	0.195%
15	7.793	541	543	545	rVB	22649	19043	1.58%	0.134%
16	7.976	557	559	560	rBV	452656	390368	32.39%	2.746%
17	8.582	605	612	613	rBV	8829	13857	1.15%	0.097%
18	8.685	619	621	623	rBV	26649	21497	1.78%	0.151%
19	8.742	623	626	629	rBV	172742	189207	15.70%	1.331%
20	9.051	650	653	655	rBV	1445810	1175987	97.58%	8.272%
21	9.142	658	661	663	rBV	12417	17783	1.48%	0.125%
22	9.451	685	688	690	rVB	337257	330386	27.42%	2.324%
23	9.576	698	699	702	rVB3	15256	16466	1.37%	0.116%
24	9.668	705	707	709	rVB	27684	23841	1.98%	0.168%
25	9.725	709	712	713	rBV	318183	345904	28.70%	2.433%
26	9.919	728	729	734	rVB4	9136	23347	1.94%	0.164%
27	10.068	737	742	743	rBV2	7468	16856	1.40%	0.119%
28	10.171	749	751	753	rVB	25076	27546	2.29%	0.194%
29	10.262	758	759	763	rVB2	20711	24552	2.04%	0.173%
30	10.388	766	770	771	rBV2	14158	24583	2.04%	0.173%
31	10.502	778	780	782	rBV2	502542	571555	47.43%	4.020%
32	10.639	787	792	796	rVB2	40238	69094	5.73%	0.486%
33	10.959	818	820	823	rBV4	15690	20649	1.71%	0.145%
34	11.085	827	831	832	rBV2	39856	60261	5.00%	0.424%

LSC Area Percent Report

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Data File : BF089009.D
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Operator : UM/SJ
Sample : H3972-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LSS-SS-SS03(0-2in)

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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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.199	839	841	844	rBV2	366150	497935	41.32%	3.502%
36	11.268	844	847	849	rVB	58777	63140	5.24%	0.444%
37	11.439	859	862	865	rBV2	64157	88857	7.37%	0.625%
38	11.508	866	868	871	rVV2	22507	28041	2.33%	0.197%
39	11.599	874	876	879	rVB4	15717	22758	1.89%	0.160%
40	11.691	879	884	886	rBV2	35179	89188	7.40%	0.627%
41	11.748	886	889	890	rVV2	113998	140931	11.69%	0.991%
42	11.805	892	894	897	rVB2	54248	69273	5.75%	0.487%
43	11.908	901	903	906	rVB	30022	46643	3.87%	0.328%
44	12.011	908	912	915	rVV4	31147	73608	6.11%	0.518%
45	12.251	930	933	936	rBV3	36630	84733	7.03%	0.596%
46	12.399	944	946	948	rBV	266030	245106	20.34%	1.724%
47	12.628	963	966	968	rBV	230956	245639	20.38%	1.728%
48	12.662	968	969	973	rVB	80194	129845	10.77%	0.913%
49	12.777	977	979	982	rVB	730099	938759	77.90%	6.603%
50	12.857	982	986	987	rBV2	24287	41131	3.41%	0.289%
51	13.062	1002	1004	1008	rBV2	43100	52009	4.32%	0.366%
52	13.257	1019	1021	1026	rVB	154262	141195	11.72%	0.993%
53	13.691	1057	1059	1063	rVB2	125994	149015	12.37%	1.048%
54	13.828	1068	1071	1074	rVV2	372119	618910	51.36%	4.353%
55	15.200	1189	1191	1196	rVB	169417	249348	20.69%	1.754%

Sum of corrected areas: 14217265

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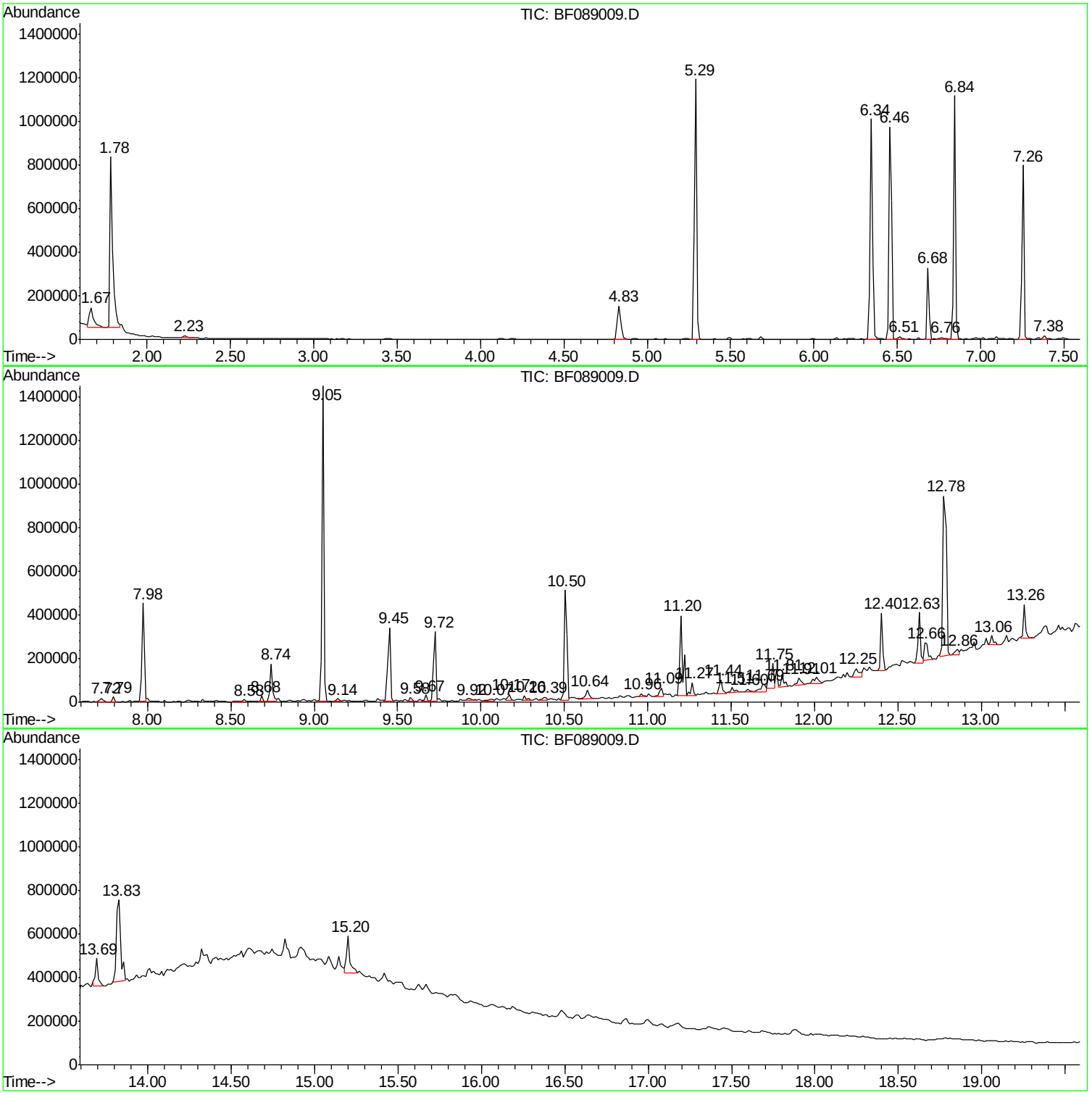
Data File : BF089009.D
Acq On : 15 Jul 2016 2:51
Operator : UM/SJ
Sample : H3972-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS03(0-2in)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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\BF071416\
Data File : BF089009.D
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Operator : UM/SJ
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Instrument : BNA_F
ClientSampleId : LSS-SS-SS03(0-2in)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

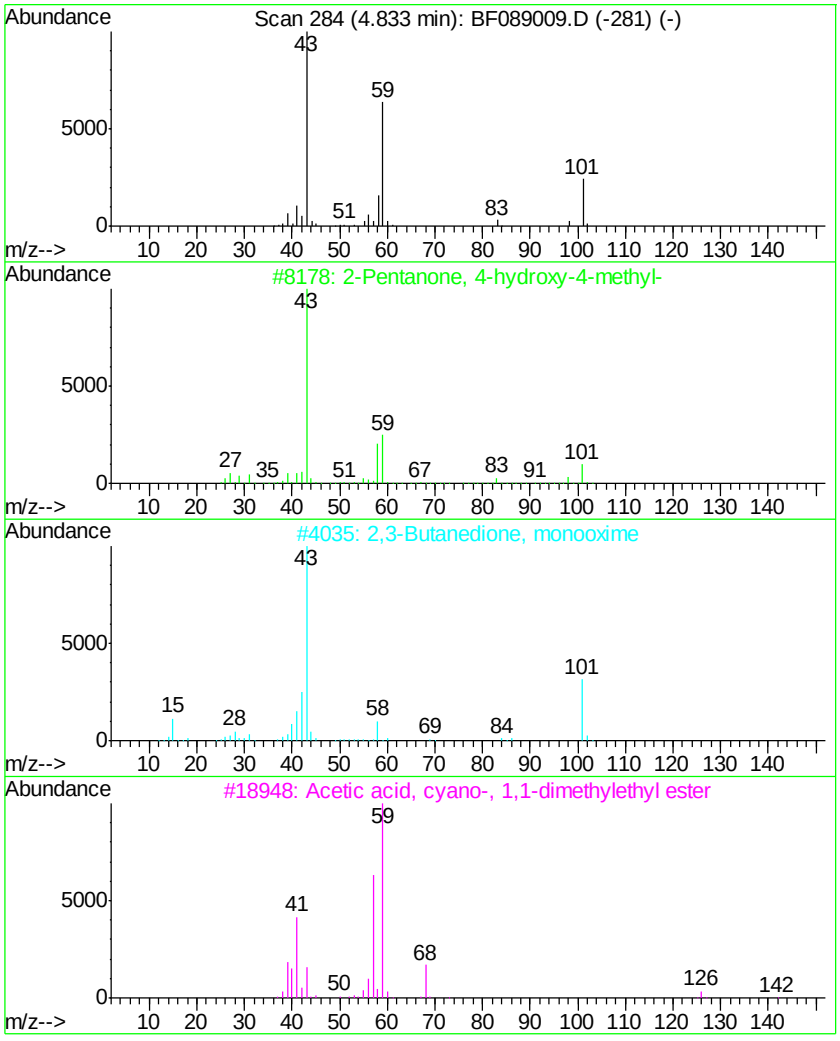
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

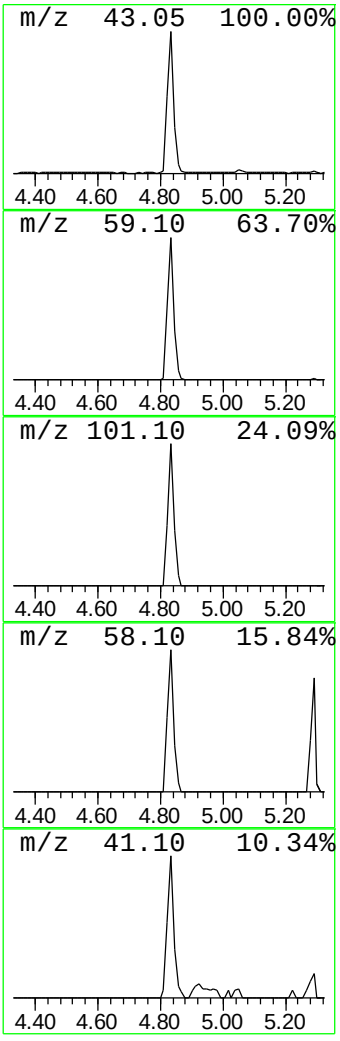
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.83	13.83 ng	202768	1,4-Dichlorobenzene-d4	6.68

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	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	23
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





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Operator : UM/SJ
Sample : H3972-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LSS-SS-SS03(0-2in)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

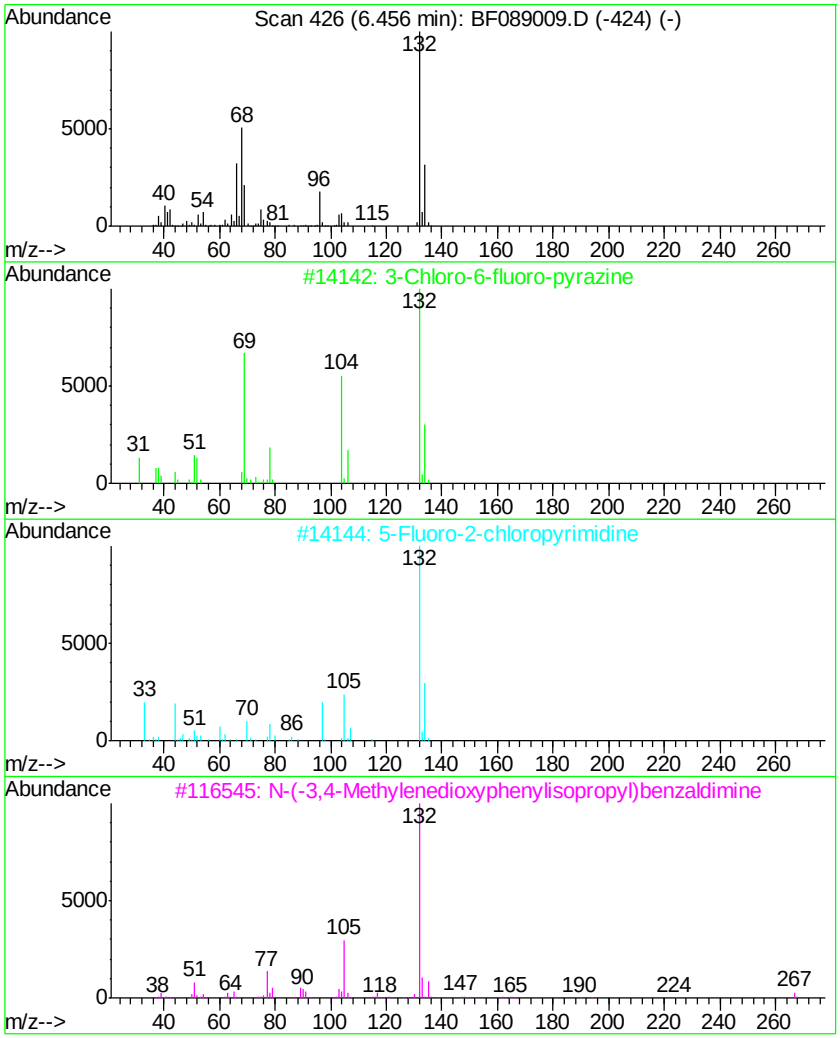
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

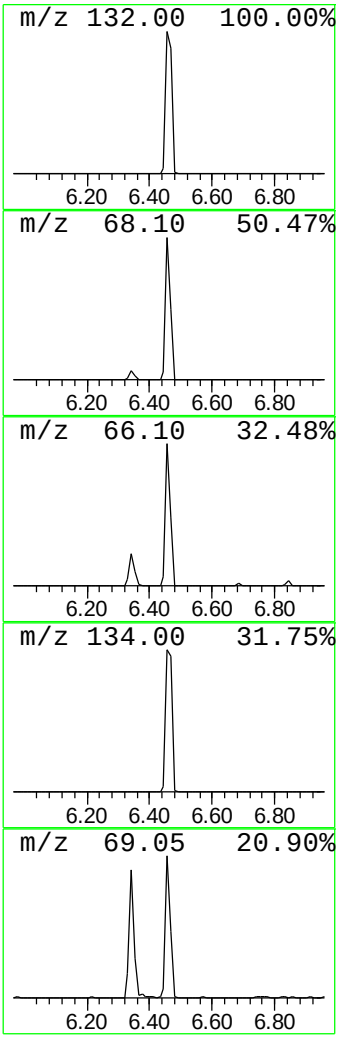
****

Peak Number 4 unknown6.46 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	77.78 ng	1140190	1,4-Dichlorobenzene-d4	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	N-(-3,4-Methylenedioxyphenylisop...	267	C17H17NO2	1000378-96-6	10
4	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
5	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
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Operator : UM/SJ
Sample : H3972-13
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Instrument : BNA_F
ClientSampleId : LSS-SS-SS03(0-2in)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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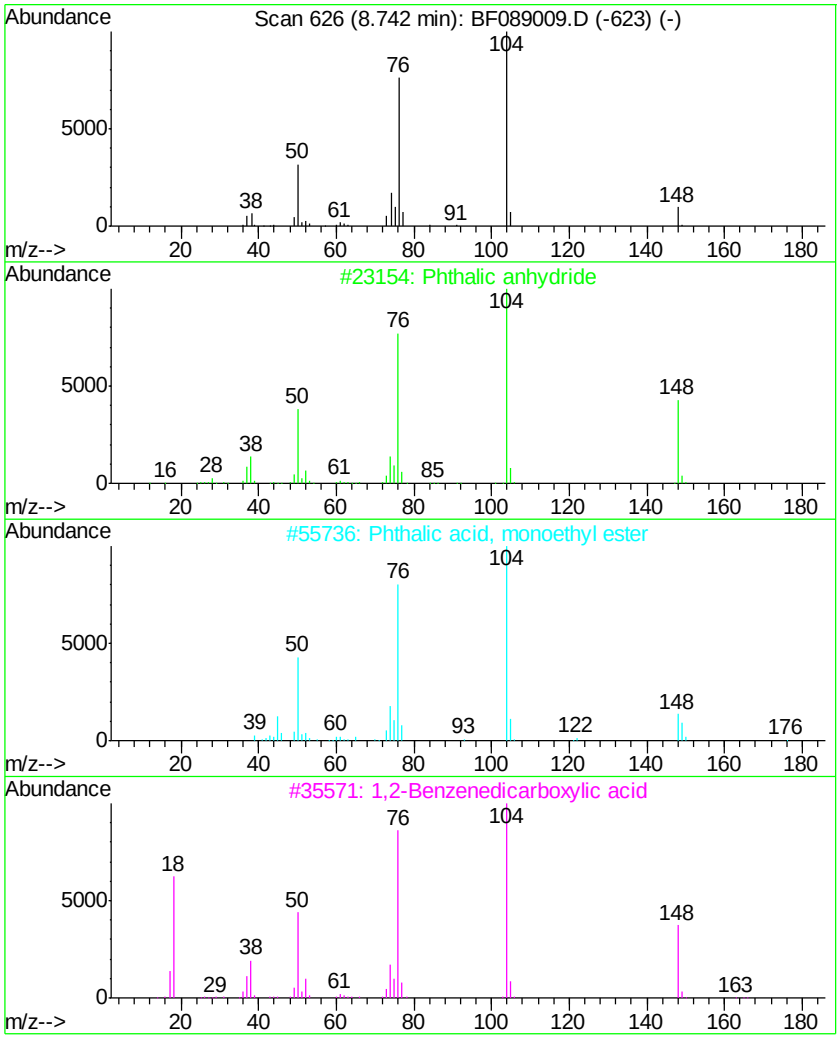
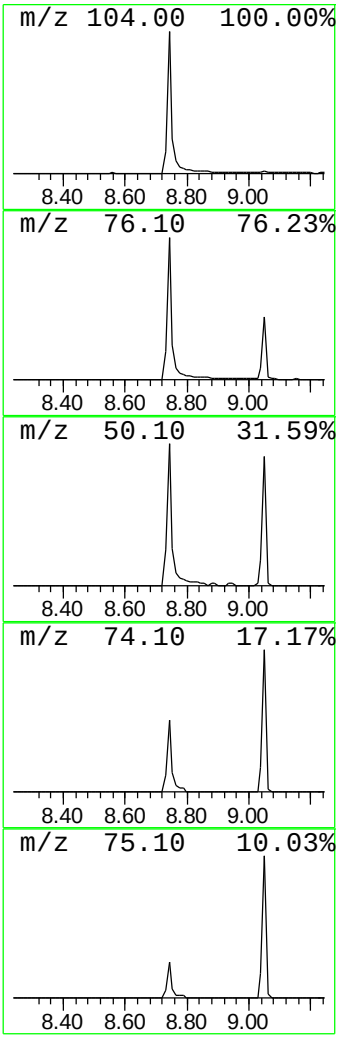
****

Peak Number 6 Phthalic anhydride Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	9.69 ng	189207	Naphthalene-d8	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic anhydride	148	C8H4O3	000085-44-9	94
2	Phthalic acid, monoethyl ester	194	C10H10O4	002306-33-4	90
3	1,2-Benzenedicarboxylic acid	166	C8H6O4	000088-99-3	83
4	N-[2-Acetamidoethylthiol]phthalimide	264	C12H12N2O3S	025158-14-9	78
5	Phthalamic acid	165	C8H7NO3	000088-97-1	74





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Sample : H3972-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LSS-SS-SS03(0-2in)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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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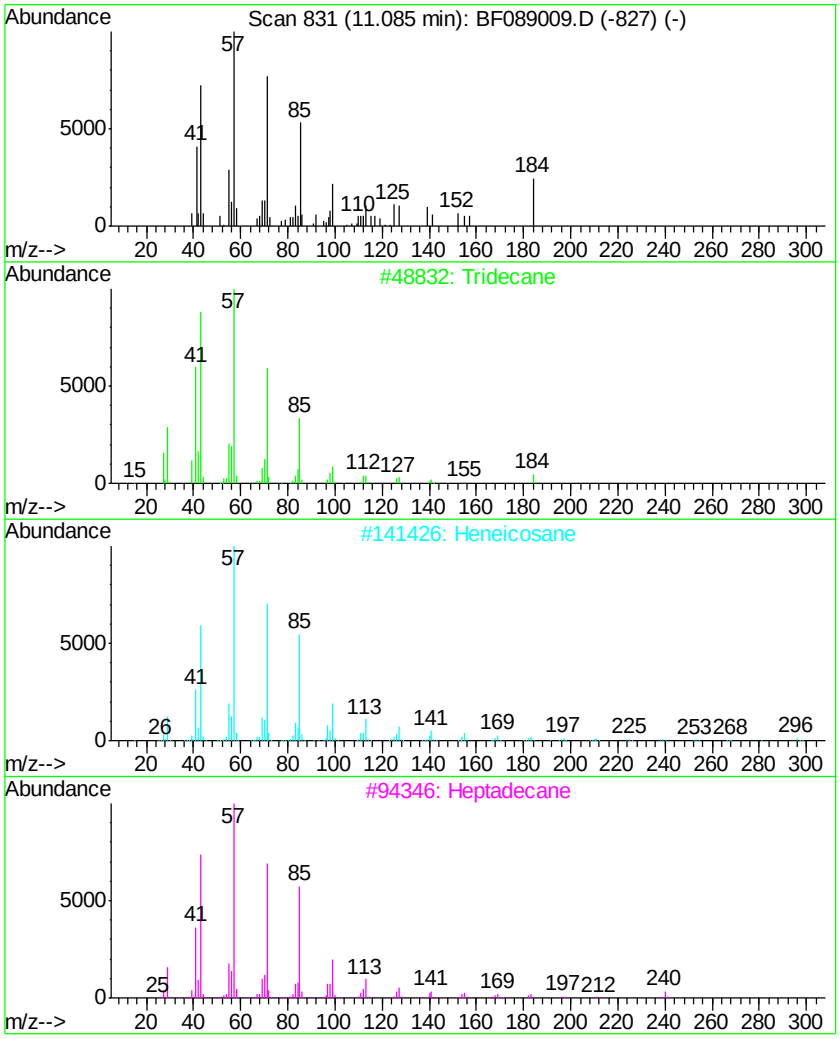
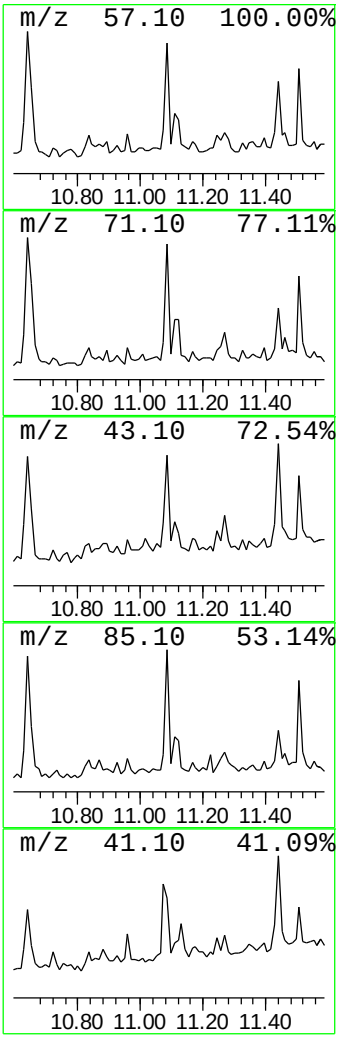
Peak Number 8 Tridecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	2.42 ng	60261	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	83
2	Heneicosane	296	C21H44	000629-94-7	74
3	Heptadecane	240	C17H36	000629-78-7	72
4	Octacosane	394	C28H58	000630-02-4	72
5	Triacontane	422	C30H62	000638-68-6	72





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Sample : H3972-13
Misc :
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Instrument : BNA_F
ClientSampleId : LSS-SS-SS03(0-2in)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
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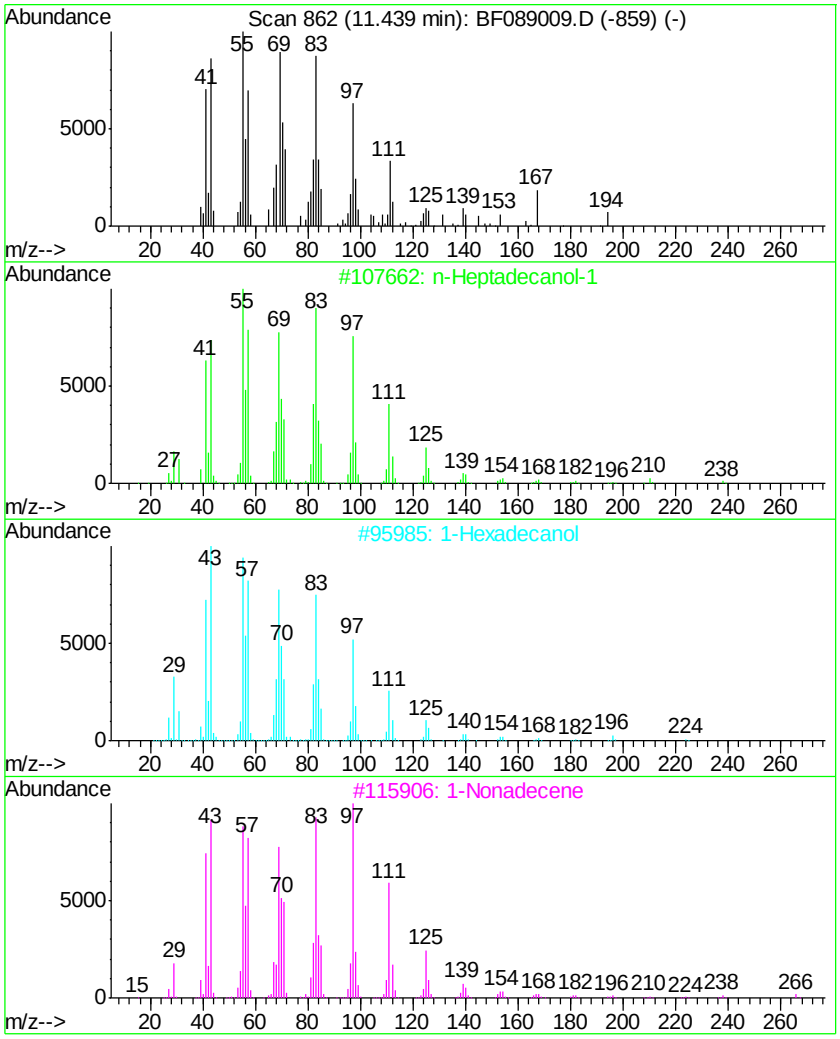
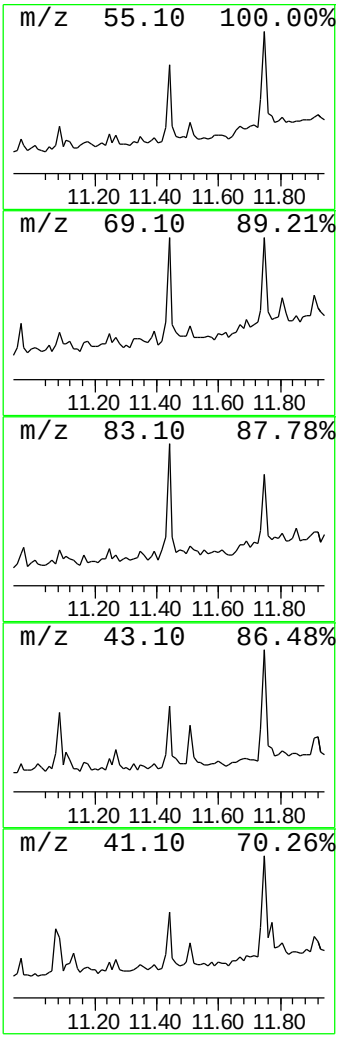
Peak Number 9 n-Heptadecanol-1 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	3.57 ng	88857	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Heptadecanol-1	256	C17H36O	001454-85-9	94
2	1-Hexadecanol	242	C16H34O	036653-82-4	91
3	1-Nonadecene	266	C19H38	018435-45-5	91
4	n-Pentadecanol	228	C15H32O	000629-76-5	90
5	1-Tetradecanol	214	C14H30O	000112-72-1	87





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Instrument : BNA_F
ClientSampleId : LSS-SS-SS03(0-2in)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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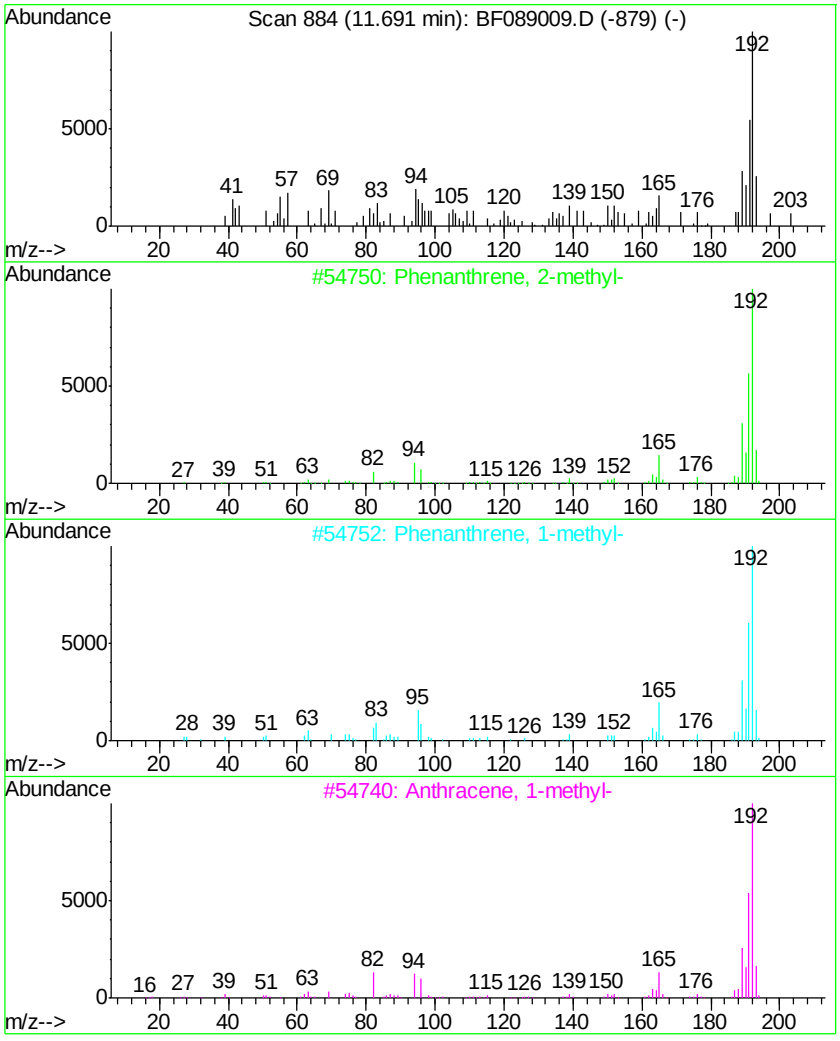
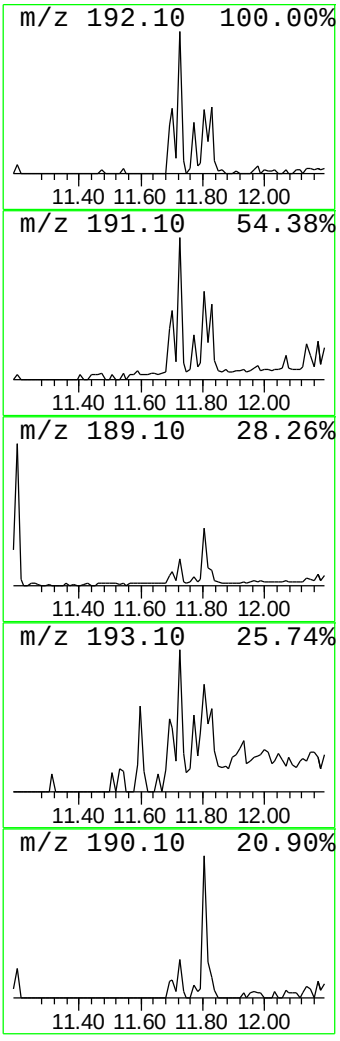
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	3.58 ng	89188	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	58
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	53
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	52





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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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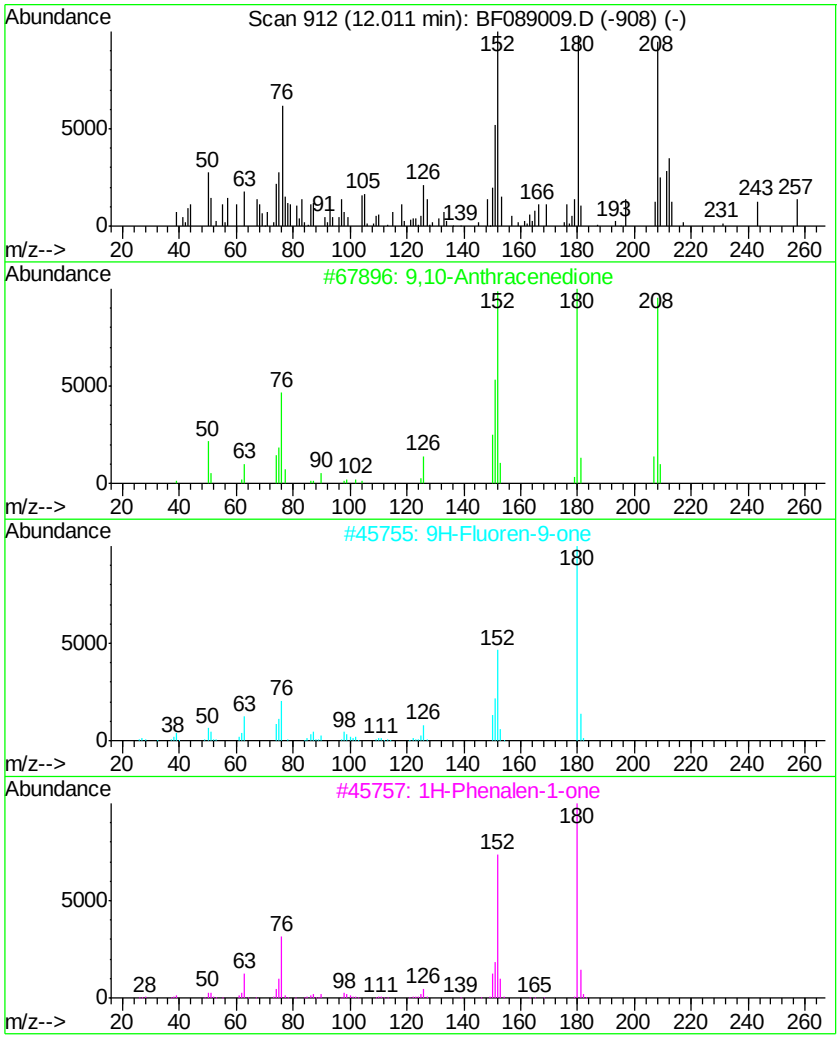
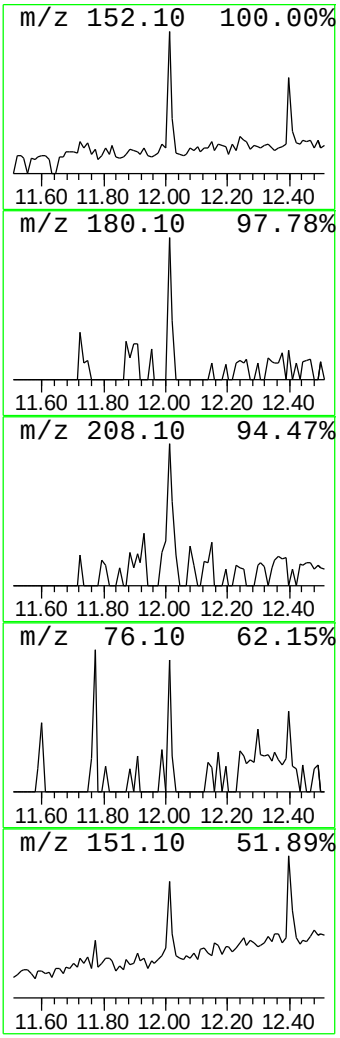
Peak Number 11 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	2.96 ng	73608	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	46





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Data File : BF089009.D
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Operator : UM/SJ
Sample : H3972-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LSS-SS-SS03(0-2in)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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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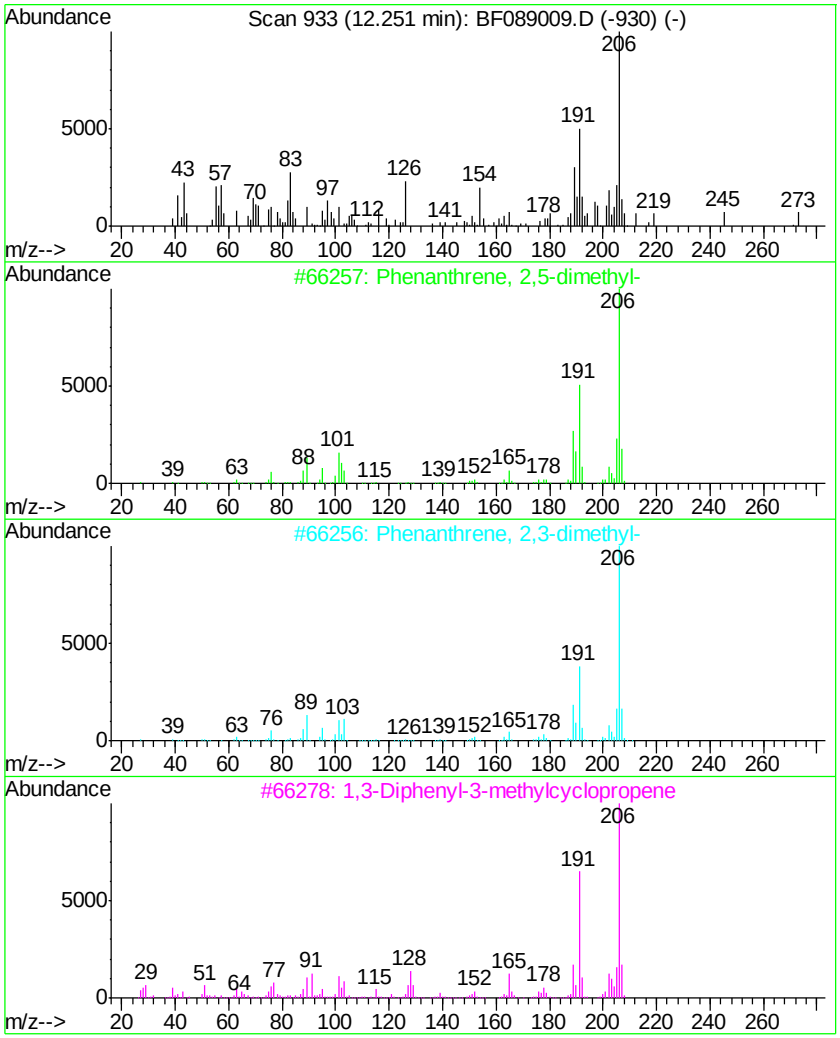
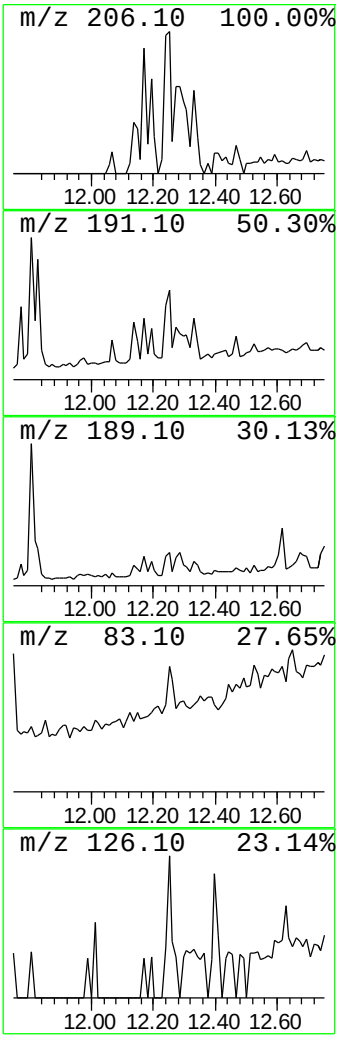
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	3.40 ng	84733	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	70
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	70
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	62
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	62
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	60





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
Data File : BF089009.D
Acq On : 15 Jul 2016 2:51
Operator : UM/SJ
Sample : H3972-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LSS-SS-SS03(0-2in)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

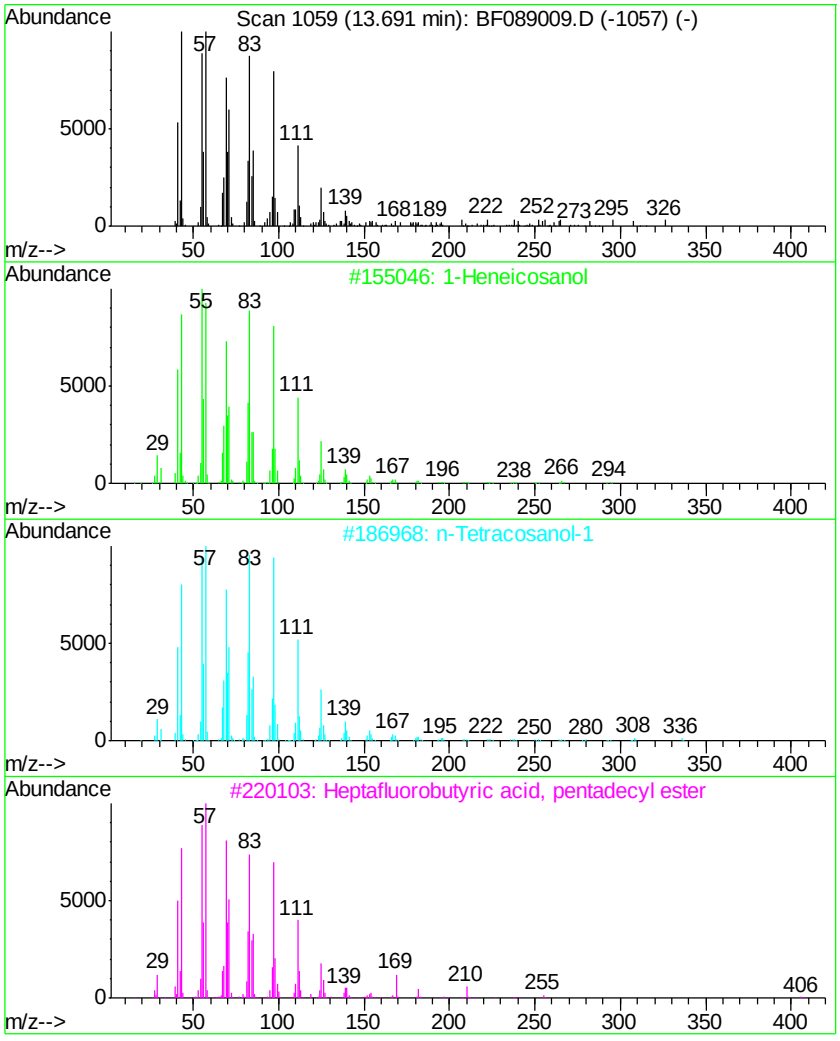
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

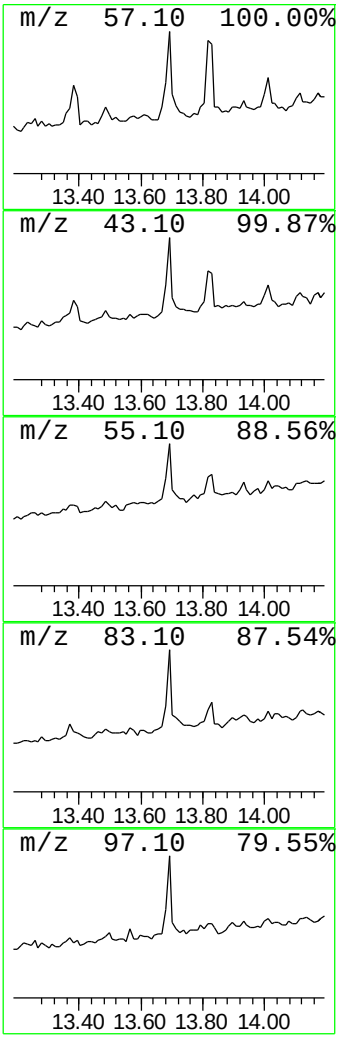
****

Peak Number 13 1-Heneicosanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	4.82 ng	149015	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	93
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	91
4	Cyclodocosane, ethyl-	336	C24H48	1000151-22-6	91
5	Behenic alcohol	326	C22H46O	000661-19-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071416\
Data File : BF089009.D
Acq On : 15 Jul 2016 2:51
Operator : UM/SJ
Sample : H3972-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LSS-SS-SS03(0-2in)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.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...	4.83	13.8	ng	202768	1	6.68	293175	20.0
unknown6.46	6.46	77.8	ng	1140190	1	6.68	293175	20.0
Phthalic anhydride	8.74	9.7	ng	189207	2	7.98	390368	20.0
Tridecane	11.09	2.4	ng	60261	4	11.20	497935	20.0
n-Heptadecanol-1	11.44	3.6	ng	88857	4	11.20	497935	20.0
Phenanthrene, 2-m...	11.69	3.6	ng	89188	4	11.20	497935	20.0
9,10-Anthracenedione	12.01	3.0	ng	73608	4	11.20	497935	20.0
Phenanthrene, 2,5...	12.25	3.4	ng	84733	4	11.20	497935	20.0
1-Heneicosanol	13.69	4.8	ng	149015	5	13.83	618910	20.0