LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083529.D
Acq On : 6 Dec 2015 14:23
Operator : UM/IZ
Sample : G4614-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S5-14.5

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-BF120415.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	3.584	164	166	181	rVB	652488	1528960	24.55%	2.649%
2	4.018	201	204	219	rBV	3973110	5892032	94.60%	10.209%
3	5.298	312	316	318	rBV	4100951	6228507	100.00%	10.792%
4	5.424	325	327	330	rBV	4127818	5689249	91.34%	9.858%
5	5.733	351	354	365	rVB	938126	1175465	18.87%	2.037%
6	5.950	370	373	381	rVB	3358032	4244975	68.15%	7.355%
7	6.556	423	426	429	rBV	2248262	3892803	62.50%	6.745%
8	6.853	447	452	460	rBV	114433	289387	4.65%	0.501%
9	7.630	517	520	533	rVB	1142727	1597895	25.65%	2.769%
10	9.379	669	673	676	rBV	3844037	5506538	88.41%	9.541%
11	10.065	730	733	736	rBV	1426792	1774750	28.49%	3.075%
12	10.419	761	764	771	rBV	1167815	1902442	30.54%	3.296%
13	11.196	827	832	835	rBV2	39576	75240	1.21%	0.130%
14	11.265	835	838	841	rVV	130106	202898	3.26%	0.352%
15	11.631	865	870	872	rBV	47797	110828	1.78%	0.192%
16	11.711	874	877	880	rBV	2632715	3745234	60.13%	6.490%
17	12.042	899	906	911	rBV	175877	348107	5.59%	0.603%
18	12.362	930	934	937	rBV	31225	64180	1.03%	0.111%
19	12.774	967	970	972	rBV	101162	143000	2.30%	0.248%
20	12.819	972	974	977	rVV	1287573	1790871	28.75%	3.103%
21	12.865	977	978	983	rVV	75937	98745	1.59%	0.171%
22	13.471	1028	1031	1035	rBV	50828	69553	1.12%	0.121%
23	13.871	1064	1066	1075	rVB	163506	259449	4.17%	0.450%
24	14.785	1143	1146	1151	rBV	159125	250405	4.02%	0.434%
25	15.151	1175	1178	1185	rBV	189422	365017	5.86%	0.632%
26	15.299	1187	1191	1196	rBV2	163611	313715	5.04%	0.544%
27	15.448	1200	1204	1207	rBV	2911720	5059749	81.24%	8.767%
28	16.431	1286	1290	1294	rBV	124505	194884	3.13%	0.338%
29	16.957	1333	1336	1339	rBV3	134999	293276	4.71%	0.508%
30	17.014	1339	1341	1349	rVB	1330279	1826291	29.32%	3.165%
31	17.391	1372	1374	1377	rVB	73451	81851	1.31%	0.142%
32	17.768	1405	1407	1410	rBV	83532	90019	1.45%	0.156%
33	18.111	1435	1437	1440	rBV	52954	70461	1.13%	0.122%
34	18.180	1440	1443	1447	rVB	45360	67368	1.08%	0.117%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083529.D
Acq On : 6 Dec 2015 14:23
Operator : UM/IZ
Sample : G4614-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S5-14.5

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-BF120415.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.294	1451	1453	1454	rBV	78591	128439	2.06%	0.223%
36	18.443	1464	1466	1468	rBV	58176	72719	1.17%	0.126%
37	18.557	1474	1476	1479	rBV	53183	66741	1.07%	0.116%
38	18.614	1479	1481	1482	rVV	67591	87704	1.41%	0.152%
39	18.648	1482	1484	1490	rVV	931009	1235292	19.83%	2.140%
40	18.763	1491	1494	1498	rVB	50459	84777	1.36%	0.147%
41	19.117	1522	1525	1530	rBV	52049	104985	1.69%	0.182%
42	19.517	1558	1560	1567	rVB	49219	100564	1.61%	0.174%
43	19.986	1598	1601	1605	rVB	47758	95854	1.54%	0.166%
44	20.317	1626	1630	1634	rBV3	35007	95559	1.53%	0.166%
45	20.523	1644	1648	1659	rBV2	51072	173493	2.79%	0.301%
46	21.163	1699	1704	1710	rVB	41360	125518	2.02%	0.217%
47	21.906	1765	1769	1772	rBV	34174	95791	1.54%	0.166%

Sum of corrected areas: 57711580

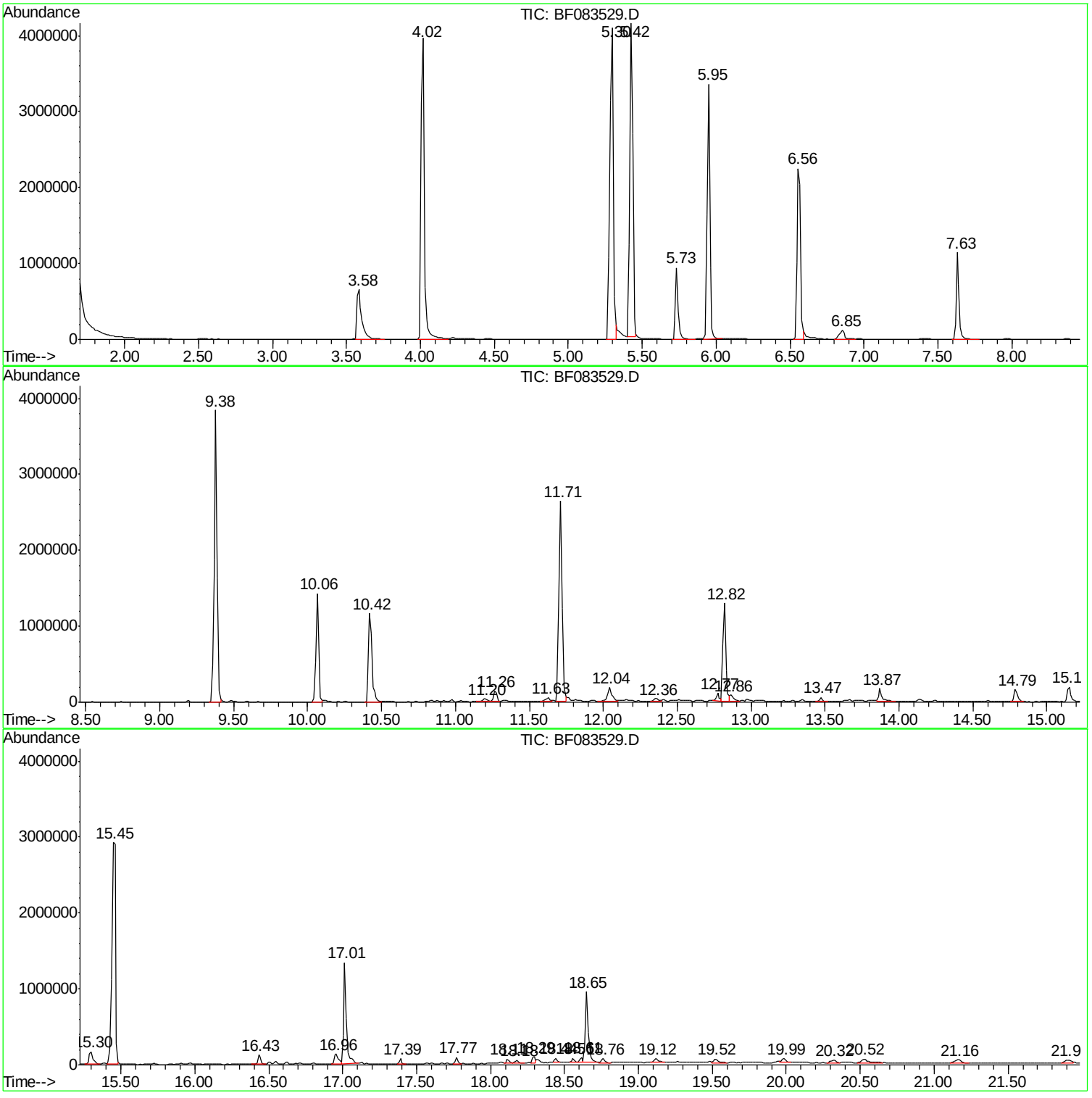
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083529.D
Acq On : 6 Dec 2015 14:23
Operator : UM/IZ
Sample : G4614-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S5-14.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083529.D
Acq On : 6 Dec 2015 14:23
Operator : UM/IZ
Sample : G4614-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S5-14.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

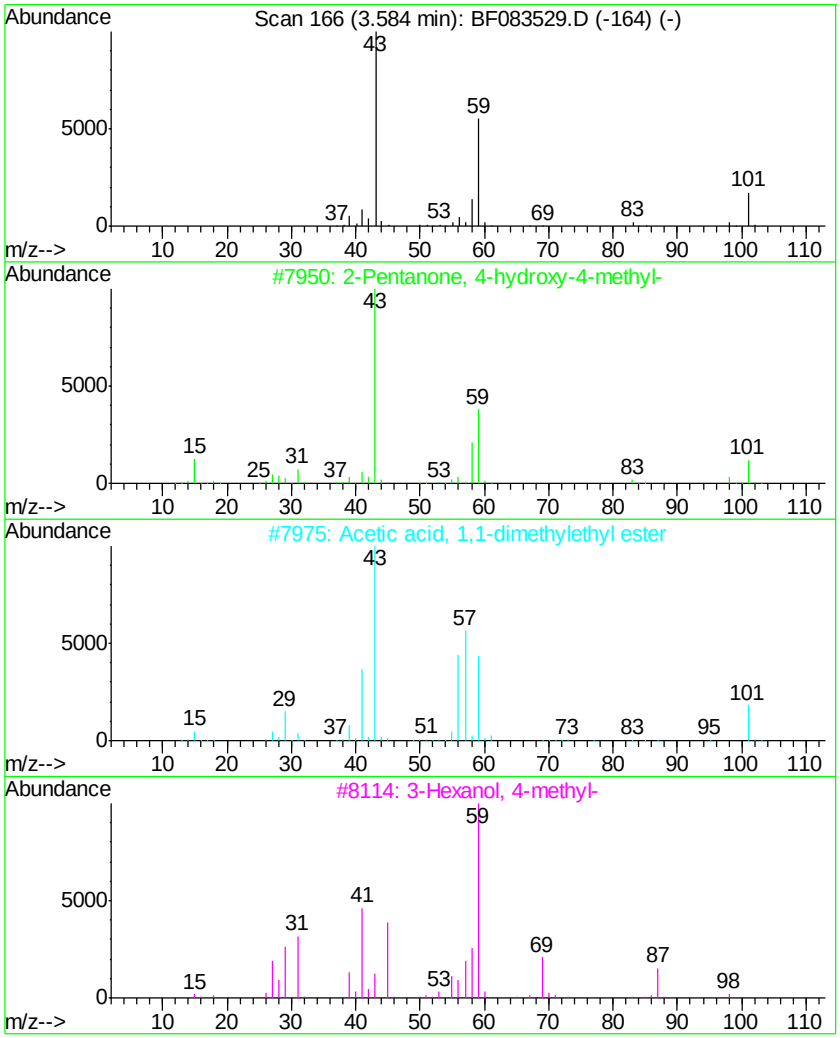
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

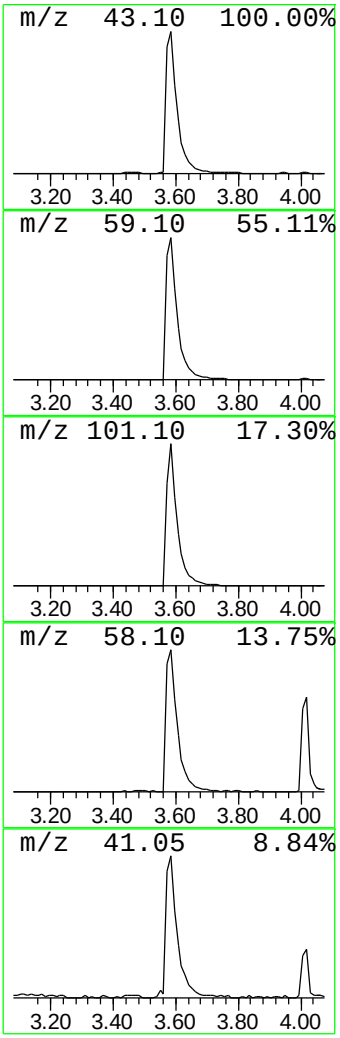
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.58	26.01 ng	1528960	1,4-Dichlorobenzene-d4	5.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Ethanol, pentamethyl-	116	C7H16O	000594-83-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083529.D
Acq On : 6 Dec 2015 14:23
Operator : UM/IZ
Sample : G4614-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S5-14.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

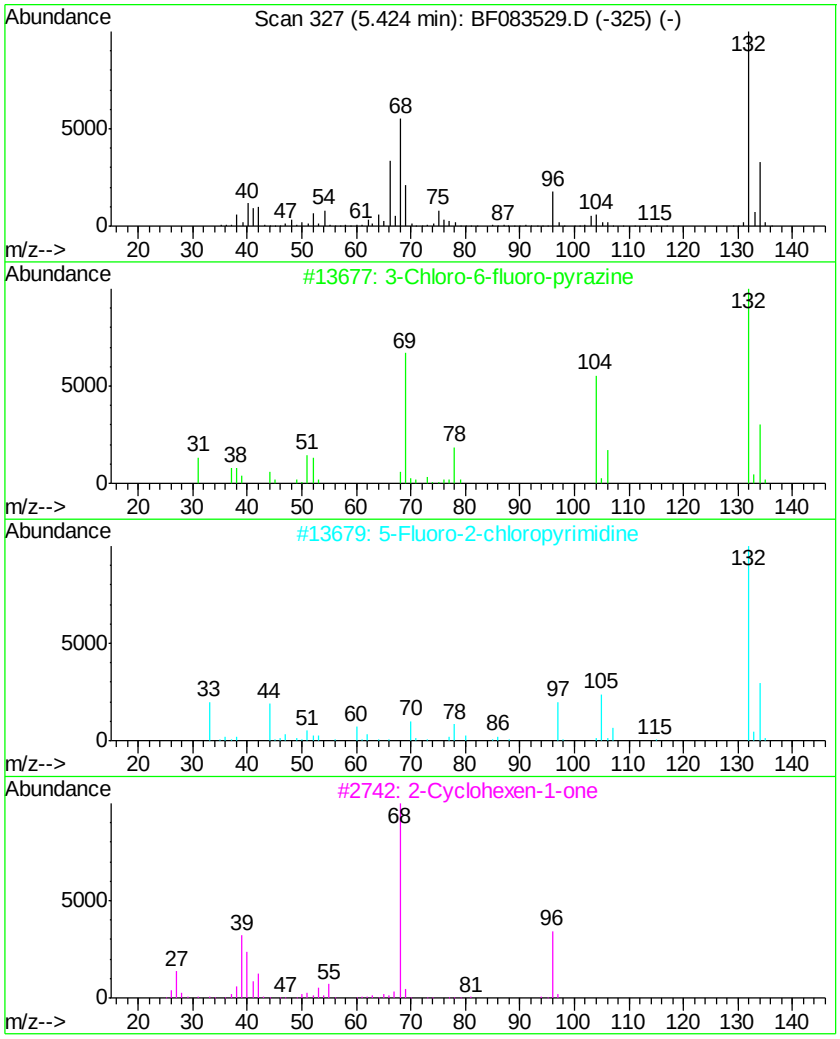
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

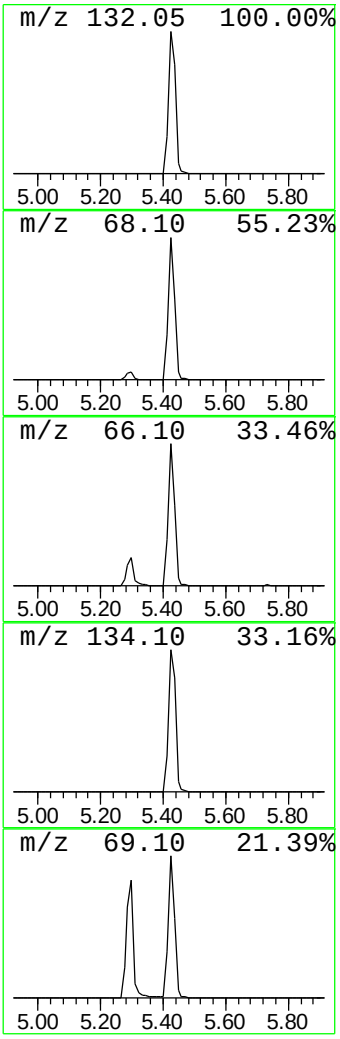
****

Peak Number 2 unknown5.42 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.42	96.80 ng	5689250	1,4-Dichlorobenzene-d4	5.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083529.D
Acq On : 6 Dec 2015 14:23
Operator : UM/IZ
Sample : G4614-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S5-14.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

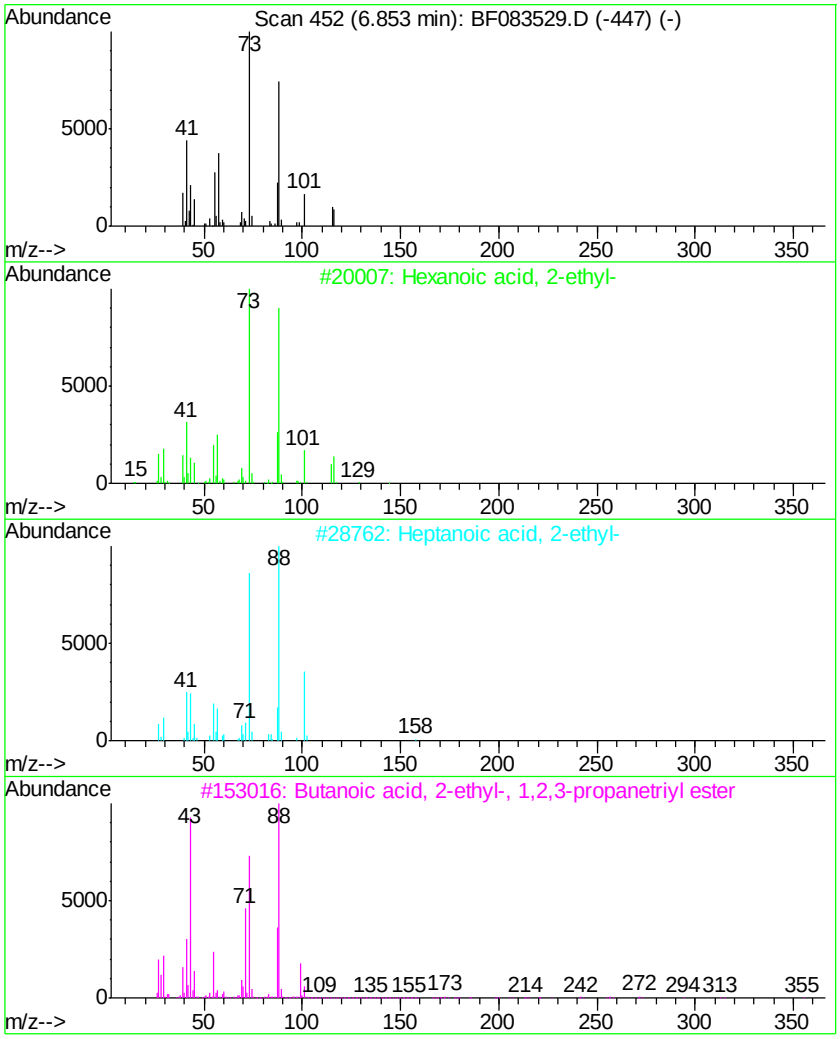
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

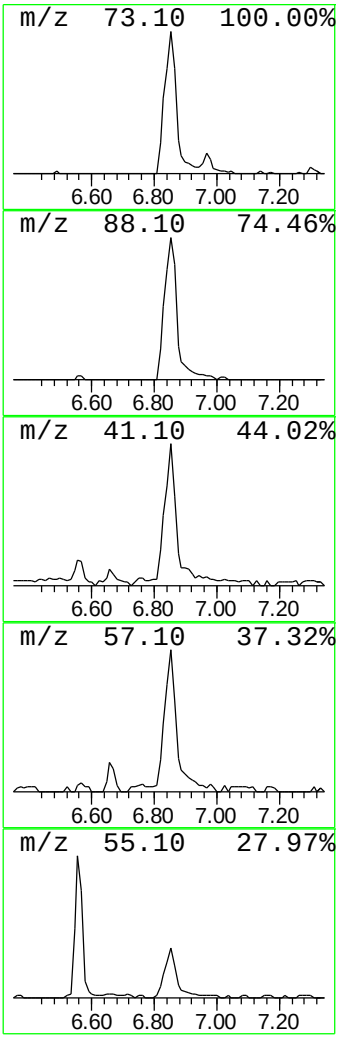
****

Peak Number 4 Hexanoic acid, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.85	3.62 ng	289387	Naphthalene-d8	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	78
2	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	59
3	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	50
4	Heptanoic acid, ethyl ester	158	C9H18O2	000106-30-9	38
5	1,4-Dioxane	88	C4H8O2	000123-91-1	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083529.D
Acq On : 6 Dec 2015 14:23
Operator : UM/IZ
Sample : G4614-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S5-14.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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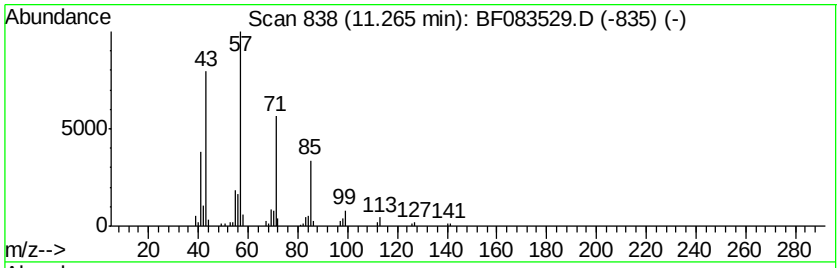
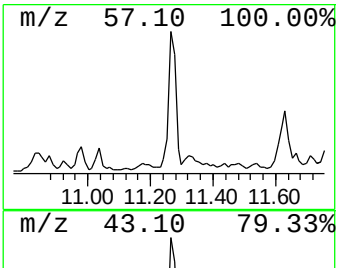
Peak Number 5 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	2.13 ng	202898	Acenaphthene-d10	10.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Heptadecane	240	C17H36	000629-78-7	83
3	Eicosane	282	C20H42	000112-95-8	83
4	Pentadecane	212	C15H32	000629-62-9	78
5	Tridecane	184	C13H28	000629-50-5	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083529.D
Acq On : 6 Dec 2015 14:23
Operator : UM/IZ
Sample : G4614-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S5-14.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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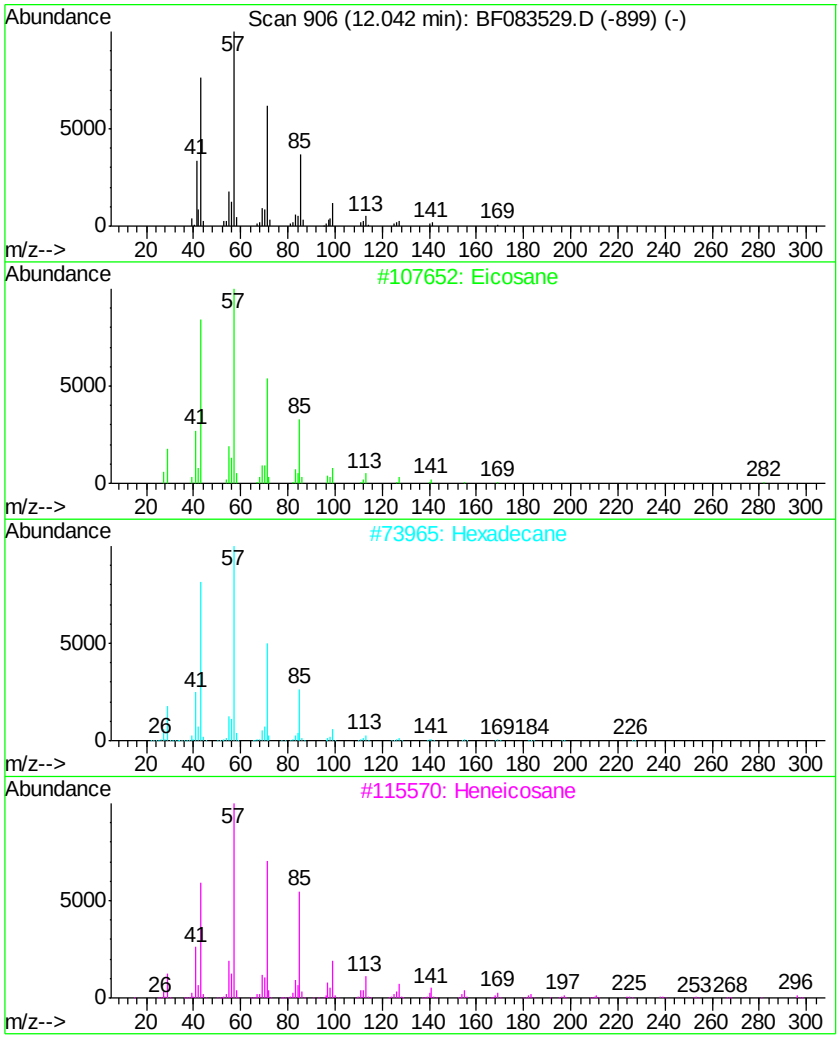
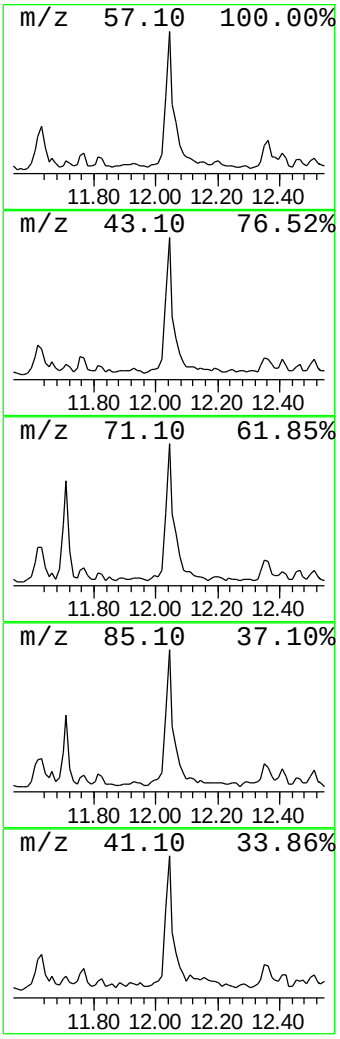
Peak Number 6 Eicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	3.89 ng	348107	Phenanthrene-d10	12.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Heneicosane	296	C21H44	000629-94-7	83
4	Tridecane	184	C13H28	000629-50-5	80
5	Octadecane	254	C18H38	000593-45-3	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083529.D
Acq On : 6 Dec 2015 14:23
Operator : UM/IZ
Sample : G4614-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S5-14.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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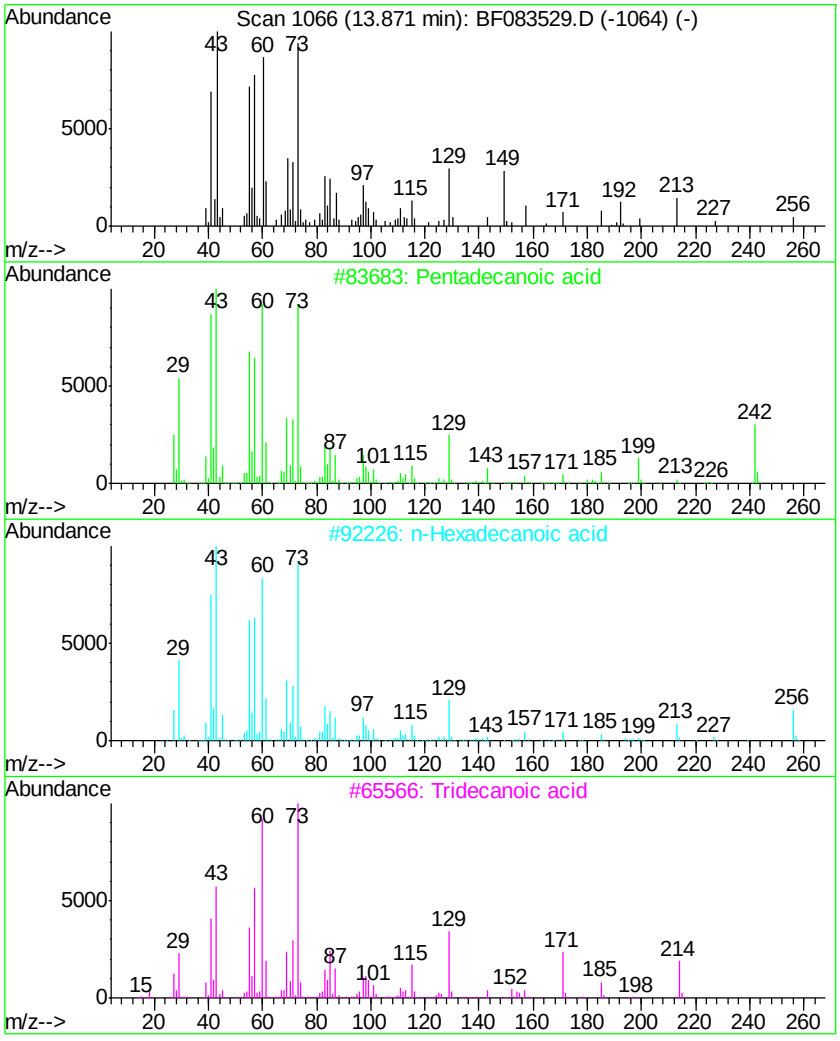
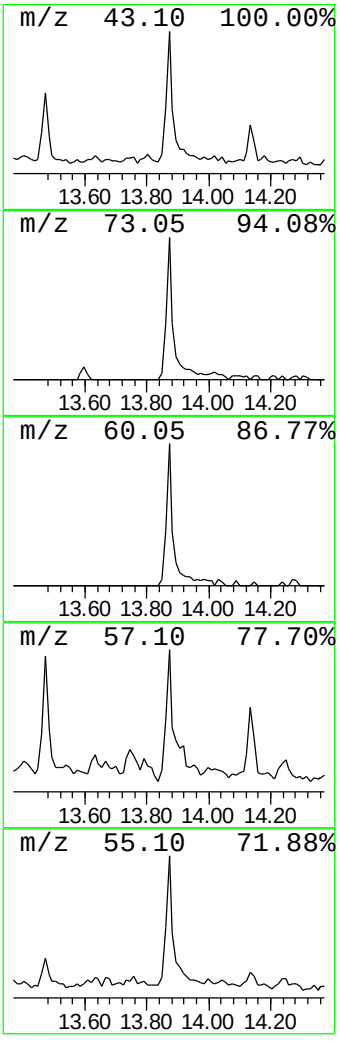
Peak Number 7 Pentadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	2.90 ng	259449	Phenanthrene-d10	12.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	68
3	Tridecanoic acid	214	C13H26O2	000638-53-9	64
4	Undecanoic acid	186	C11H22O2	000112-37-8	53
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083529.D
Acq On : 6 Dec 2015 14:23
Operator : UM/IZ
Sample : G4614-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S5-14.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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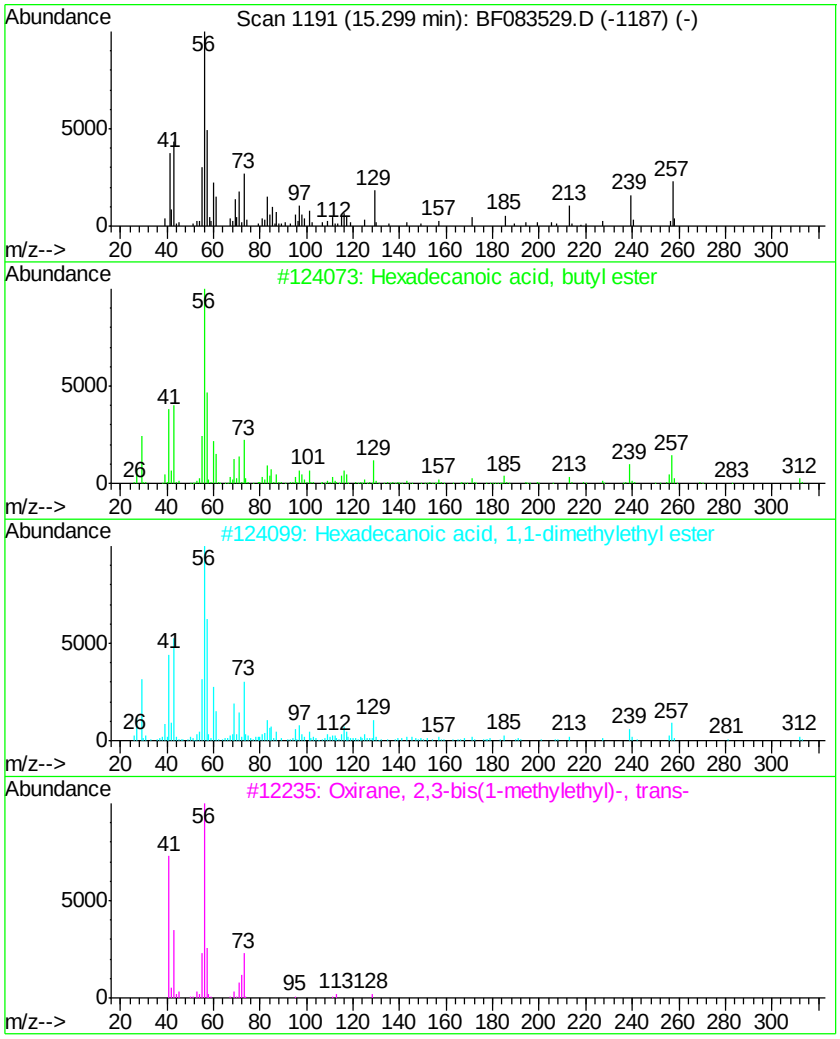
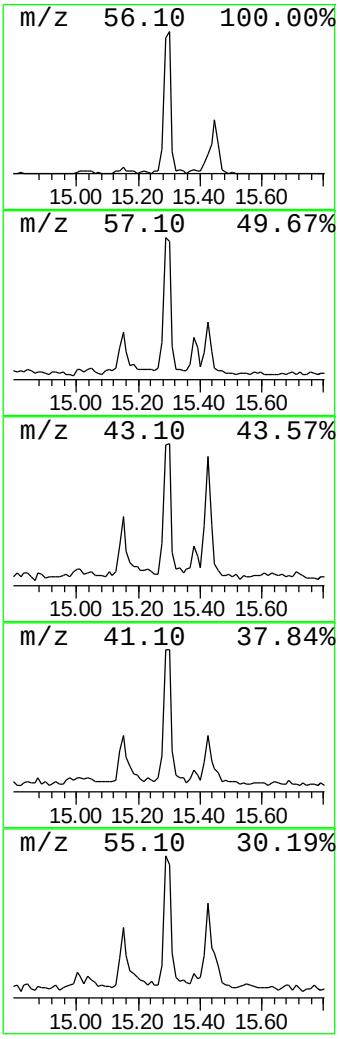
Peak Number 8 Hexadecanoic acid, butyl ester Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	3.44 ng	313715	Chrysene-d12	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	87
2	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	81
3	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	38
4	Cyclobutane, 1-hexyl-2,3-dimethyl-	168	C12H24	055170-84-8	35
5	Pentadecane, 8-methylene-	224	C16H32	055668-09-2	32





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083529.D
Acq On : 6 Dec 2015 14:23
Operator : UM/IZ
Sample : G4614-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S5-14.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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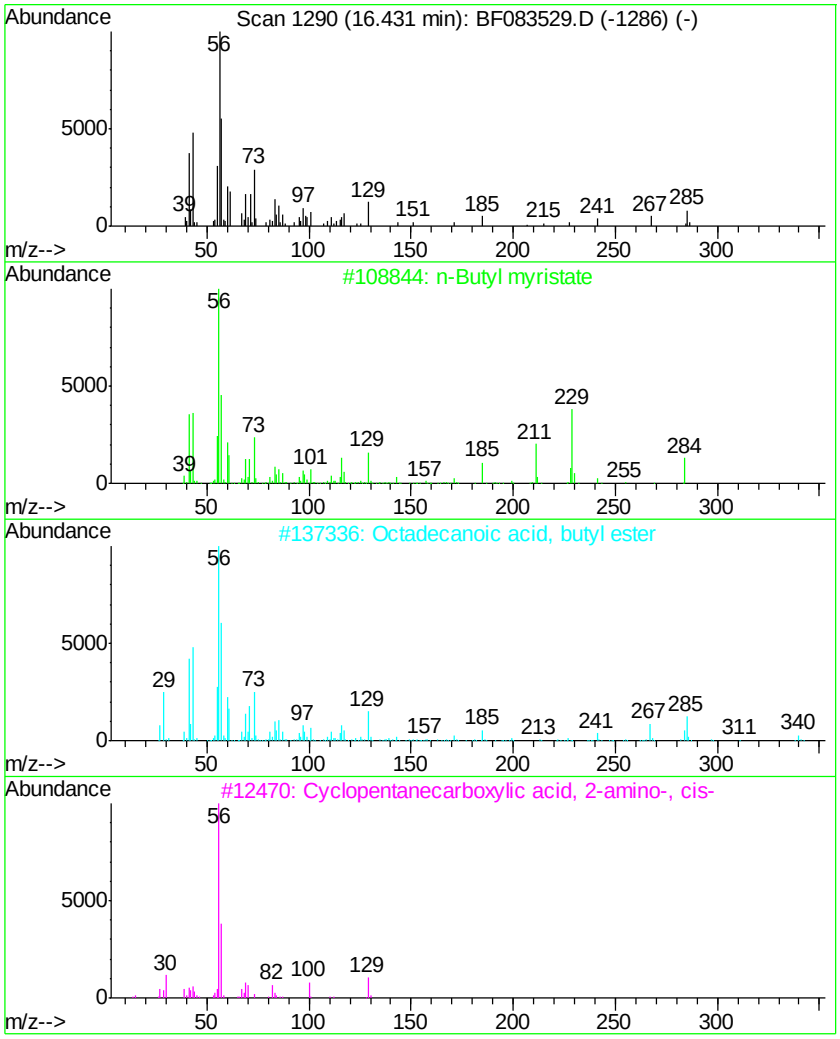
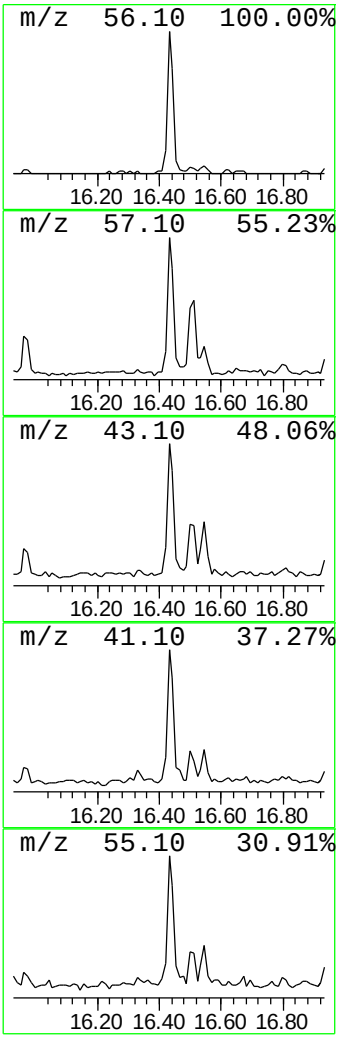
Peak Number 9 n-Butyl myristate Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	2.13 ng	194884	Chrysene-d12	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Butyl myristate	284	C18H36O2	000110-36-1	90
2	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	90
3	Cyclopentanecarboxylic acid, 2-a...	129	C6H11NO2	037910-65-9	43
4	Cyclobutane, 1,1-dimethyl-2-octyl-	196	C14H28	062338-30-1	43
5	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083529.D
Acq On : 6 Dec 2015 14:23
Operator : UM/IZ
Sample : G4614-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S5-14.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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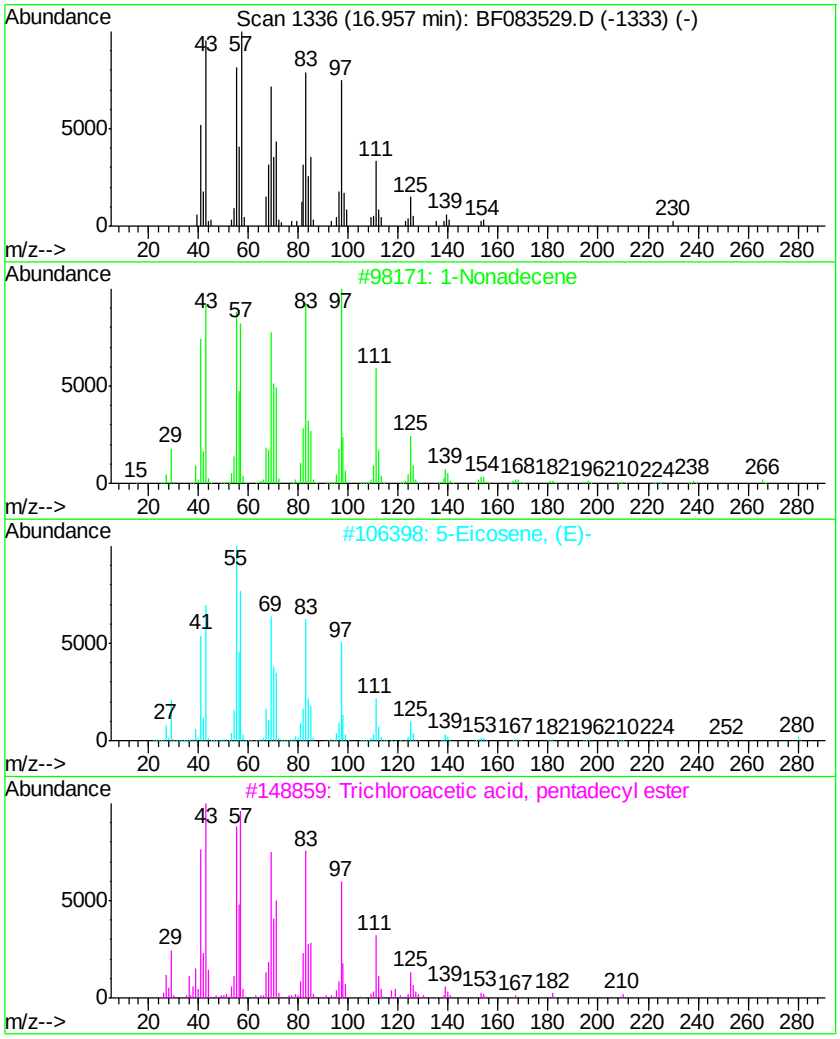
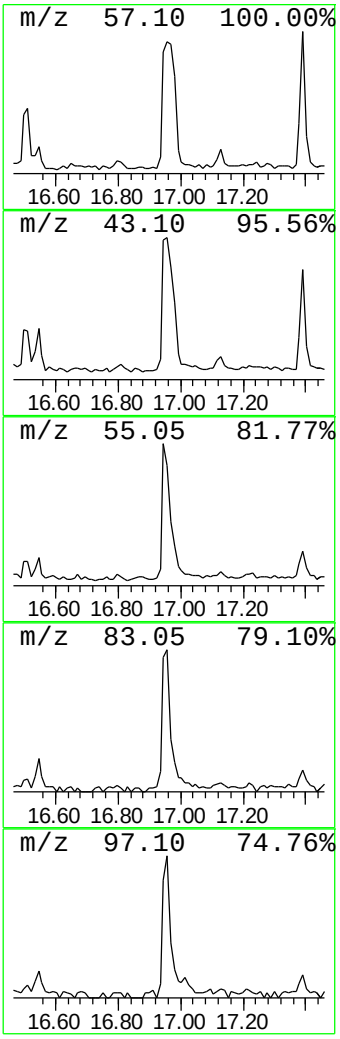
Peak Number 10 1-Nonadecene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	3.21 ng	293276	Chrysene-d12	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	91
2	5-Eicosene, (E)-	280	C20H40	074685-30-6	91
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	87
4	1-Docosene	308	C22H44	001599-67-3	87
5	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083529.D
Acq On : 6 Dec 2015 14:23
Operator : UM/IZ
Sample : G4614-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S5-14.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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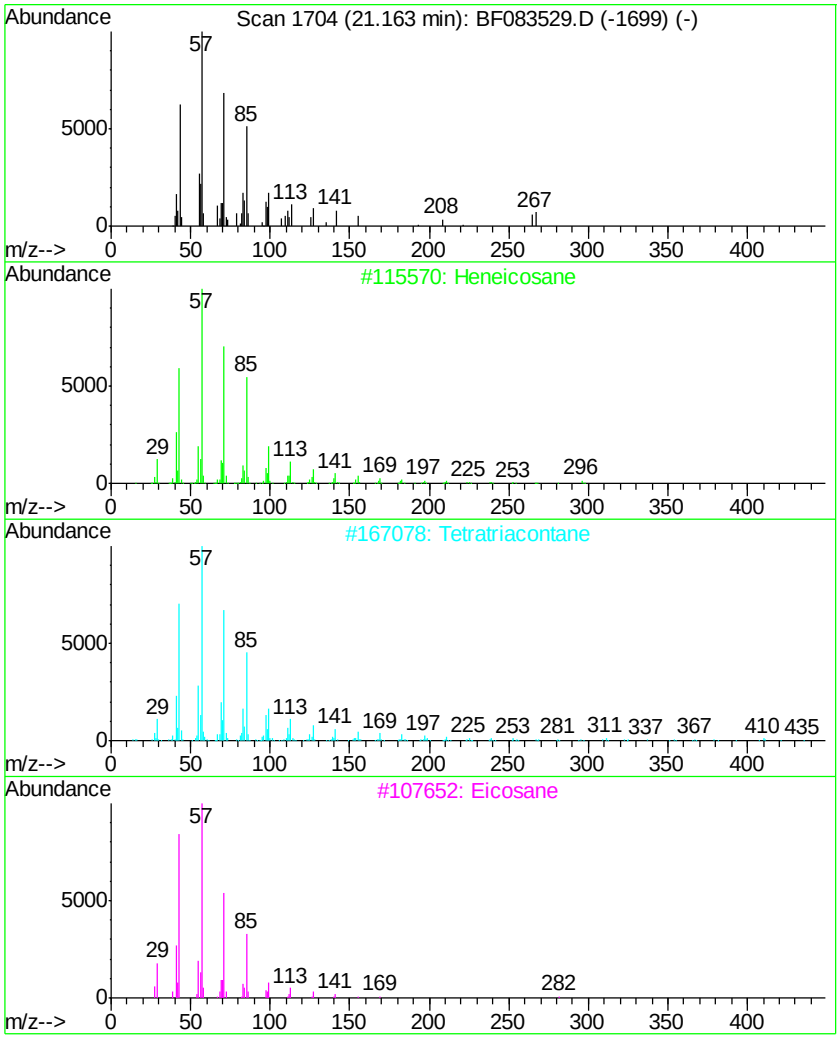
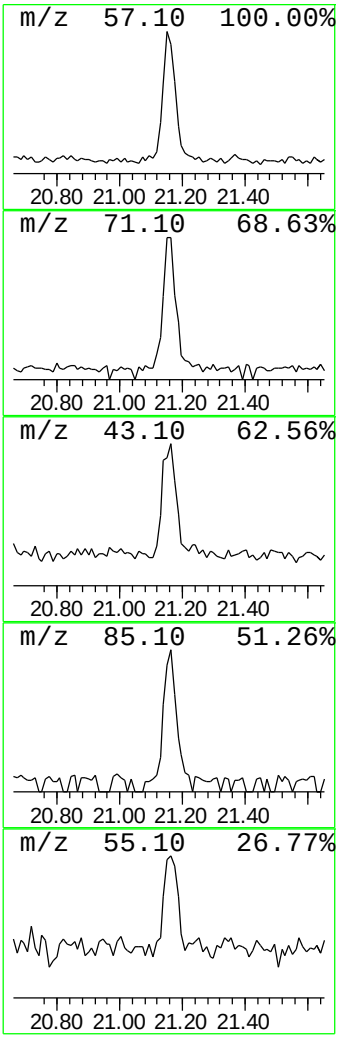
Peak Number 13 Heneicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.16	2.03 ng	125518	Perylene-d12	18.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Tetratriacontane	479	C34H70	014167-59-0	91
3	Eicosane	282	C20H42	000112-95-8	91
4	Heptadecane	240	C17H36	000629-78-7	90
5	Heptacosane	380	C27H56	000593-49-7	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
Data File : BF083529.D
Acq On : 6 Dec 2015 14:23
Operator : UM/IZ
Sample : G4614-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S5-14.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	3.58	26.0	ng	1528960	1	5.73	1175470	20.0
unknown5.42	5.42	96.8	ng	5689250	1	5.73	1175470	20.0
Hexanoic acid, 2-...	6.85	3.6	ng	289387	2	7.63	1597900	20.0
Hexadecane	11.26	2.1	ng	202898	3	10.42	1902440	20.0
Eicosane	12.04	3.9	ng	348107	4	12.82	1790870	20.0
Pentadecanoic acid	13.87	2.9	ng	259449	4	12.82	1790870	20.0
Hexadecanoic acid...	15.30	3.4	ng	313715	5	17.01	1826290	20.0
n-Butyl myristate	16.43	2.1	ng	194884	5	17.01	1826290	20.0
1-Nonadecene	16.96	3.2	ng	293276	5	17.01	1826290	20.0
Heneicosane	21.16	2.0	ng	125518	6	18.65	1235290	20.0