LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080316\
Data File : BF089577.D
Acq On : 4 Aug 2016 3:50
Operator : UM/SJ
Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLSA-002(LEAF-MATERIAL)

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-BF080316.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	4.661	267	269	281	rBV	15758	34367	9.11%	0.519%
2	5.370	329	331	347	rBV	26078	112581	29.84%	1.700%
3	7.005	472	474	482	rBV	38177	126687	33.58%	1.913%
4	7.119	482	484	501	rVB	97305	221766	58.79%	3.348%
5	7.462	512	514	532	rBV	131596	237663	63.00%	3.589%
6	7.702	532	535	551	rVB	74608	136655	36.23%	2.063%
7	8.376	592	594	613	rBV	23282	86249	22.86%	1.302%
8	9.485	689	691	709	rBV	193379	343160	90.97%	5.181%
9	11.268	845	847	854	rBV	132932	168938	44.78%	2.551%
10	11.965	906	908	910	rBV	22506	32084	8.50%	0.484%
11	12.308	936	938	947	rBV	235244	377238	100.00%	5.696%
12	13.531	1039	1045	1047	rBV	6238	16482	4.37%	0.249%
13	13.599	1049	1051	1060	rVV	49834	83376	22.10%	1.259%
14	13.965	1079	1083	1086	rBV	11716	21710	5.75%	0.328%
15	14.708	1146	1148	1150	rBV	219615	296392	78.57%	4.475%
16	14.742	1150	1151	1159	rVB	49179	91409	24.23%	1.380%
17	15.508	1216	1218	1220	rBV	22308	31792	8.43%	0.480%
18	15.554	1220	1222	1227	rVB	27782	42549	11.28%	0.642%
19	15.657	1228	1231	1233	rBV	30346	53732	14.24%	0.811%
20	15.703	1233	1235	1241	rVB2	22611	45936	12.18%	0.694%
21	16.320	1286	1289	1290	rBV	34786	44735	11.86%	0.675%
22	16.354	1290	1292	1295	rVV3	23001	46726	12.39%	0.706%
23	16.434	1297	1299	1302	rVB3	20871	31263	8.29%	0.472%
24	16.514	1304	1306	1310	rBV	66106	81806	21.69%	1.235%
25	16.811	1330	1332	1336	rVB	96492	123042	32.62%	1.858%
26	16.937	1341	1343	1345	rBV	12614	18190	4.82%	0.275%
27	17.063	1352	1354	1358	rVB	78576	121339	32.17%	1.832%
28	17.154	1359	1362	1364	rBV2	16440	34090	9.04%	0.515%
29	17.280	1369	1373	1376	rVV3	17101	53691	14.23%	0.811%
30	17.417	1383	1385	1389	rBV2	17165	41169	10.91%	0.622%
31	17.531	1393	1395	1397	rVV	23521	30098	7.98%	0.454%
32	17.806	1417	1419	1423	rVB4	34023	56381	14.95%	0.851%
33	17.886	1424	1426	1428	rVV2	13466	15606	4.14%	0.236%
34	18.069	1440	1442	1443	rBV	78972	99402	26.35%	1.501%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080316\
Data File : BF089577.D
Acq On : 4 Aug 2016 3:50
Operator : UM/SJ
Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLSA-002(LEAF-MATERIAL)

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-BF080316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.103	1443	1445	1448	rVV3	57822	124772	33.08%	1.884%
36	18.183	1450	1452	1455	rVB	111899	135810	36.00%	2.051%
37	18.297	1460	1462	1464	rVV2	55464	82337	21.83%	1.243%
38	18.354	1464	1467	1468	rVV2	52613	86571	22.95%	1.307%
39	18.400	1469	1471	1478	rVV	176551	374943	99.39%	5.661%
40	18.537	1481	1483	1486	rBV4	18575	36531	9.68%	0.552%
41	19.086	1529	1531	1533	rBV2	20316	32684	8.66%	0.494%
42	19.131	1533	1535	1539	rVB	48755	79625	21.11%	1.202%
43	19.646	1578	1580	1581	rBV	36517	44085	11.69%	0.666%
44	19.852	1595	1598	1600	rBV	162716	218605	57.95%	3.301%
45	19.966	1606	1608	1610	rBV	31376	45526	12.07%	0.687%
46	20.023	1610	1613	1615	rVV2	38764	79508	21.08%	1.201%
47	20.069	1615	1617	1624	rVV	216312	333664	88.45%	5.038%
48	20.172	1624	1626	1630	rVB3	27163	43937	11.65%	0.663%
49	20.354	1639	1642	1646	rVB	125281	185207	49.10%	2.796%
50	20.537	1656	1658	1661	rVB	85059	115175	30.53%	1.739%
51	20.583	1661	1662	1664	rVV2	25977	48617	12.89%	0.734%
52	20.629	1664	1666	1672	rVB	71299	151202	40.08%	2.283%
53	20.720	1672	1674	1681	rVB2	26907	65057	17.25%	0.982%
54	20.960	1693	1695	1698	rVB	77109	105523	27.97%	1.593%
55	21.155	1708	1712	1720	rVB	117243	229540	60.85%	3.466%
56	21.406	1730	1734	1736	rBV4	24623	64465	17.09%	0.973%
57	21.463	1736	1739	1742	rBV3	29572	62638	16.60%	0.946%
58	21.715	1758	1761	1764	rBV4	20920	41937	11.12%	0.633%
59	21.806	1765	1769	1773	rBV4	26832	95298	25.26%	1.439%
60	22.080	1790	1793	1801	rVB4	57902	153048	40.57%	2.311%
61	22.217	1802	1805	1807	rBV3	28752	67242	17.82%	1.015%
62	23.212	1888	1892	1901	rVB2	57542	161046	42.69%	2.432%

Sum of corrected areas: 6622897

LSC Report - Integrated Chromatogram

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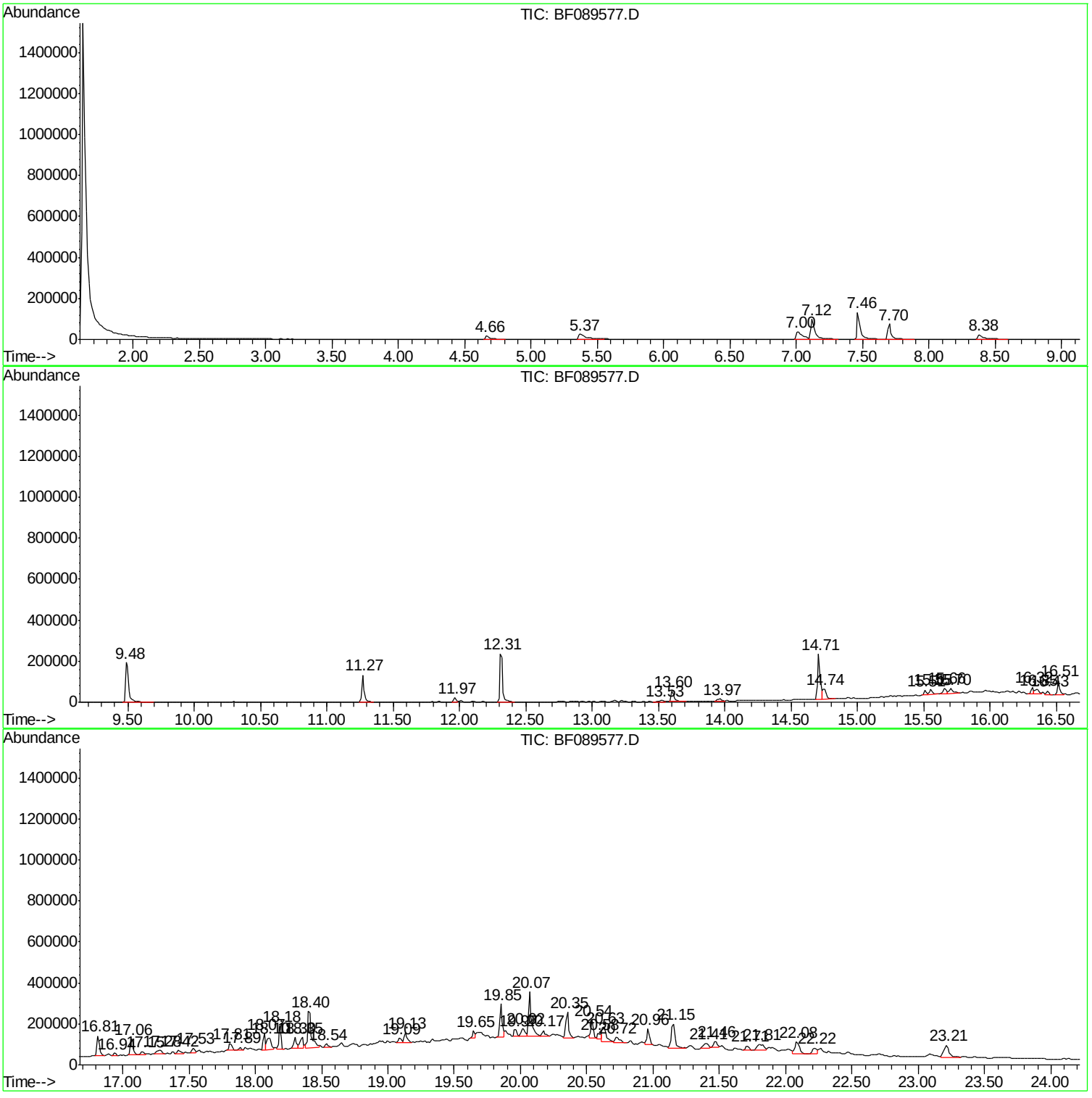
Data File : BF089577.D
Acq On : 4 Aug 2016 3:50
Operator : UM/SJ
Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PLSA-002(LEAF-MATERIAL)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080316.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\BF080316\
Data File : BF089577.D
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Operator : UM/SJ
Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLSA-002(LEAF-MATERIAL)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

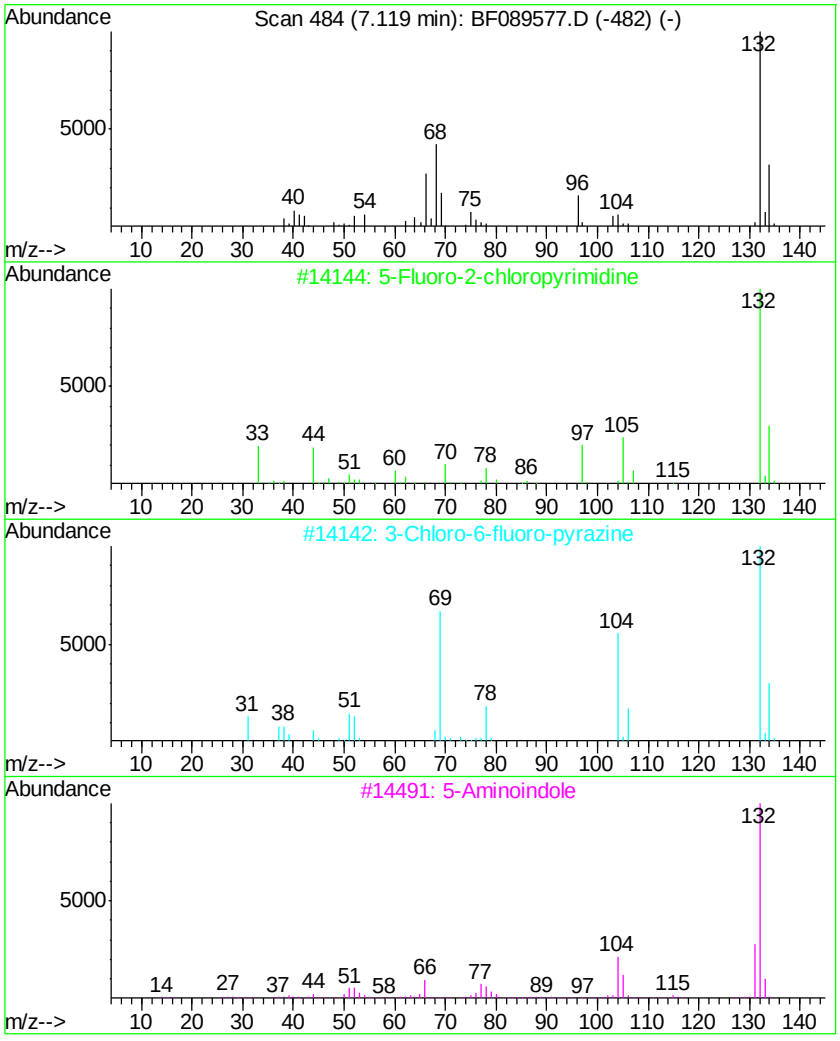
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

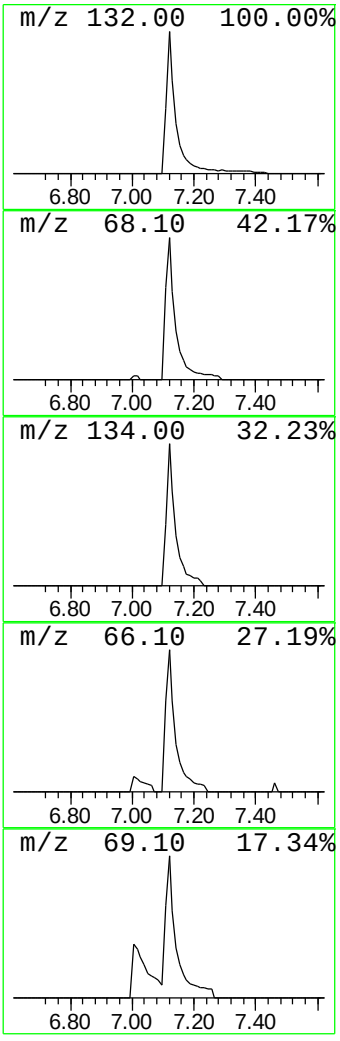
****

Peak Number 1 unknown7.12 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	18.66 ng	221766	1,4-Dichlorobenzene-d4	7.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	10
4	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	10
5	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	10





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Data File : BF089577.D
Acq On : 4 Aug 2016 3:50
Operator : UM/SJ
Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLSA-002(LEAF-MATERIAL)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

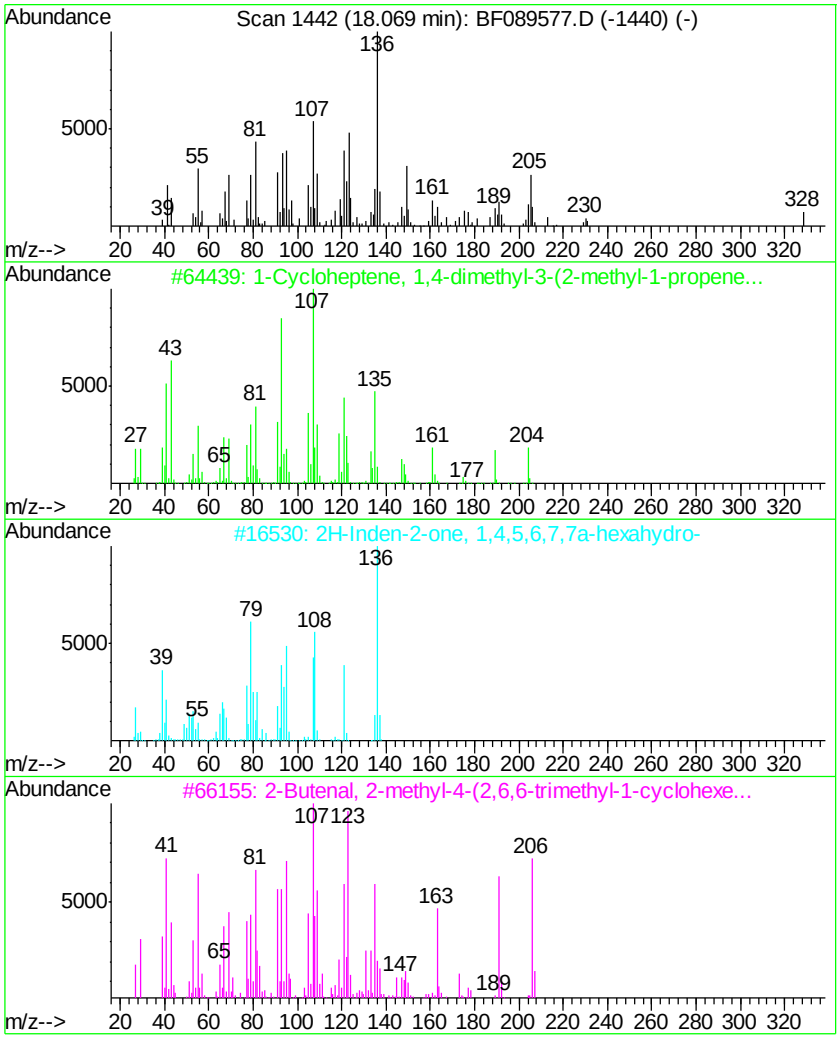
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

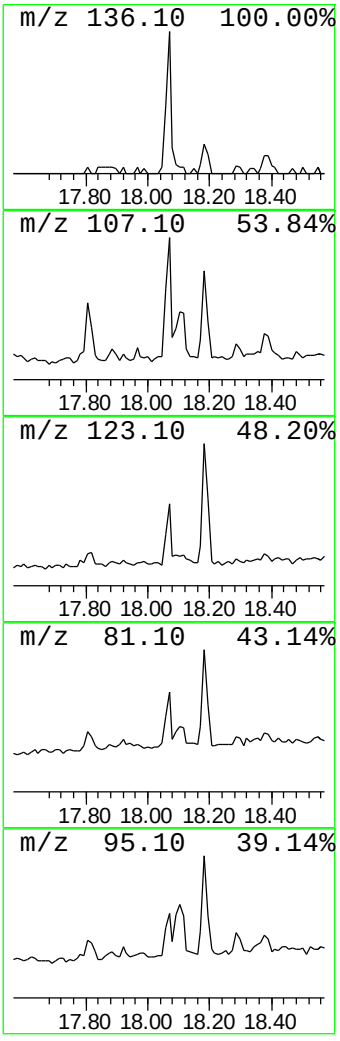
****

Peak Number 3 1-Cycloheptene, 1,4-dimethy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	5.30 ng	99402	Chrysene-d12	18.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cycloheptene, 1,4-dimethyl-3-(...	204	C15H24	1000159-38-6	53
2	2H-Inden-2-one, 1,4,5,6,7,7a-hex...	136	C9H12O	039163-29-6	49
3	2-Butenal, 2-methyl-4-(2,6,6-tri...	206	C14H22O	003155-71-3	41
4	Benzenemethanol, 4-ethyl-	136	C9H12O	000768-59-2	30
5	Benzenemethanol, 3,5-dimethyl-	136	C9H12O	027129-87-9	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080316\
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Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLSA-002(LEAF-MATERIAL)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080316.M
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TIC Library : C:\Database\NIST11.L
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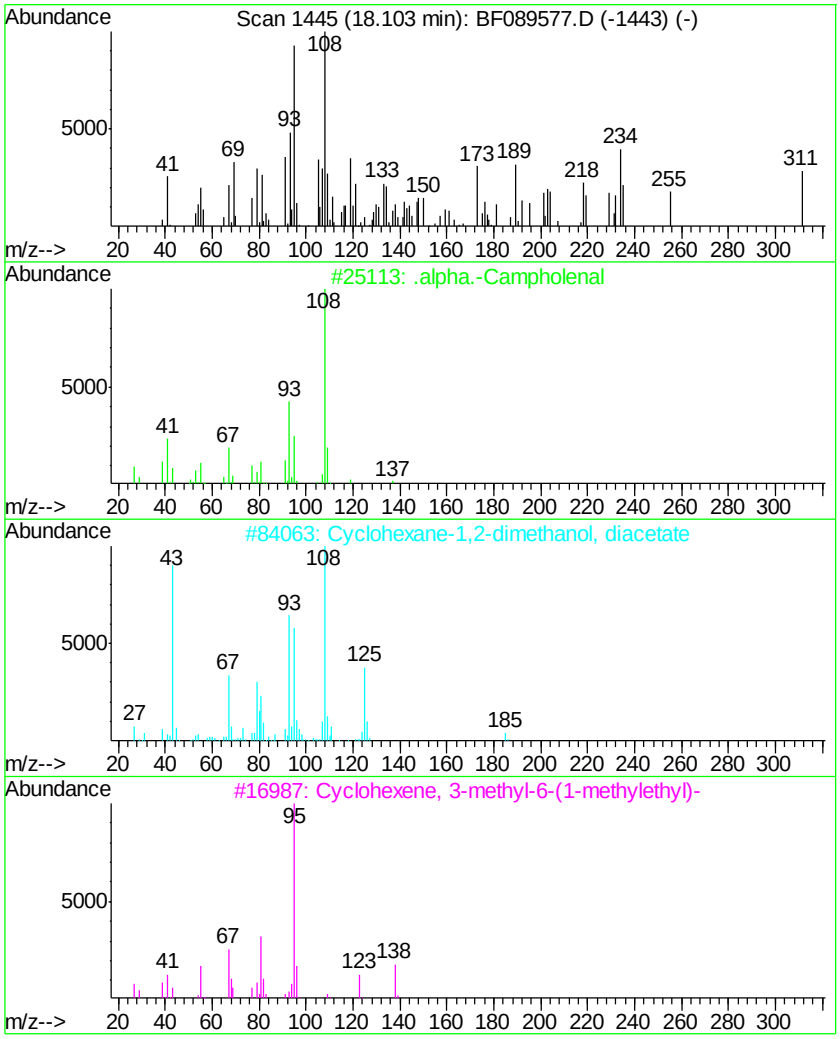
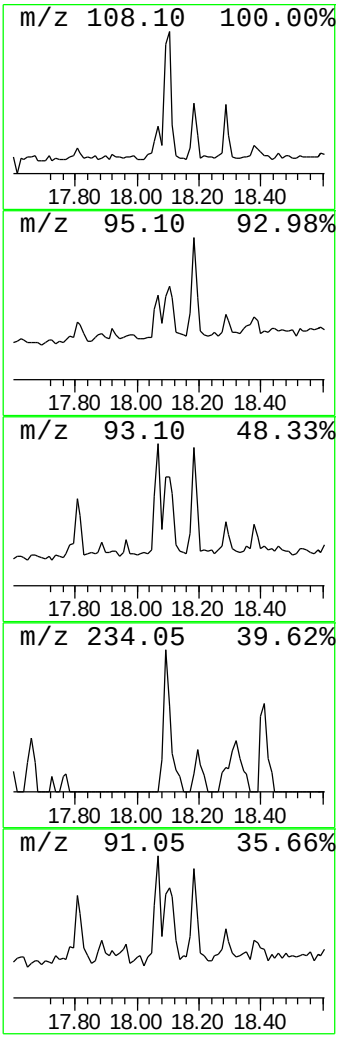
Peak Number 4 unknown18.10 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	6.66 ng	124772	Chrysene-d12	18.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Campholenal	152	C10H16O	004501-58-0	14
2	Cyclohexane-1,2-dimethanol, diac...	228	C12H20O4	098516-00-8	12
3	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	11
4	6-Methyl-2-heptyne	110	C8H14	051065-64-6	11
5	Benzene, 1-methyl-4-(2-pentenylo...	176	C12H16O	156089-29-1	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080316\
Data File : BF089577.D
Acq On : 4 Aug 2016 3:50
Operator : UM/SJ
Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PLSA-002(LEAF-MATERIAL)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080316.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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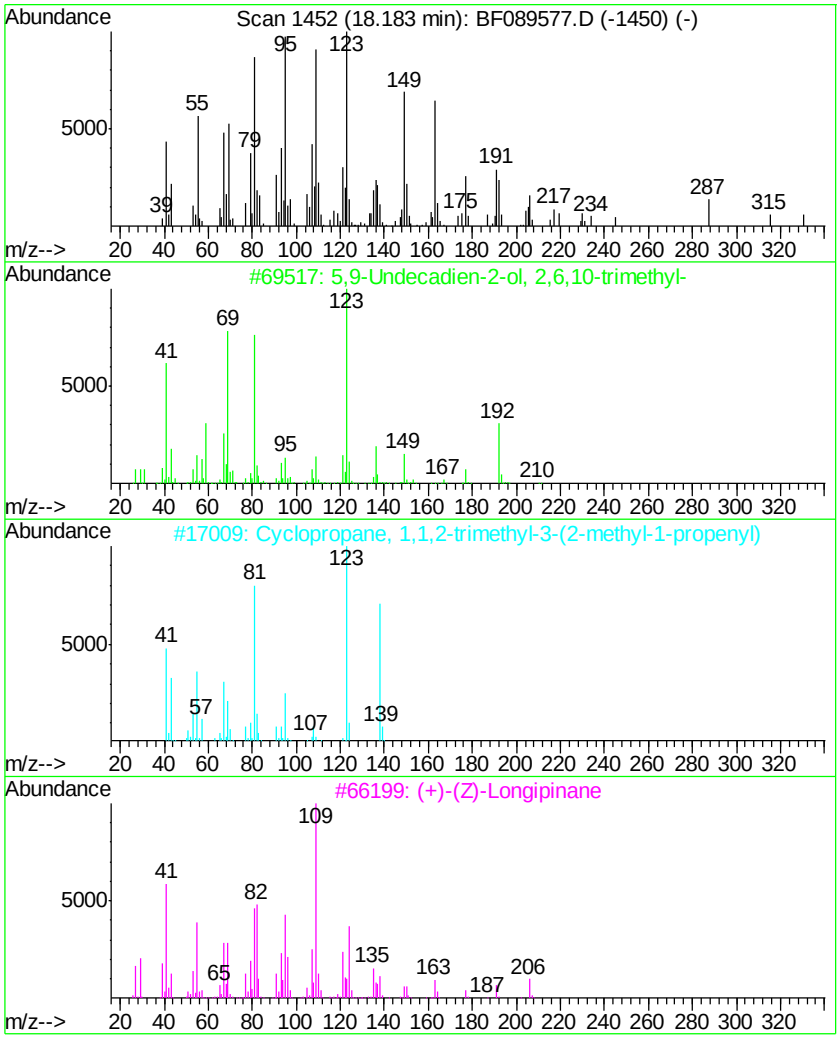
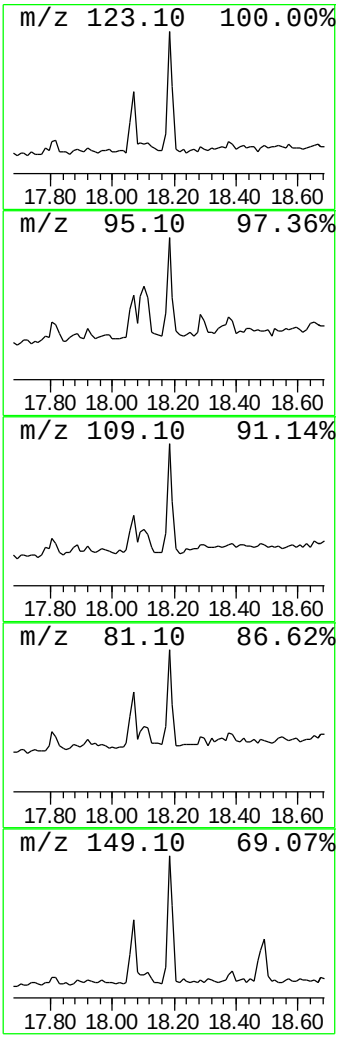
Peak Number 5 unknown18.18 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	7.24 ng	135810	Chrysene-d12	18.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,9-Undecadien-2-ol, 2,6,10-trim...	210	C14H26O	021980-62-1	35
2	Cyclopropane, 1,1,2-trimethyl-3-...	138	C10H18	054764-57-7	27
3	(+)-(Z)-Longipinane	206	C15H26	1000156-12-3	25
4	Benzamide, 4-fluoro-N-(3-butoxyp...	287	C17H18FNO2	313276-40-3	25
5	Hexahydroindole	123	C8H13N	018159-32-5	25





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Acq On : 4 Aug 2016 3:50
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Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLSA-002(LEAF-MATERIAL)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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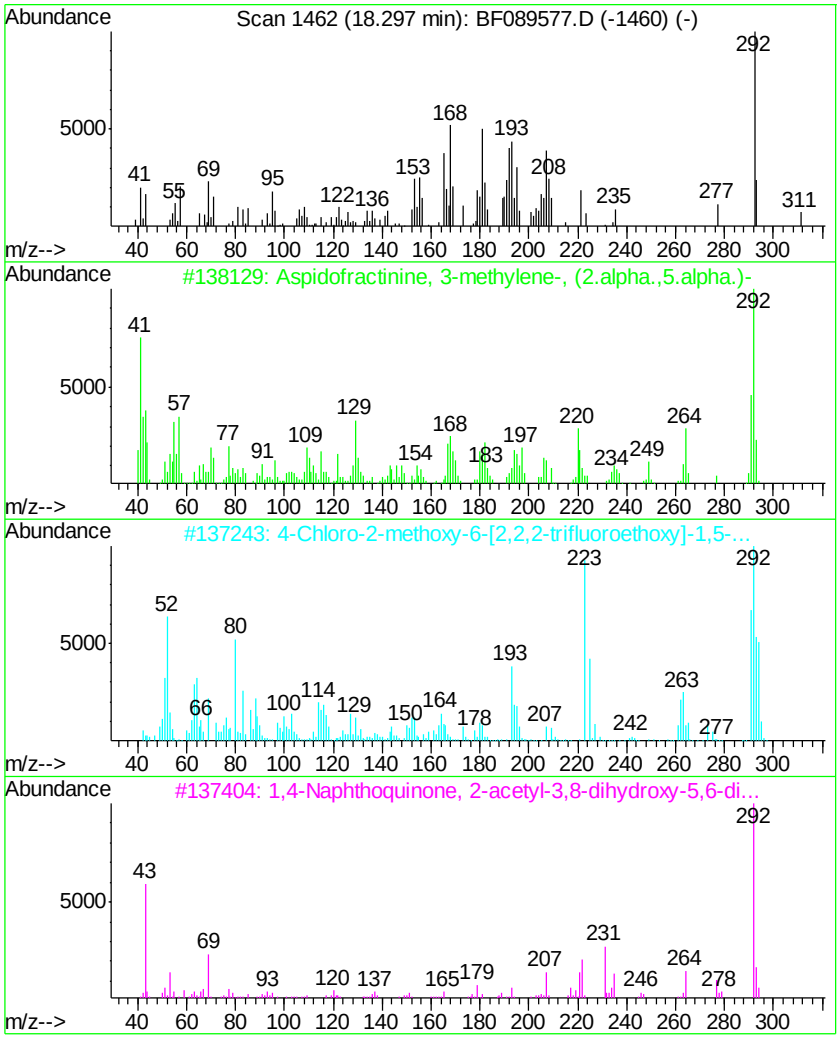
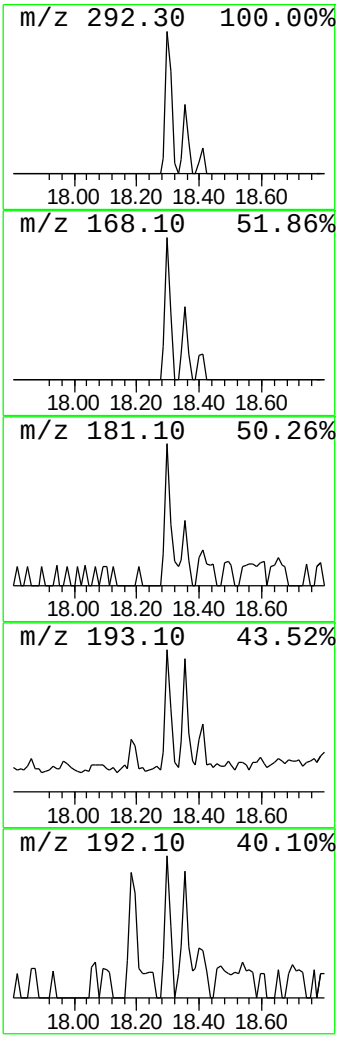
Peak Number 6 unknown18.30 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	4.39 ng	82337	Chrysene-d12	18.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Aspidofractinine, 3-methylene-, ...	292	C20H24N2	055103-49-6	38
2	4-Chloro-2-methoxy-6-[2,2,2-trif...	292	C11H8ClF3N2O2	1000214-39-8	25
3	1,4-Naphthoquinone, 2-acetyl-3,8...	292	C14H12O7	014090-53-0	22
4	Dibenzimidazole[1,2-c:1,2-f]5-th...	292	C15H8N4OS	1000211-46-2	22
5	C-Nor-5.beta.,13.alpha.-androsta...	292	C18H28O3	013976-73-3	22





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Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLSA-002(LEAF-MATERIAL)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080316.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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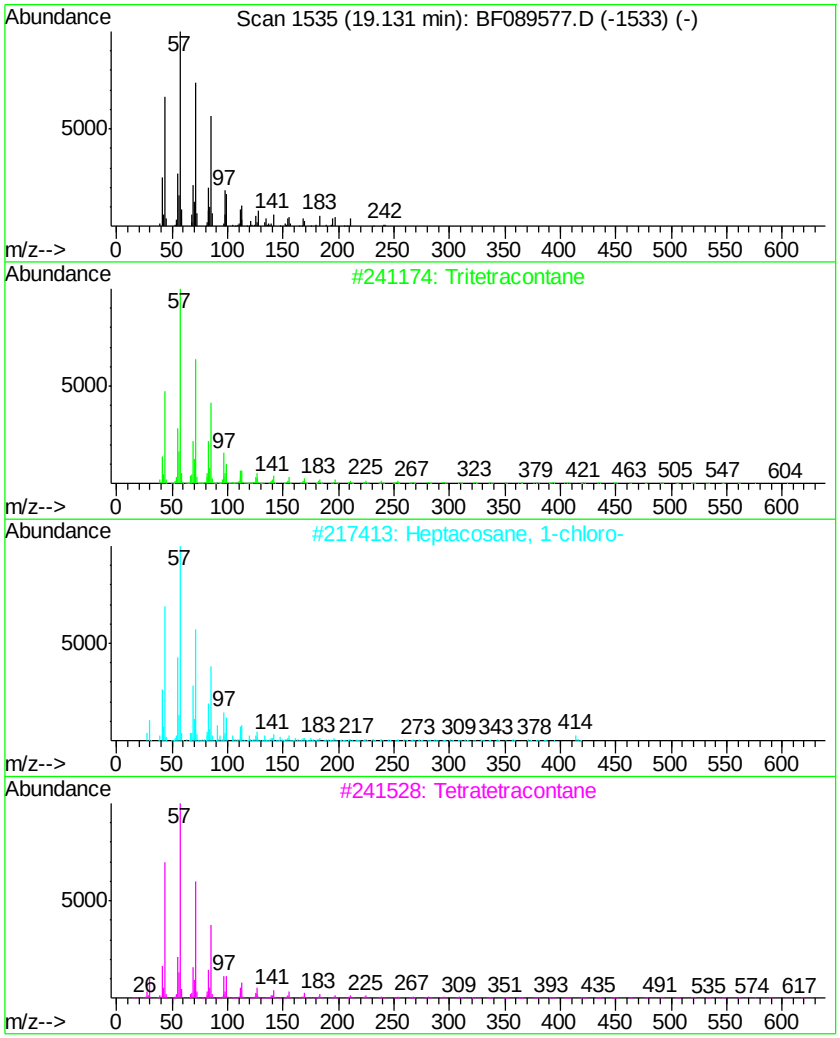
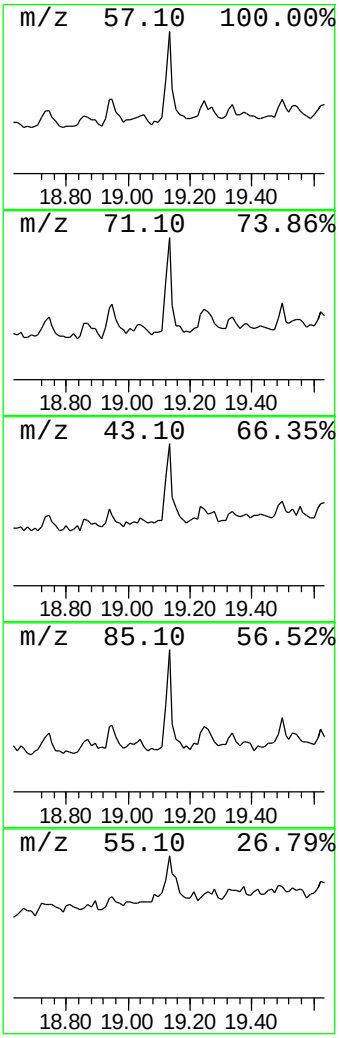
Peak Number 7 Tritetracontane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	4.25 ng	79625	Chrysene-d12	18.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tritetracontane	605	C43H88	007098-21-7	91
2	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	91
3	Tetratetracontane	619	C44H90	007098-22-8	91
4	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	91
5	Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080316\
Data File : BF089577.D
Acq On : 4 Aug 2016 3:50
Operator : UM/SJ
Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLSA-002(LEAF-MATERIAL)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080316.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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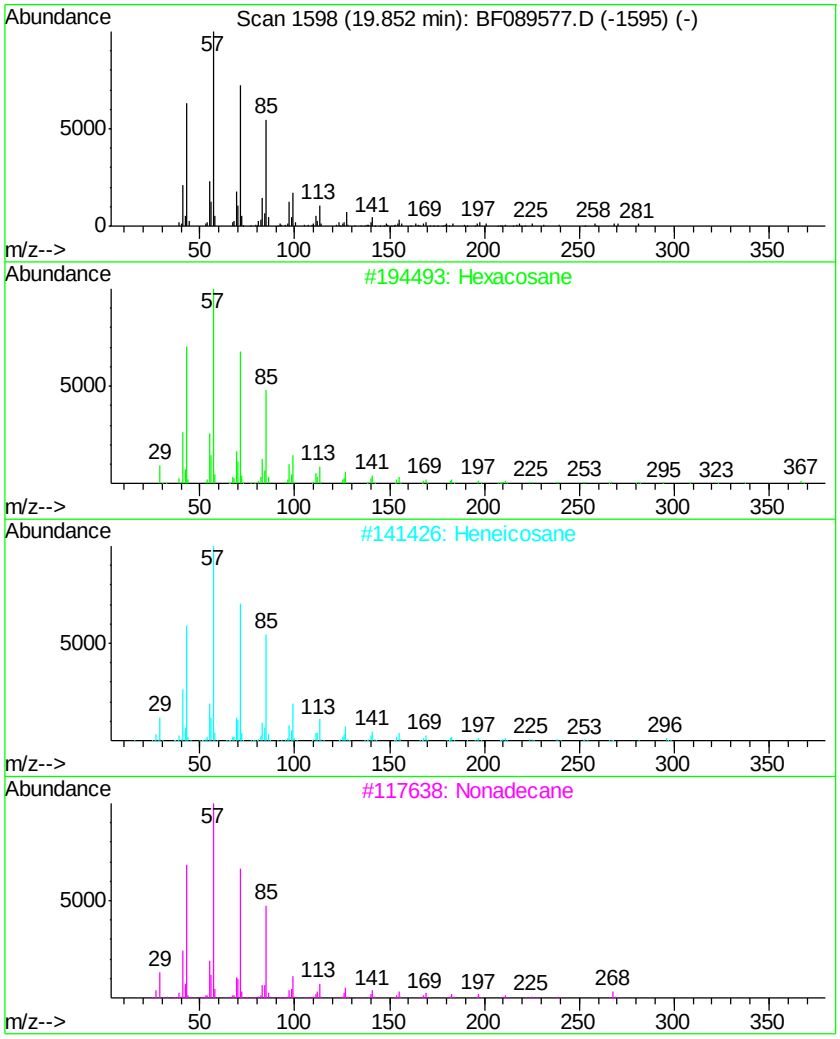
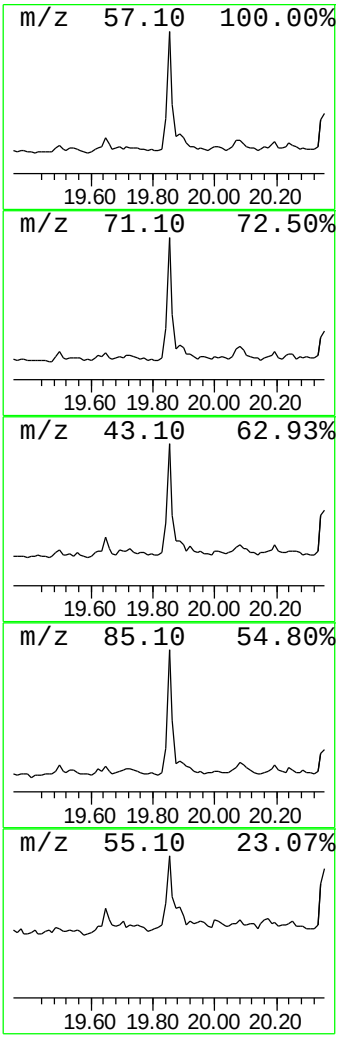
Peak Number 8 Hexacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.85	13.10 ng	218605	Perylene-d12	20.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	Heneicosane	296	C21H44	000629-94-7	90
3	Nonadecane	268	C19H40	000629-92-5	90
4	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	86
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF080316\
Data File : BF089577.D
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Operator : UM/SJ
Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLSA-002(LEAF-MATERIAL)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080316.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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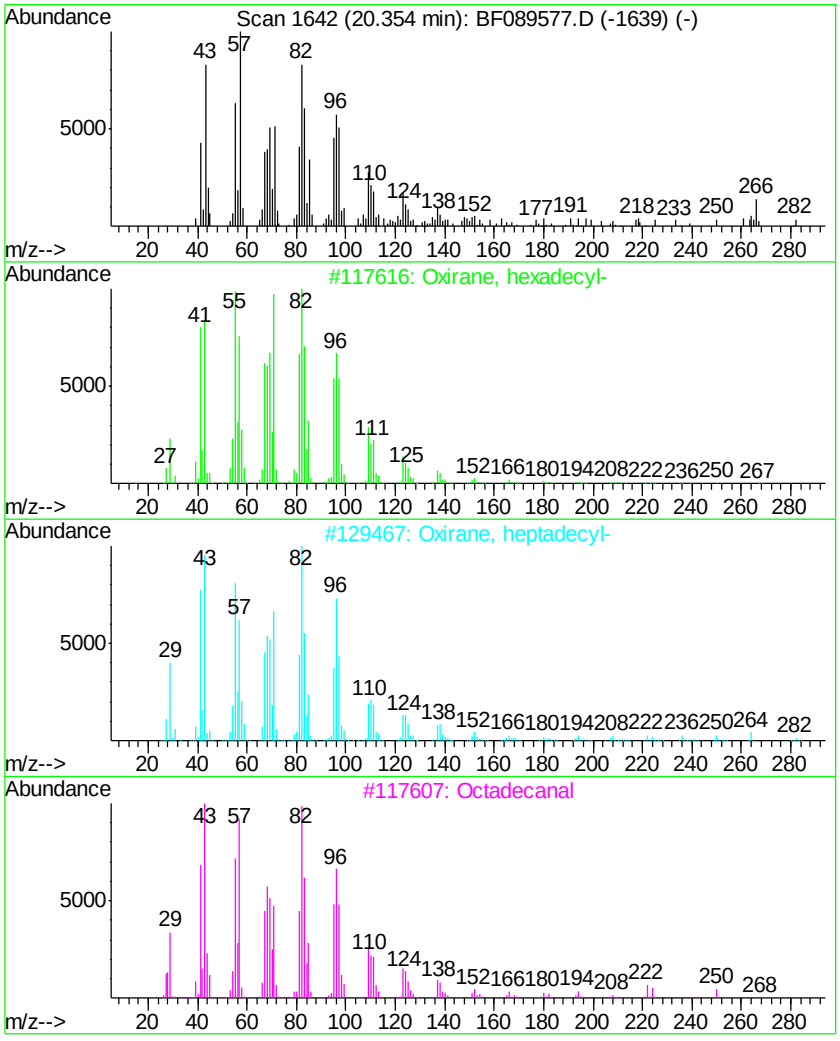
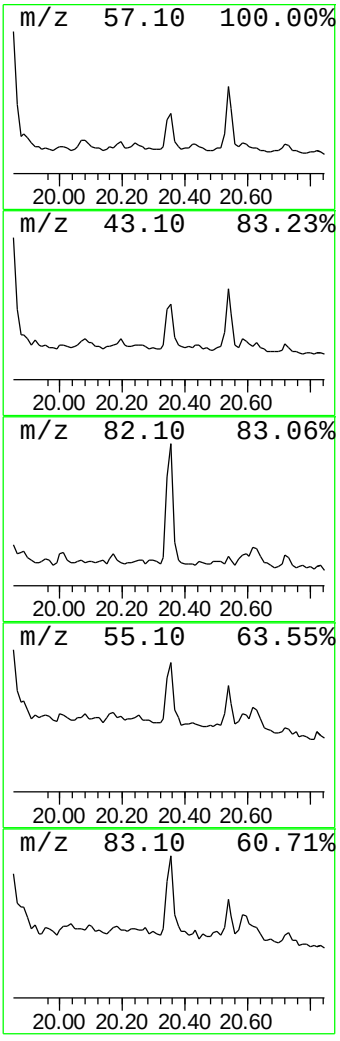
Peak Number 9 Oxirane, hexadecyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.35	11.10 ng	185207	Perylene-d12	20.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
2	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	81
3	Octadecanal	268	C18H36O	000638-66-4	81
4	1,19-Eicosadiene	278	C20H38	014811-95-1	74
5	Pentadecanal-	226	C15H30O	002765-11-9	68





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Acq On : 4 Aug 2016 3:50
Operator : UM/SJ
Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLSA-002(LEAF-MATERIAL)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080316.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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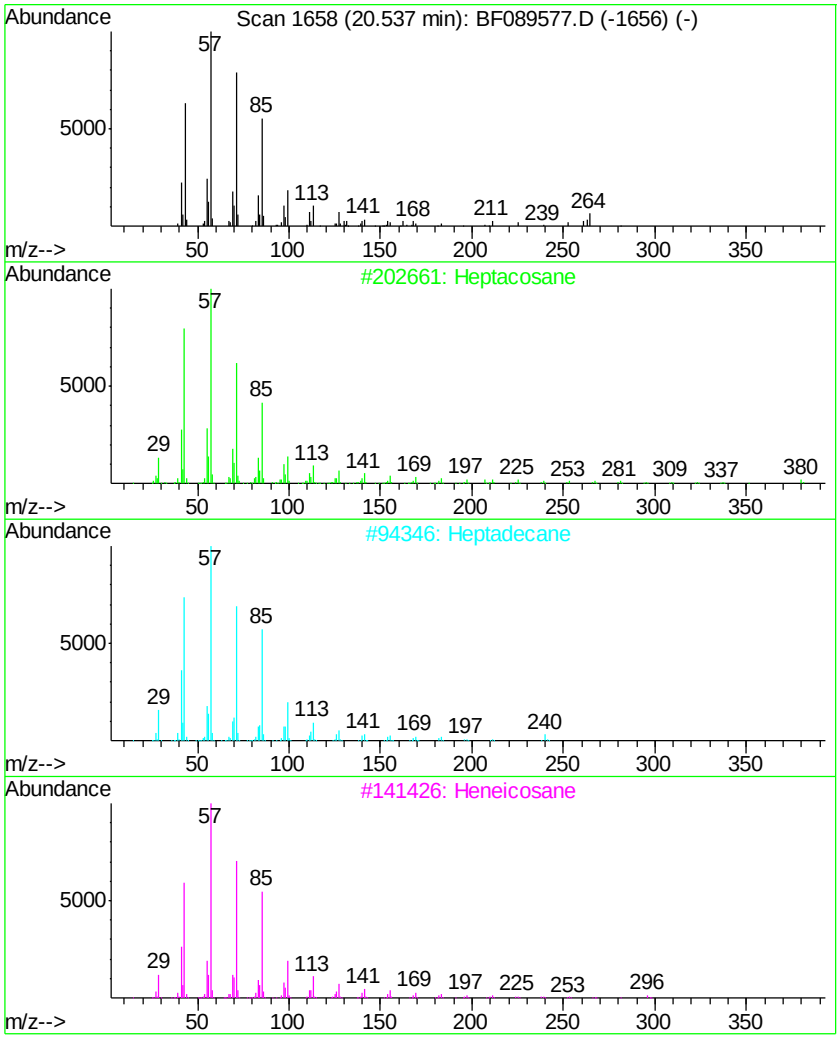
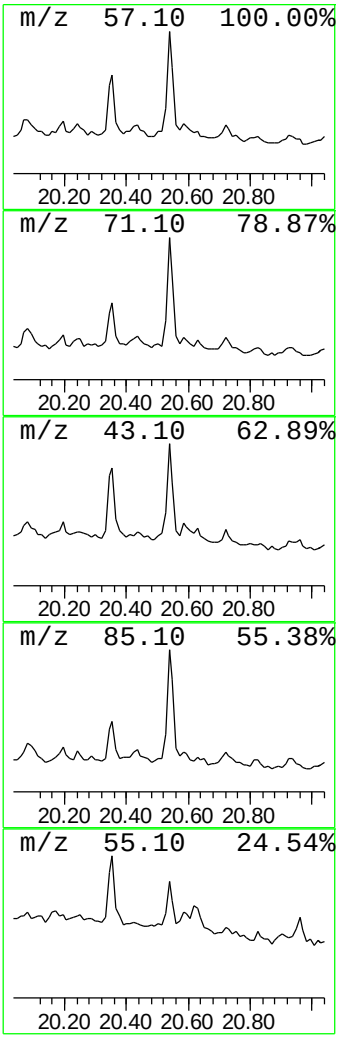
Peak Number 10 Heptacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.54	6.90 ng	115175	Perylene-d12	20.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	87
2	Heptadecane	240	C17H36	000629-78-7	86
3	Heneicosane	296	C21H44	000629-94-7	86
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	86
5	Triacontane	422	C30H62	000638-68-6	86





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLSA-002(LEAF-MATERIAL)

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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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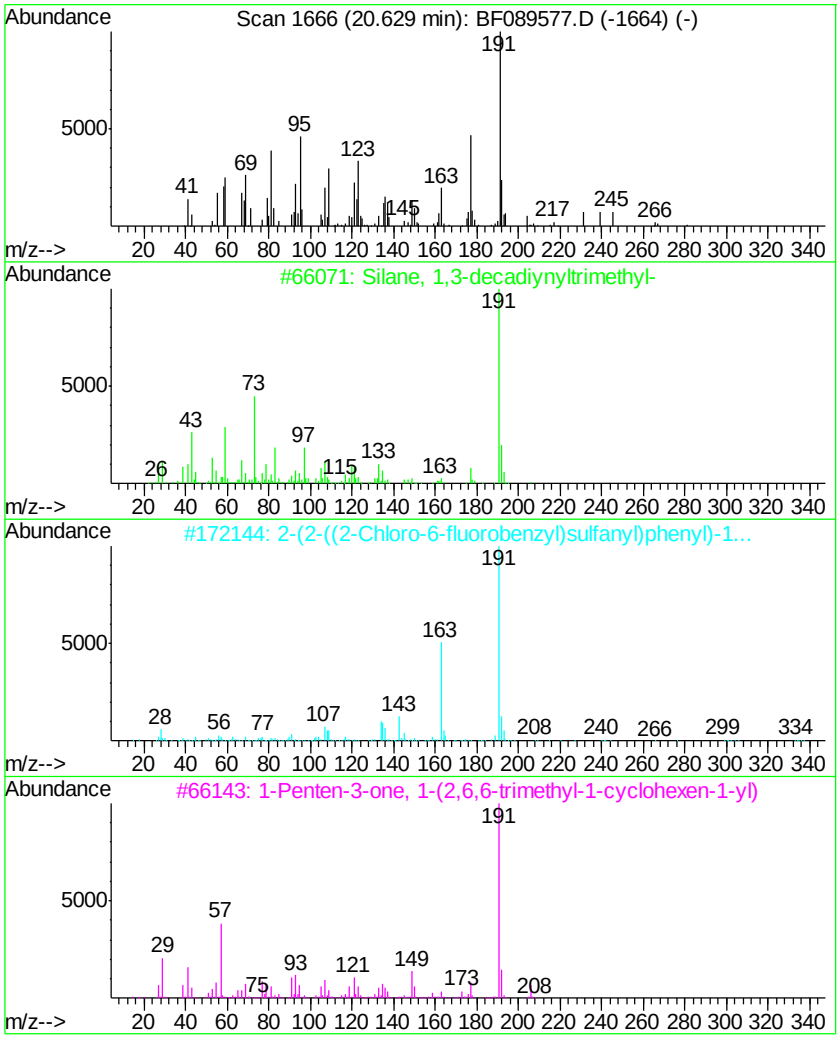
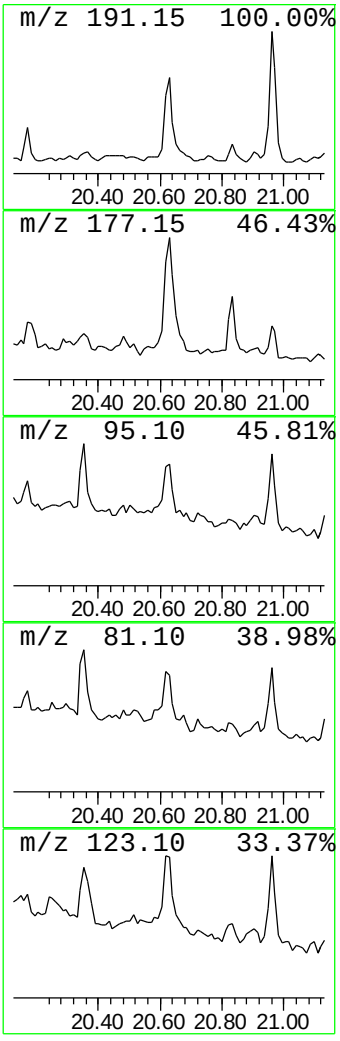
Peak Number 11 unknown20.63 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.63	9.06 ng	151202	Perylene-d12	20.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, 1,3-decadiynyltrimethyl-	206	C13H22Si	084751-17-7	38
2	2-(2-((2-Chloro-6-fluorobenzyl)s...	334	C17H16ClFN2S	1000298-18-2	38
3	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	32
4	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	25
5	Pyrido[3,4-d]pyrimidine-2,4(1H,3...	191	C9H9N3O2	022389-83-9	22





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ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId : PLSA-002(LEAF-MATERIAL)

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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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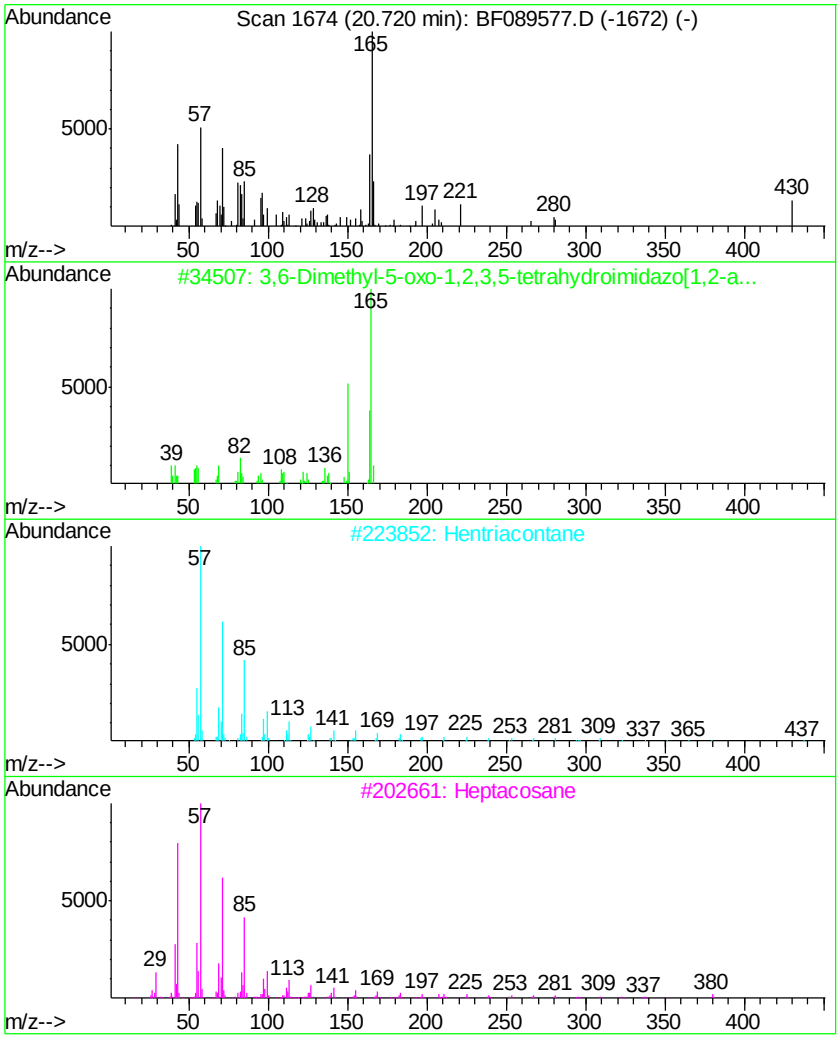
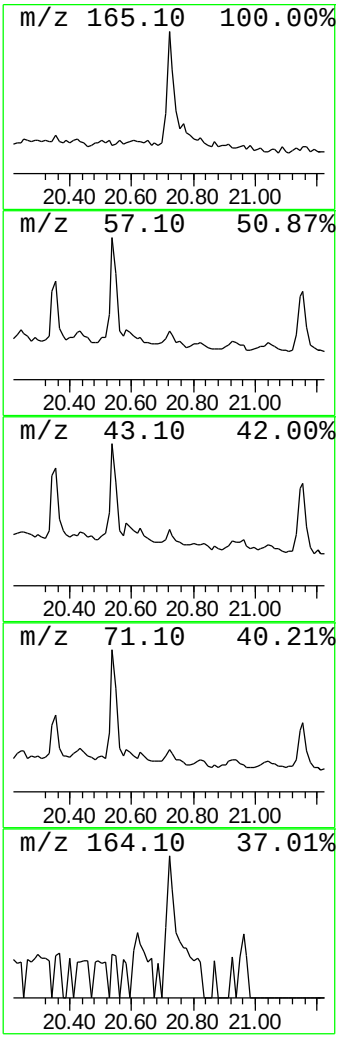
Peak Number 12 unknown20.72 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.72	3.90 ng	65057	Perylene-d12	20.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dimethyl-5-oxo-1,2,3,5-tetra...	165	C8H11N3O	058910-42-2	35
2	Hentriacontane	437	C31H64	000630-04-6	11
3	Heptacosane	380	C27H56	000593-49-7	11
4	Hexatriacontane	507	C36H74	000630-06-8	11
5	Tetratetracontane	619	C44H90	007098-22-8	11





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Operator : UM/SJ
Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLSA-002(LEAF-MATERIAL)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080316.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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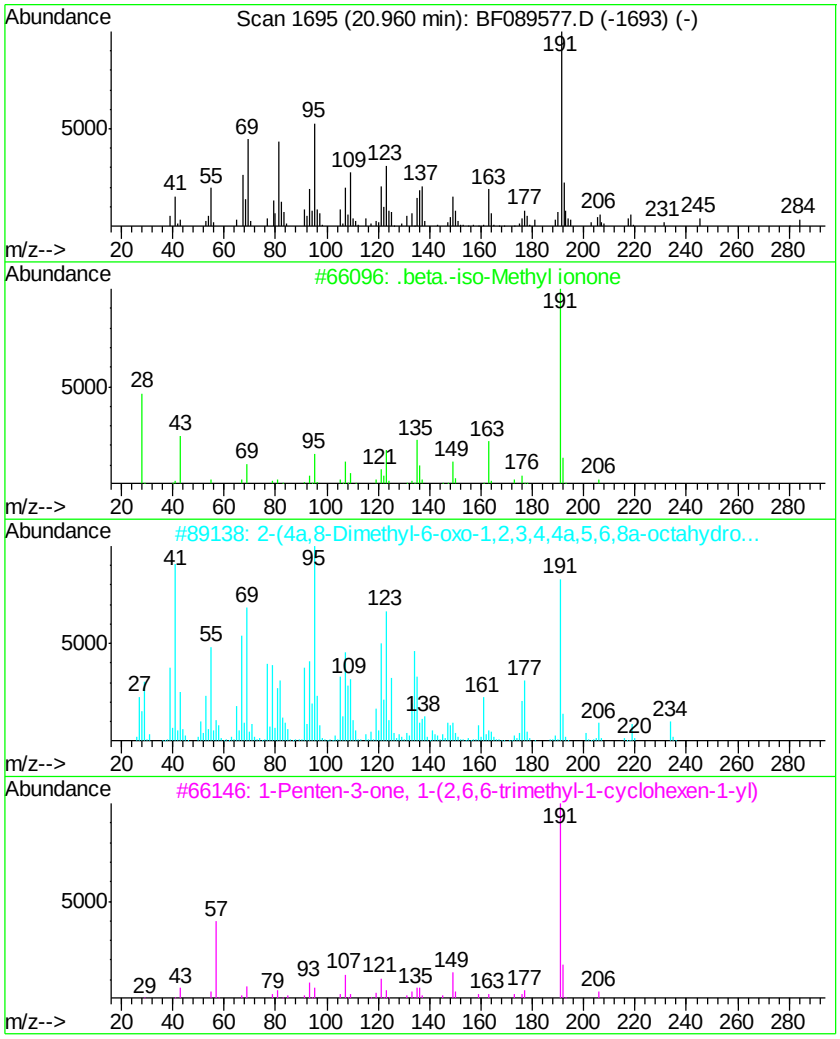
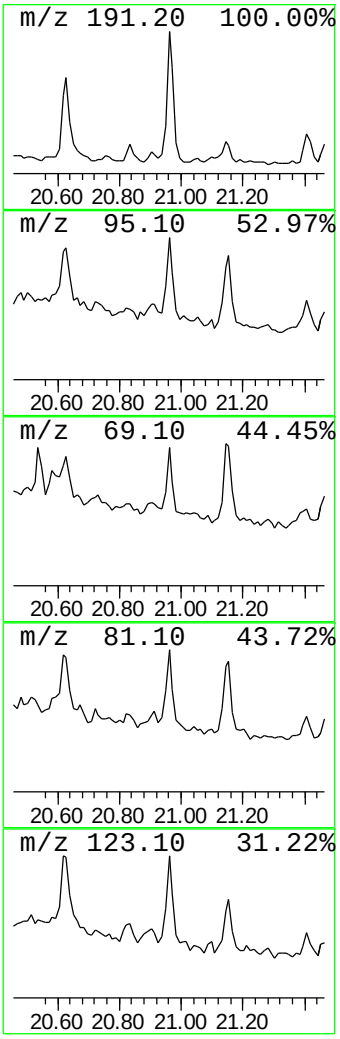
Peak Number 13 .beta.-iso-Methyl ionone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	6.33 ng	105523	Perylene-d12	20.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	62
2	2-(4a,8-Dimethyl-6-oxo-1,2,3,4,4...	234	C15H22O2	1000190-21-8	59
3	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	43
4	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	35
5	2,5,5,8a-Tetramethyl-4-methylene...	206	C14H22O	093175-76-9	32





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Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLSA-002(LEAF-MATERIAL)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080316.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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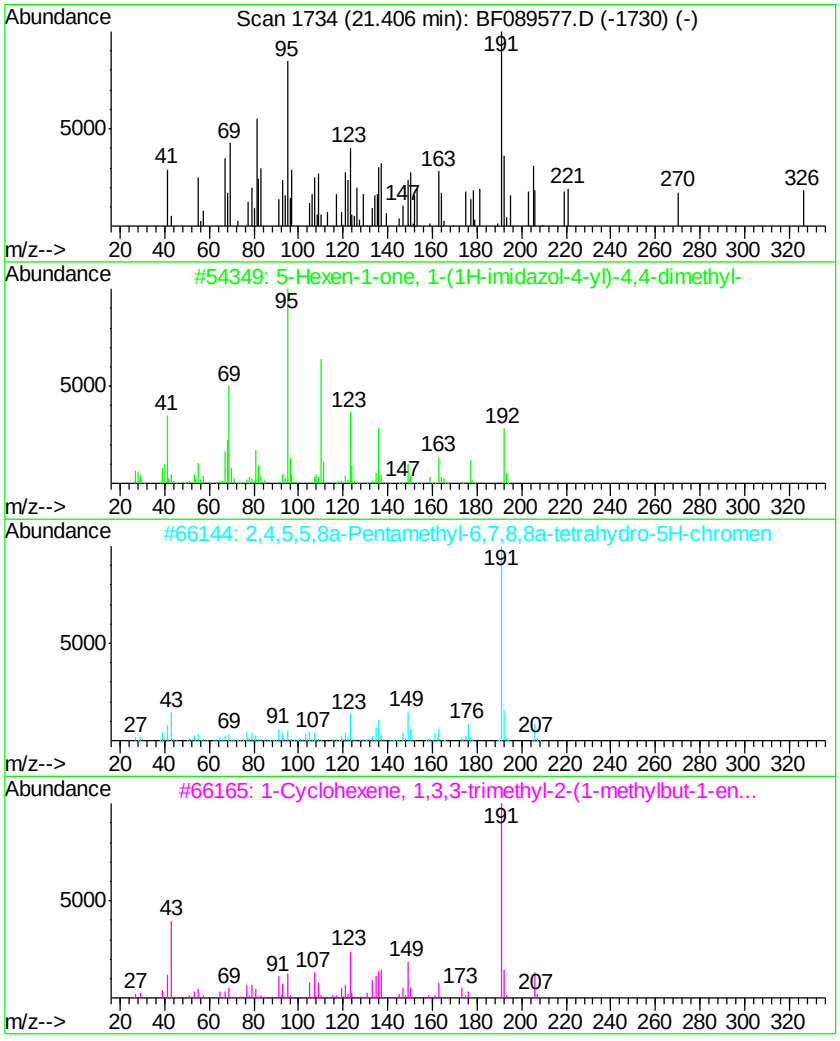
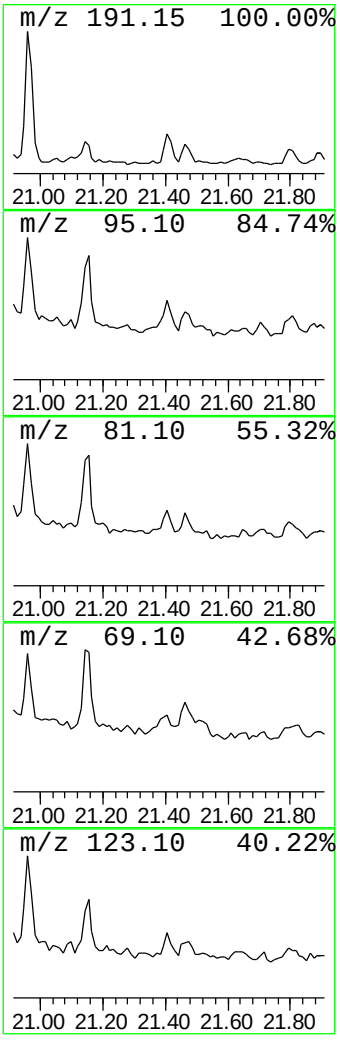
Peak Number 15 unknown21.41 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	3.86 ng	64465	Perylene-d12	20.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Hexen-1-one, 1-(1H-imidazol-4-...	192	C11H16N2O	069393-41-5	41
2	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	38
3	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	30
4	7-Hydroxy-2,5,8-quinoline trione	191	C9H5NO4	015544-54-4	25
5	Benzaldehyde, 4-methoxy-3-(2-pro...	192	C11H12O3	018075-40-6	25





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Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLSA-002(LEAF-MATERIAL)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080316.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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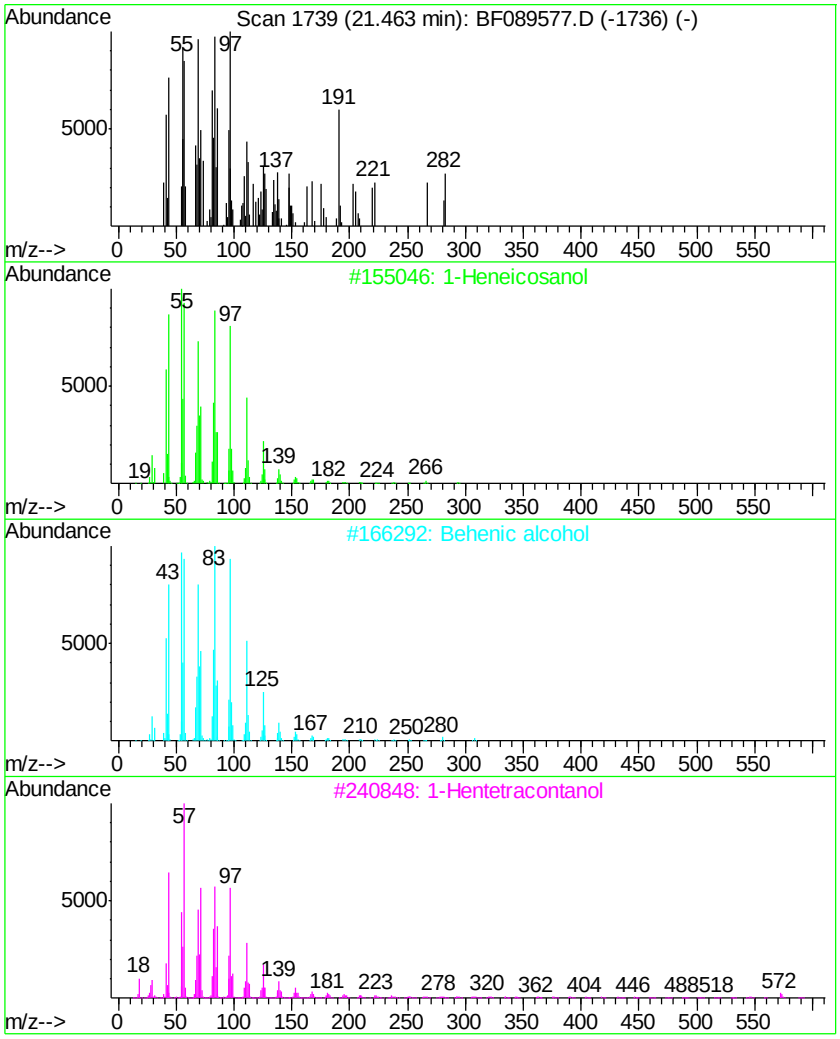
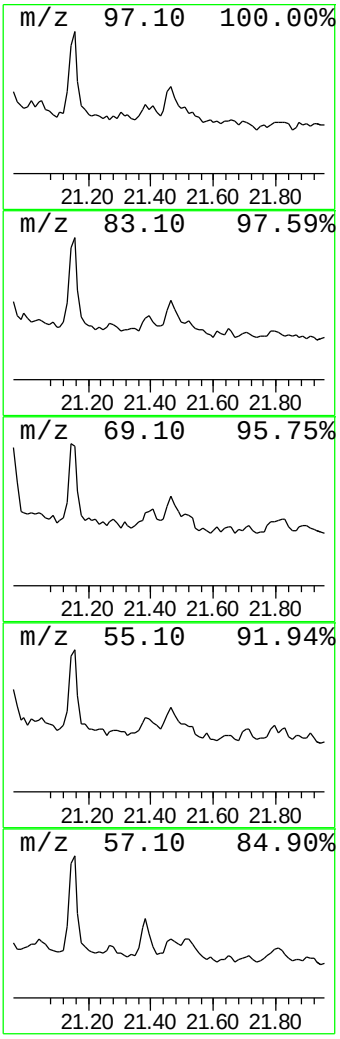
Peak Number 16 1-Heneicosanol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.46	3.75 ng	62638	Perylene-d12	20.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	58
2	Behenic alcohol	326	C22H46O	000661-19-8	49
3	1-Hentetracontanol	593	C41H84O	040710-42-7	46
4	Hexatriacontyl pentafluoropropio...	669	C39H73F5O2	1000351-89-0	43
5	Heptacosyl acetate	438	C29H58O2	1000351-78-2	41





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Acq On : 4 Aug 2016 3:50
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Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLSA-002(LEAF-MATERIAL)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080316.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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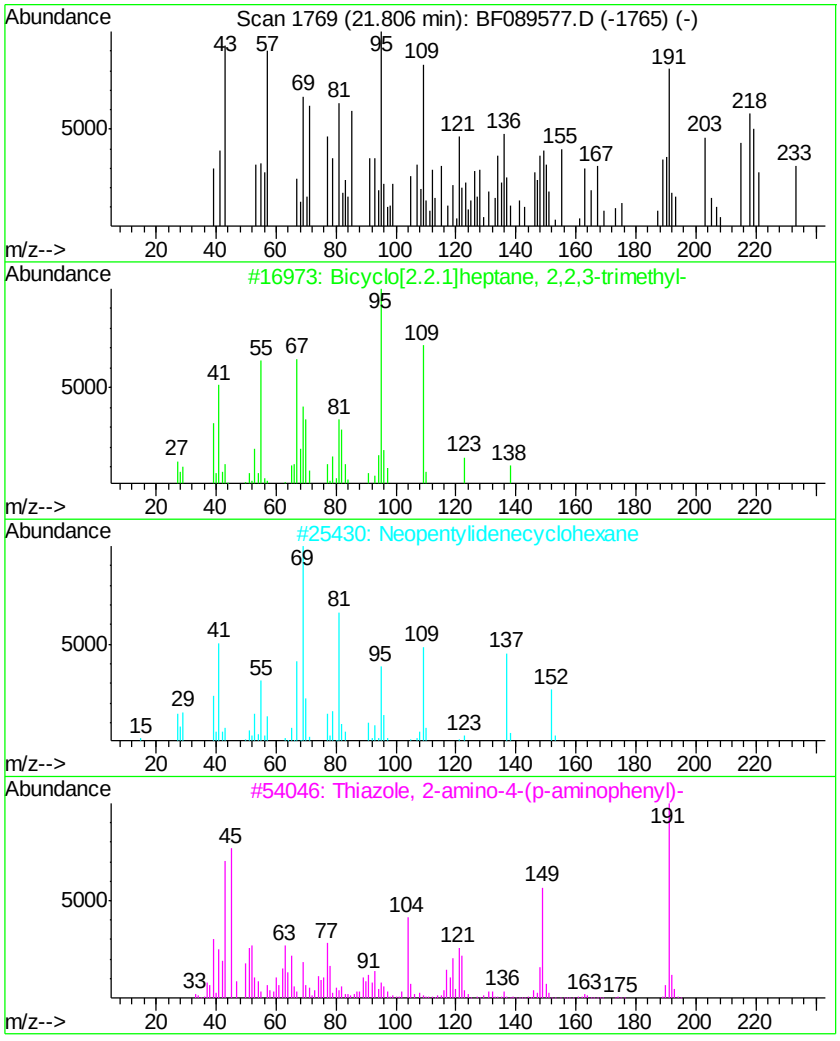
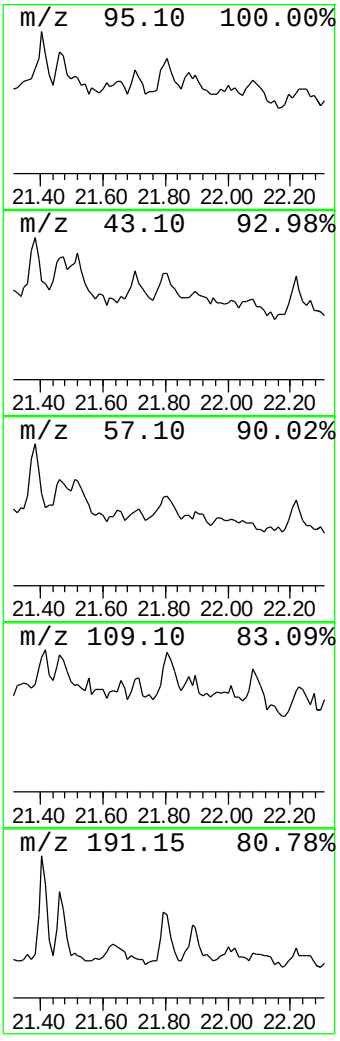
Peak Number 17 unknown21.81 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.81	5.71 ng	95298	Perylene-d12	20.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	18
2	Neopentylidenecyclohexane	152	C11H20	039546-80-0	11
3	Thiazole, 2-amino-4-(p-aminophen...	191	C9H9N3S	003673-53-8	11
4	3,7,11-Trimethyl-dodeca-2,4,6,10...	218	C15H22O	013832-89-8	11
5	(1S,6R,9S)-5,5,9,10-Tetramethylt...	218	C16H26	1000298-97-8	11





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Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLSA-002(LEAF-MATERIAL)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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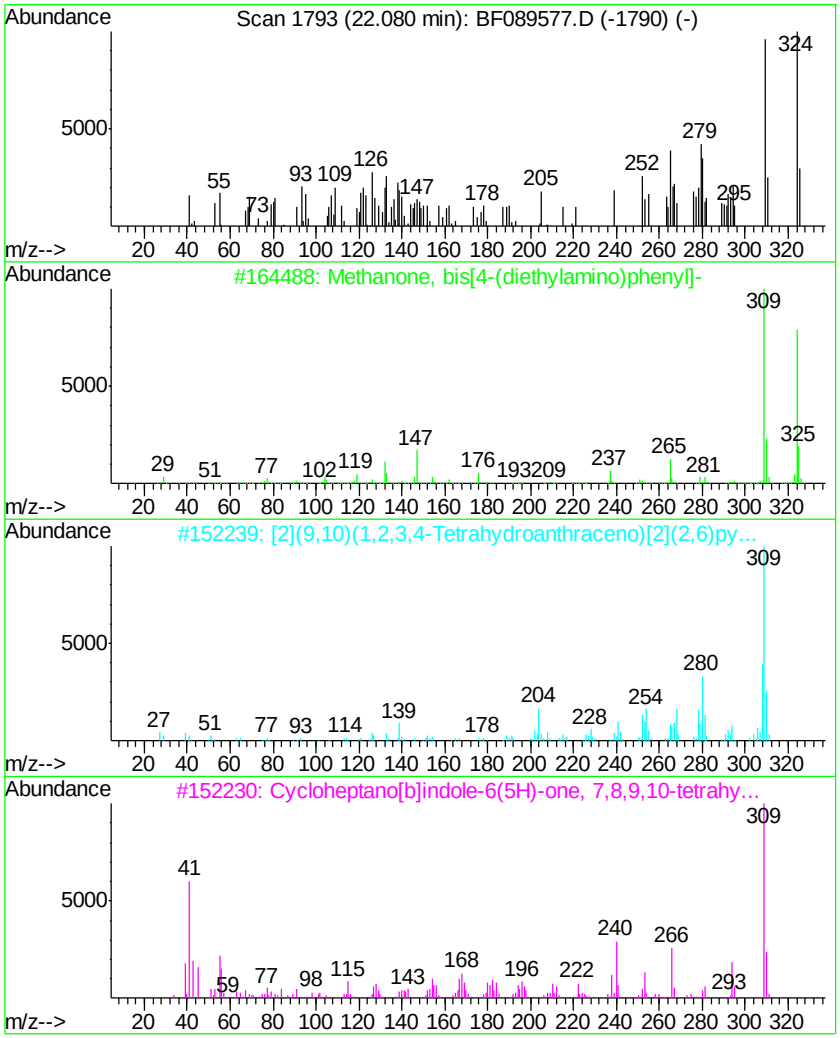
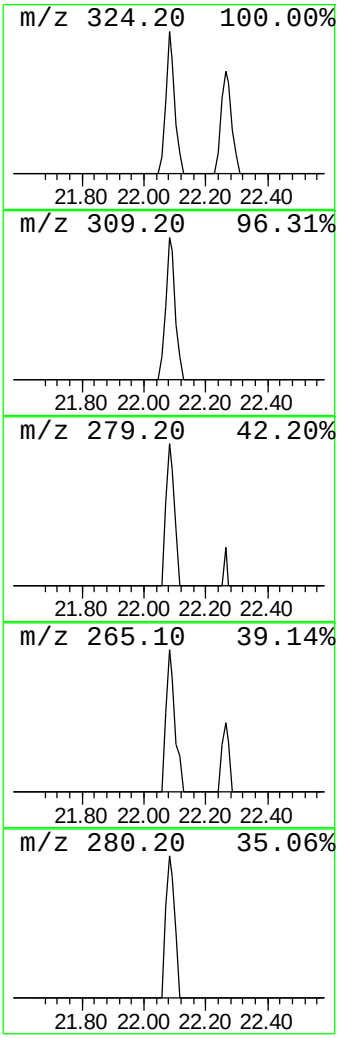
Peak Number 18 unknown22.08 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.08	9.17 ng	153048	Perylene-d12	20.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanone, bis[4-(diethylamino)p...	324	C21H28N2O	000090-93-7	47
2	[2](9,10)(1,2,3,4-Tetrahydroanth...	309	C23H19N	1000156-07-2	38
3	Cycloheptano[b]indole-6(5H)-one,...	309	C21H27NO	327990-59-0	30
4	9a-Benzyl-4b,9a-dihydroindeno[1,...	324	C23H16O2	140462-96-0	30
5	2-Chloro-4-amino-5-[3,4,5-trimet...	309	C14H16ClN3O3	148256-85-3	27





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Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLSA-002(LEAF-MATERIAL)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080316.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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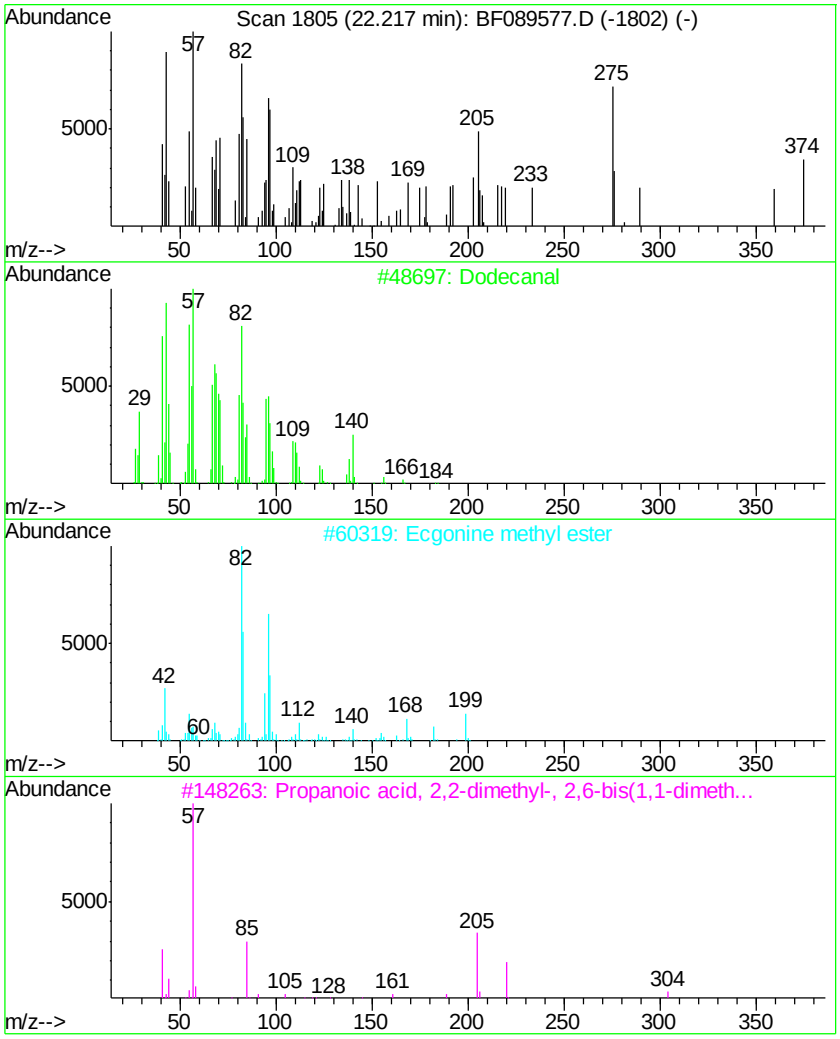
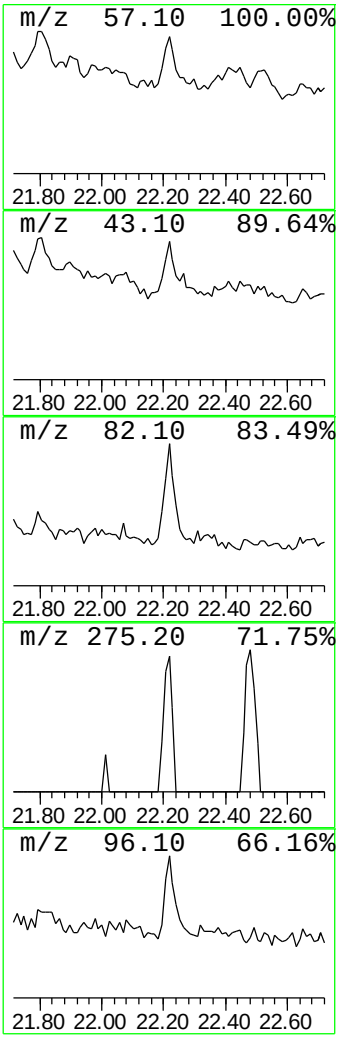
Peak Number 19 unknown22.22 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.22	4.03 ng	67242	Perylene-d12	20.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanal	184	C12H24O	000112-54-9	14
2	Ecgonine methyl ester	199	C10H17NO3	106293-60-1	10
3	Propanoic acid, 2,2-dimethyl-, 2...	304	C20H32O2	054644-43-8	10
4	Heptadecanal	254	C17H34O	1000376-70-0	10
5	N1-(8-Methyl-8-azabicyclo[3.2.1]...	276	C16H21FN2O	247565-70-4	10





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Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLSA-002(LEAF-MATERIAL)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080316.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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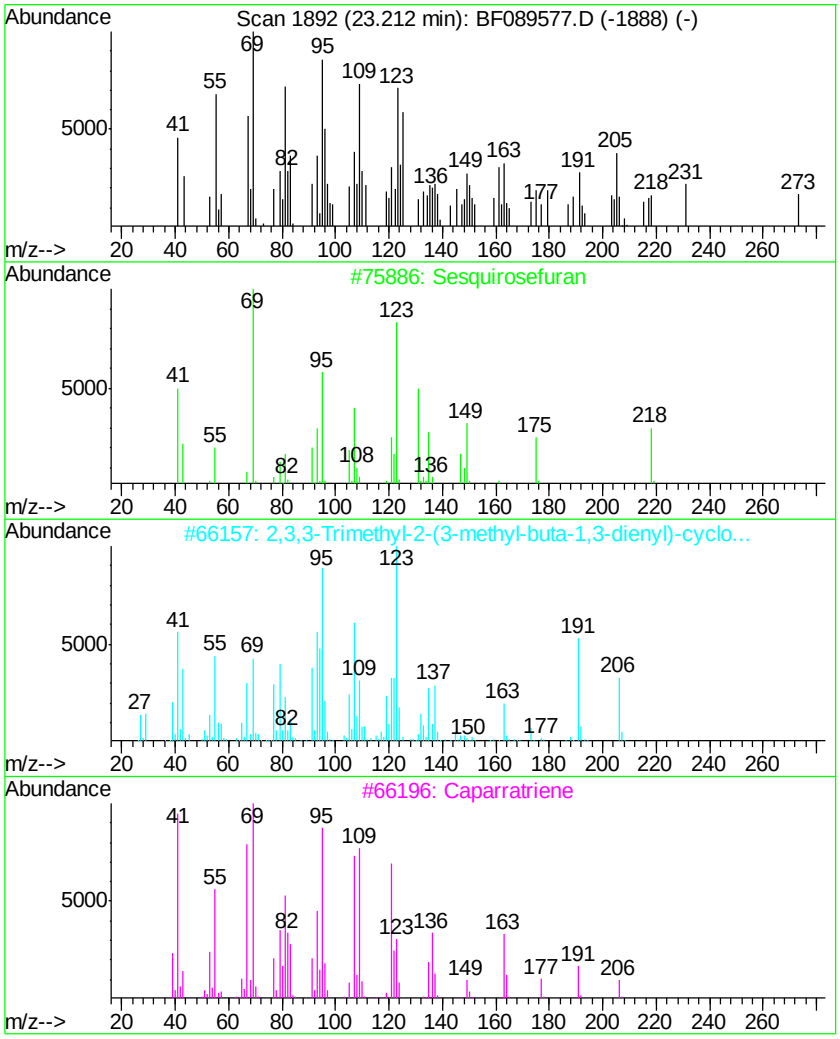
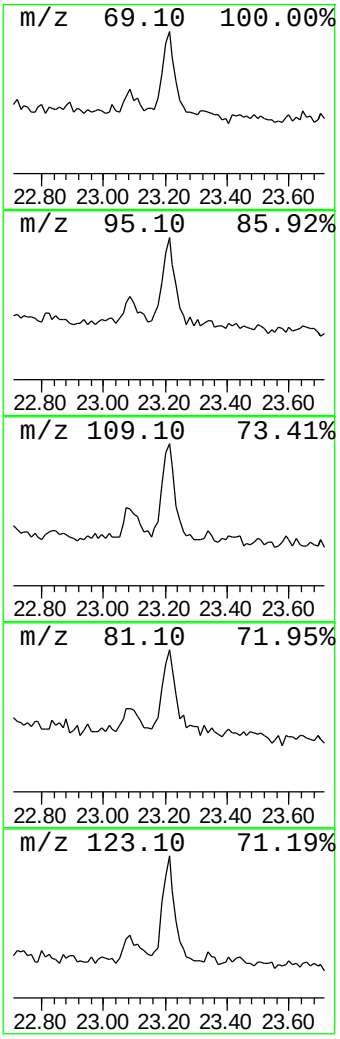
Peak Number 20 Sesquirosefuran Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.21	9.65 ng	161046	Perylene-d12	20.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sesquirosefuran	218	C15H22O	039007-93-7	62
2	2,3,3-Trimethyl-2-(3-methyl-buta...	206	C14H22O	1000193-60-6	59
3	Caparratriene	206	C15H26	1000374-08-7	53
4	Cyclohexanone, 2,3,3-trimethyl-2...	206	C14H22O	069296-90-8	52
5	Cyclohexanone, 2,3,3-trimethyl-2...	206	C14H22O	069296-91-9	52





Tentatively Identified Compound (LSC) summary

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Data File : BF089577.D
Acq On : 4 Aug 2016 3:50
Operator : UM/SJ
Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLSA-002(LEAF-MATERIAL)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080316.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
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1-Cycloheptene, 1...	18.07	5.3	ng	99402	5	18.41	374943	20.0
unknown18.10	18.10	6.7	ng	124772	5	18.41	374943	20.0
unknown18.18	18.18	7.2	ng	135810	5	18.41	374943	20.0
unknown18.30	18.30	4.4	ng	82337	5	18.41	374943	20.0
Tritetracontane	19.13	4.3	ng	79625	5	18.41	374943	20.0
Hexacosane	19.85	13.1	ng	218605	6	20.07	333664	20.0
Oxirane, hexadecyl-	20.35	11.1	ng	185207	6	20.07	333664	20.0
Heptacosane	20.54	6.9	ng	115175	6	20.07	333664	20.0
unknown20.63	20.63	9.1	ng	151202	6	20.07	333664	20.0
unknown20.72	20.72	3.9	ng	65057	6	20.07	333664	20.0
.beta.-iso-Methyl...	20.96	6.3	ng	105523	6	20.07	333664	20.0
unknown21.41	21.41	3.9	ng	64465	6	20.07	333664	20.0
1-Heneicosanol	21.46	3.8	ng	62638	6	20.07	333664	20.0
unknown21.81	21.81	5.7	ng	95298	6	20.07	333664	20.0
unknown22.08	22.08	9.2	ng	153048	6	20.07	333664	20.0
unknown22.22	22.22	4.0	ng	67242	6	20.07	333664	20.0
Sesquirosefuran	23.21	9.7	ng	161046	6	20.07	333664	20.0