LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087384.D
Acq On : 25 May 2016 21:54
Operator : UM/SJ
Sample : H3242-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-11(5.5-6)

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	3919179	7608227	100.00%	18.552%
2	5.427	334	336	340	rBV	95202	192667	2.53%	0.470%
3	5.816	367	370	373	rBV	322099	418103	5.50%	1.020%
4	6.296	407	412	413	rBV2	35566	97435	1.28%	0.238%
5	6.353	415	417	421	rVB	96551	140905	1.85%	0.344%
6	6.433	421	424	428	rBV2	42742	97898	1.29%	0.239%
7	6.661	438	444	448	rVB	89976	153372	2.02%	0.374%
8	6.730	448	450	452	rBV	84236	161471	2.12%	0.394%
9	6.764	452	453	455	rVV	190125	203455	2.67%	0.496%
10	6.822	455	458	463	rVB	223154	336670	4.43%	0.821%
11	6.913	463	466	468	rBV	211670	293688	3.86%	0.716%
12	7.073	477	480	482	rVV2	111246	197883	2.60%	0.483%
13	7.107	482	483	487	rVV2	86776	151349	1.99%	0.369%
14	7.176	487	489	494	rVB	193936	331052	4.35%	0.807%
15	7.313	498	501	504	rVV	986760	1141884	15.01%	2.784%
16	7.519	517	519	524	rVB2	514873	791671	10.41%	1.930%
17	7.599	524	526	529	rVB2	107269	157093	2.06%	0.383%
18	7.667	529	532	534	rBV2	62167	121127	1.59%	0.295%
19	7.759	537	540	542	rBV	299530	441731	5.81%	1.077%
20	7.804	542	544	549	rVB2	54994	117442	1.54%	0.286%
21	8.022	561	563	565	rVB	151368	166556	2.19%	0.406%
22	8.067	565	567	569	rVB2	184380	224828	2.96%	0.548%
23	8.124	569	572	576	rBV	244134	358442	4.71%	0.874%
24	8.193	576	578	581	rVB	177041	231613	3.04%	0.565%
25	8.387	592	595	597	rBV	116086	189011	2.48%	0.461%
26	8.433	597	599	606	rVB2	79629	174068	2.29%	0.424%
27	8.547	606	609	611	rBV	846006	1071577	14.08%	2.613%
28	8.627	614	616	619	rBV2	43763	86000	1.13%	0.210%
29	8.707	621	623	626	rVB3	74217	121378	1.60%	0.296%
30	8.765	626	628	630	rBV	159909	247295	3.25%	0.603%
31	8.810	630	632	640	rVB	259088	433282	5.69%	1.057%
32	8.970	643	646	648	rBV3	68231	133710	1.76%	0.326%
33	9.050	651	653	656	rBV3	84401	173546	2.28%	0.423%
34	9.142	658	661	664	rBV3	248978	626732	8.24%	1.528%

LSC Area Percent Report

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Acq On : 25 May 2016 21:54
Operator : UM/SJ
Sample : H3242-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-11(5.5-6)

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	9.199	664	666	667	rVB	75317	85858	1.13%	0.209%
36	9.245	667	670	672	rVB2	219245	378584	4.98%	0.923%
37	9.313	672	676	679	rVB3	194748	349800	4.60%	0.853%
38	9.393	679	683	687	rVB	152831	236228	3.10%	0.576%
39	9.542	691	696	698	rBV	624833	1088451	14.31%	2.654%
40	9.576	698	699	701	rVV	437193	532546	7.00%	1.299%
41	9.633	701	704	708	rVB	1228218	1625533	21.37%	3.964%
42	9.759	709	715	717	rVB2	238064	439088	5.77%	1.071%
43	9.805	717	719	720	rBV2	57770	98104	1.29%	0.239%
44	9.839	720	722	724	rVB	85206	130220	1.71%	0.318%
45	9.908	724	728	730	rBV2	113035	172907	2.27%	0.422%
46	10.022	735	738	741	rVB3	126891	244276	3.21%	0.596%
47	10.079	741	743	746	rBV2	129873	219507	2.89%	0.535%
48	10.159	746	750	752	rBV2	208456	515027	6.77%	1.256%
49	10.216	752	755	757	rVB2	219487	262691	3.45%	0.641%
50	10.273	757	760	763	rVB	336573	432853	5.69%	1.055%
51	10.342	763	766	768	rBV	336947	561254	7.38%	1.369%
52	10.570	783	786	787	rVV2	44583	102621	1.35%	0.250%
53	10.628	787	791	793	rVV	1341493	2116781	27.82%	5.162%
54	10.708	793	798	802	rVV2	213232	534080	7.02%	1.302%
55	10.765	802	803	807	rVV2	121486	251423	3.30%	0.613%
56	10.868	809	812	815	rVV2	99818	192530	2.53%	0.469%
57	10.936	815	818	819	rVV	71652	96907	1.27%	0.236%
58	11.085	828	831	835	rVV2	216052	504191	6.63%	1.229%
59	11.153	835	837	840	rVV	134439	195031	2.56%	0.476%
60	11.211	840	842	845	rVV	216439	265657	3.49%	0.648%
61	11.268	845	847	849	rVV	148034	222400	2.92%	0.542%
62	11.325	849	852	857	rVB2	308701	482623	6.34%	1.177%
63	11.542	868	871	874	rVB	592080	736075	9.67%	1.795%
64	12.022	911	913	918	rVB3	41230	102998	1.35%	0.251%
65	12.376	941	944	947	rBV	577856	900757	11.84%	2.196%
66	12.422	947	948	951	rVB	181369	178460	2.35%	0.435%
67	12.719	971	974	978	rBV	83640	135865	1.79%	0.331%
68	13.268	1019	1022	1025	rBV	138271	183601	2.41%	0.448%
69	13.668	1055	1057	1062	rBV	124608	192427	2.53%	0.469%
70	14.765	1151	1153	1155	rBV	438463	700629	9.21%	1.708%
71	14.811	1155	1157	1160	rVV	985845	1196766	15.73%	2.918%

LSC Area Percent Report

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Data File : BF087384.D
Acq On : 25 May 2016 21:54
Operator : UM/SJ
Sample : H3242-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-11(5.5-6)

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	14.891	1160	1164	1169	rVB	259968	332819	4.37%	0.812%
73	15.188	1187	1190	1196	rBV	73512	103587	1.36%	0.253%
74	15.565	1220	1223	1225	rBV	84170	100433	1.32%	0.245%
75	15.600	1225	1226	1228	rVV	85796	118456	1.56%	0.289%
76	15.714	1234	1236	1238	rVV	122974	171593	2.26%	0.418%
77	15.760	1238	1240	1245	rVB	53274	88829	1.17%	0.217%
78	16.011	1258	1262	1264	rBV	66262	93347	1.23%	0.228%
79	16.571	1308	1311	1314	rVB	901324	1010894	13.29%	2.465%
80	16.868	1335	1337	1340	rVV	799148	991854	13.04%	2.419%
81	16.960	1343	1345	1351	rVB2	50996	97402	1.28%	0.238%
82	17.063	1351	1354	1356	rBV2	48046	82273	1.08%	0.201%
83	17.120	1356	1359	1361	rVB2	239765	283635	3.73%	0.692%
84	17.337	1373	1378	1381	rVB	93625	176809	2.32%	0.431%
85	17.428	1384	1386	1388	rVB	69973	83546	1.10%	0.204%
86	17.474	1388	1390	1393	rBV4	69005	138780	1.82%	0.338%
87	17.920	1426	1429	1430	rBV2	65691	76519	1.01%	0.187%
88	18.457	1473	1476	1478	rBV2	589530	1050127	13.80%	2.561%
89	18.491	1478	1479	1482	rVV	241392	371477	4.88%	0.906%
90	19.726	1585	1587	1592	rBV	219073	462707	6.08%	1.128%
91	20.023	1610	1613	1616	rBV	128441	176412	2.32%	0.430%
92	20.080	1616	1618	1620	rBV	190527	217596	2.86%	0.531%
93	20.137	1620	1623	1625	rBV	344551	452015	5.94%	1.102%
94	21.360	1728	1730	1734	rVB	78981	139348	1.83%	0.340%
95	21.714	1759	1761	1766	rVB	66886	131819	1.73%	0.321%

Sum of corrected areas: 41010187

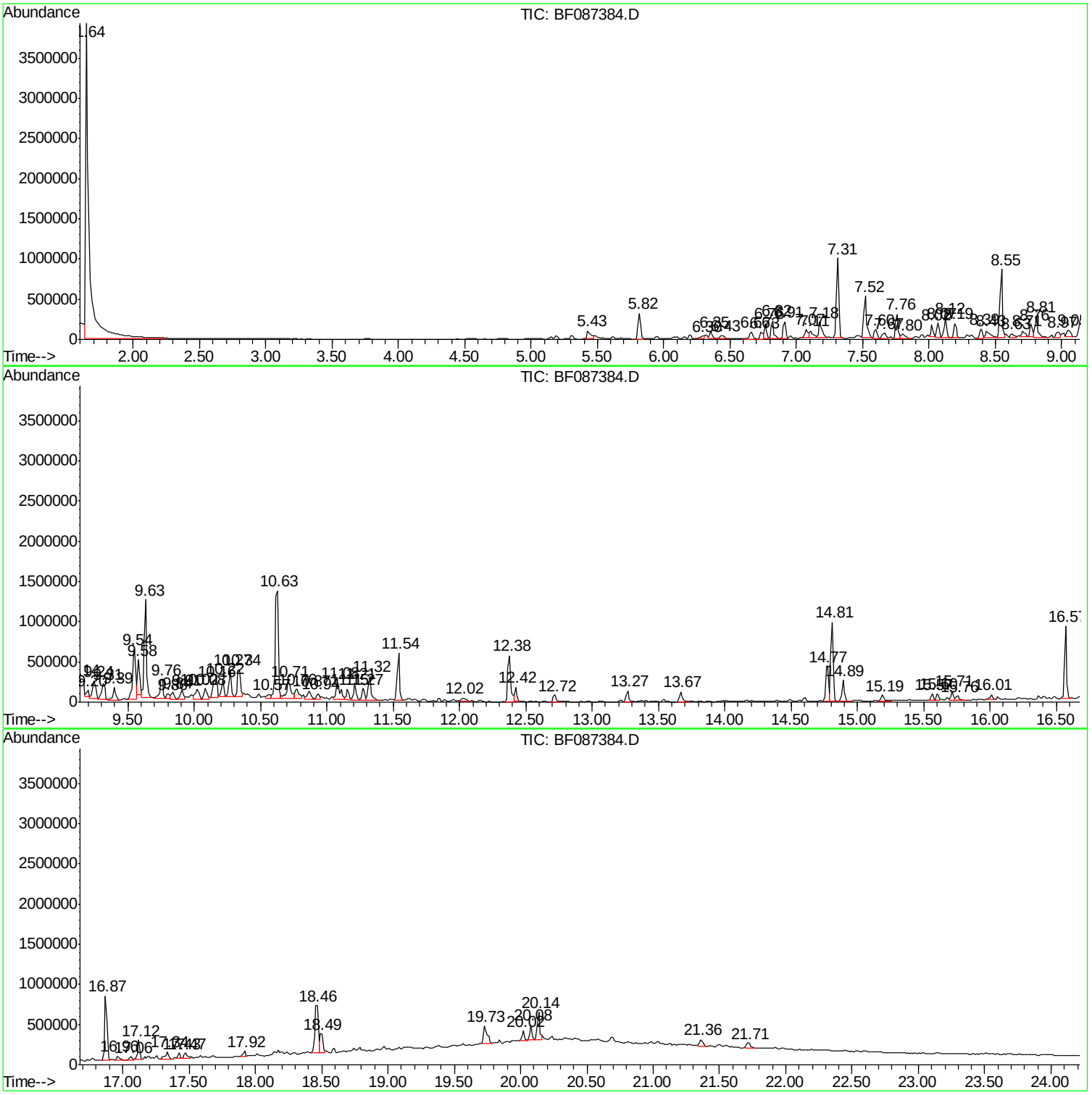
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087384.D
Acq On : 25 May 2016 21:54
Operator : UM/SJ
Sample : H3242-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-11(5.5-6)

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 : BF087384.D
Acq On : 25 May 2016 21:54
Operator : UM/SJ
Sample : H3242-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-11(5.5-6)

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

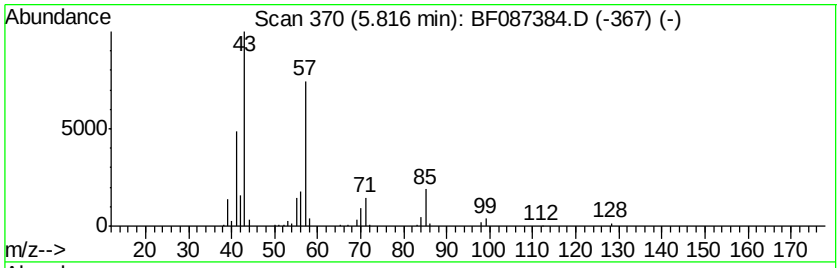
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

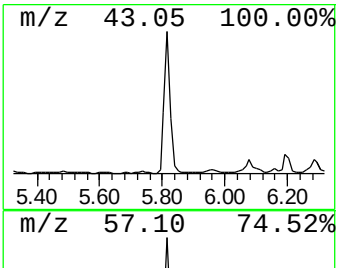
****

Peak Number 2 1-Octanol, 2-butyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	10.56 ng	418103	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	72
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59
3	Nonane	128	C9H20	000111-84-2	59
4	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	59
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087384.D
Acq On : 25 May 2016 21:54
Operator : UM/SJ
Sample : H3242-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-11(5.5-6)

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

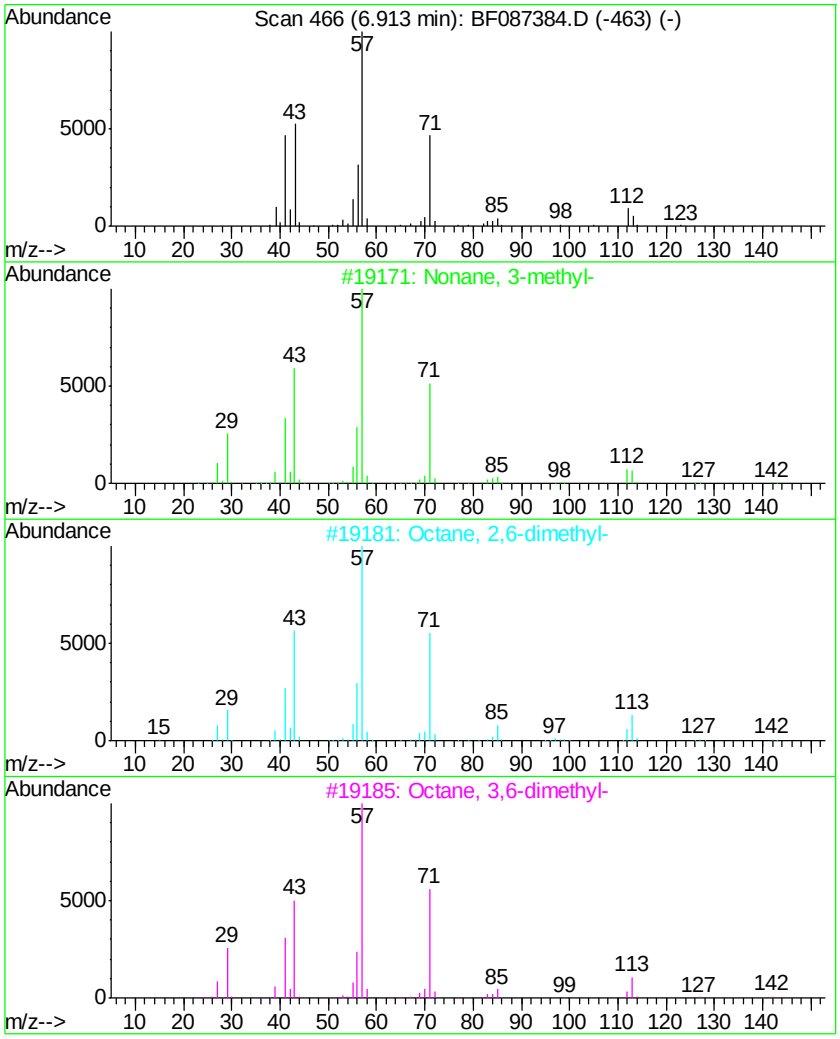
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

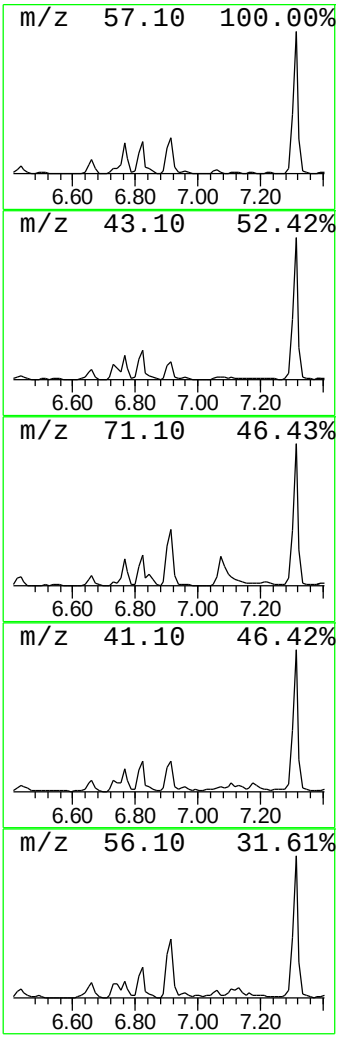
****

Peak Number 4 Nonane, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.91	7.42 ng	293688	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	64
5	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087384.D
Acq On : 25 May 2016 21:54
Operator : UM/SJ
Sample : H3242-05 5X
Misc :
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Instrument : BNA_F
ClientSampleId : E-11(5.5-6)

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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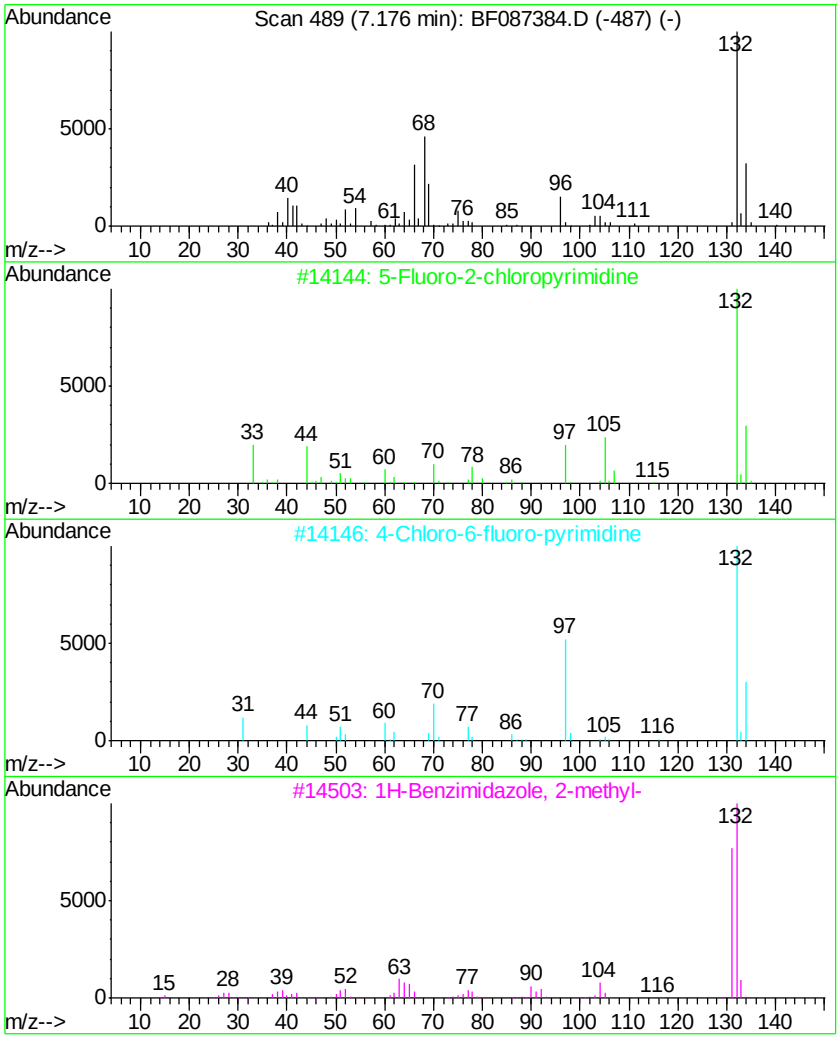
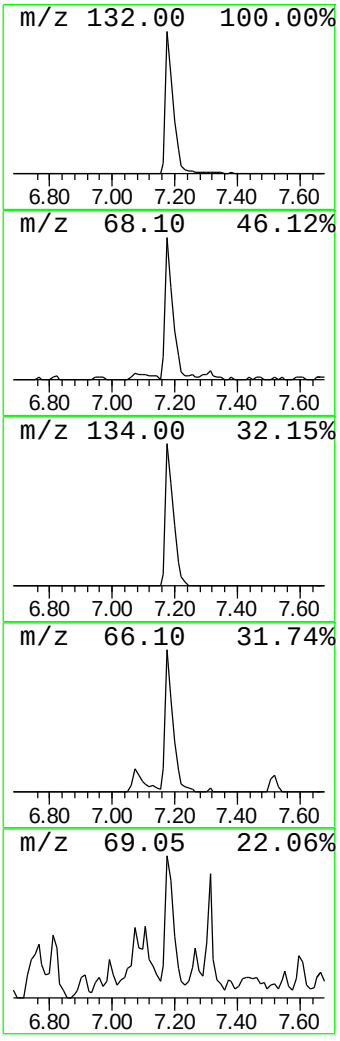
Peak Number 5 unknown7.18 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	8.36 ng	331052	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	12
5	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087384.D
Acq On : 25 May 2016 21:54
Operator : UM/SJ
Sample : H3242-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-11(5.5-6)

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

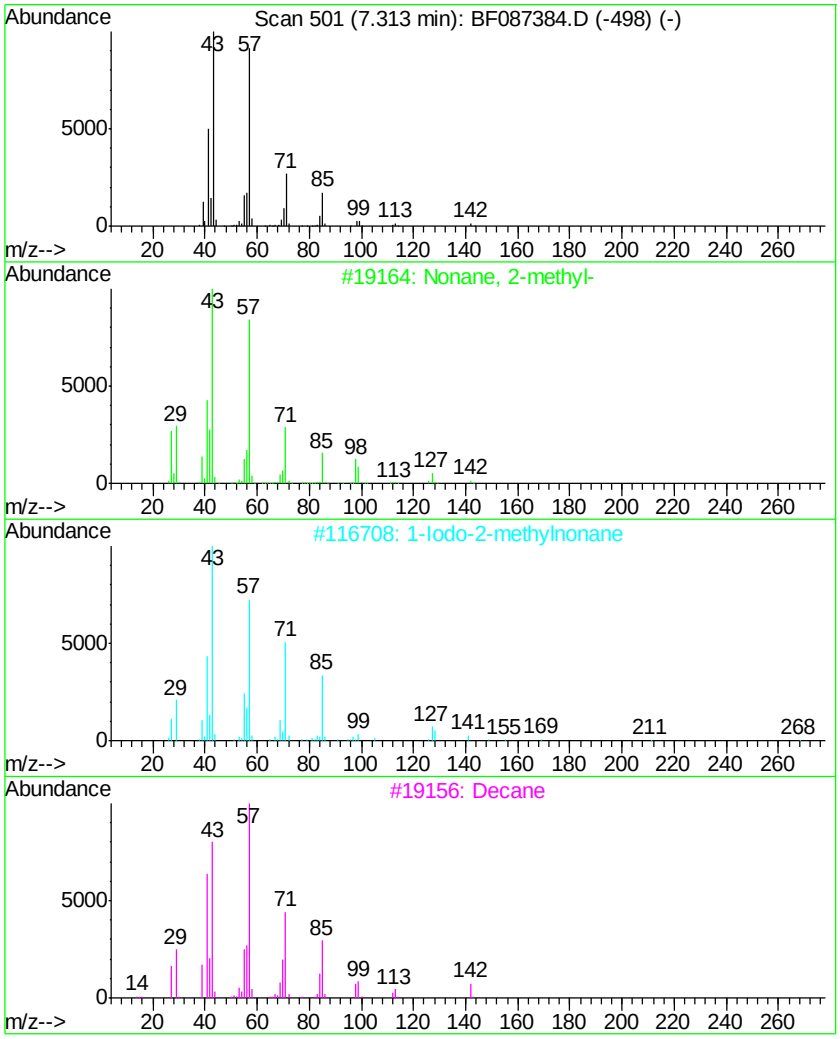
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

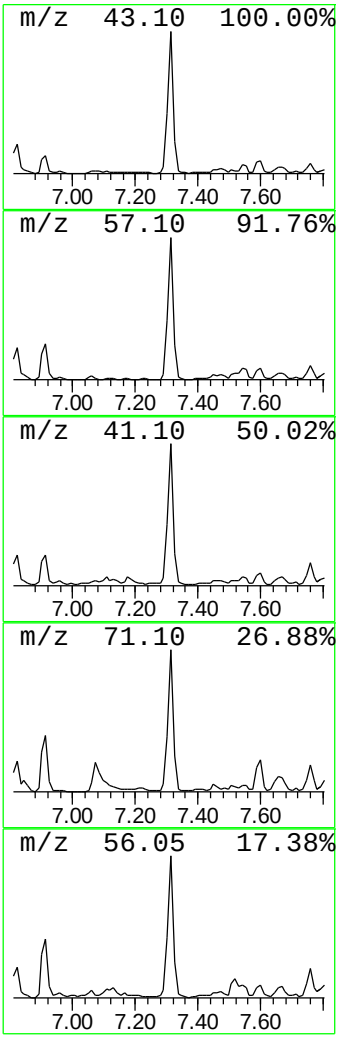
****

Peak Number 6 Nonane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.31	28.85 ng	1141880	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2-methyl-	142	C10H22	000871-83-0	80
2	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	59
3	Decane	142	C10H22	000124-18-5	53
4	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	53
5	Nonane, 4-methyl-	142	C10H22	017301-94-9	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087384.D
Acq On : 25 May 2016 21:54
Operator : UM/SJ
Sample : H3242-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-11(5.5-6)

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

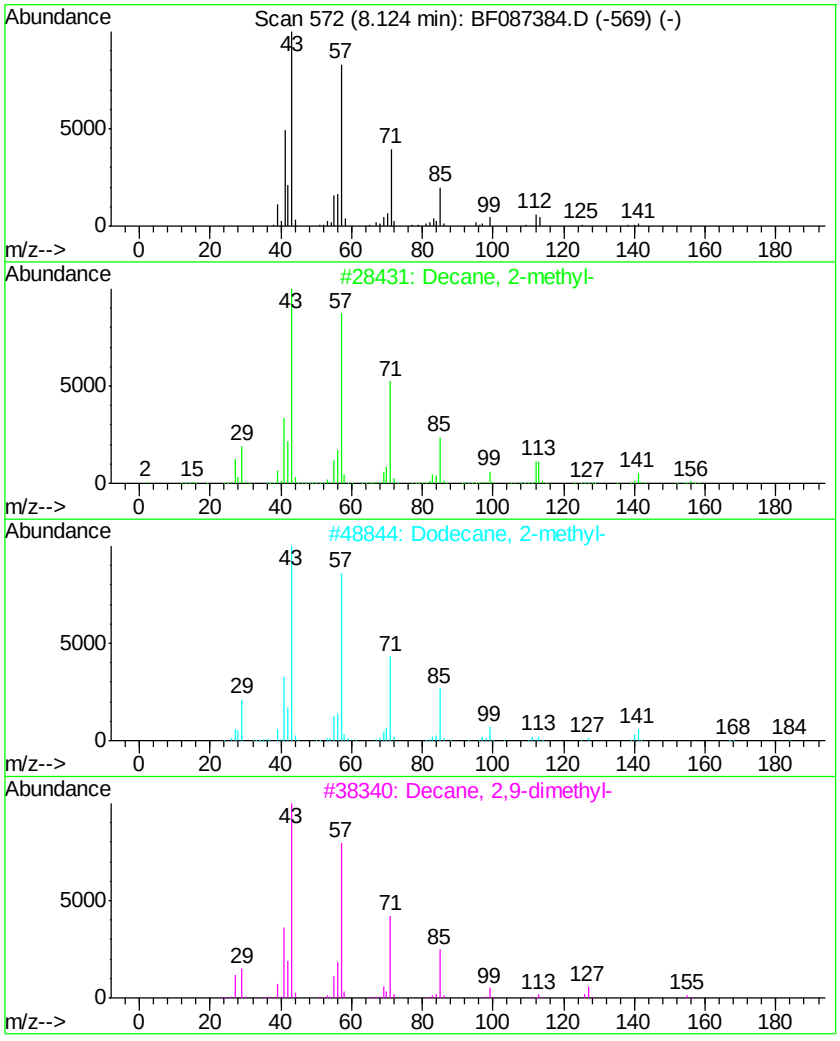
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

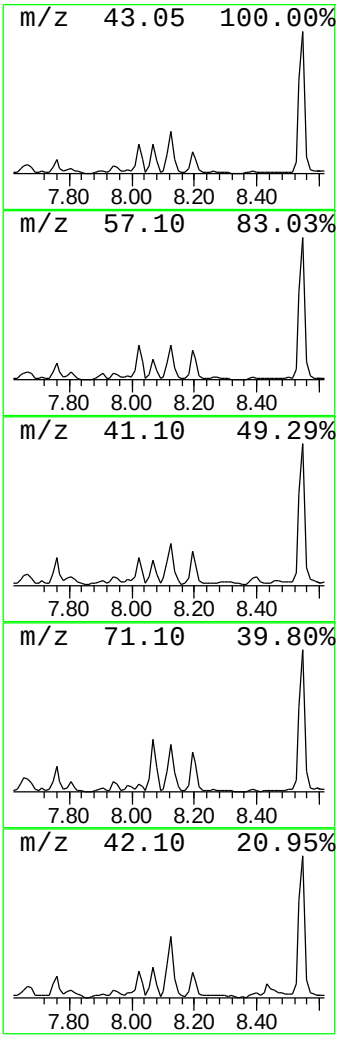
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	9.06 ng	358442	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	83
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	78
3	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	78
4	Undecane, 2-methyl-	170	C12H26	007045-71-8	78
5	Tridecane	184	C13H28	000629-50-5	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087384.D
Acq On : 25 May 2016 21:54
Operator : UM/SJ
Sample : H3242-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-11(5.5-6)

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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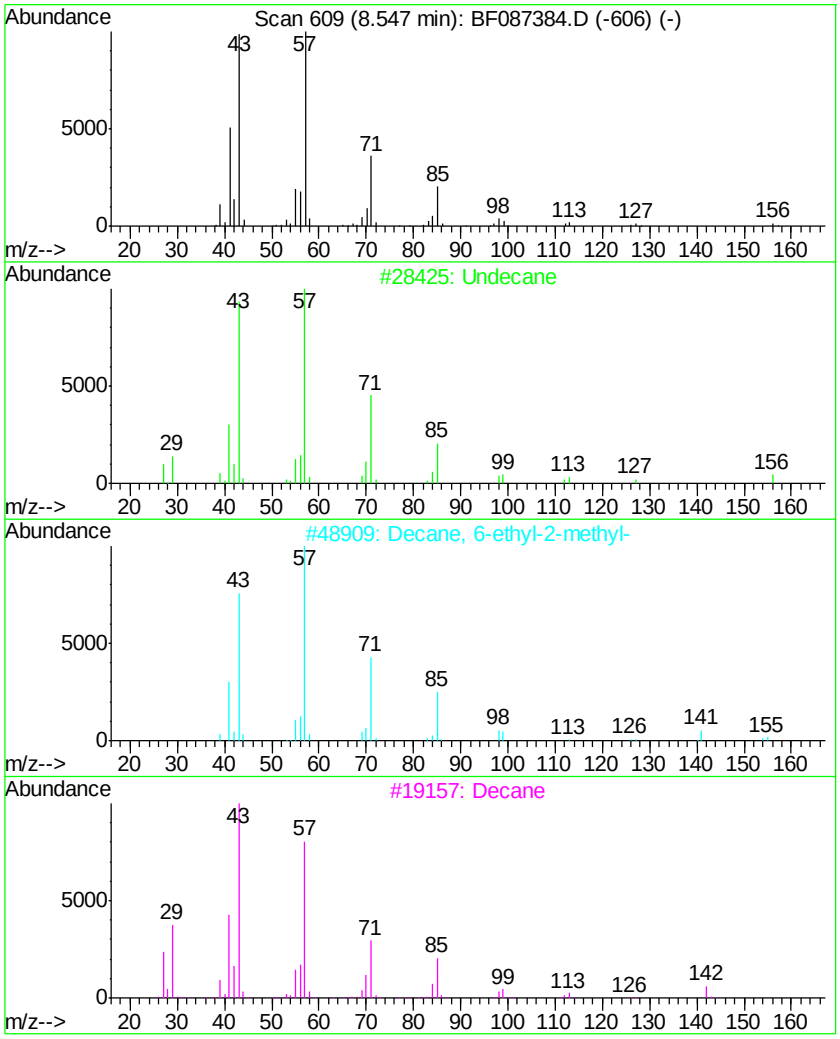
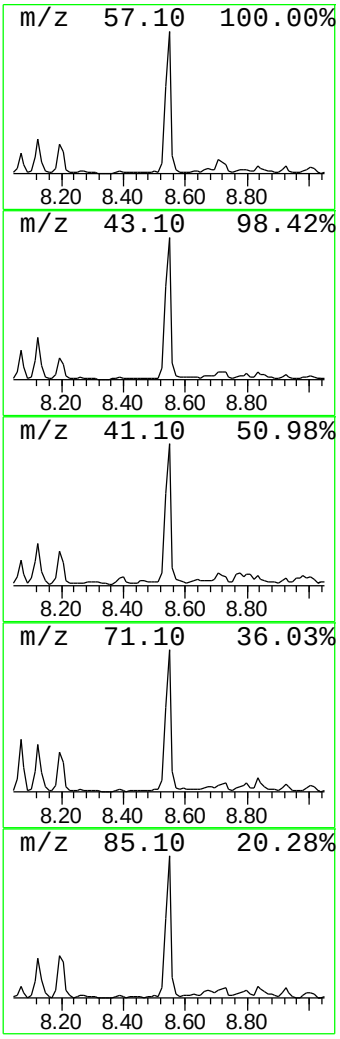
Peak Number 9 Undecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	19.69 ng	1071580	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	90
2	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	78
3	Decane	142	C10H22	000124-18-5	78
4	Hexadecane	226	C16H34	000544-76-3	78
5	Nonane	128	C9H20	000111-84-2	64





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Acq On : 25 May 2016 21:54
Operator : UM/SJ
Sample : H3242-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-11(5.5-6)

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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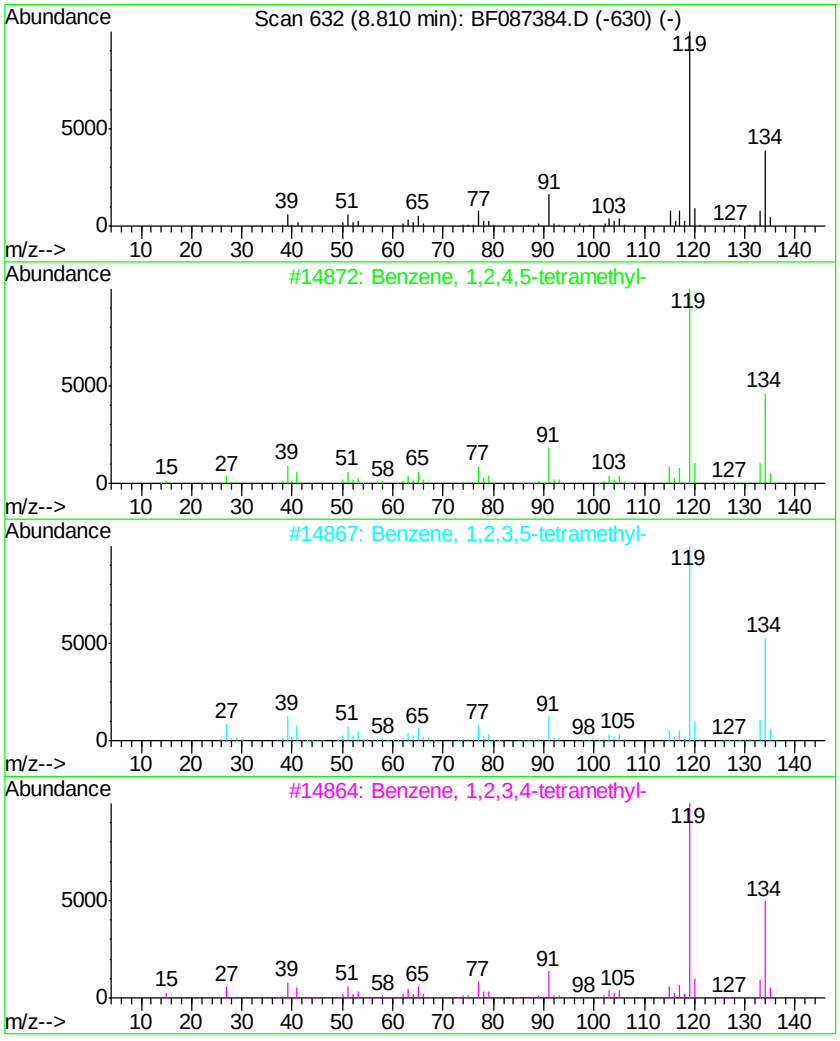
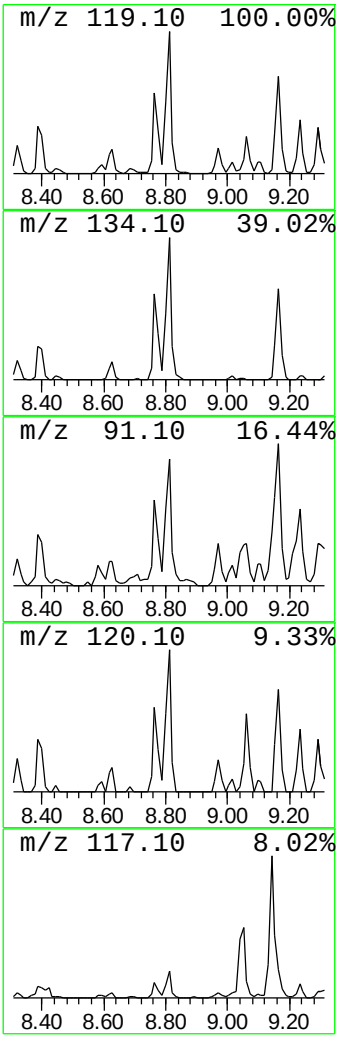
Peak Number 10 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	7.96 ng	433282	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	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





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Misc :
ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId : E-11(5.5-6)

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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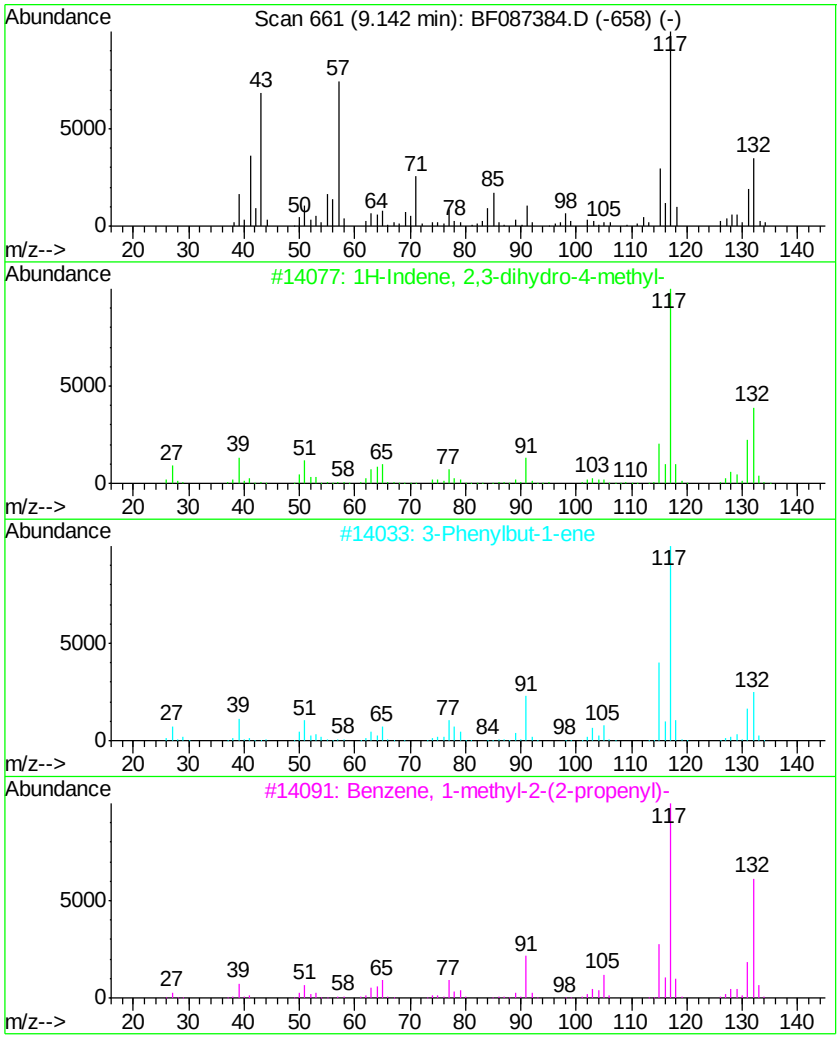
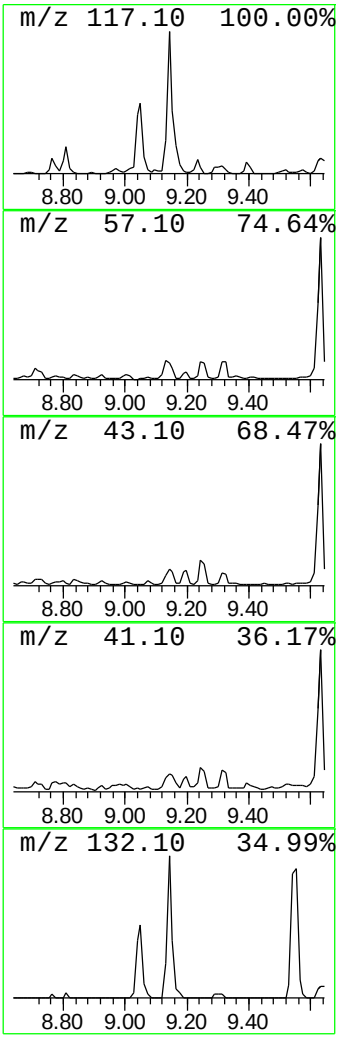
Peak Number 11 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.14	11.52 ng	626732	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	62
4	Indan, 1-methyl-	132	C10H12	000767-58-8	58
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	58





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Operator : UM/SJ
Sample : H3242-05 5X
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ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId : E-11(5.5-6)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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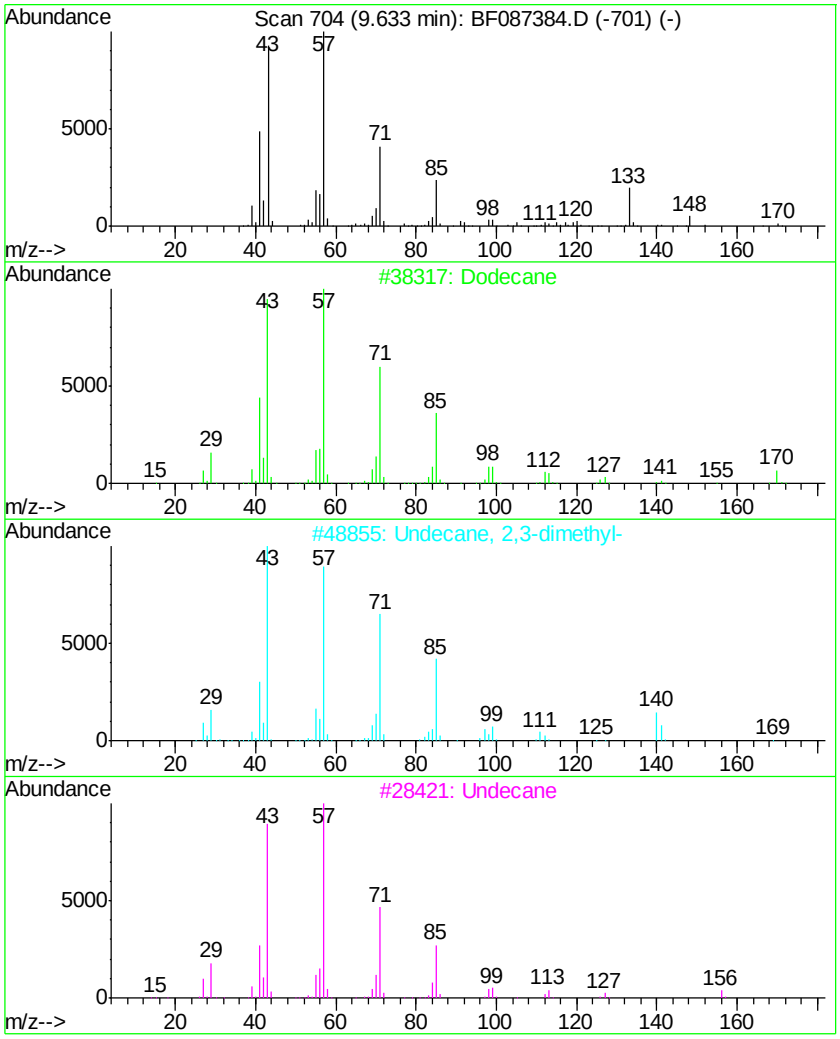
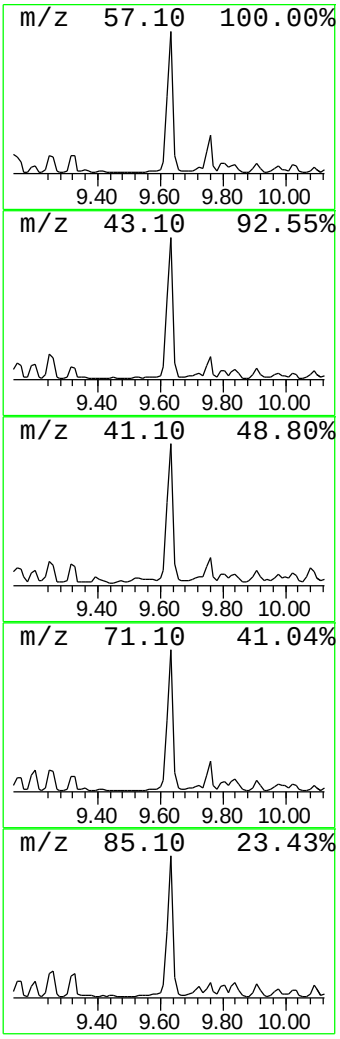
Peak Number 12 Dodecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	29.87 ng	1625530	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	76
2	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	64
3	Undecane	156	C11H24	001120-21-4	64
4	Hexadecane	226	C16H34	000544-76-3	64
5	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	59





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Sample : H3242-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-11(5.5-6)

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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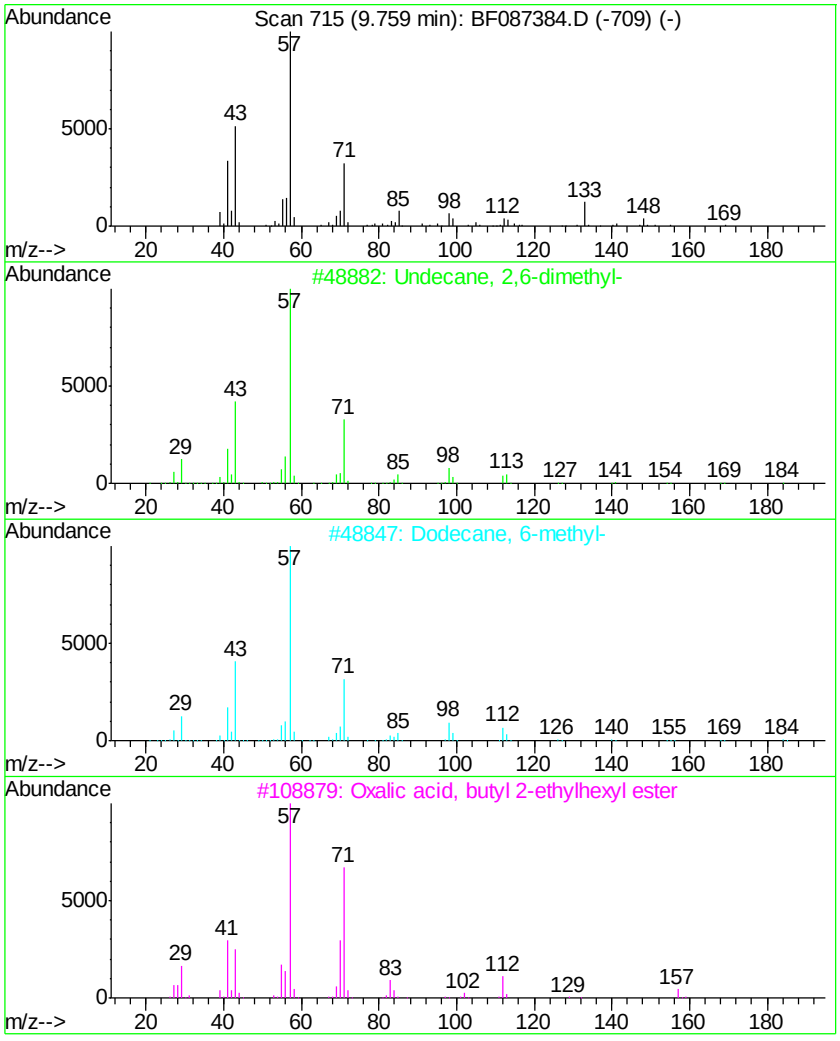
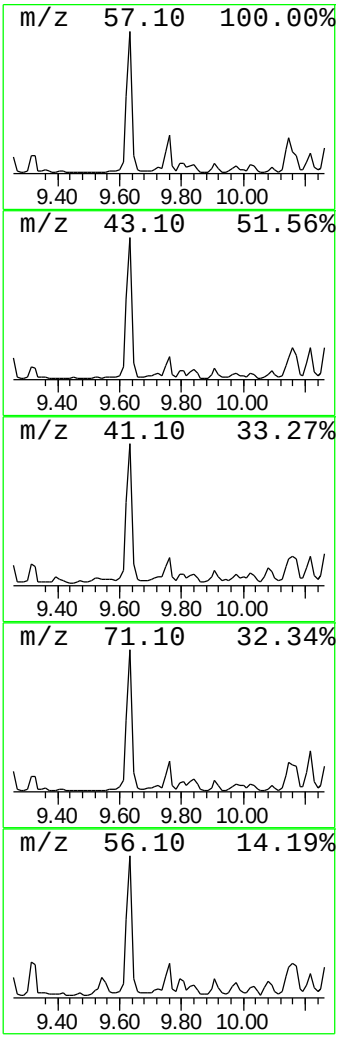
Peak Number 13 Undecane, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	8.07 ng	439088	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	64
2	Dodecane, 6-methyl-	184	C13H28	006044-71-9	53
3	Oxalic acid, butyl 2-ethylhexyl ...	258	C14H26O4	1000309-38-6	43
4	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43
5	Sulfurous acid, isobutyl pentyl ...	208	C9H20O3S	1000309-13-8	43





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Sample : H3242-05 5X
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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-11(5.5-6)

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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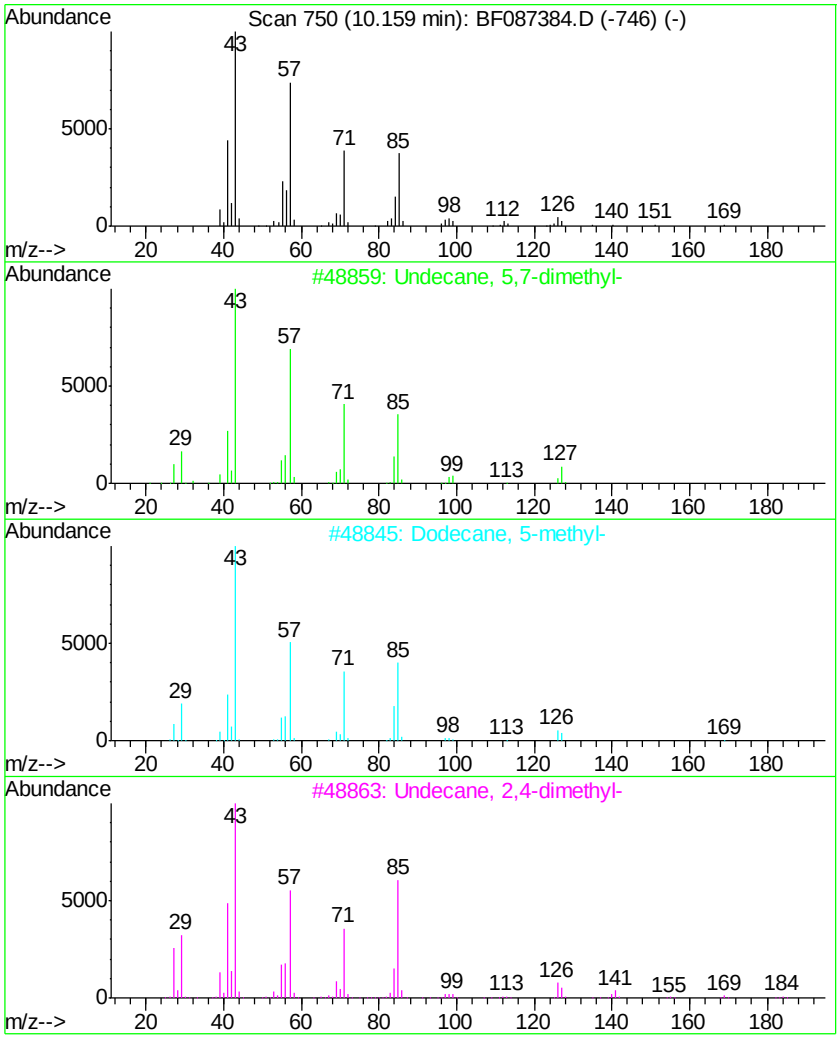
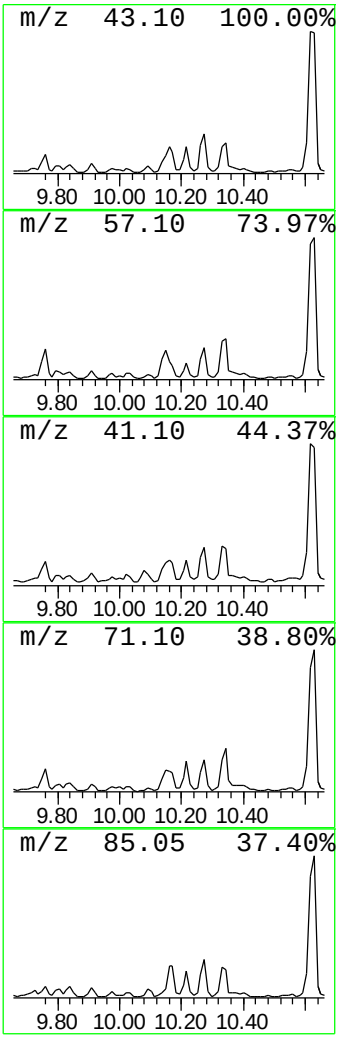
Peak Number 14 Undecane, 5,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	9.46 ng	515027	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	78
2	Dodecane, 5-methyl-	184	C13H28	017453-93-9	72
3	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	72
4	Decane, 1-iodo-	268	C10H21I	002050-77-3	64
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59





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Operator : UM/SJ
Sample : H3242-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-11(5.5-6)

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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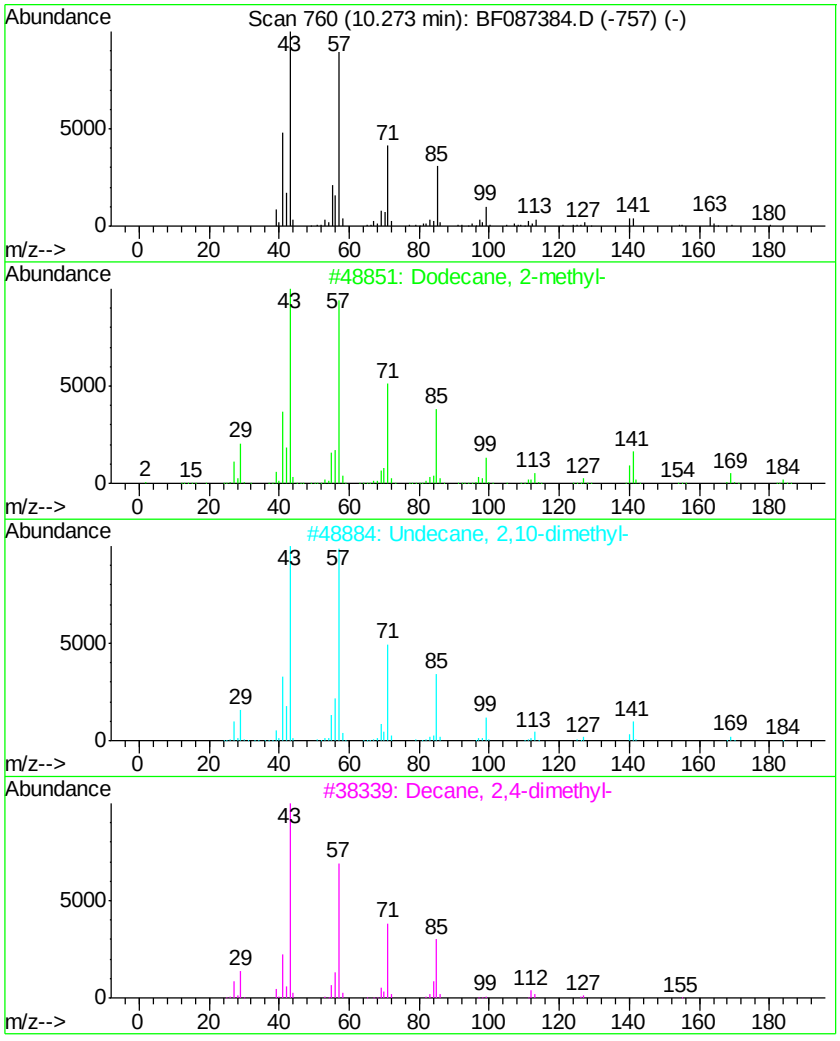
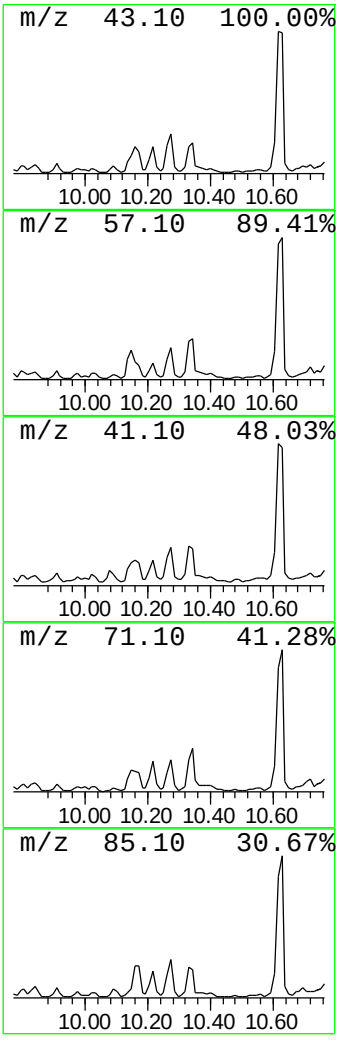
Peak Number 15 Dodecane, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	7.95 ng	432853	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-	184	C13H28	001560-97-0	90
2	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	78
3	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	64
4	Heneicosane	296	C21H44	000629-94-7	64
5	Hexadecane	226	C16H34	000544-76-3	64





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Sample : H3242-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-11(5.5-6)

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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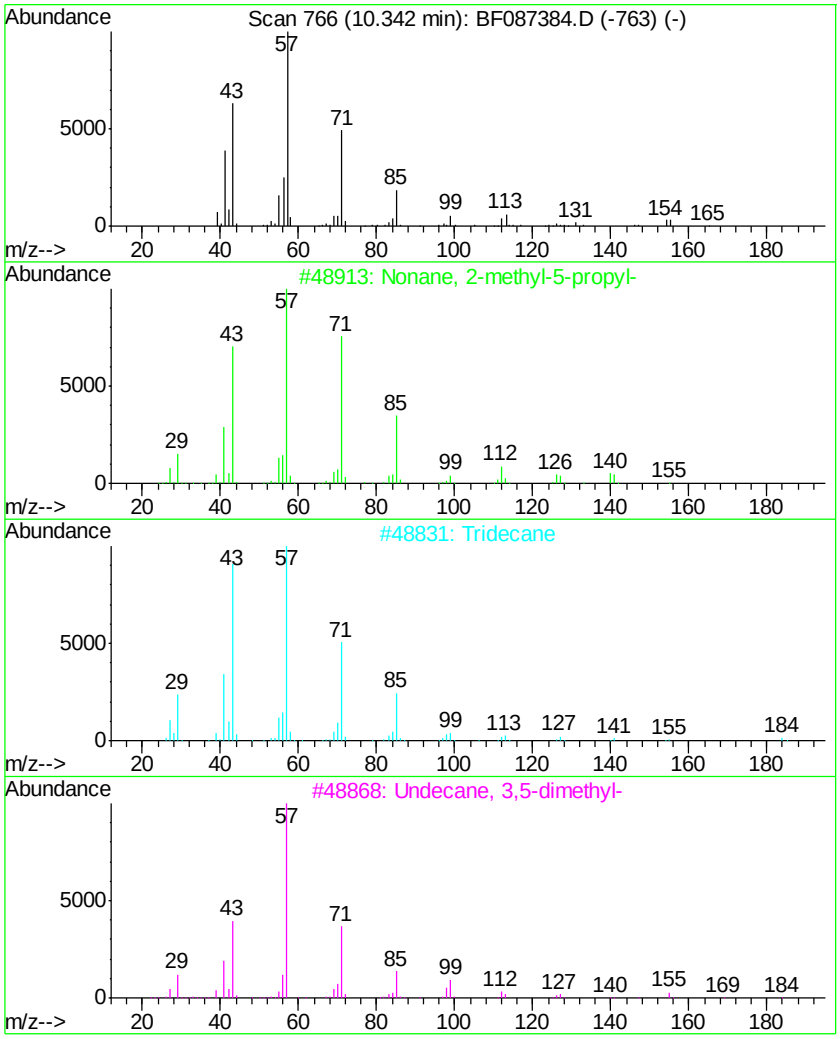
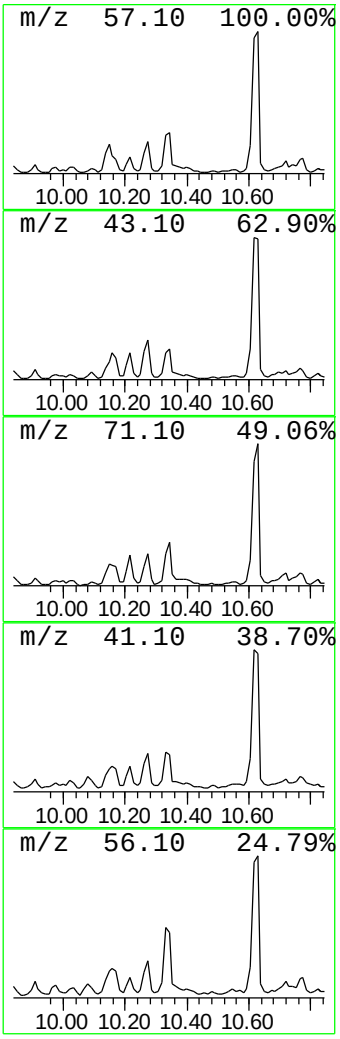
Peak Number 16 Nonane, 2-methyl-5-propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.34	10.31 ng	561254	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64
2	Tridecane	184	C13H28	000629-50-5	64
3	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	64
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	59
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59





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Sample : H3242-05 5X
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ALS Vial : 19 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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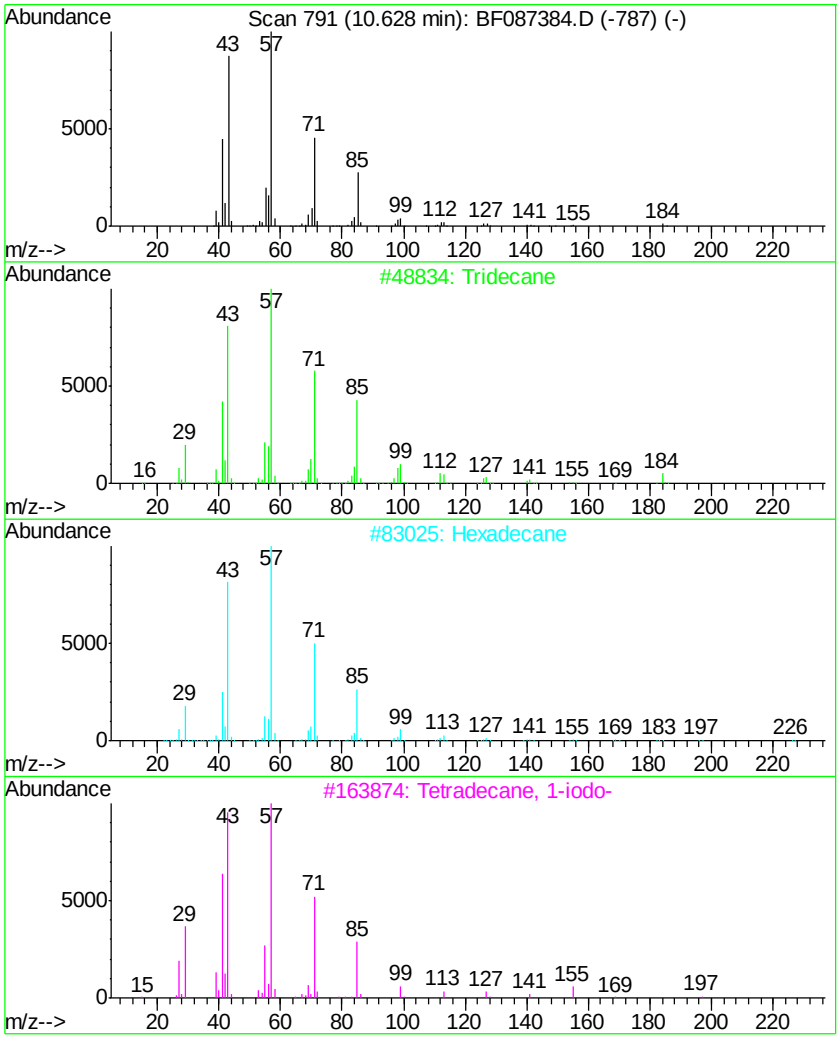
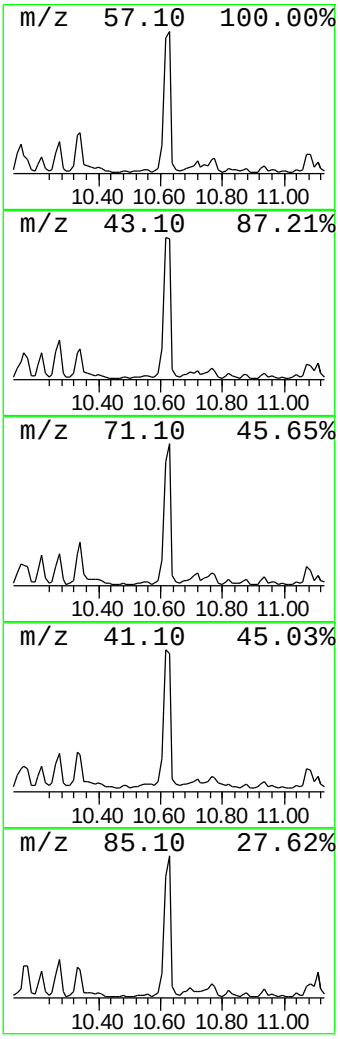
Peak Number 17 Tridecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	38.90 ng	2116780	Naphthalene-d8	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Hexadecane	226	C16H34	000544-76-3	91
3	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	80
4	Hexatriacontane	507	C36H74	000630-06-8	78
5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	78





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

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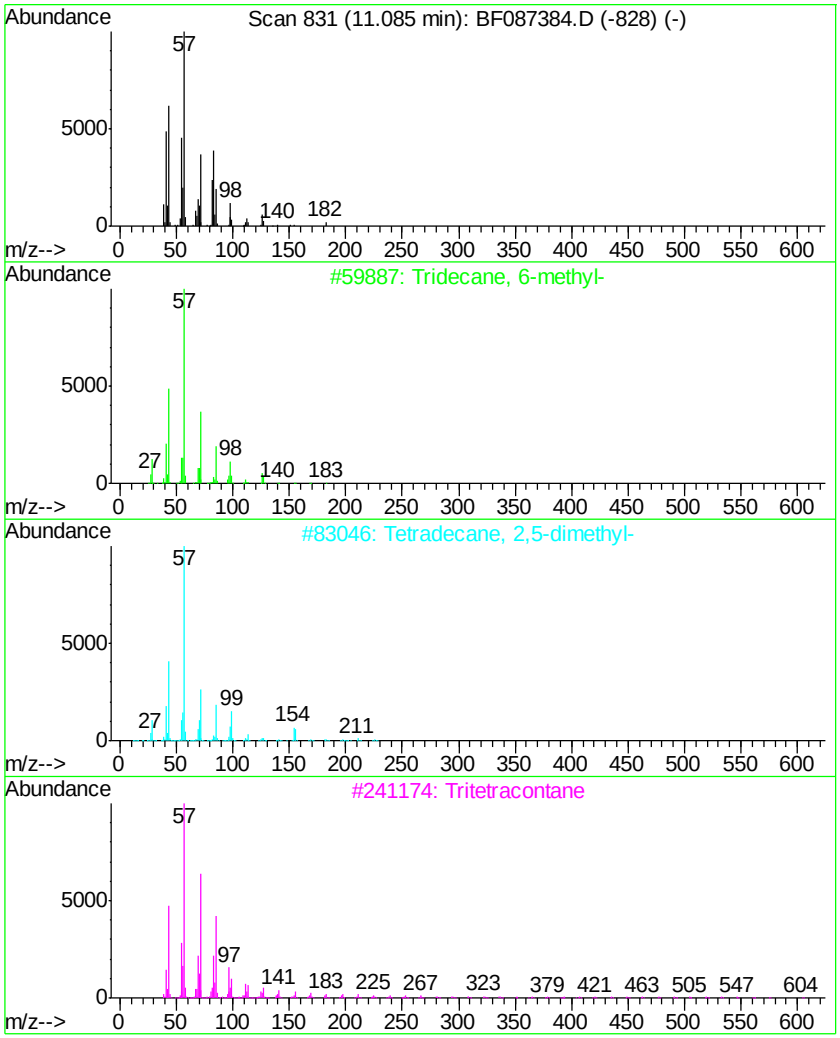
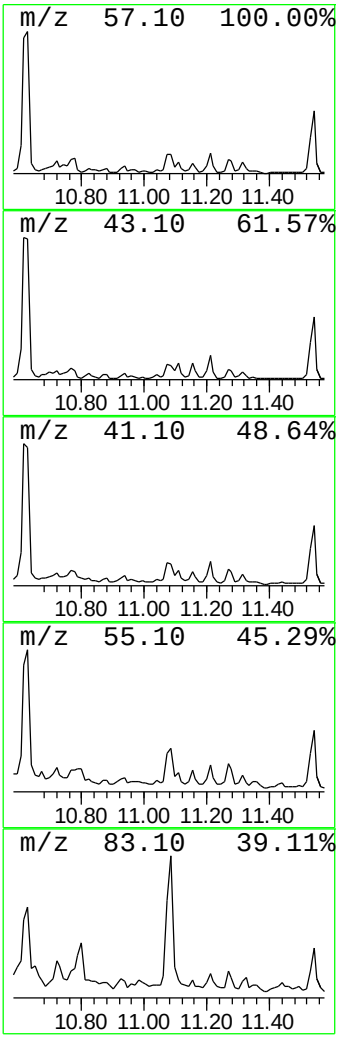
Peak Number 18 unknown11.08 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	11.19 ng	504191	Acenaphthene-d10	12.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	46
2	Tetradecane, 2,5-dimethyl-	226	C16H34	056292-69-4	43
3	Tritetracontane	605	C43H88	007098-21-7	43
4	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	38
5	Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	35





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Sample : H3242-05 5X
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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-11(5.5-6)

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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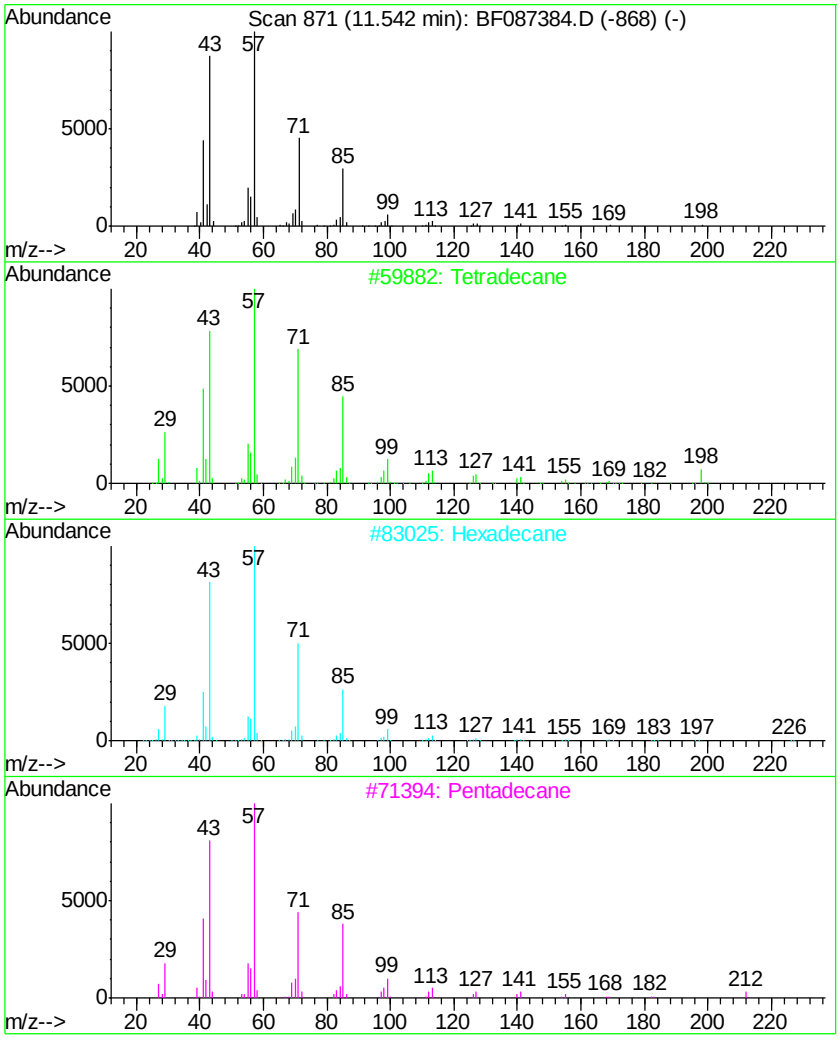
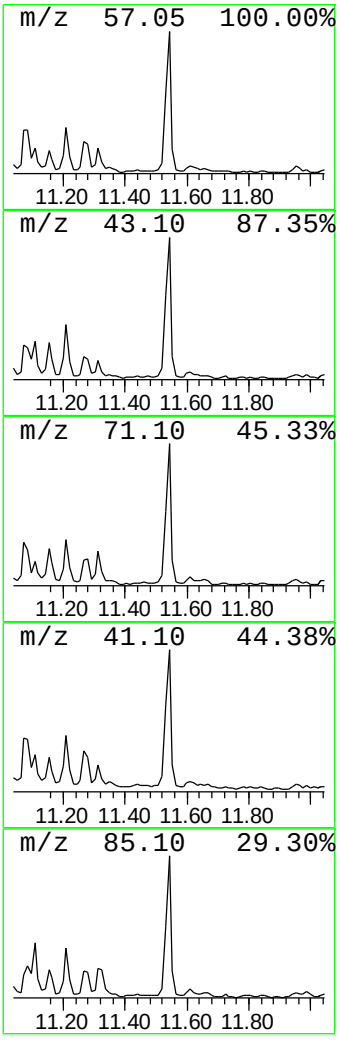
Peak Number 19 Tetradecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	16.34 ng	736075	Acenaphthene-d10	12.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	93
2	Hexadecane	226	C16H34	000544-76-3	91
3	Pentadecane	212	C15H32	000629-62-9	86
4	Undecane	156	C11H24	001120-21-4	80
5	Tridecane	184	C13H28	000629-50-5	78





Library Search Compound Report

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Data File : BF087384.D
Acq On : 25 May 2016 21:54
Operator : UM/SJ
Sample : H3242-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-11(5.5-6)

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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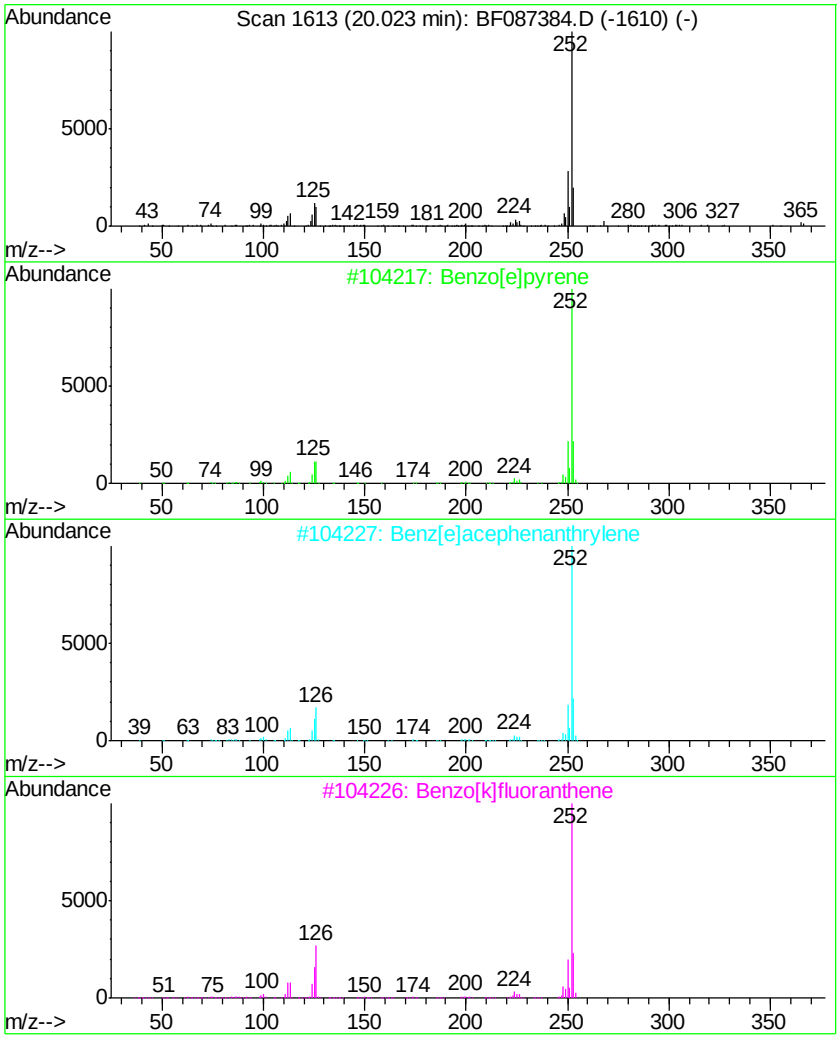
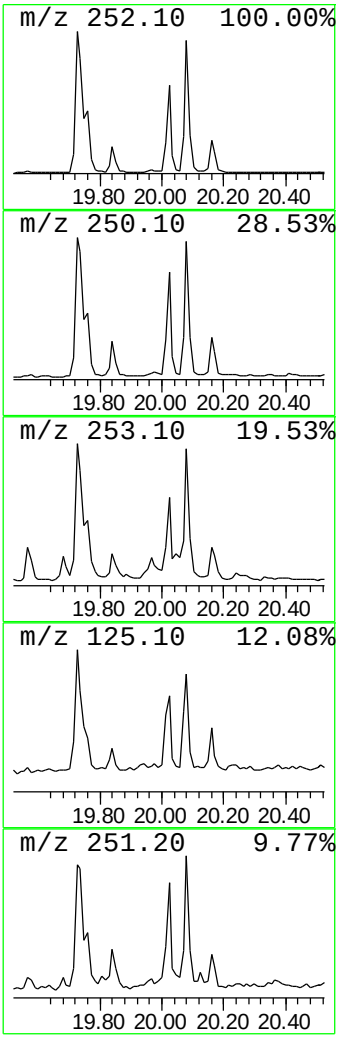
Peak Number 20 Benzo[e]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.02	7.81 ng	176412	Perylene-d12	20.14

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	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Tentatively Identified Compound (LSC) summary

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Data File : BF087384.D
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Operator : UM/SJ
Sample : H3242-05 5X
Misc :
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Instrument : BNA_F
ClientSampleId : E-11(5.5-6)

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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
1-Octanol, 2-butyl-	5.82	10.6	ng	418103	1	7.52	791671	20.0
Nonane, 3-methyl-	6.91	7.4	ng	293688	1	7.52	791671	20.0
unknown7.18	7.18	8.4	ng	331052	1	7.52	791671	20.0
Nonane, 2-methyl-	7.31	28.9	ng	1141880	1	7.52	791671	20.0
Decane, 2-methyl-	8.12	9.1	ng	358442	1	7.52	791671	20.0
Undecane	8.55	19.7	ng	1071580	2	9.55	1088450	20.0
Benzene, 1,2,4,5-...	8.81	8.0	ng	433282	2	9.55	1088450	20.0
1H-Indene, 2,3-di...	9.14	11.5	ng	626732	2	9.55	1088450	20.0
Dodecane	9.63	29.9	ng	1625530	2	9.55	1088450	20.0
Undecane, 2,6-dim...	9.76	8.1	ng	439088	2	9.55	1088450	20.0
Undecane, 5,7-dim...	10.16	9.5	ng	515027	2	9.55	1088450	20.0
Dodecane, 2-methyl-	10.27	8.0	ng	432853	2	9.55	1088450	20.0
Nonane, 2-methyl-...	10.34	10.3	ng	561254	2	9.55	1088450	20.0
Tridecane	10.63	38.9	ng	2116780	2	9.55	1088450	20.0
unknown11.08	11.08	11.2	ng	504191	3	12.38	900757	20.0
Tetradecane	11.54	16.3	ng	736075	3	12.38	900757	20.0
Benzo[e]pyrene	20.02	7.8	ng	176412	6	20.14	452015	20.0