LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087540.D
Acq On : 30 May 2016 7:24
Operator : UM/SJ
Sample : H3303-03
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

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	1.633	3	4	29	rVB	2690598	5049289	52.86%	3.647%
2	1.987	31	35	39	rVB	55598	133036	1.39%	0.096%
3	2.753	95	102	108	rBV2	117077	347333	3.64%	0.251%
4	2.924	111	117	127	rVB	93309	293999	3.08%	0.212%
5	3.118	127	134	137	rBV	164813	419372	4.39%	0.303%
6	3.187	137	140	147	rVB	80709	201360	2.11%	0.145%
7	3.324	147	152	158	rBV2	36112	134615	1.41%	0.097%
8	3.439	158	162	167	rVB	38030	113636	1.19%	0.082%
9	3.656	174	181	191	rBV2	486702	1355048	14.19%	0.979%
10	3.816	191	195	201	rVB	96335	242405	2.54%	0.175%
11	4.181	224	227	235	rBV	84266	249186	2.61%	0.180%
12	4.364	240	243	247	rBV	364407	822202	8.61%	0.594%
13	4.444	247	250	251	rVV	73832	135573	1.42%	0.098%
14	4.490	251	254	258	rVV	665643	1389545	14.55%	1.004%
15	4.570	258	261	264	rVB	508669	861831	9.02%	0.622%
16	4.639	264	267	268	rBV	90510	145258	1.52%	0.105%
17	4.673	268	270	278	rVB	350315	917015	9.60%	0.662%
18	4.799	278	281	287	rVB2	114988	302862	3.17%	0.219%
19	4.902	287	290	291	rBV	388630	622863	6.52%	0.450%
20	4.936	291	293	296	rVB	265695	417062	4.37%	0.301%
21	5.039	301	302	304	rBV	158942	201367	2.11%	0.145%
22	5.084	304	306	308	rBV	483778	784396	8.21%	0.567%
23	5.130	308	310	312	rVB	467246	697116	7.30%	0.504%
24	5.244	315	320	326	rVB2	1075584	2373275	24.84%	1.714%
25	5.347	326	329	330	rBV	247421	403360	4.22%	0.291%
26	5.370	330	331	337	rVB	675431	1213571	12.70%	0.877%
27	5.473	337	340	344	rBV3	349024	843261	8.83%	0.609%
28	5.553	344	347	350	rVB	750608	1189676	12.45%	0.859%
29	5.622	350	353	361	rVB	1095128	2188420	22.91%	1.581%
30	5.770	362	366	371	rBV	2653671	5196393	54.40%	3.753%
31	5.884	371	376	380	rVB3	750225	1757402	18.40%	1.269%
32	5.953	380	382	384	rVB	194279	262630	2.75%	0.190%
33	6.022	384	388	392	rBV2	281253	883302	9.25%	0.638%
34	6.090	392	394	397	rBV3	588492	1272447	13.32%	0.919%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087540.D
Acq On : 30 May 2016 7:24
Operator : UM/SJ
Sample : H3303-03
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

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	6.147	397	399	402	rVB	608694	791654	8.29%	0.572%
36	6.205	402	404	406	rBV2	227634	489519	5.12%	0.354%
37	6.273	406	410	411	rVV3	897143	1957392	20.49%	1.414%
38	6.307	411	413	417	rVV	2083090	4192369	43.89%	3.028%
39	6.387	417	420	423	rVV	1263998	2689703	28.16%	1.943%
40	6.445	423	425	428	rVB2	419612	874137	9.15%	0.631%
41	6.616	436	440	444	rBV2	1268776	2859326	29.93%	2.065%
42	6.696	444	447	448	rBV2	1226470	2475201	25.91%	1.788%
43	6.730	448	450	452	rVV2	1792700	3368644	35.27%	2.433%
44	6.776	452	454	460	rVV4	1675297	3951578	41.37%	2.854%
45	6.867	460	462	464	rVV	1510344	2592266	27.14%	1.872%
46	6.913	464	466	470	rVB2	875468	1855575	19.43%	1.340%
47	6.982	470	472	475	rVB	829663	1286293	13.47%	0.929%
48	7.027	475	476	477	rBV	603377	805131	8.43%	0.582%
49	7.062	477	479	485	rVV3	730077	2255777	23.61%	1.629%
50	7.142	485	486	489	rVB2	609626	1076064	11.26%	0.777%
51	7.210	489	492	494	rBV	1756319	3223945	33.75%	2.329%
52	7.279	495	498	502	rVB	2747329	5959984	62.39%	4.305%
53	7.565	520	523	526	rBV2	2847229	6715024	70.30%	4.850%
54	7.622	526	528	535	rVV3	1678703	6460619	67.63%	4.666%
55	7.725	535	537	549	rVB4	1972754	9552344	100.00%	6.899%
56	7.953	555	557	558	rBV	603938	972261	10.18%	0.702%
57	8.045	562	565	566	rVV3	1062524	2353239	24.64%	1.700%
58	8.102	566	570	574	rVV4	1226113	5301291	55.50%	3.829%
59	8.376	591	594	596	rBV3	1412324	3858499	40.39%	2.787%
60	8.525	604	607	610	rBV3	1772017	5460637	57.17%	3.944%
61	8.753	625	627	629	rBV	1076451	2477591	25.94%	1.790%
62	15.623	1226	1228	1230	rBV	1244260	2287206	23.94%	1.652%
63	15.771	1239	1241	1243	rBV	1223486	2212262	23.16%	1.598%
64	16.297	1285	1287	1289	rVB	1428707	1723109	18.04%	1.245%
65	16.400	1292	1296	1298	rBV2	1887782	3675875	38.48%	2.655%
66	16.560	1308	1310	1312	rVB2	604863	650957	6.81%	0.470%
67	16.948	1342	1344	1347	rVB2	896264	1299273	13.60%	0.938%
68	16.994	1347	1348	1352	rVB	923064	1377609	14.42%	0.995%
69	17.063	1352	1354	1356	rBV2	621734	902918	9.45%	0.652%
70	17.108	1356	1358	1361	rVB2	1320337	2255903	23.62%	1.629%
71	17.486	1389	1391	1393	rBV	332621	533309	5.58%	0.385%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087540.D
Acq On : 30 May 2016 7:24
Operator : UM/SJ
Sample : H3303-03
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

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

72	18.457	1474	1476	1480	rVB	457892	682910	7.15%	0.493%
73	20.137	1621	1623	1625	rBV	270906	369774	3.87%	0.267%
74	20.629	1664	1666	1674	rVB2	274169	644485	6.75%	0.465%
75	20.972	1693	1696	1699	rVB	252787	441242	4.62%	0.319%
76	21.406	1732	1734	1737	rVB	70404	118085	1.24%	0.085%

Sum of corrected areas: 138451086

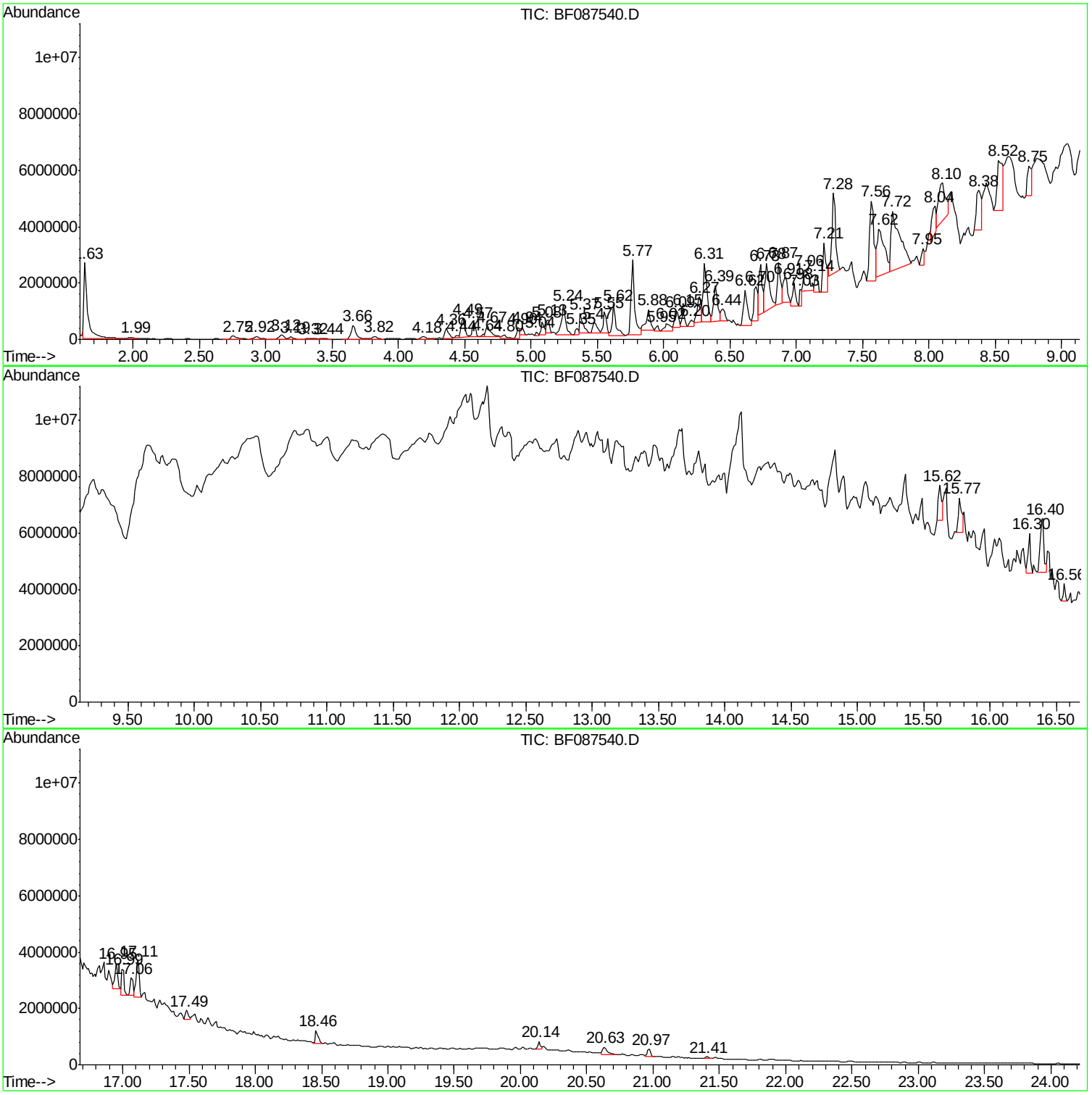
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087540.D
Acq On : 30 May 2016 7:24
Operator : UM/SJ
Sample : H3303-03
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

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\BF052916\
Data File : BF087540.D
Acq On : 30 May 2016 7:24
Operator : UM/SJ
Sample : H3303-03
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

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

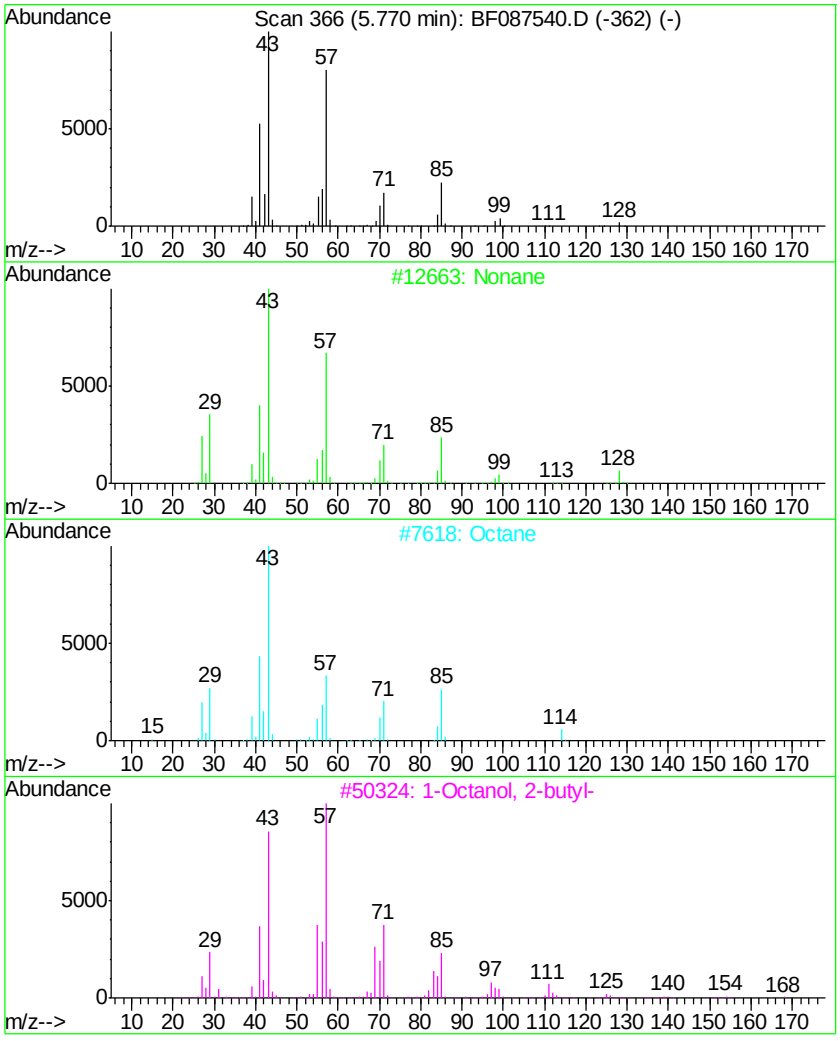
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

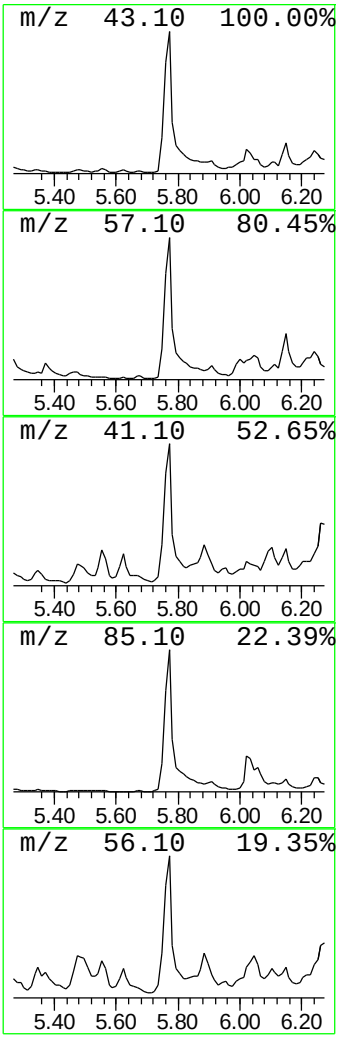
****

Peak Number 2 Nonane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.77	15.48 ng	5196390	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	83
2	Octane	114	C8H18	000111-65-9	64
3	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	64
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
5	Decane, 2-methyl-	156	C11H24	006975-98-0	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087540.D
Acq On : 30 May 2016 7:24
Operator : UM/SJ
Sample : H3303-03
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

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

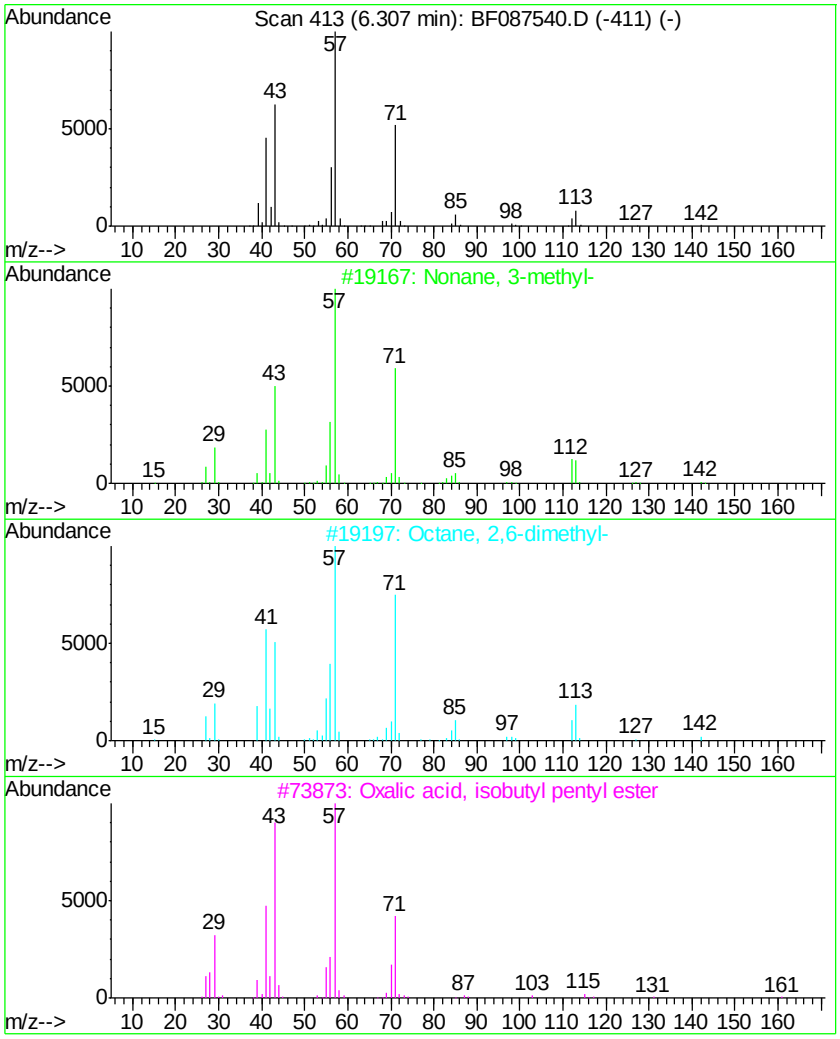
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

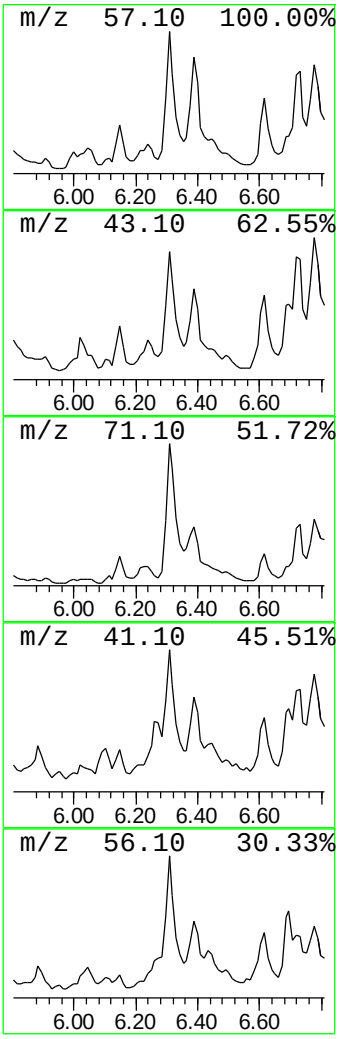
****

Peak Number 3 Nonane, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	12.49 ng	4192370	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	87
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
3	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	64
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	56
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087540.D
Acq On : 30 May 2016 7:24
Operator : UM/SJ
Sample : H3303-03
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

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

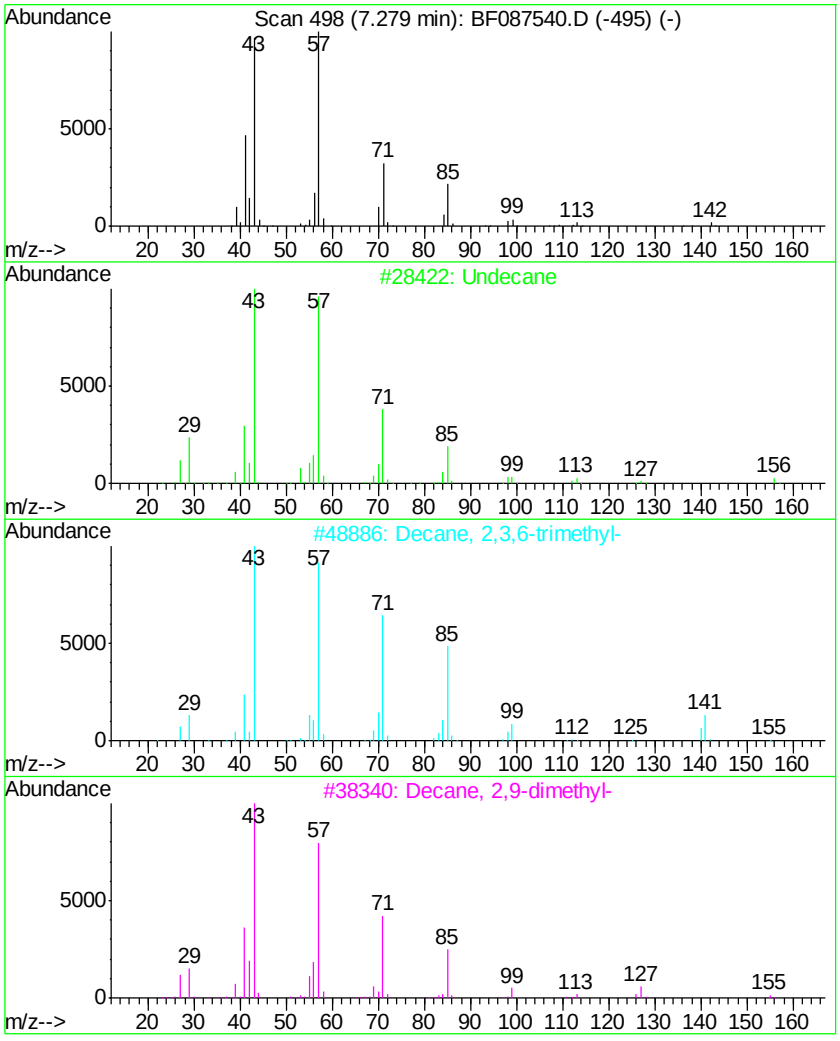
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

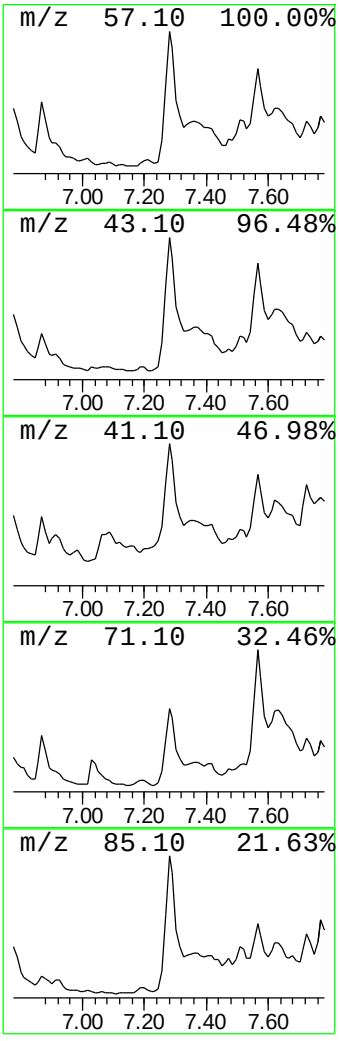
****

Peak Number 4 Undecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.28	17.75 ng	5959980	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	83
2	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	64
3	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	64
4	Ether, hexyl pentyl	172	C11H24O	032357-83-8	64
5	Decane	142	C10H22	000124-18-5	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087540.D
Acq On : 30 May 2016 7:24
Operator : UM/SJ
Sample : H3303-03
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

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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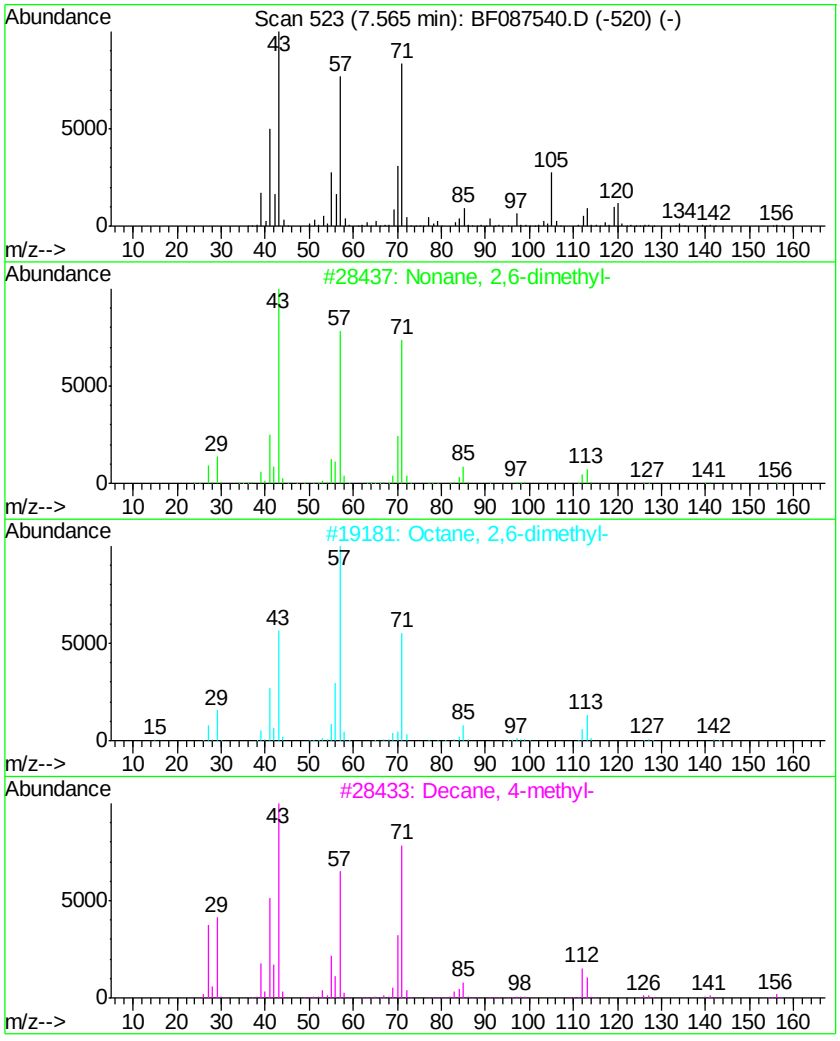
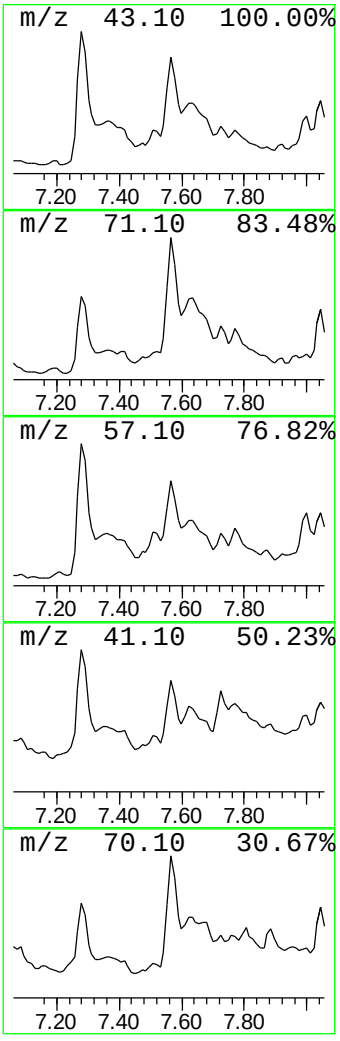
Peak Number 5 Nonane, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	20.00 ng	6715020	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	93
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	58
3	Decane, 4-methyl-	156	C11H24	002847-72-5	53
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	53
5	Oxalic acid, 6-ethyloct-3-yl hex...	314	C18H34O4	1000309-34-4	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087540.D
Acq On : 30 May 2016 7:24
Operator : UM/SJ
Sample : H3303-03
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

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

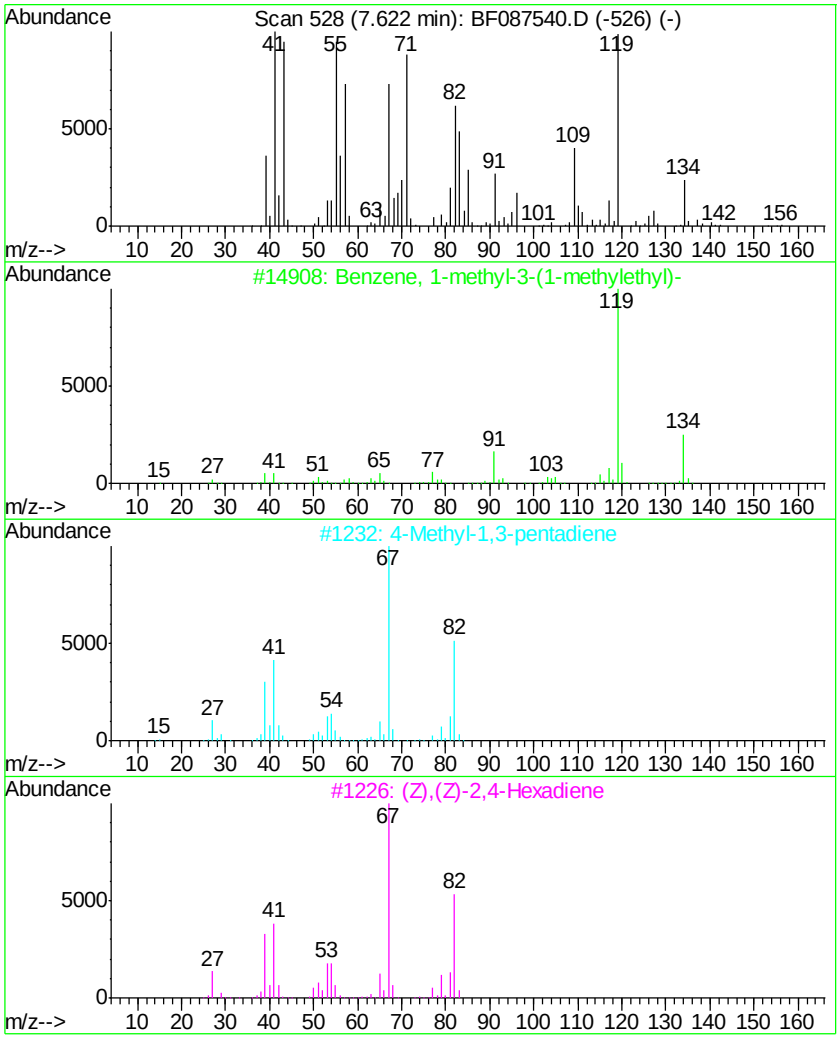
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

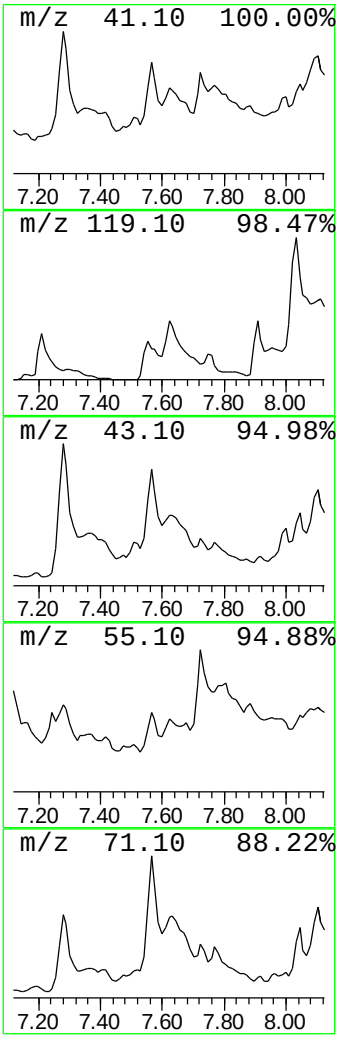
****

Peak Number 6 unknown7.62 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	19.24 ng	6460620	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	25
2	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	18
3	(Z),(Z)-2,4-Hexadiene	82	C6H10	006108-61-8	18
4	3-Hexyne	82	C6H10	000928-49-4	18
5	1,6-Octadiene, 2,6-dimethyl-, (Z)-	138	C10H18	006874-34-6	18





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087540.D
Acq On : 30 May 2016 7:24
Operator : UM/SJ
Sample : H3303-03
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

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

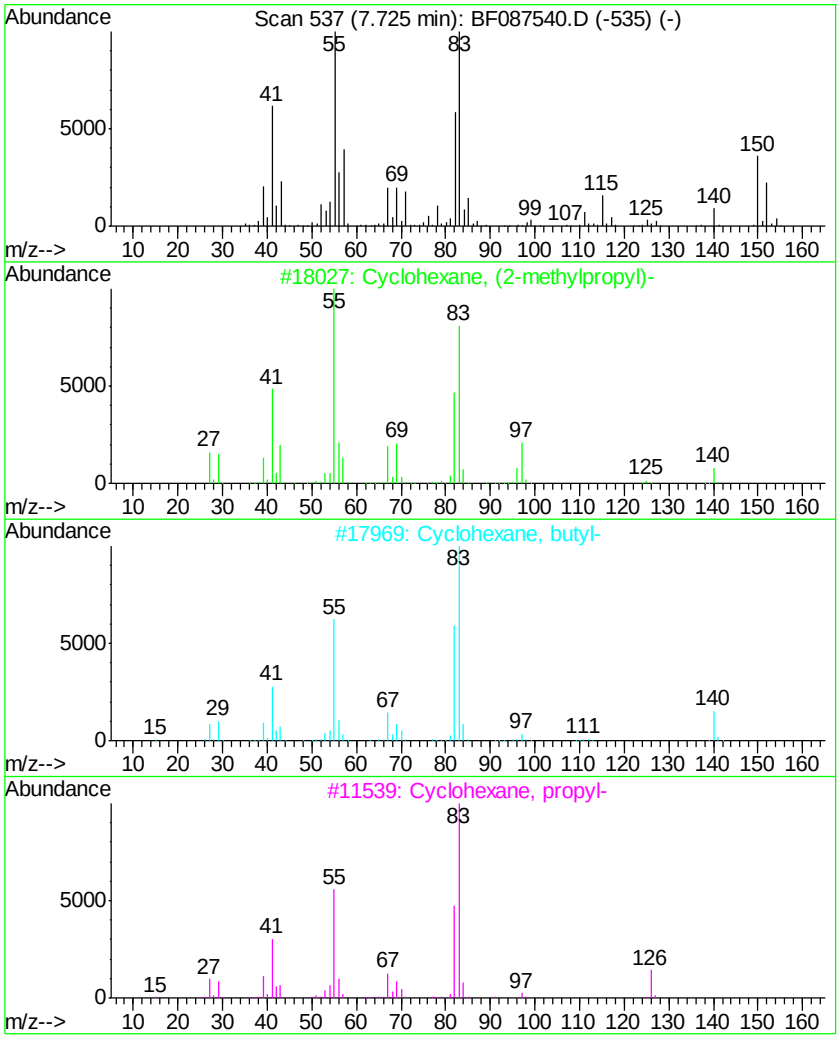
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

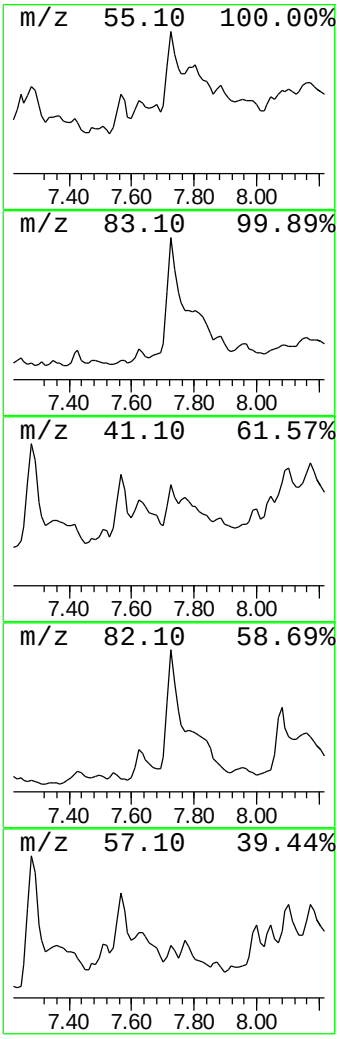
****

Peak Number 7 Cyclohexane, (2-methylpropyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	28.45 ng	9552340	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	58
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	53
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	53
5	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087540.D
Acq On : 30 May 2016 7:24
Operator : UM/SJ
Sample : H3303-03
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

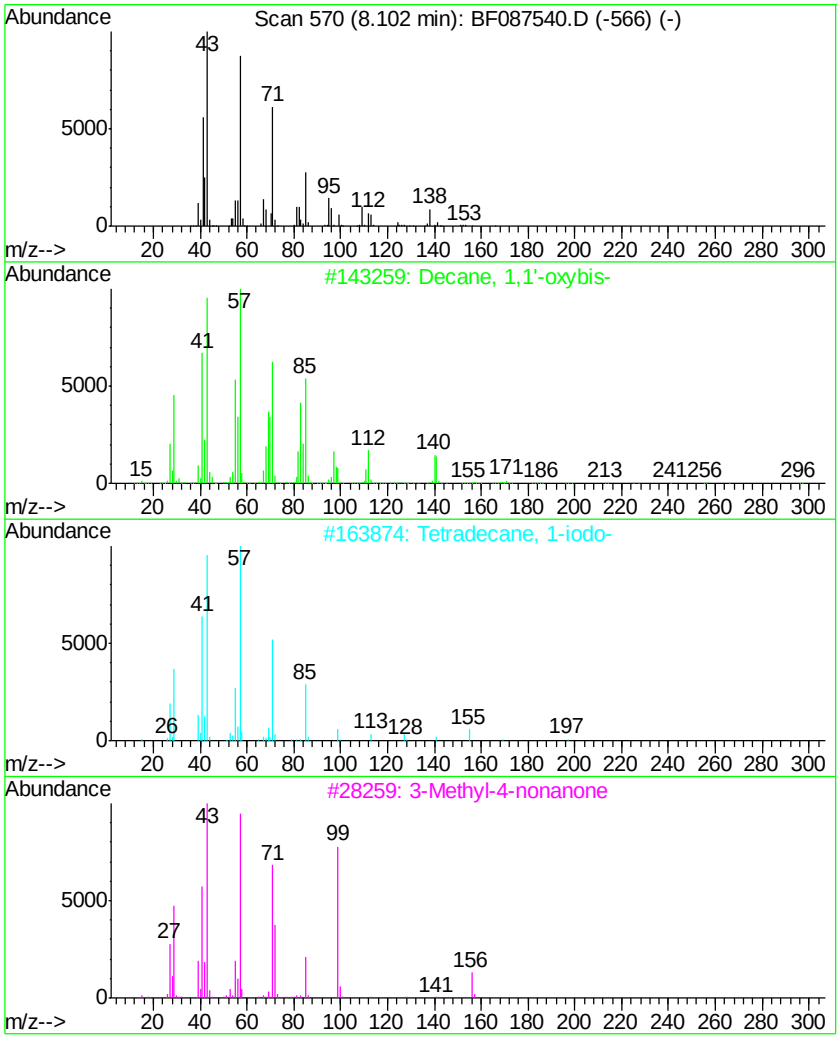
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

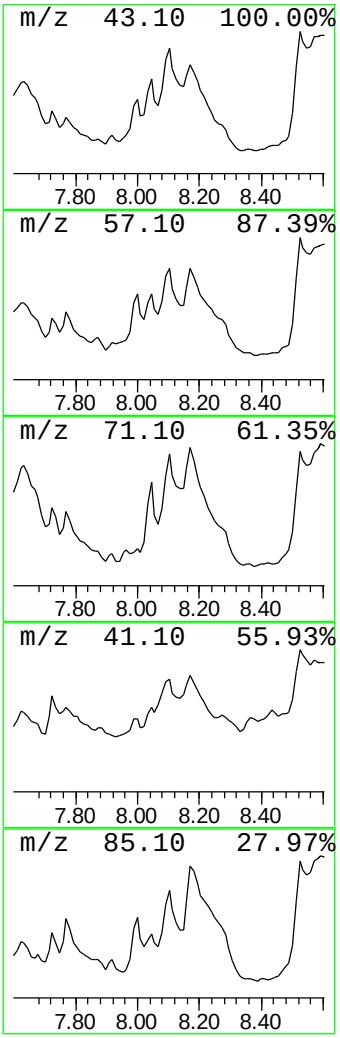
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Decane, 1,1'-oxybis- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	15.79 ng	5301290	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	53
2	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	52
3	3-Methyl-4-nonanone	156	C10H20O	035778-39-3	47
4	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	47
5	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	47





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Data File : BF087540.D
Acq On : 30 May 2016 7:24
Operator : UM/SJ
Sample : H3303-03
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

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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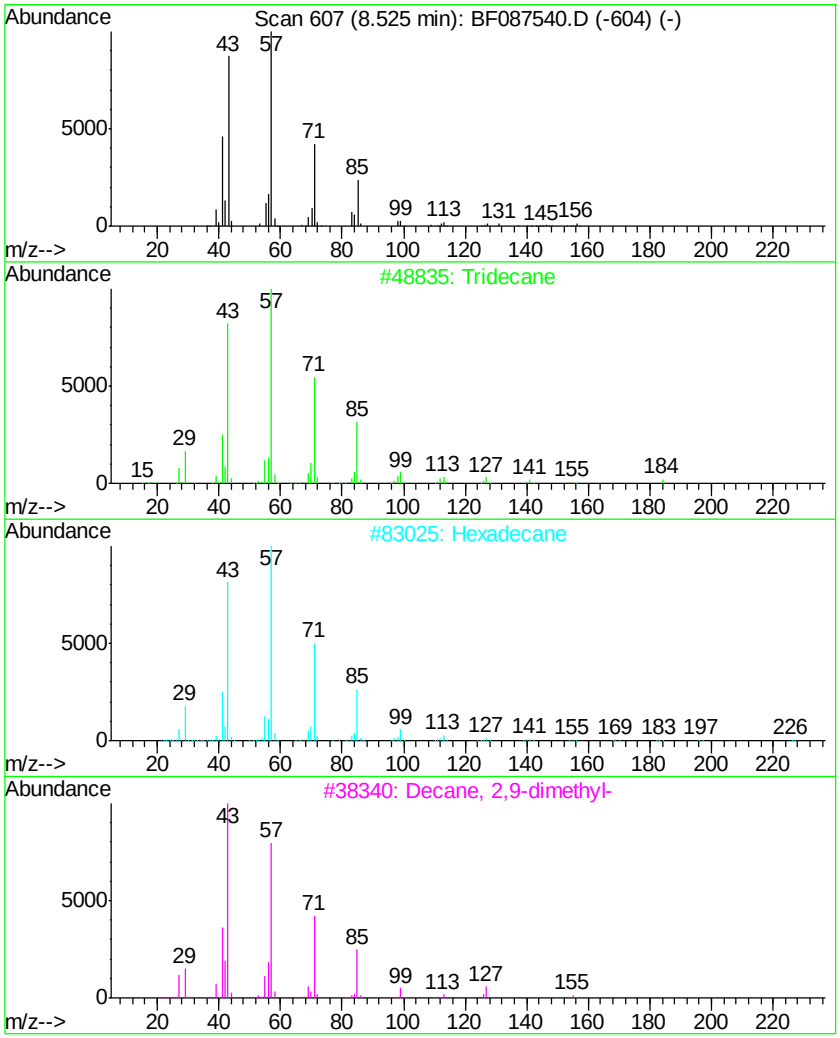
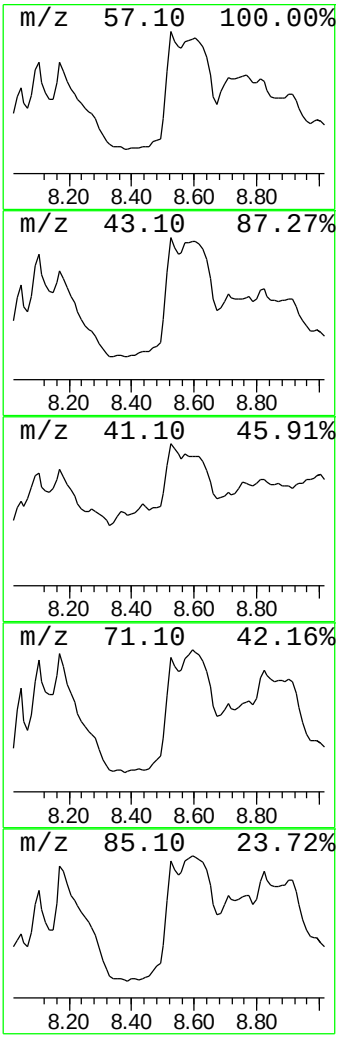
Peak Number 9 Tridecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	44.08 ng	5460640	Naphthalene-d8	9.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	86
2	Hexadecane	226	C16H34	000544-76-3	83
3	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	72
4	Decane, 2-methyl-	156	C11H24	006975-98-0	72
5	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	64





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Sample : H3303-03
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ClientSampleId : B3-12

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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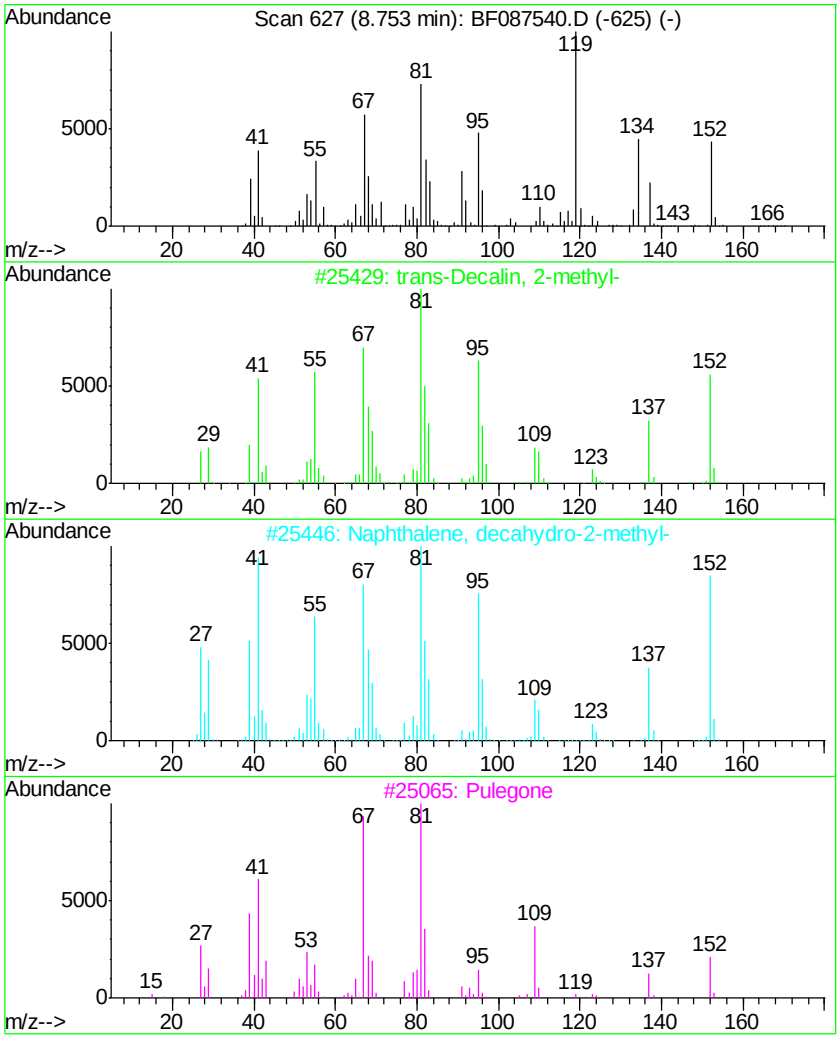
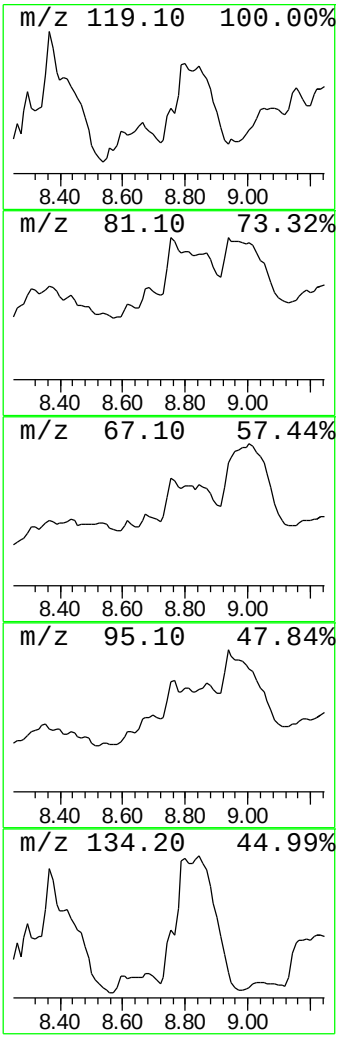
Peak Number 10 trans-Decalin, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	20.00 ng	2477590	Naphthalene-d8	9.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	91
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	83
3	Pulegone	152	C10H16O	000089-82-7	55
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	49
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	000529-00-0	41





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Operator : UM/SJ
Sample : H3303-03
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ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

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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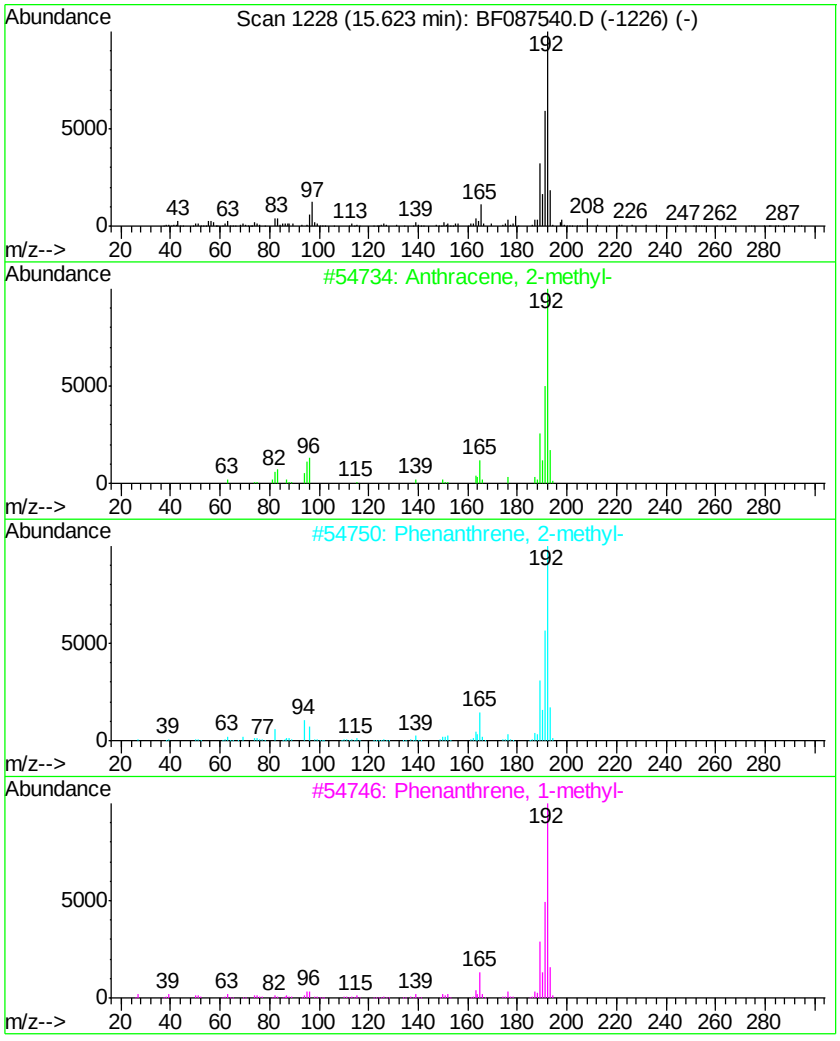
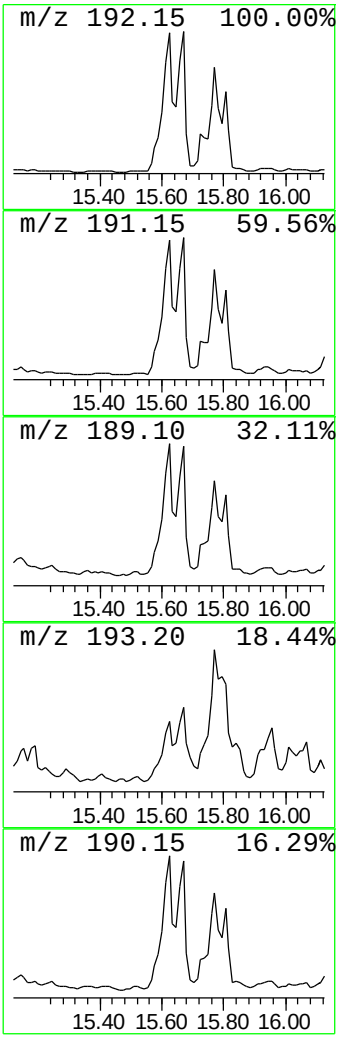
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	20.00 ng	2287210	Phenanthrene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	81
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81





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Acq On : 30 May 2016 7:24
Operator : UM/SJ
Sample : H3303-03
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

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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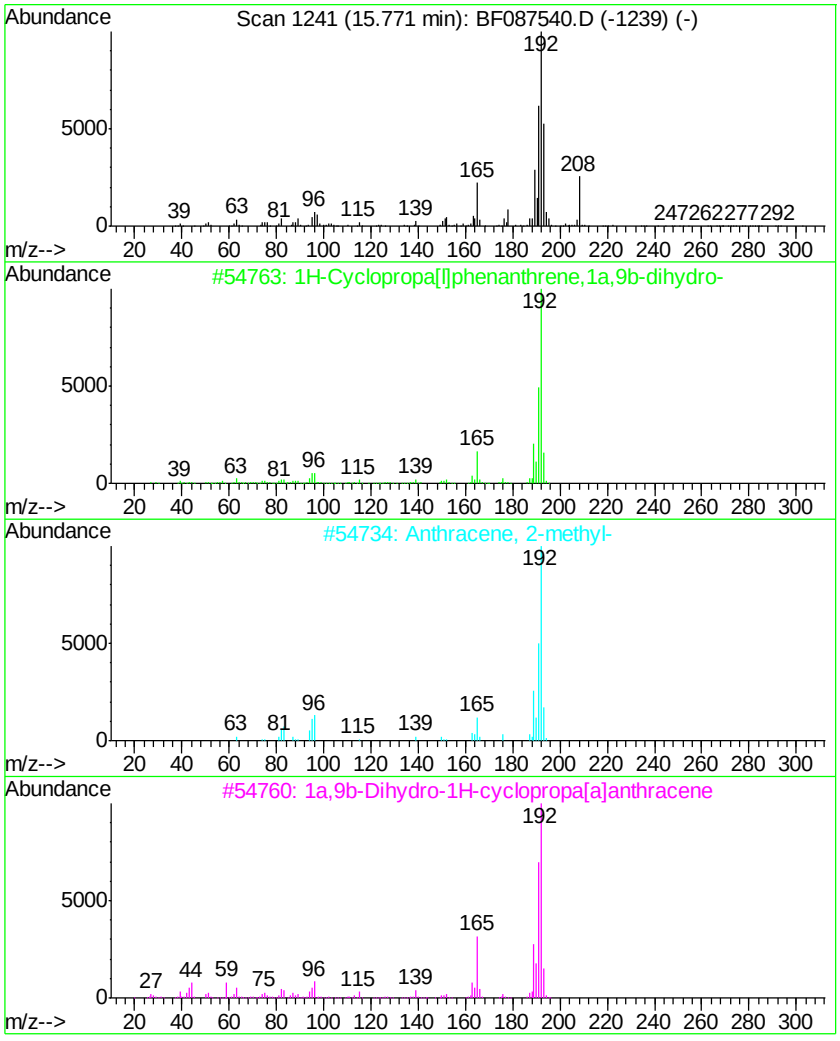
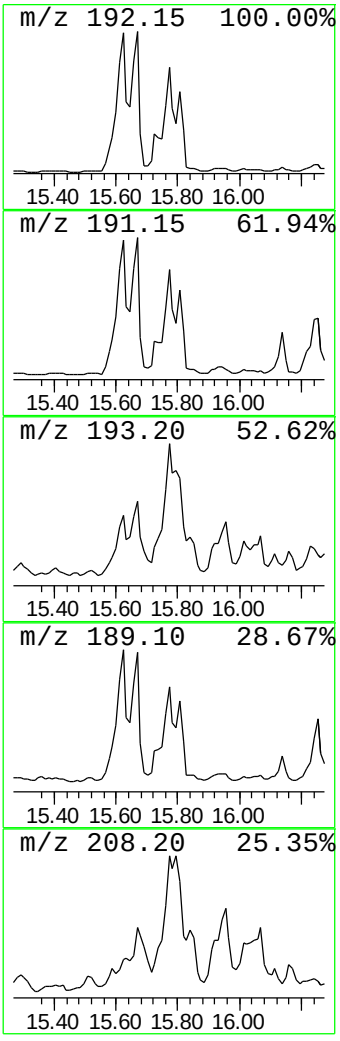
Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	19.34 ng	2212260	Phenanthrene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64





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Acq On : 30 May 2016 7:24
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Sample : H3303-03
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

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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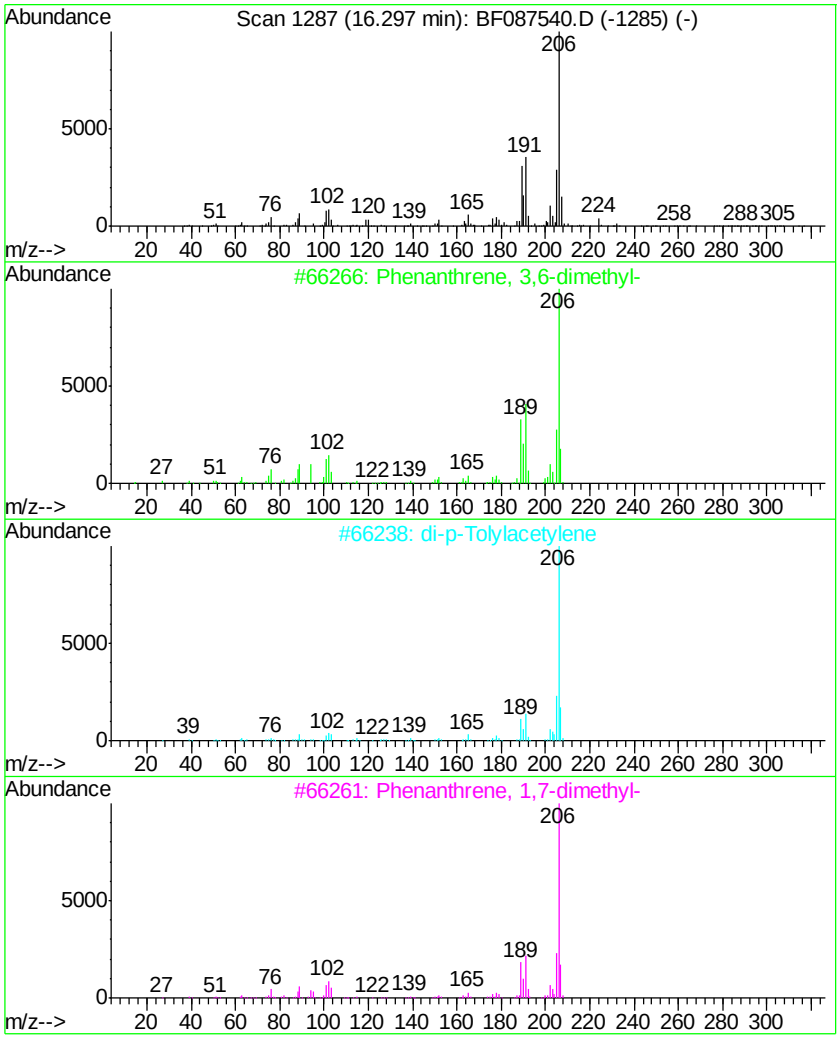
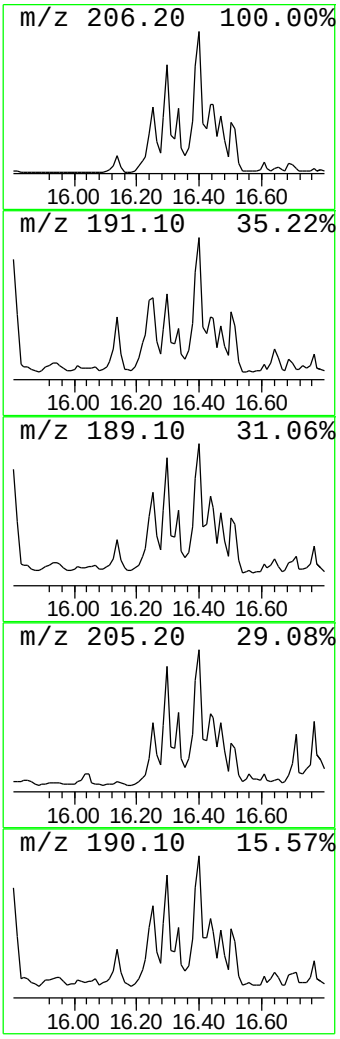
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	15.07 ng	1723110	Phenanthrene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81





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Operator : UM/SJ
Sample : H3303-03
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

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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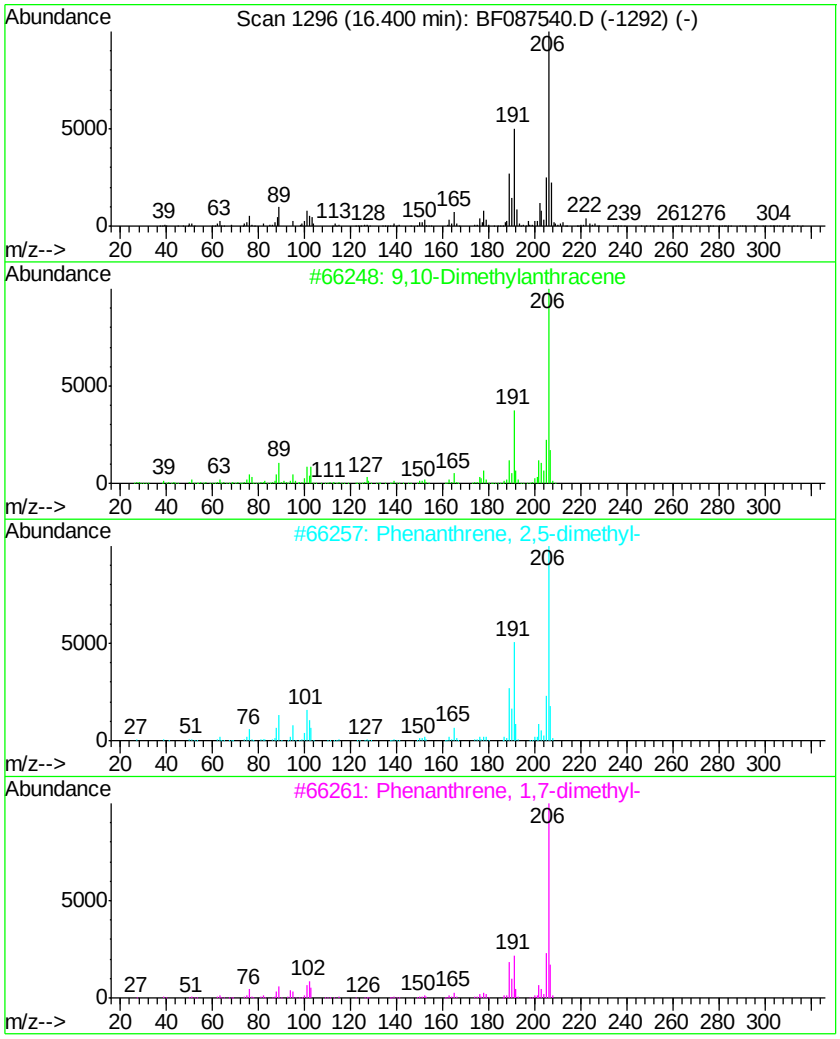
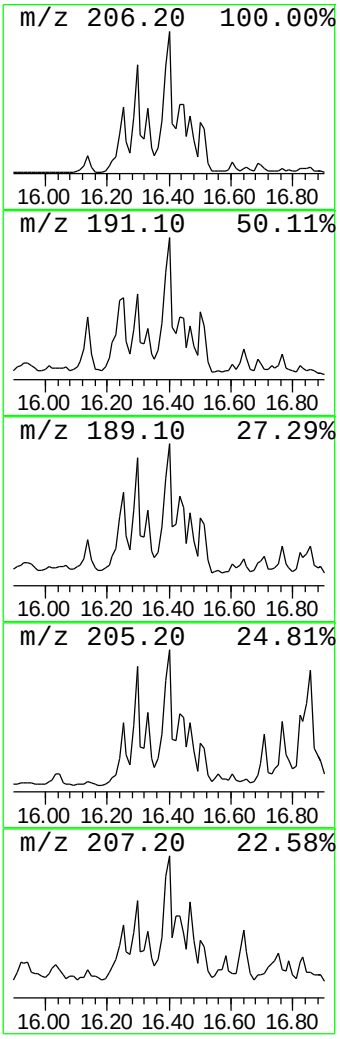
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	32.14 ng	3675880	Phenanthrene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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Acq On : 30 May 2016 7:24
Operator : UM/SJ
Sample : H3303-03
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

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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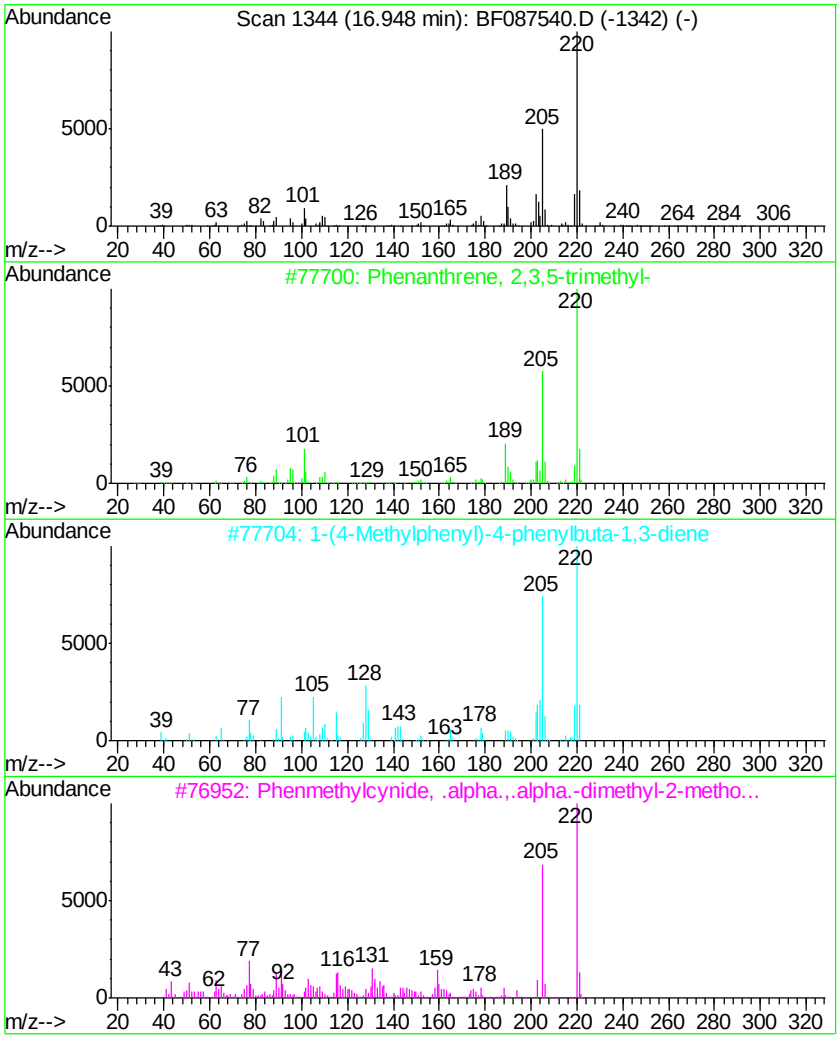
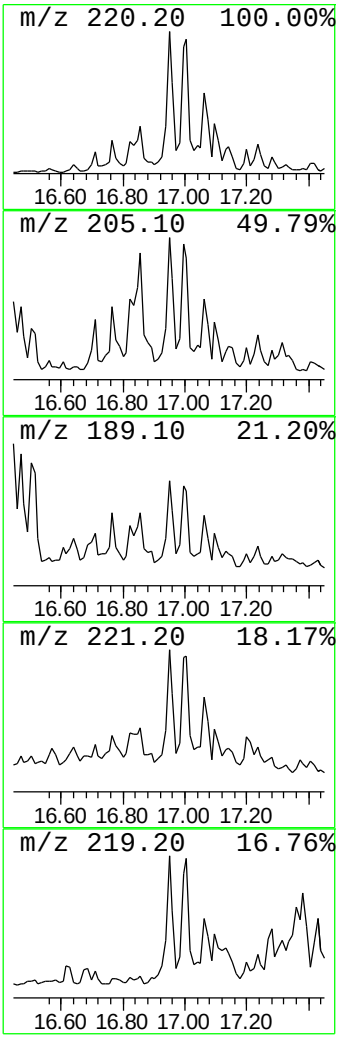
Peak Number 15 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	38.05 ng	1299270	Chrysene-d12	18.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	93
2	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	81
3	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	53
4	1-(Hydroxy-phenyl-methyl)-2-meth...	408	C27H36O3	108546-86-7	53
5	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087540.D
Acq On : 30 May 2016 7:24
Operator : UM/SJ
Sample : H3303-03
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

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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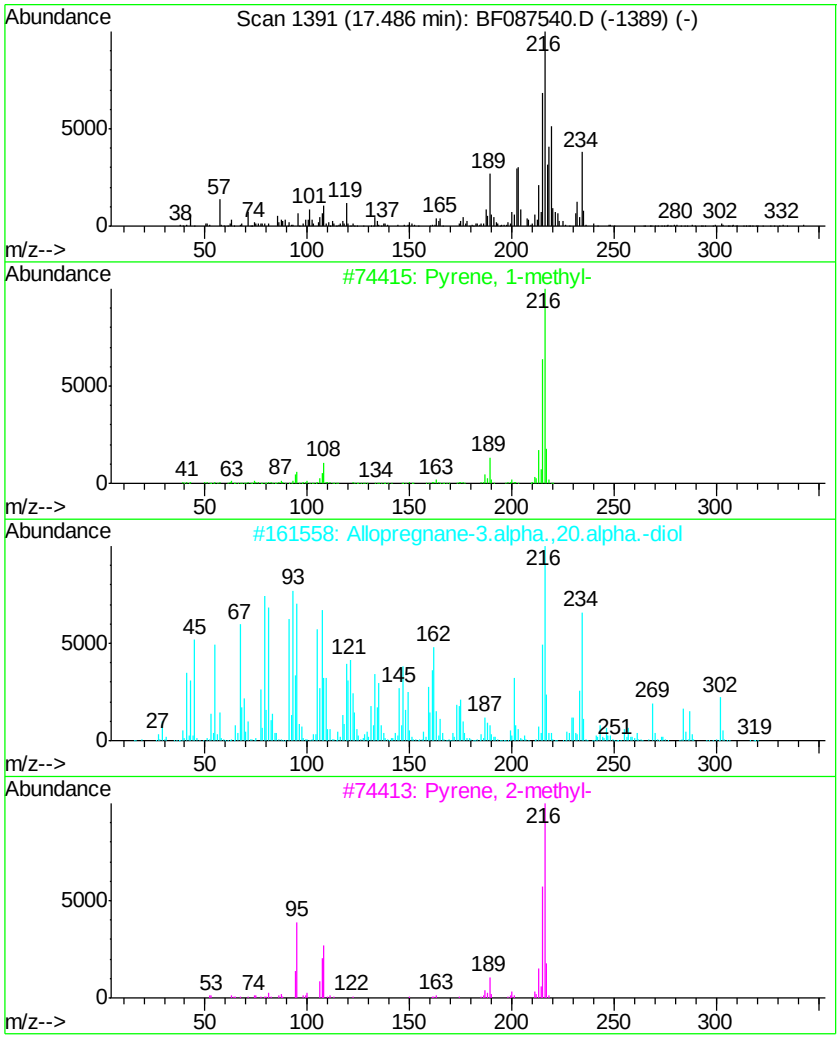
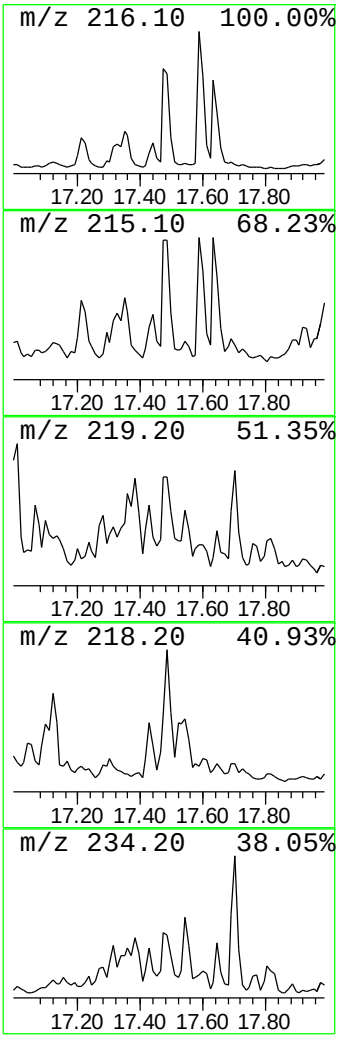
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.49	15.62 ng	533309	Chrysene-d12	18.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
2	Allopregnane-3.alpha.,20.alpha.-...	320	C21H36O2	000566-58-5	46
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	46
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	42
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	41





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Sample : H3303-03
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

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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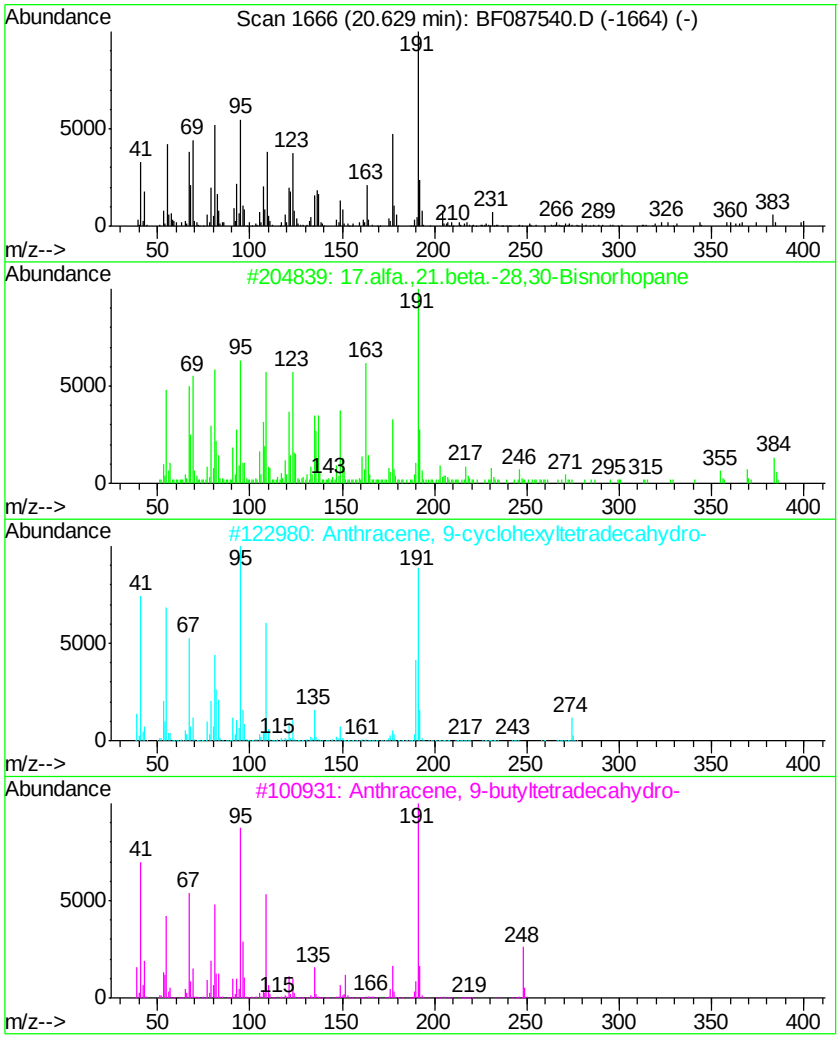
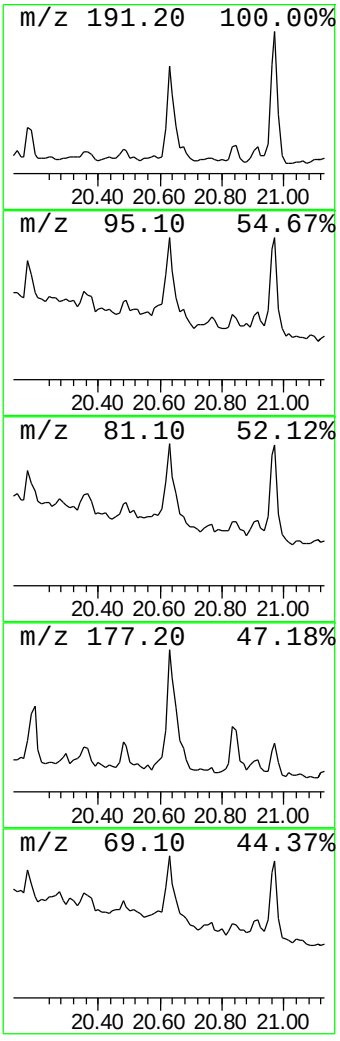
Peak Number 19 unknown20.63 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.63	34.86 ng	644485	Perylene-d12	20.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17.alfa.,21.beta.-28,30-Bisnorho...	384	C28H48	1000360-26-1	43
2	Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	35
3	Anthracene, 9-butyltetradecahydro-	248	C18H32	055133-89-6	35
4	Phenanthrene, 9-dodecyltetradeca...	360	C26H48	055334-01-5	35
5	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	32





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ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

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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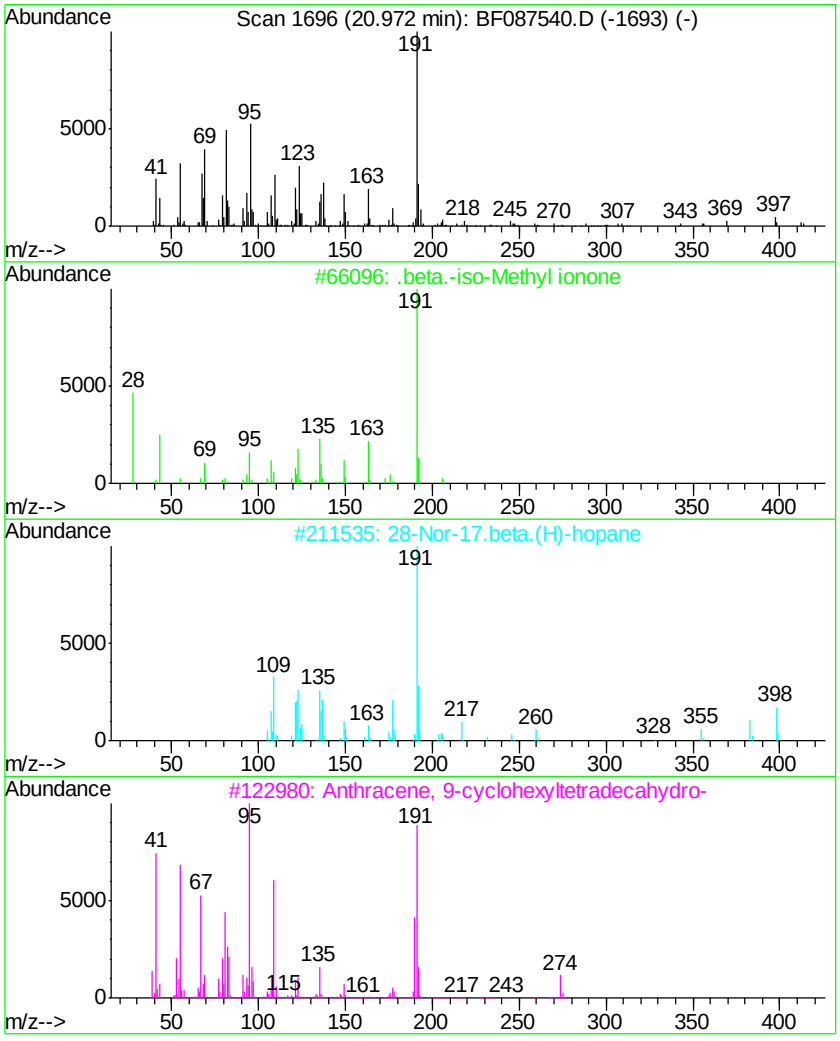
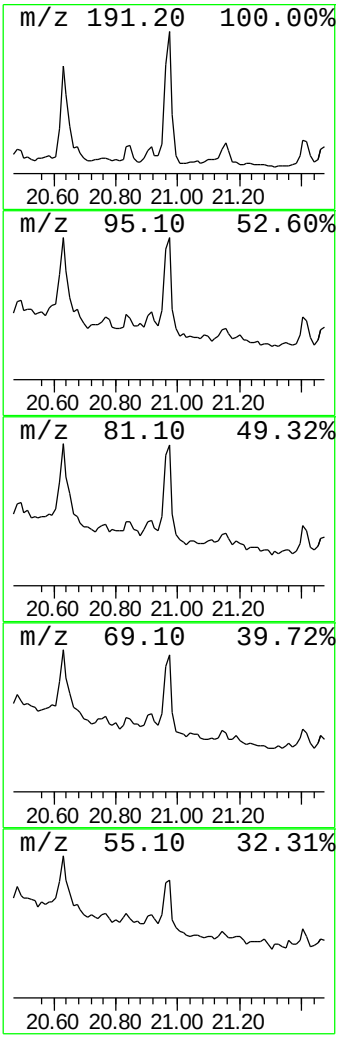
Peak Number 20 unknown20.97 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	23.87 ng	441242	Perylene-d12	20.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	43
2	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	42
3	Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	38
4	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	38
5	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	38





Tentatively Identified Compound (LSC) summary

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Data File : BF087540.D
Acq On : 30 May 2016 7:24
Operator : UM/SJ
Sample : H3303-03
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B3-12

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
Nonane	5.77	15.5	ng	5196390	1	7.50	6715020	20.0
Nonane, 3-methyl-	6.31	12.5	ng	4192370	1	7.50	6715020	20.0
Undecane	7.28	17.8	ng	5959980	1	7.50	6715020	20.0
Nonane, 2,6-dimet...	7.56	20.0	ng	6715020	1	7.50	6715020	20.0
unknown7.62	7.62	19.2	ng	6460620	1	7.50	6715020	20.0
Cyclohexane, (2-m...	7.72	28.4	ng	9552340	1	7.50	6715020	20.0
Decane, 1,1'-oxybis-	8.10	15.8	ng	5301290	1	7.50	6715020	20.0
Tridecane	8.52	44.1	ng	5460640	2	9.54	2477590	20.0
trans-Decalin, 2-...	8.75	20.0	ng	2477590	2	9.54	2477590	20.0
Anthracene, 2-met...	15.62	20.0	ng	2287210	4	14.86	2287210	20.0
1H-Cyclopropa[l]p...	15.77	19.3	ng	2212260	4	14.86	2287210	20.0
Phenanthrene, 3,6...	16.30	15.1	ng	1723110	4	14.86	2287210	20.0
9,10-Dimethylanth...	16.40	32.1	ng	3675880	4	14.86	2287210	20.0
Phenanthrene, 2,3...	16.95	38.0	ng	1299270	5	18.46	682910	20.0
Pyrene, 1-methyl-	17.49	15.6	ng	533309	5	18.46	682910	20.0
unknown20.63	20.63	34.9	ng	644485	6	20.14	369774	20.0
unknown20.97	20.97	23.9	ng	441242	6	20.14	369774	20.0