LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087371.D
Acq On : 25 May 2016 14:29
Operator : UM/SJ
Sample : H3218-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(6.5-7)

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-BF052316.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	1.644	4	5	57	rVB	5022711	10083639	100.00%	26.668%
2	4.776	277	279	295	rBV	43204	143868	1.43%	0.380%
3	5.404	332	334	345	rBV	1055373	1994386	19.78%	5.274%
4	7.016	473	475	477	rBV	1192067	1604786	15.91%	4.244%
5	7.050	477	478	486	rVV	1574980	2575997	25.55%	6.813%
6	7.165	486	488	494	rVV	1618262	2430439	24.10%	6.428%
7	7.313	498	501	506	rVB	78851	114117	1.13%	0.302%
8	7.519	517	519	524	rBV	506910	707338	7.01%	1.871%
9	7.748	537	539	555	rVB	1025677	1762154	17.48%	4.660%
10	8.433	597	599	607	rBV	1234347	1802841	17.88%	4.768%
11	8.548	607	609	615	rVB	70987	103618	1.03%	0.274%
12	8.650	615	618	621	rBV	108260	171876	1.70%	0.455%
13	9.176	657	664	668	rBV4	40826	123925	1.23%	0.328%
14	9.553	694	697	699	rBV	686410	927216	9.20%	2.452%
15	9.633	702	704	712	rVB	111808	196491	1.95%	0.520%
16	10.616	787	790	794	rVB	163444	204182	2.02%	0.540%
17	10.936	815	818	826	rBV2	49026	137358	1.36%	0.363%
18	11.325	849	852	855	rBV	2134530	2525663	25.05%	6.680%
19	11.542	868	871	875	rVV	85037	133386	1.32%	0.353%
20	12.022	911	913	915	rBV	293848	376827	3.74%	0.997%
21	12.377	941	944	950	rBV	770669	1152888	11.43%	3.049%
22	13.222	1015	1018	1019	rBV	82824	126127	1.25%	0.334%
23	13.668	1054	1057	1063	rBV	878108	1462488	14.50%	3.868%
24	14.777	1151	1154	1156	rBV	755869	978055	9.70%	2.587%
25	14.823	1156	1158	1162	rVB	100141	179541	1.78%	0.475%
26	15.074	1178	1180	1187	rVB3	67428	159550	1.58%	0.422%
27	15.577	1222	1224	1226	rBV	118794	176389	1.75%	0.466%
28	15.611	1226	1227	1233	rVV	163138	257481	2.55%	0.681%
29	15.725	1236	1237	1239	rVV2	73793	118128	1.17%	0.312%
30	15.760	1239	1240	1244	rVB2	75722	116539	1.16%	0.308%
31	16.023	1258	1263	1268	rVB5	74970	190670	1.89%	0.504%
32	16.274	1283	1285	1287	rBV	116807	125341	1.24%	0.331%
33	16.377	1291	1294	1296	rBV	128111	173873	1.72%	0.460%
34	16.960	1342	1345	1347	rBV2	53647	103652	1.03%	0.274%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087371.D
Acq On : 25 May 2016 14:29
Operator : UM/SJ
Sample : H3218-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(6.5-7)

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-BF052316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.120	1357	1359	1362	rVV	1500223	1808462	17.93%	4.783%
36	17.223	1364	1368	1370	rBV	56515	112511	1.12%	0.298%
37	17.920	1424	1429	1431	rBV2	95379	235834	2.34%	0.624%
38	18.046	1437	1440	1443	rVB	51491	102035	1.01%	0.270%
39	18.411	1467	1472	1474	rBV2	77799	212171	2.10%	0.561%
40	18.469	1474	1477	1479	rVV	686851	914347	9.07%	2.418%
41	18.514	1479	1481	1484	rVV2	100970	221173	2.19%	0.585%
42	18.983	1516	1522	1524	rBV	86786	176958	1.75%	0.468%
43	20.137	1621	1623	1628	rVV	434952	587550	5.83%	1.554%

Sum of corrected areas: 37811870

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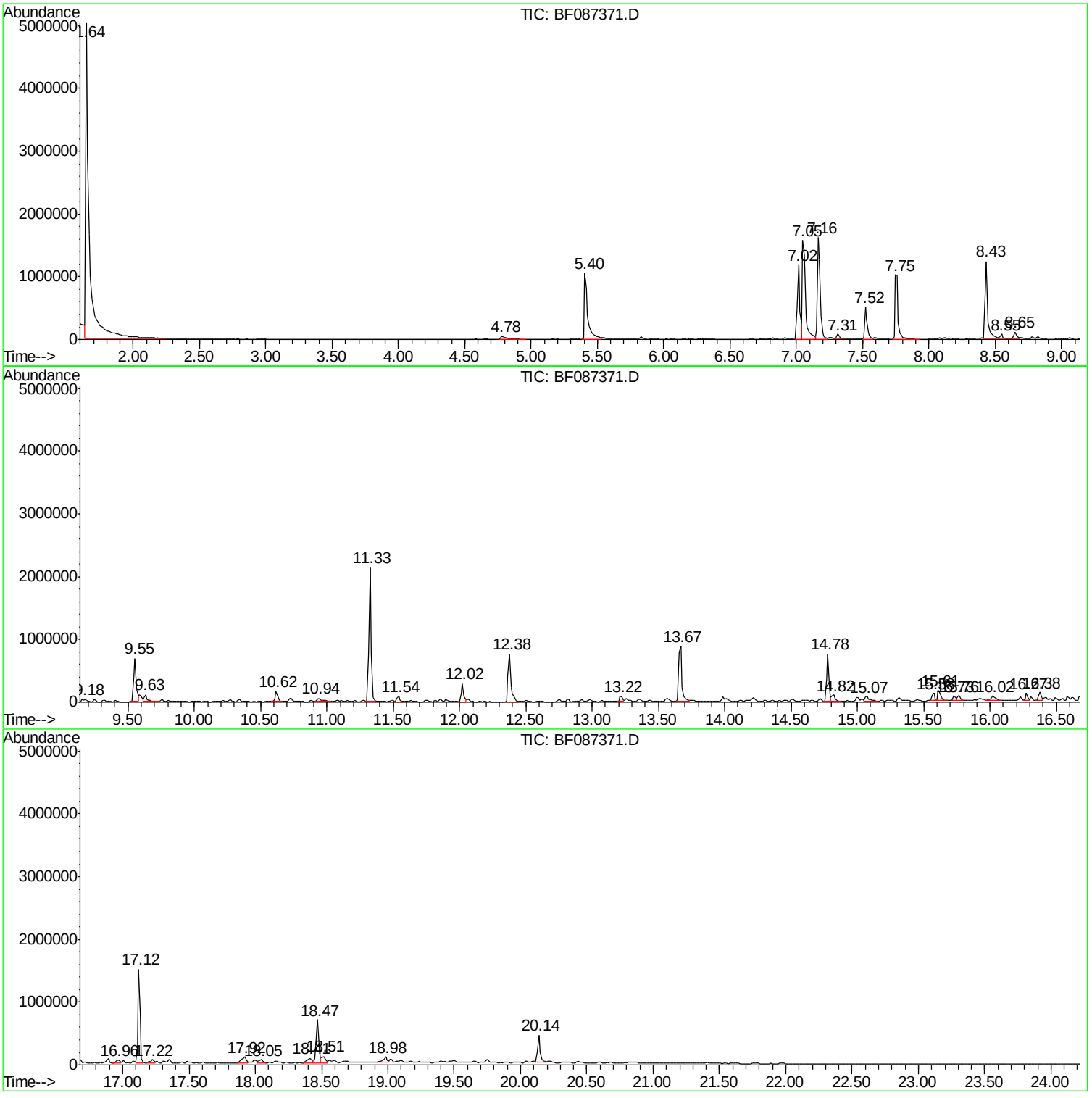
Instrument :
BNA_F
ClientSampleId :
E-3(6.5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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\BF052516\
Data File : BF087371.D
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Operator : UM/SJ
Sample : H3218-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(6.5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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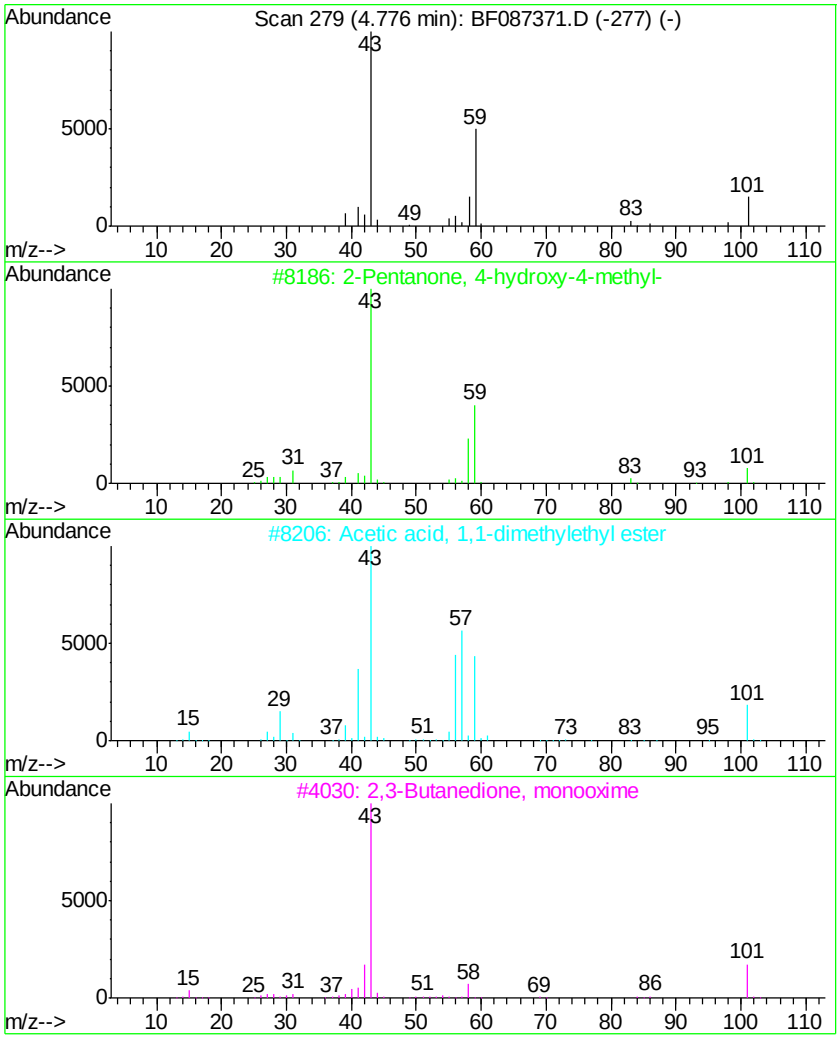
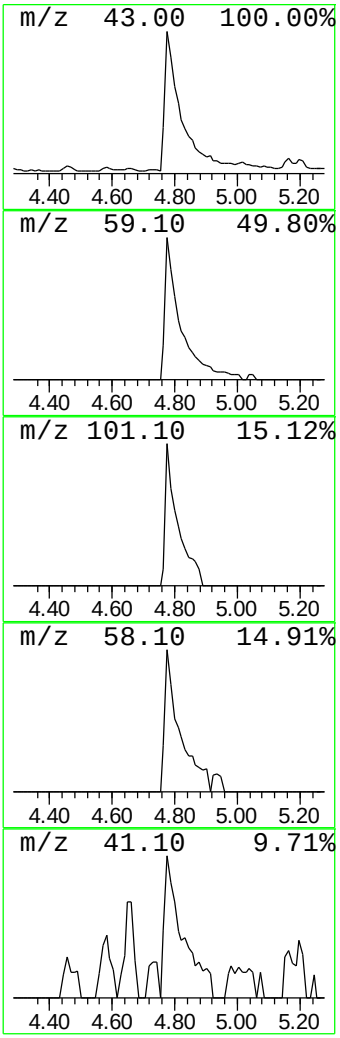
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.78	4.07 ng	143868	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	2-Propyn-1-ol, acetate	98	C5H6O2	000627-09-8	9
5	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087371.D
Acq On : 25 May 2016 14:29
Operator : UM/SJ
Sample : H3218-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(6.5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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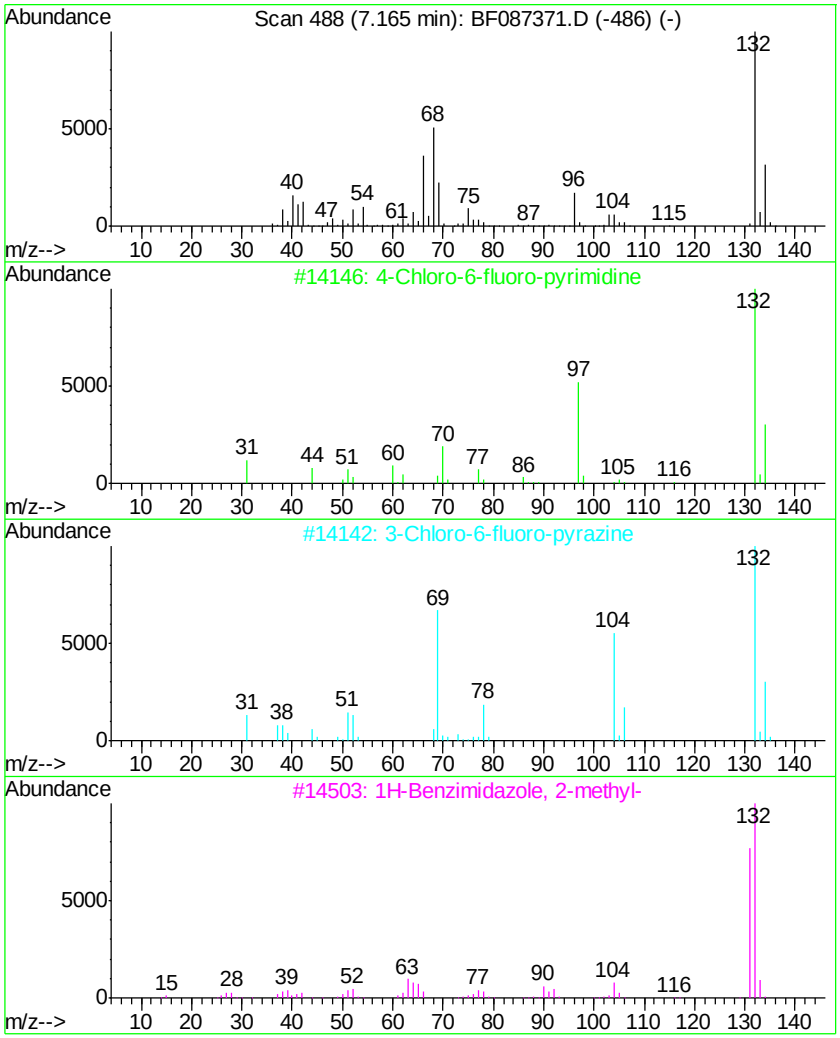
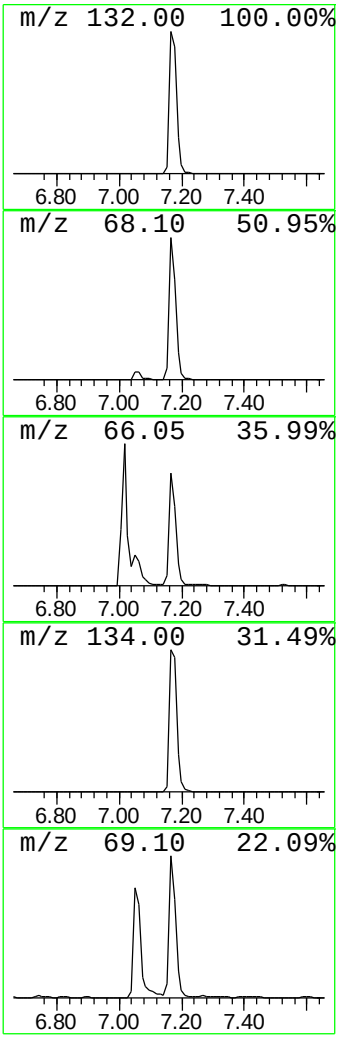
Peak Number 3 unknown7.16 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	68.72 ng	2430440	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
5	1H-Indazole, 4-methyl-	132	C8H8N2	1000316-00-9	12





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087371.D
Acq On : 25 May 2016 14:29
Operator : UM/SJ
Sample : H3218-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(6.5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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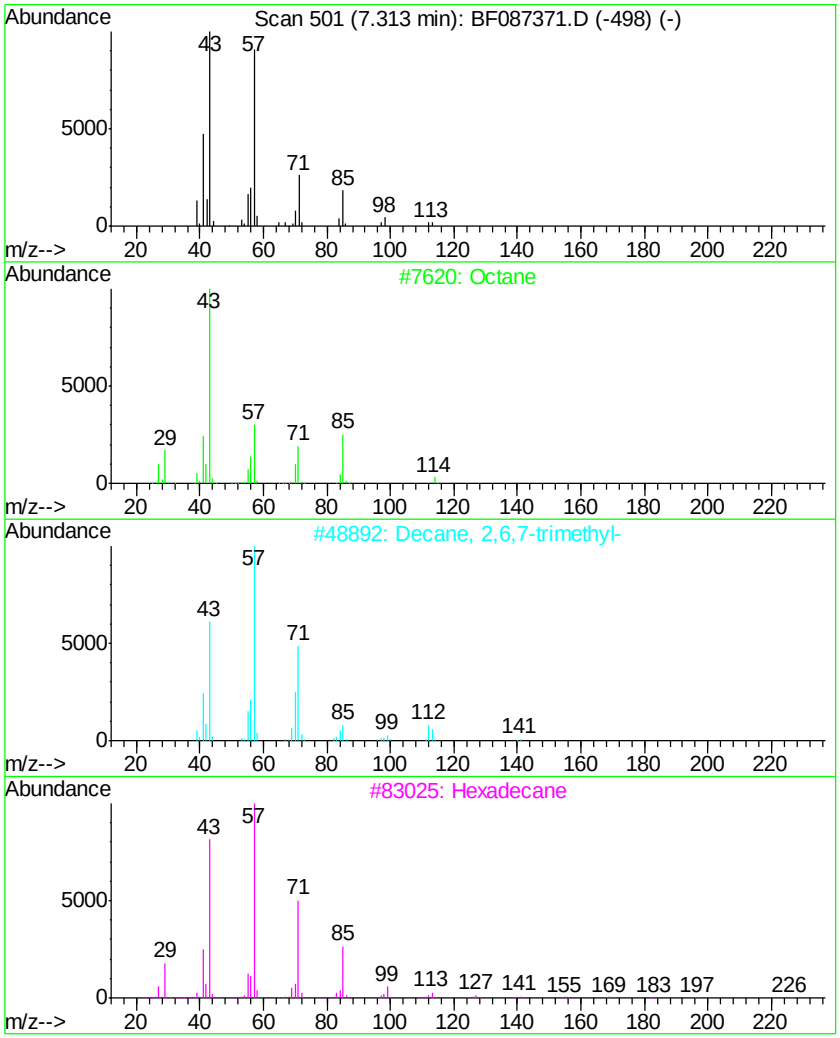
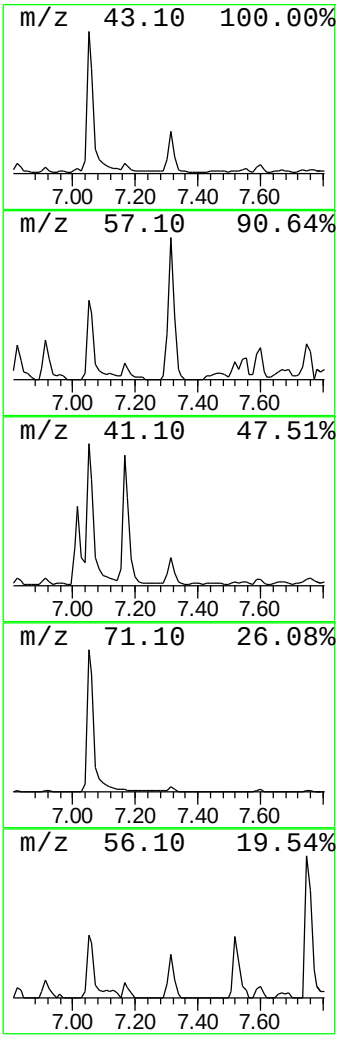
Peak Number 4 Octane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.31	3.23 ng	114117	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	64
2	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	64
3	Hexadecane	226	C16H34	000544-76-3	59
4	Decane	142	C10H22	000124-18-5	53
5	Oxalic acid, isobutyl octyl ester	258	C14H26O4	1000309-37-3	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087371.D
Acq On : 25 May 2016 14:29
Operator : UM/SJ
Sample : H3218-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(6.5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

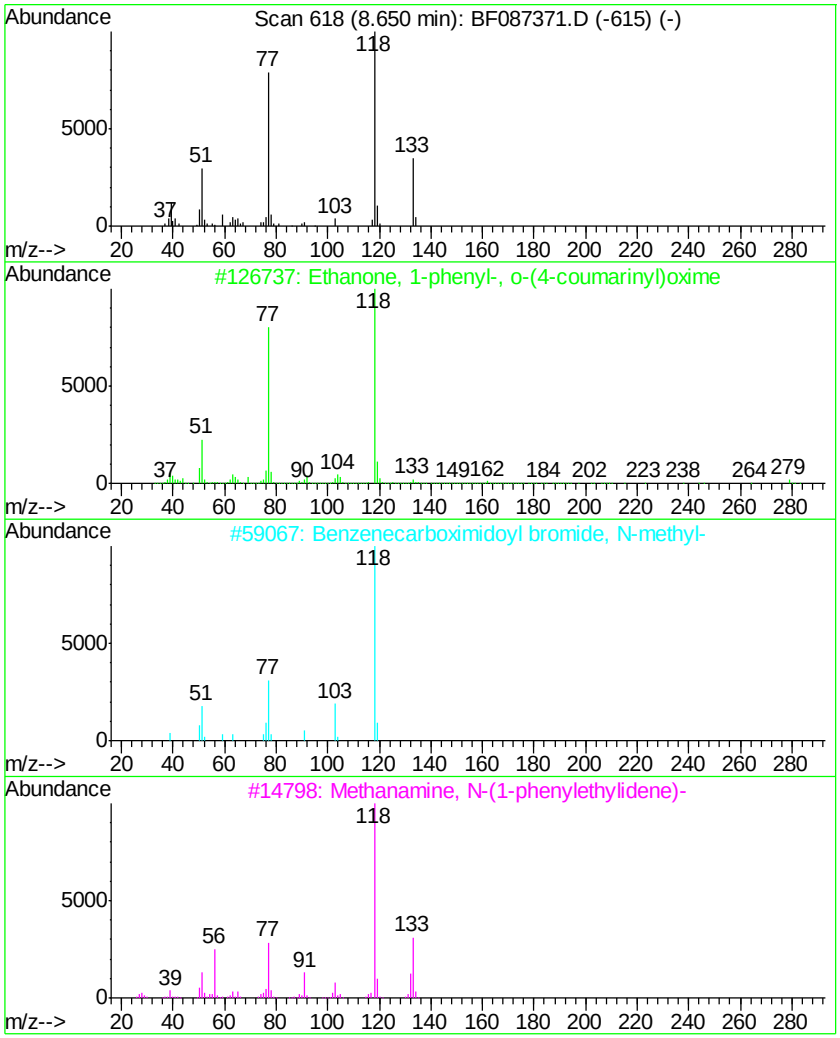
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

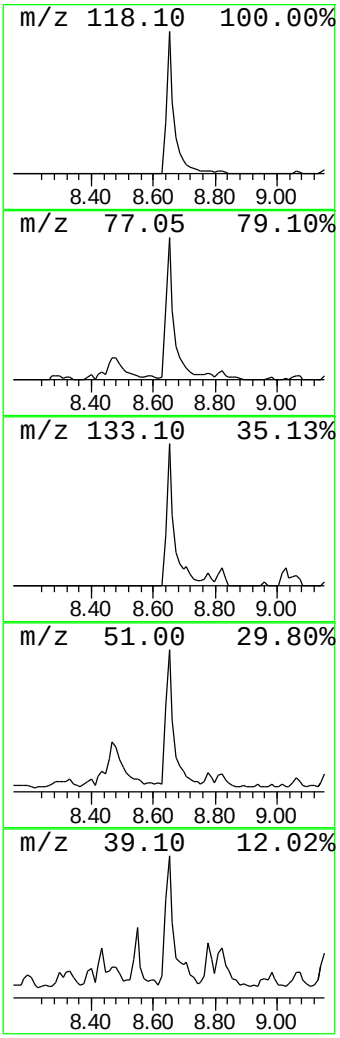
****

Peak Number 6 Ethanone, 1-phenyl-, o-(4-c... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	3.71 ng	171876	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-phenyl-, o-(4-coumar...	279	C17H13NO3	034605-11-3	64
2	Benzenecarboximidoyl bromide, N-...	197	C8H8BrN	041182-85-8	40
3	Methanamine, N-(1-phenylethylide...	133	C9H11N	006907-71-7	40
4	2-Methylindoline	133	C9H11N	006872-06-6	38
5	Cyanic acid, phenyl ester	119	C7H5NO	001122-85-6	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087371.D
Acq On : 25 May 2016 14:29
Operator : UM/SJ
Sample : H3218-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(6.5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

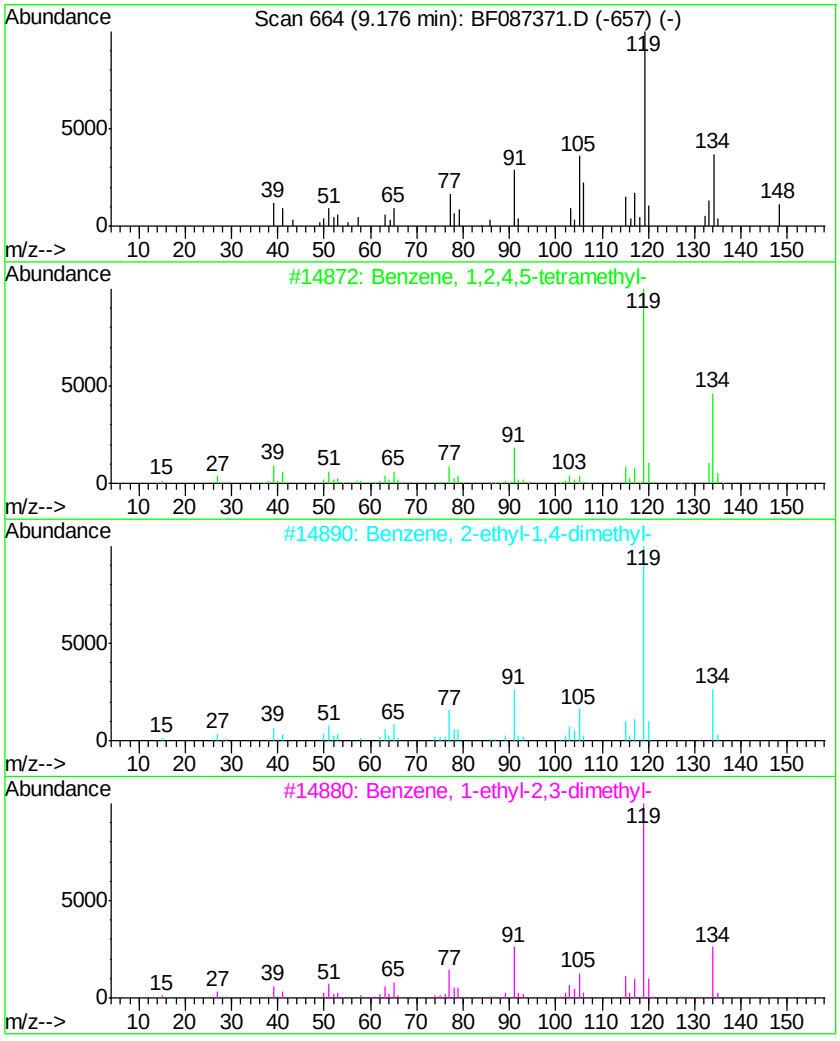
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

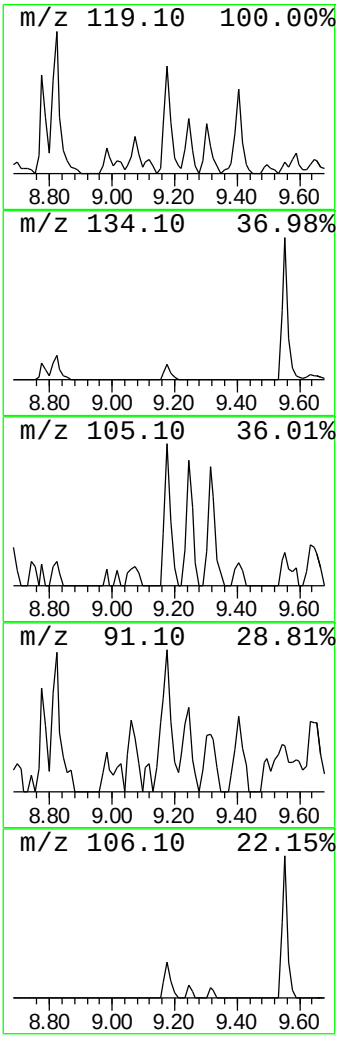
****

Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	2.67 ng	123925	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	76
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76
4	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	74
5	p-Cymene	134	C10H14	000099-87-6	70





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087371.D
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Operator : UM/SJ
Sample : H3218-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(6.5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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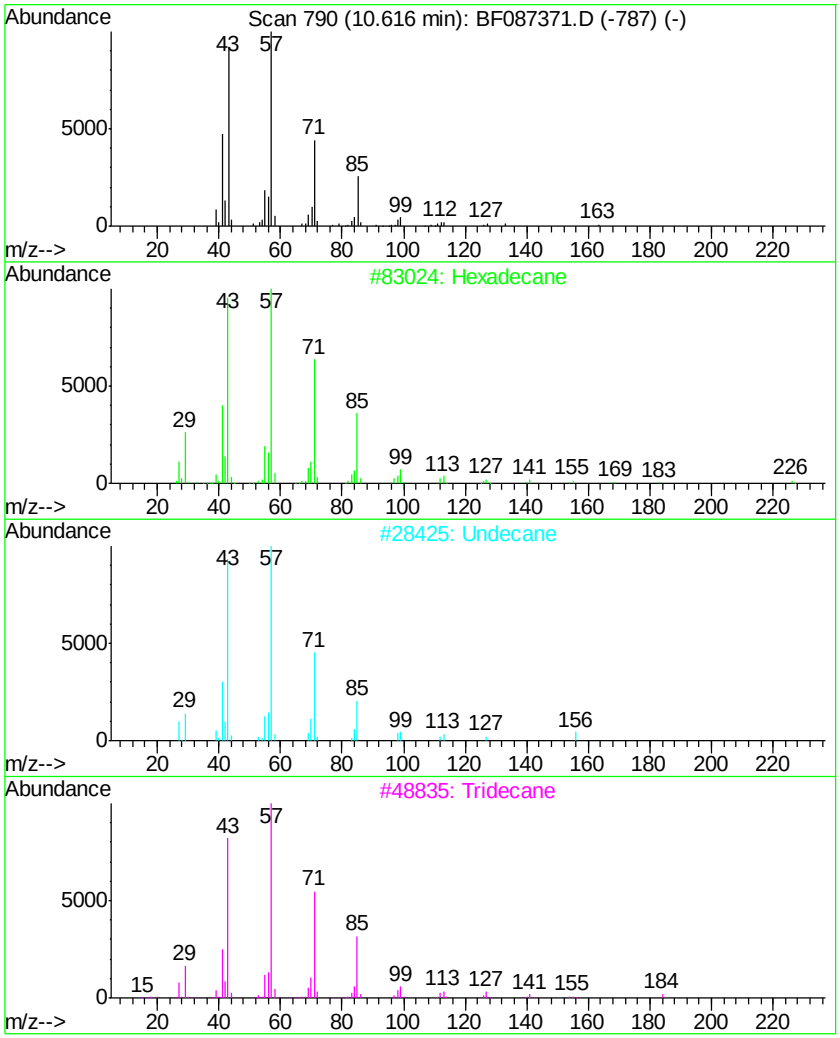
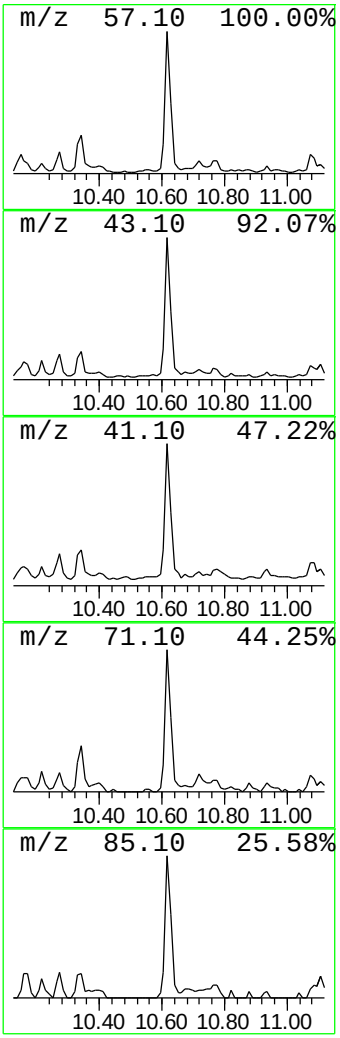
Peak Number 8 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	4.40 ng	204182	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	80
2	Undecane	156	C11H24	001120-21-4	78
3	Tridecane	184	C13H28	000629-50-5	78
4	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	78
5	Tetradecane	198	C14H30	000629-59-4	72





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Data File : BF087371.D
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Operator : UM/SJ
Sample : H3218-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(6.5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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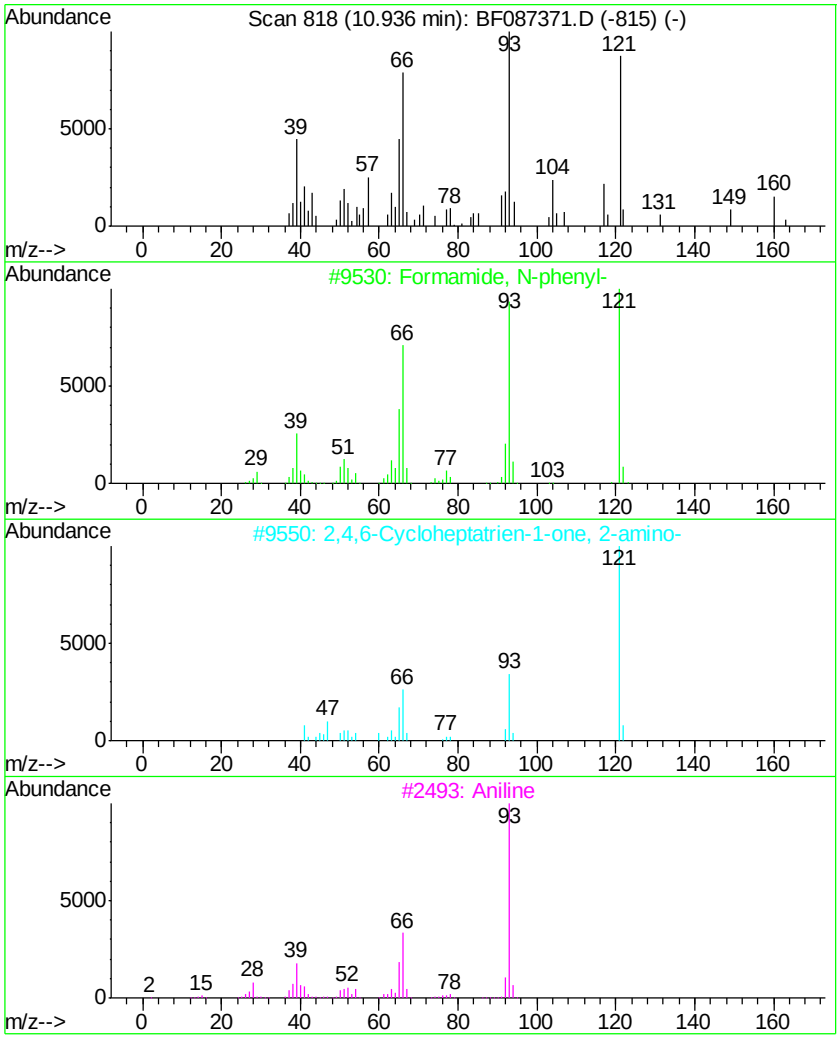
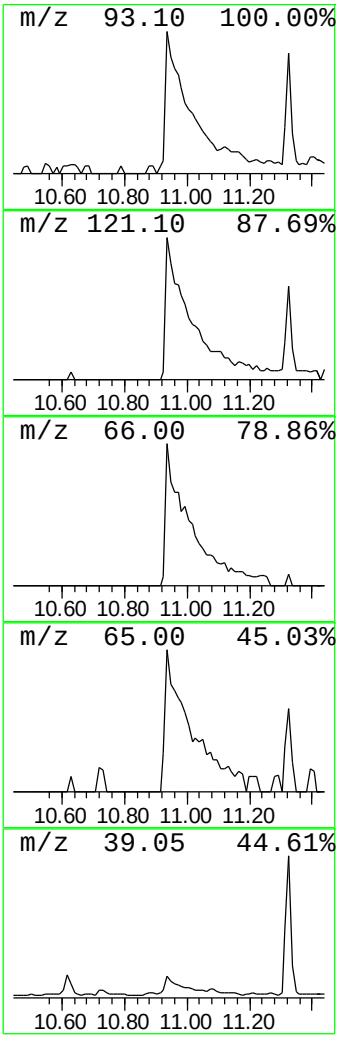
Peak Number 9 Formamide, N-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	2.96 ng	137358	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formamide, N-phenyl-	121	C7H7NO	000103-70-8	94
2	2,4,6-Cycloheptatrien-1-one, 2-a...	121	C7H7NO	006264-93-3	93
3	Aniline	93	C6H7N	000062-53-3	81
4	Pyridine, 4-methyl-	93	C6H7N	000108-89-4	81
5	Pyridine, 3-methyl-	93	C6H7N	000108-99-6	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087371.D
Acq On : 25 May 2016 14:29
Operator : UM/SJ
Sample : H3218-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(6.5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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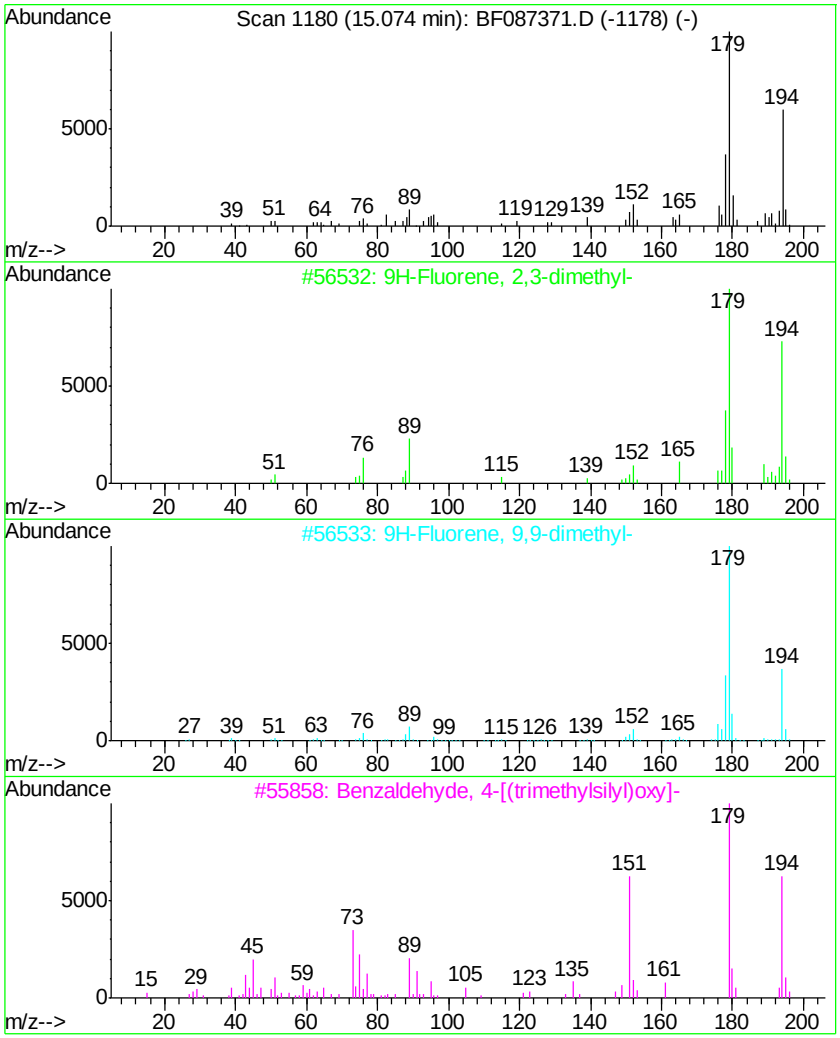
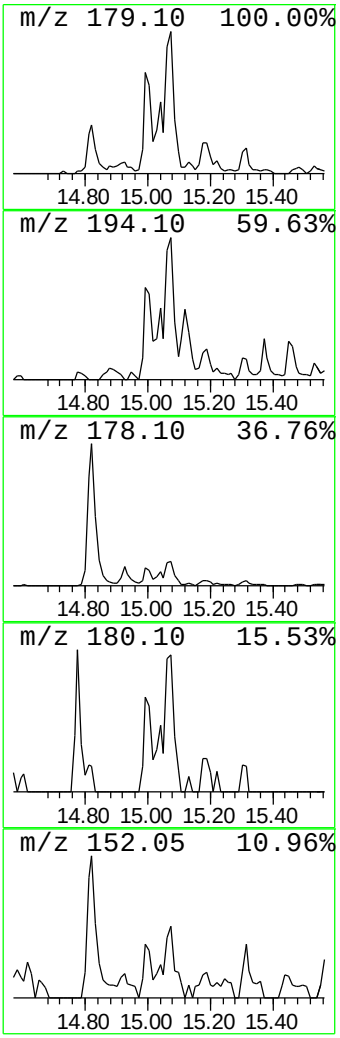
Peak Number 10 9H-Fluorene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	3.26 ng	159550	Phenanthrene-d10	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	91
2	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	87
3	Benzaldehyde, 4-[(trimethylsilyl...	194	C10H14O2Si	001012-12-0	72
4	Anthracene, 9,10-dihydro-2-methyl-	194	C15H14	000948-67-4	64
5	9H-Fluorene, 1,9-dimethyl-	194	C15H14	017057-98-6	64





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Misc :
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Instrument : BNA_F
ClientSampleId : E-3(6.5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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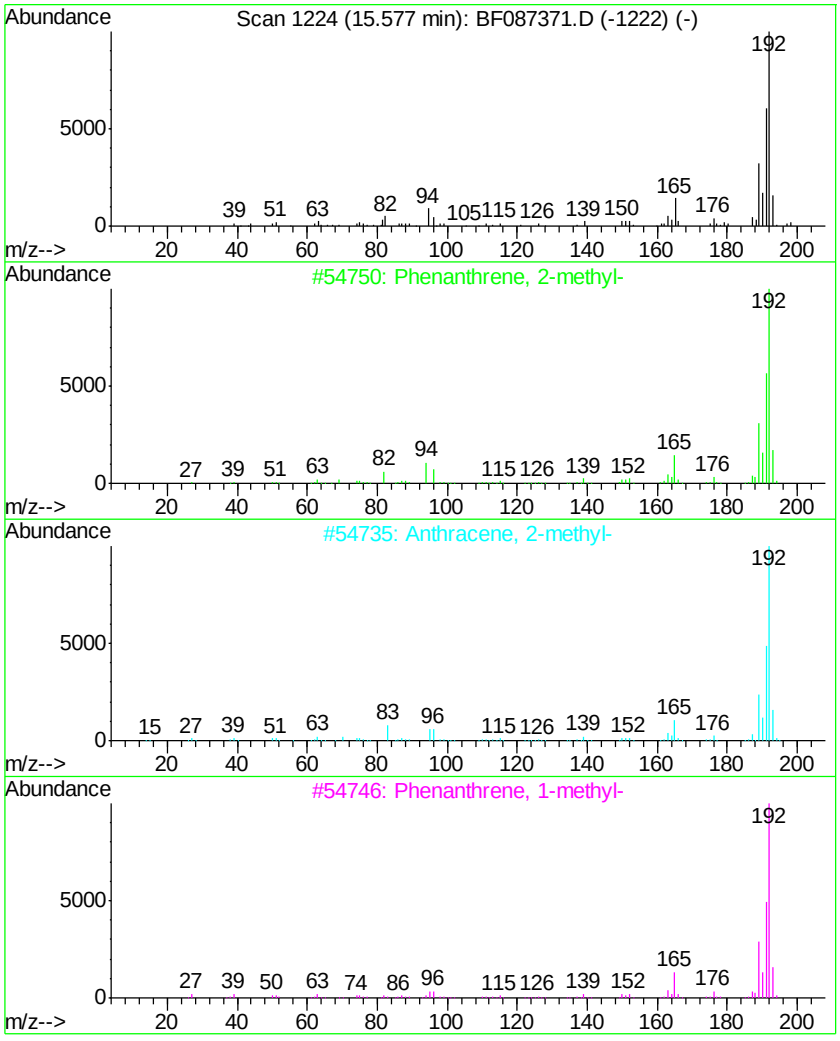
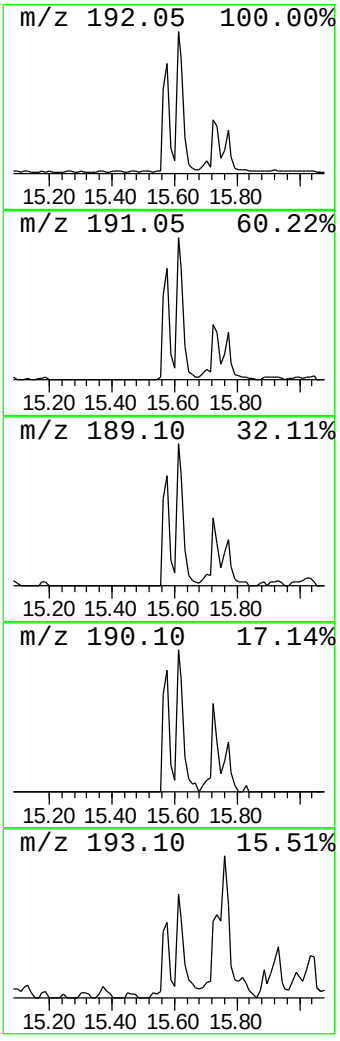
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	3.61 ng	176389	Phenanthrene-d10	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Data File : BF087371.D
Acq On : 25 May 2016 14:29
Operator : UM/SJ
Sample : H3218-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(6.5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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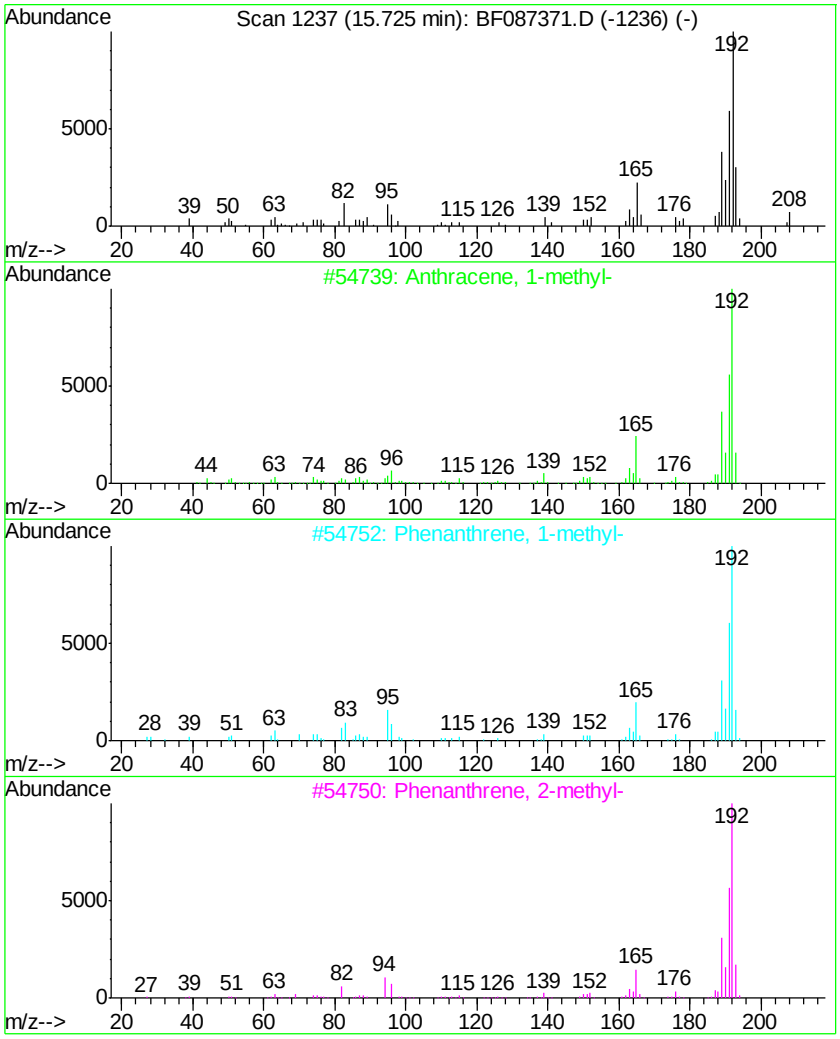
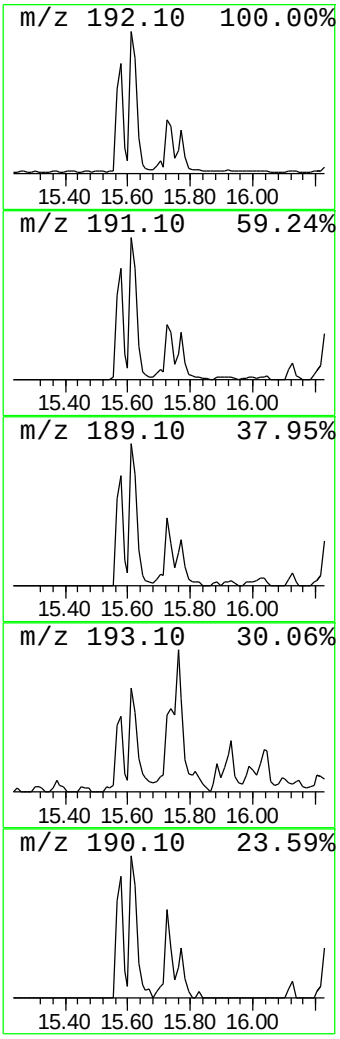
Peak Number 13 Anthracene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	2.42 ng	118128	Phenanthrene-d10	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	76
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	76





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Sample : H3218-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(6.5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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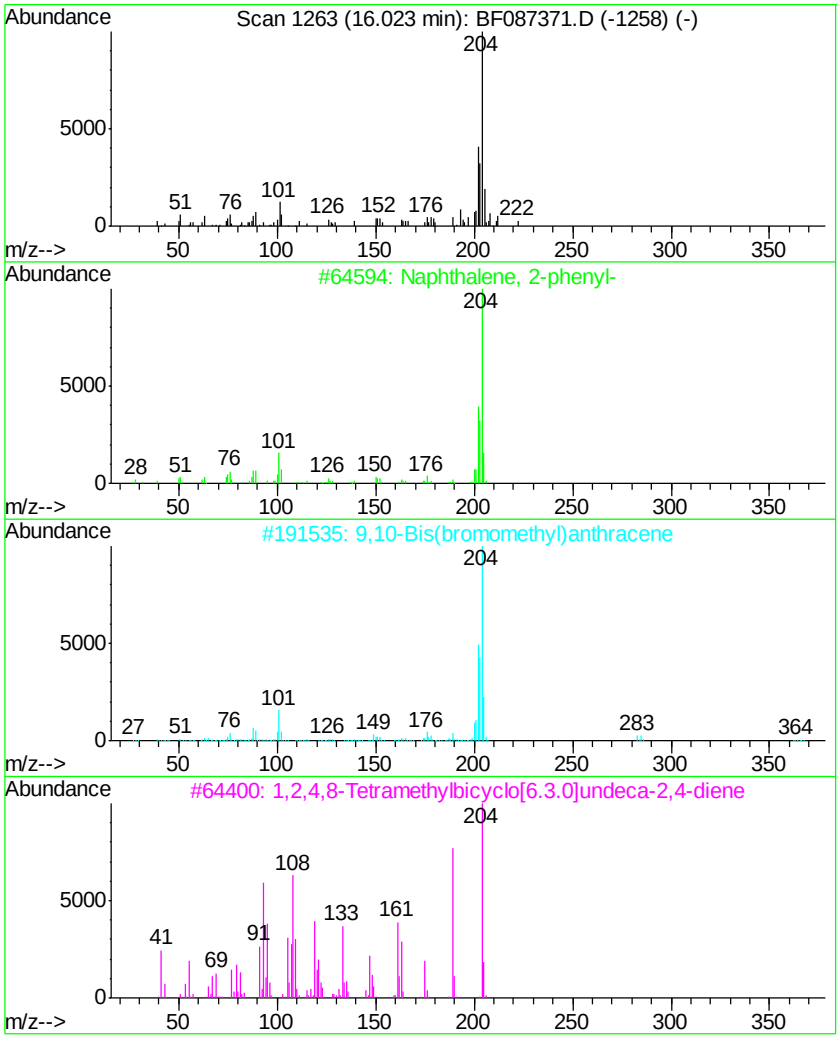
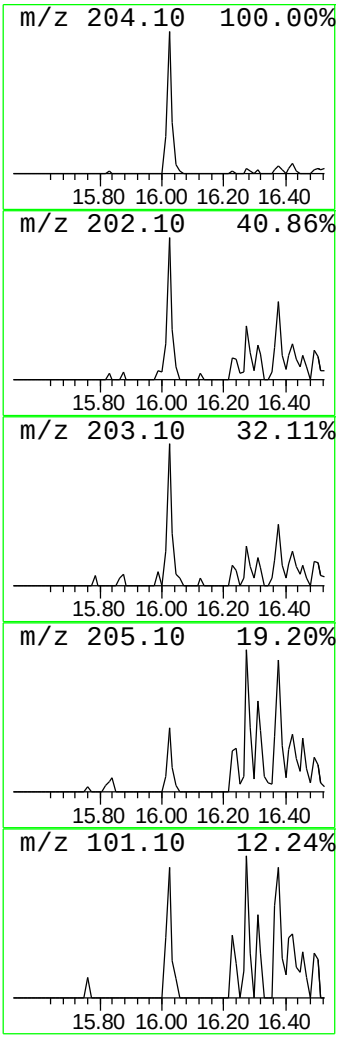
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	3.90 ng	190670	Phenanthrene-d10	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	90
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80





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Operator : UM/SJ
Sample : H3218-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(6.5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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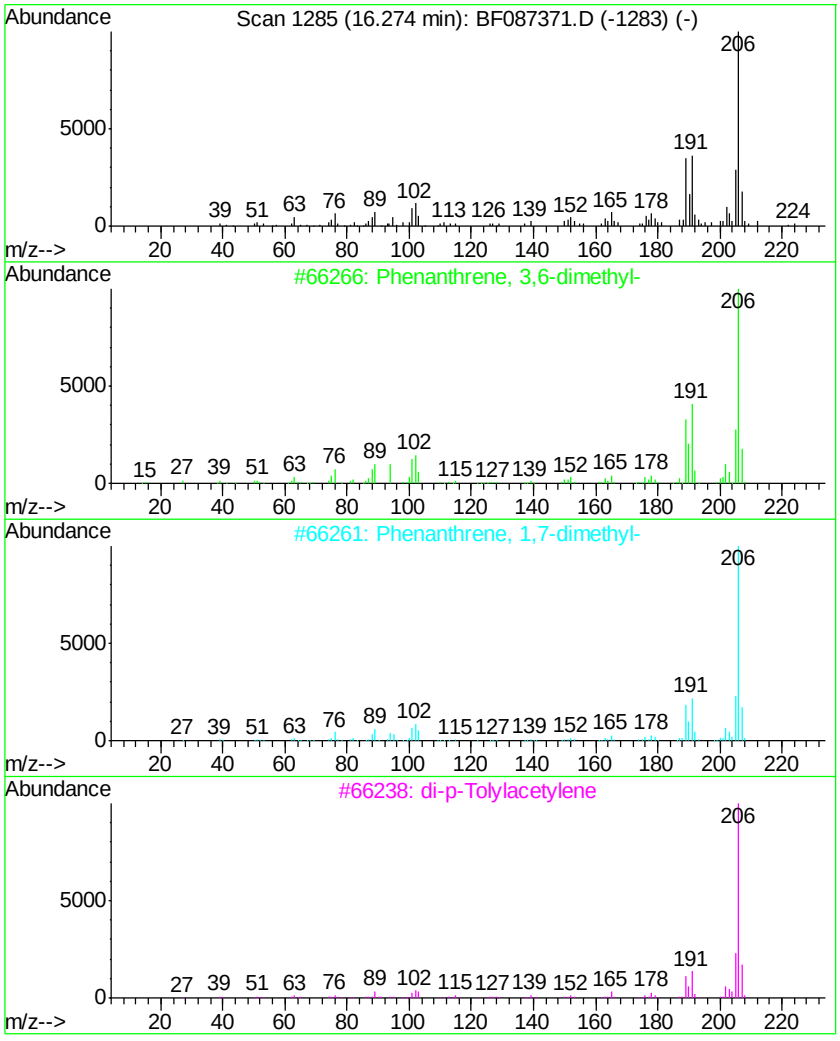
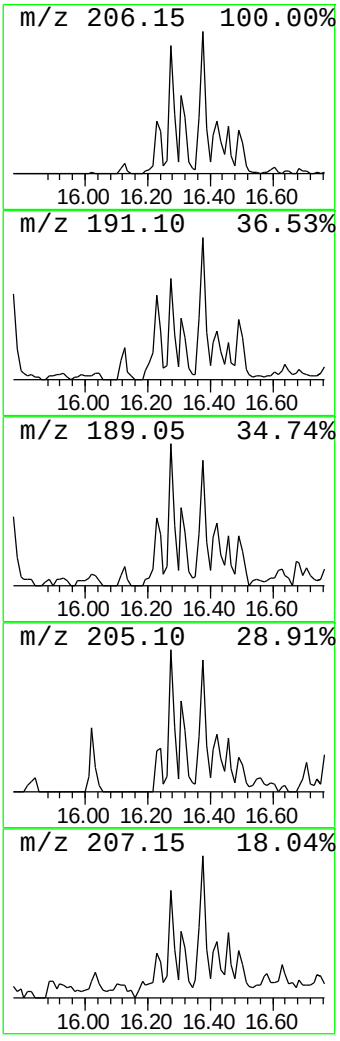
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	2.56 ng	125341	Phenanthrene-d10	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Operator : UM/SJ
Sample : H3218-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(6.5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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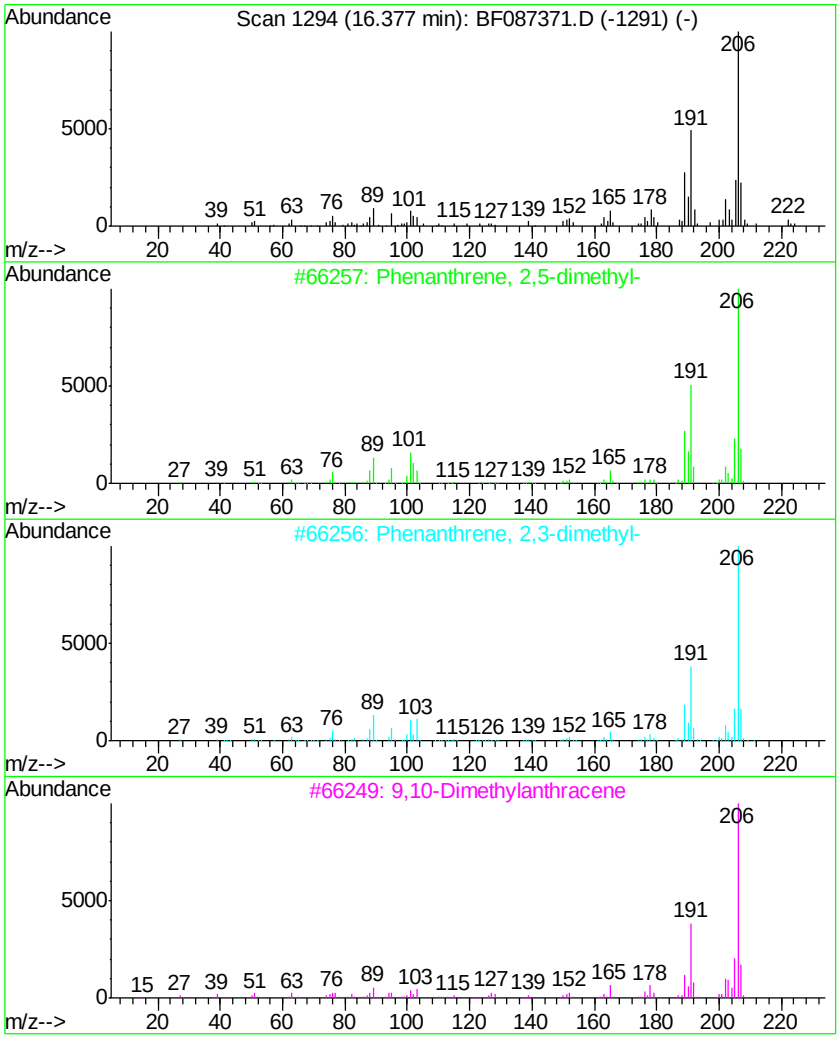
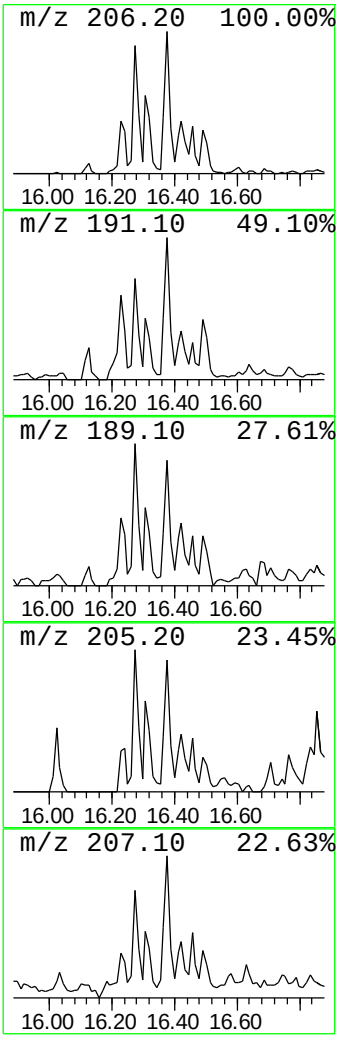
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	3.56 ng	173873	Phenanthrene-d10	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89





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Acq On : 25 May 2016 14:29
Operator : UM/SJ
Sample : H3218-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(6.5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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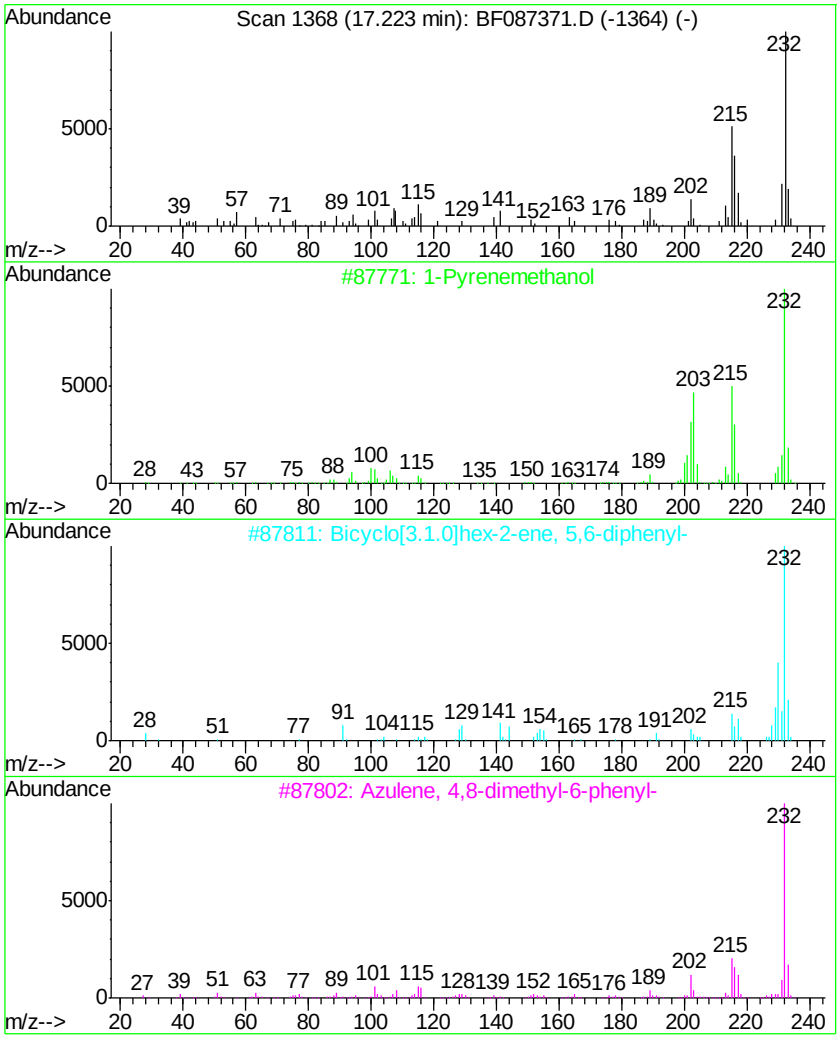
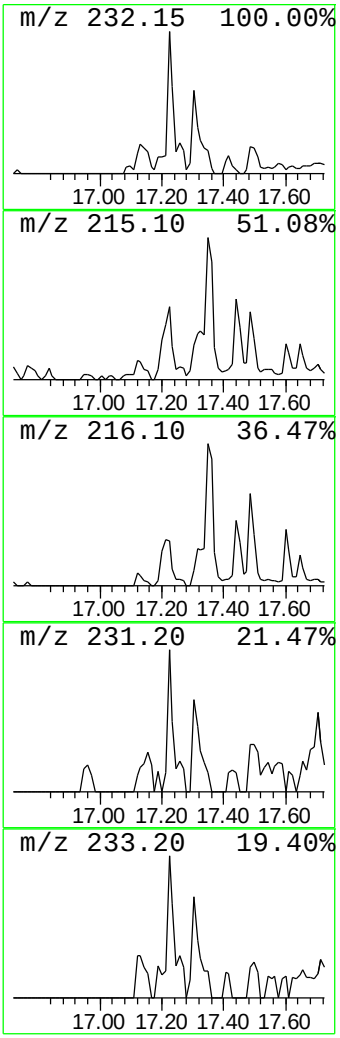
Peak Number 17 1-Pyrenemethanol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	2.46 ng	112511	Chrysene-d12	18.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pyrenemethanol	232	C17H12O	024463-15-8	91
2	Bicyclo[3.1.0]hex-2-ene, 5,6-dip...	232	C18H16	056143-24-9	59
3	Azulene, 4,8-dimethyl-6-phenyl-	232	C18H16	042758-88-3	58
4	1,3-dimethyl-2-phenyl-naphthalene	232	C18H16	1000379-93-4	58
5	1-benzyl-3-methylnaphthalene	232	C18H16	1000379-93-5	56





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Acq On : 25 May 2016 14:29
Operator : UM/SJ
Sample : H3218-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(6.5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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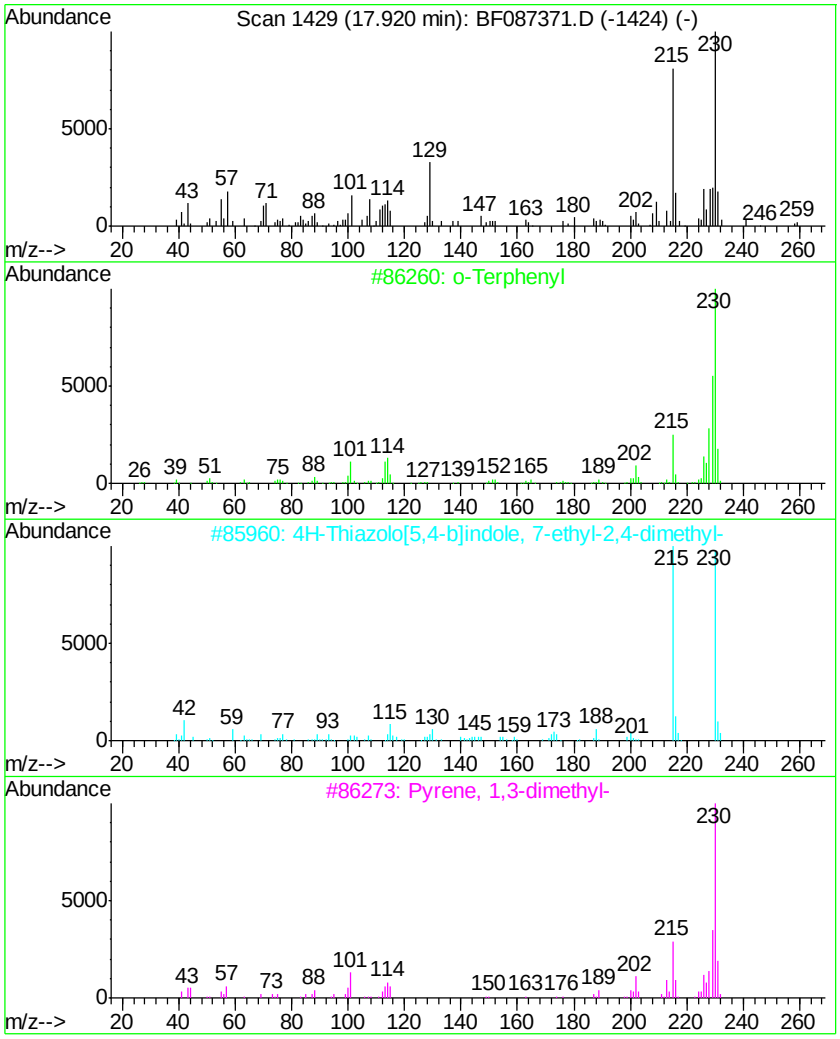
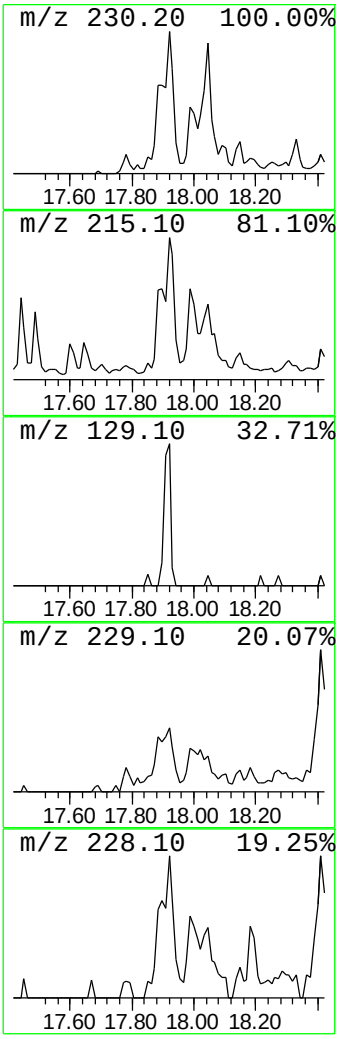
Peak Number 18 o-Terphenyl Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	5.16 ng	235834	Chrysene-d12	18.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Terphenyl	230	C18H14	000084-15-1	64
2	4H-Thiazolo[5,4-b]indole, 7-ethy...	230	C13H14N2S	1000304-41-6	52
3	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	50
4	6,6-Diphenylfulvene	230	C18H14	002175-90-8	49
5	Benzo[g]pteridine, 2,4-diamino-6...	230	C11H14N6	063630-26-2	43





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Operator : UM/SJ
Sample : H3218-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(6.5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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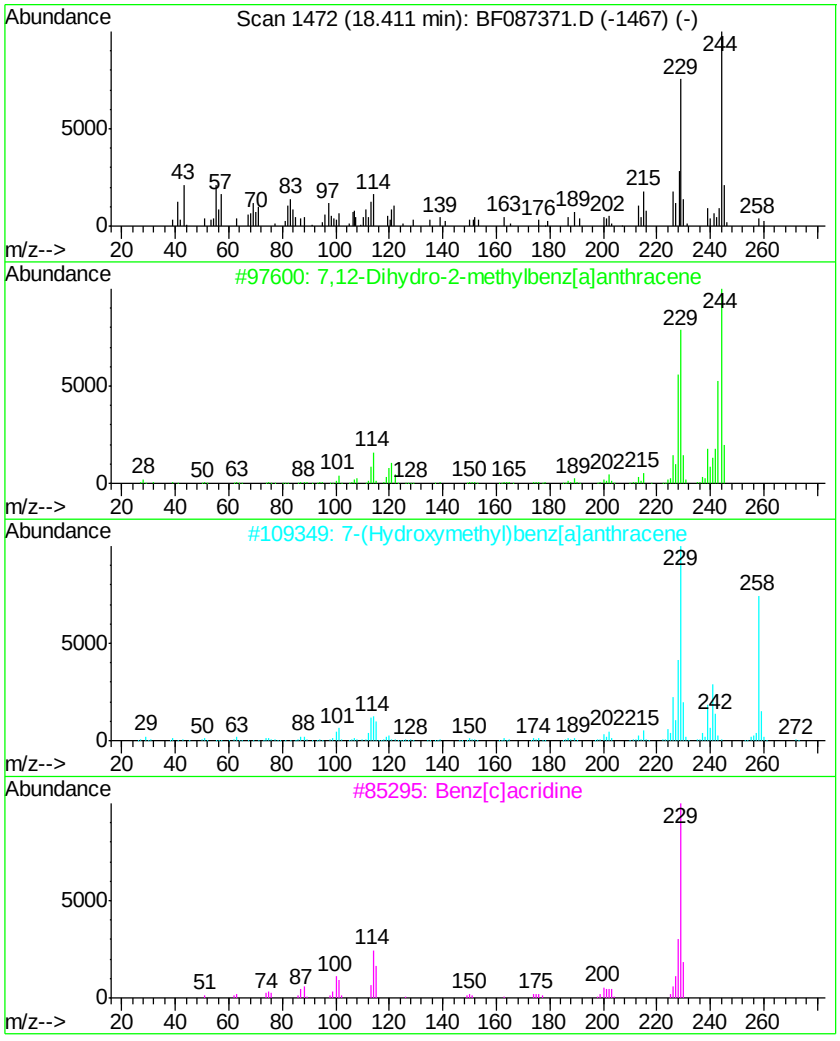
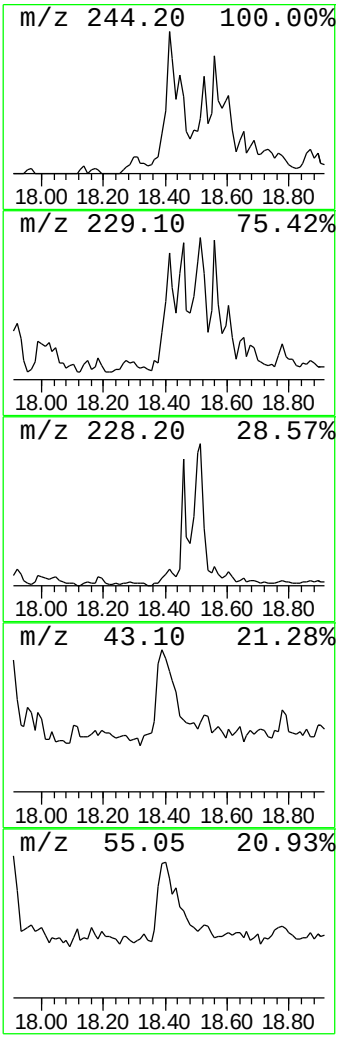
Peak Number 19 7,12-Dihydro-2-methylbenz[a... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	4.64 ng	212171	Chrysene-d12	18.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dihydro-2-methylbenz[a]anth...	244	C19H16	035187-44-1	81
2	7-(Hydroxymethyl)benz[a]anthracene	258	C19H14O	1000326-13-2	70
3	Benz[c]acridine	229	C17H11N	000225-51-4	60
4	4-Benzylbiphenyl	244	C19H16	000613-42-3	60
5	6-Acetyl-5-hydroxy-2,7-dimethyl-...	244	C14H12O4	001086-07-3	59





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Sample : H3218-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-3(6.5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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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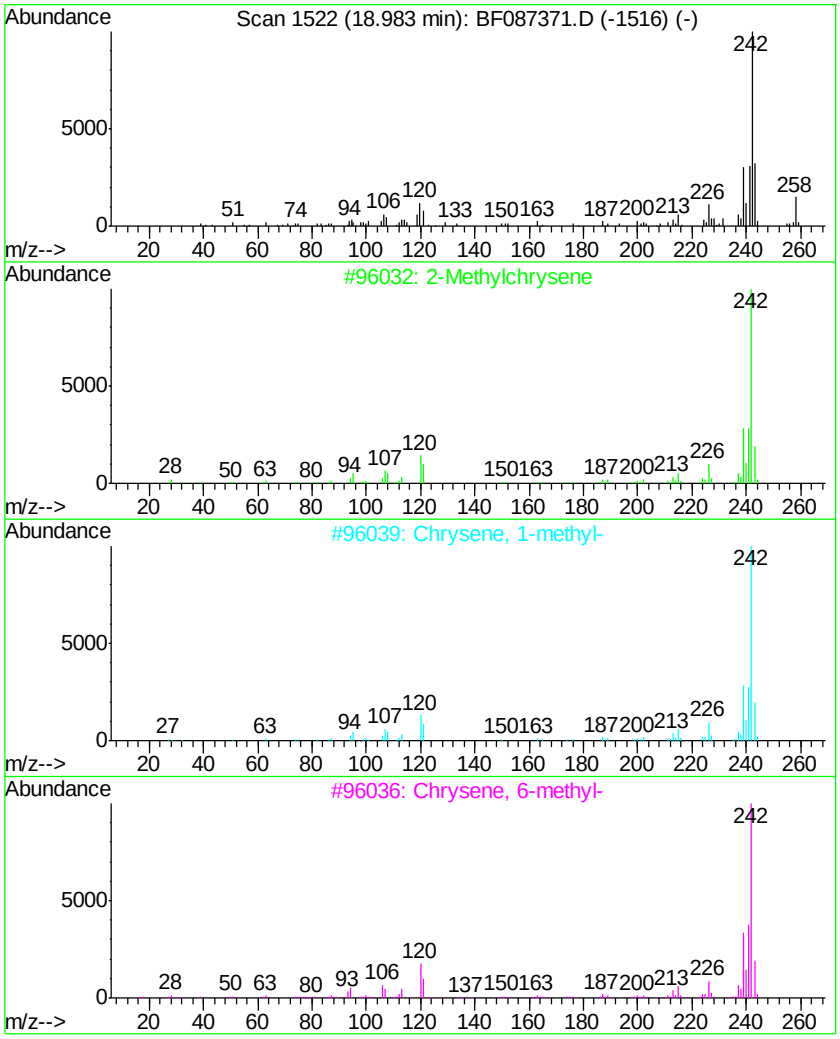
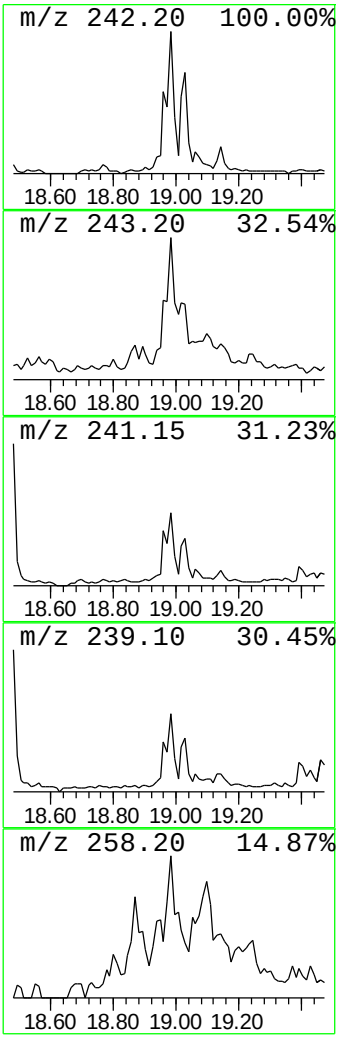
Peak Number 20 2-Methylchrysene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	3.87 ng	176958	Chrysene-d12	18.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylchrysene	242	C19H14	003351-32-4	93
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	93
4	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	92
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90





Tentatively Identified Compound (LSC) summary

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Acq On : 25 May 2016 14:29
Operator : UM/SJ
Sample : H3218-01
Misc :
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Instrument : BNA_F
ClientSampleId : E-3(6.5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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...	4.78	4.1	ng	143868	1	7.52	707338	20.0
unknown7.16	7.16	68.7	ng	2430440	1	7.52	707338	20.0
Octane	7.31	3.2	ng	114117	1	7.52	707338	20.0
Ethanone, 1-pheny...	8.65	3.7	ng	171876	2	9.55	927216	20.0
Benzene, 1,2,4,5-...	9.18	2.7	ng	123925	2	9.55	927216	20.0
Hexadecane	10.62	4.4	ng	204182	2	9.55	927216	20.0
Formamide, N-phenyl-	10.94	3.0	ng	137358	2	9.55	927216	20.0
9H-Fluorene, 2,3-...	15.07	3.3	ng	159550	4	14.78	978055	20.0
Phenanthrene, 2-m...	15.58	3.6	ng	176389	4	14.78	978055	20.0
Anthracene, 1-met...	15.73	2.4	ng	118128	4	14.78	978055	20.0
Naphthalene, 2-ph...	16.02	3.9	ng	190670	4	14.78	978055	20.0
Phenanthrene, 3,6...	16.27	2.6	ng	125341	4	14.78	978055	20.0
Phenanthrene, 2,5...	16.38	3.6	ng	173873	4	14.78	978055	20.0
1-Pyrenemethanol	17.22	2.5	ng	112511	5	18.47	914347	20.0
o-Terphenyl	17.92	5.2	ng	235834	5	18.47	914347	20.0
7,12-Dihydro-2-me...	18.41	4.6	ng	212171	5	18.47	914347	20.0
2-Methylchrysene	18.98	3.9	ng	176958	5	18.47	914347	20.0