LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\
Data File : BF079200.D
Acq On : 13 May 2015 17:40
Operator : TP/IZ
Sample : G2195-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-SB-24-4.5

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-BF043015.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	1.370	14	16	19	rVB	347795	445466	6.86%	1.516%
2	1.507	25	28	31	rVB	126031	207529	3.19%	0.706%
3	1.678	41	43	44	rBV	147637	173523	2.67%	0.591%
4	1.701	44	45	54	rVV	346942	531579	8.18%	1.810%
5	1.827	54	56	100	rVB	2422139	6496827	100.00%	22.115%
6	5.016	333	335	343	rVB	53337	66730	1.03%	0.227%
7	5.530	377	380	382	rBV	1192087	1302390	20.05%	4.433%
8	6.799	489	491	494	rBV	1509273	1398284	21.52%	4.760%
9	6.947	501	504	506	rBV	1579522	1550447	23.86%	5.278%
10	7.233	526	529	531	rBV	366832	320898	4.94%	1.092%
11	7.416	543	545	548	rBV	1098862	1108525	17.06%	3.773%
12	7.930	587	590	592	rBV	774920	915983	14.10%	3.118%
13	8.810	664	667	670	rVB	482168	424706	6.54%	1.446%
14	10.159	782	785	787	rVV	1917229	1665165	25.63%	5.668%
15	10.662	827	829	835	rVB2	80325	106840	1.64%	0.364%
16	10.982	855	857	860	rVB2	430383	472035	7.27%	1.607%
17	11.325	881	887	889	rBV	94103	181214	2.79%	0.617%
18	11.371	889	891	896	rVB	50024	125313	1.93%	0.427%
19	11.565	905	908	911	rVB	48433	67391	1.04%	0.229%
20	11.873	930	935	936	rVV2	26261	83869	1.29%	0.285%
21	11.931	936	940	941	rVV	187931	401757	6.18%	1.368%
22	11.965	941	943	955	rVB2	1272234	1744734	26.86%	5.939%
23	12.754	1010	1012	1017	rVV	32911	66457	1.02%	0.226%
24	12.834	1017	1019	1020	rVV	470576	499214	7.68%	1.699%
25	13.462	1067	1074	1076	rBV	1107248	1973656	30.38%	6.718%
26	13.554	1080	1082	1084	rBV	100227	131918	2.03%	0.449%
27	14.354	1151	1152	1157	rVB	93119	138147	2.13%	0.470%
28	14.639	1175	1177	1179	rVB	96281	112875	1.74%	0.384%
29	14.868	1194	1197	1199	rVB	1775237	1898949	29.23%	6.464%
30	15.234	1226	1229	1234	rVB2	26898	66141	1.02%	0.225%
31	15.668	1263	1267	1269	rVV2	445022	732143	11.27%	2.492%
32	15.714	1269	1271	1282	rVB	206537	378329	5.82%	1.288%
33	16.182	1309	1312	1318	rVV	174168	322451	4.96%	1.098%
34	16.297	1319	1322	1324	rVV2	453328	693338	10.67%	2.360%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\
Data File : BF079200.D
Acq On : 13 May 2015 17:40
Operator : TP/IZ
Sample : G2195-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-SB-24-4.5

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-BF043015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.343	1324	1326	1327	rVV	67224	105275	1.62%	0.358%
36	16.377	1327	1329	1332	rVB	51024	72436	1.11%	0.247%
37	16.925	1372	1377	1382	rVB2	55315	113381	1.75%	0.386%
38	17.165	1395	1398	1404	rVB	65070	114266	1.76%	0.389%
39	17.577	1430	1434	1436	rBV	40501	90464	1.39%	0.308%
40	17.851	1455	1458	1460	rBV	50067	98848	1.52%	0.336%
41	18.011	1469	1472	1477	rBV2	44872	120059	1.85%	0.409%
42	18.183	1481	1487	1491	rVV	388445	686624	10.57%	2.337%
43	18.411	1504	1507	1510	rBV	420242	601637	9.26%	2.048%
44	19.143	1567	1571	1573	rVV2	30738	93185	1.43%	0.317%
45	19.189	1573	1575	1580	rVV3	49428	120209	1.85%	0.409%
46	19.966	1640	1643	1649	rVB2	35068	81023	1.25%	0.276%
47	20.274	1668	1670	1677	rVB2	24989	74725	1.15%	0.254%
48	20.560	1691	1695	1699	rBV7	36038	123378	1.90%	0.420%
49	20.640	1699	1702	1704	rBV4	29235	76610	1.18%	0.261%

Sum of corrected areas: 29376943

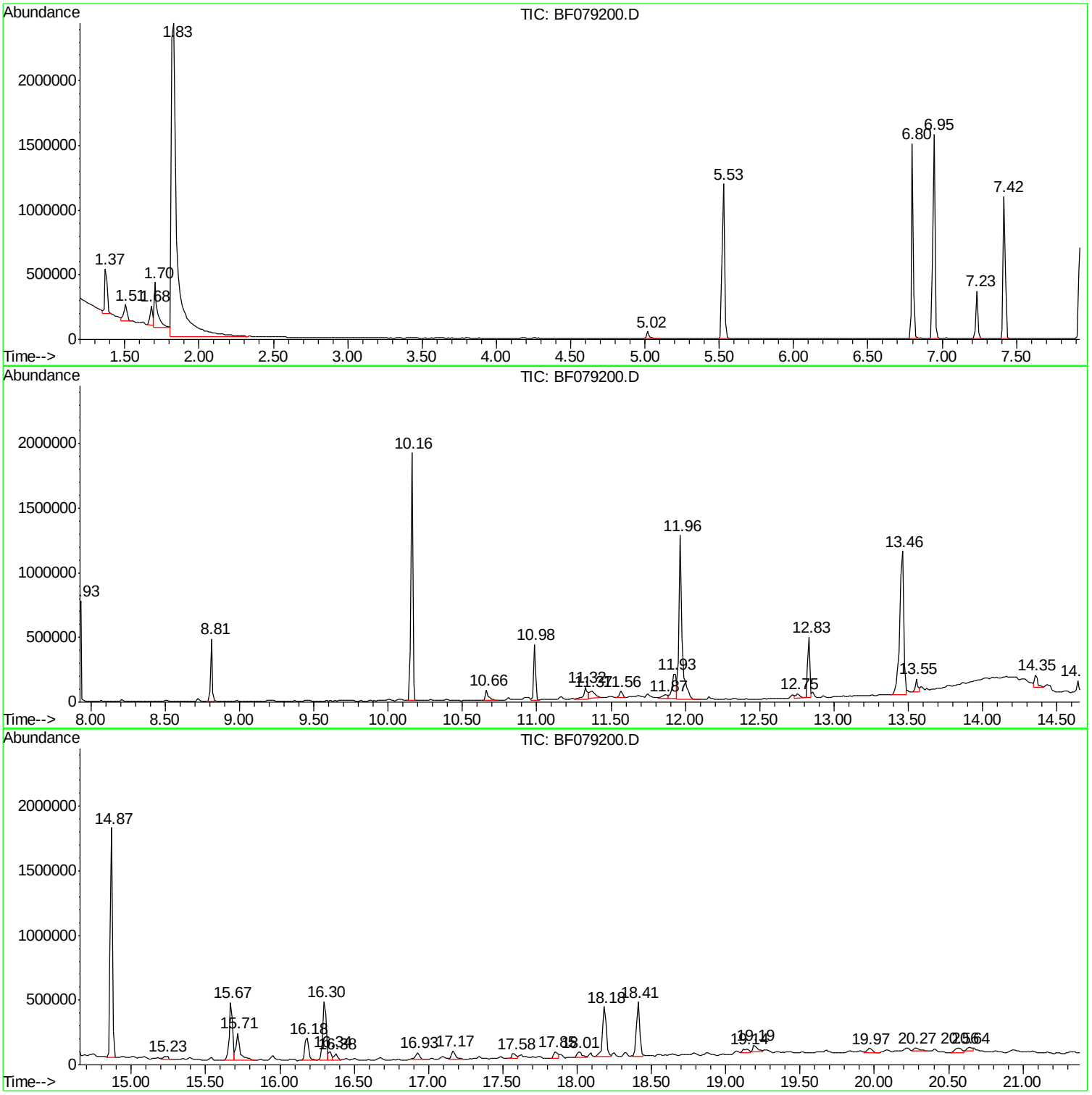
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\
Data File : BF079200.D
Acq On : 13 May 2015 17:40
Operator : TP/IZ
Sample : G2195-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-SB-24-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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\BF051315\
Data File : BF079200.D
Acq On : 13 May 2015 17:40
Operator : TP/IZ
Sample : G2195-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-SB-24-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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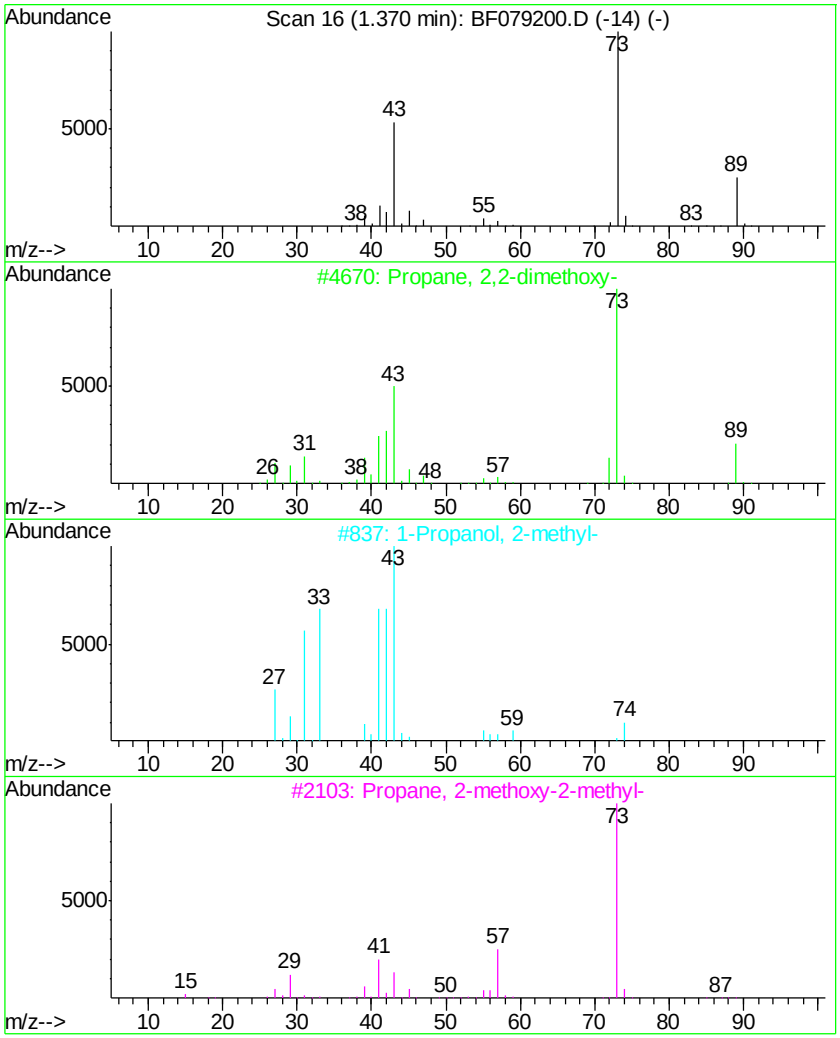
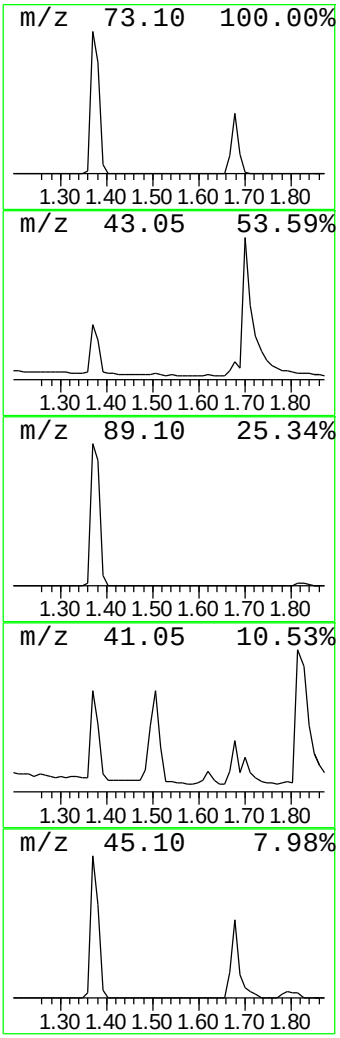
Peak Number 1 unknown1.37 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	27.76 ng	445466	1,4-Dichlorobenzene-d4	7.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	38
2	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
3	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
4	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9
5	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\
Data File : BF079200.D
Acq On : 13 May 2015 17:40
Operator : TP/IZ
Sample : G2195-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-SB-24-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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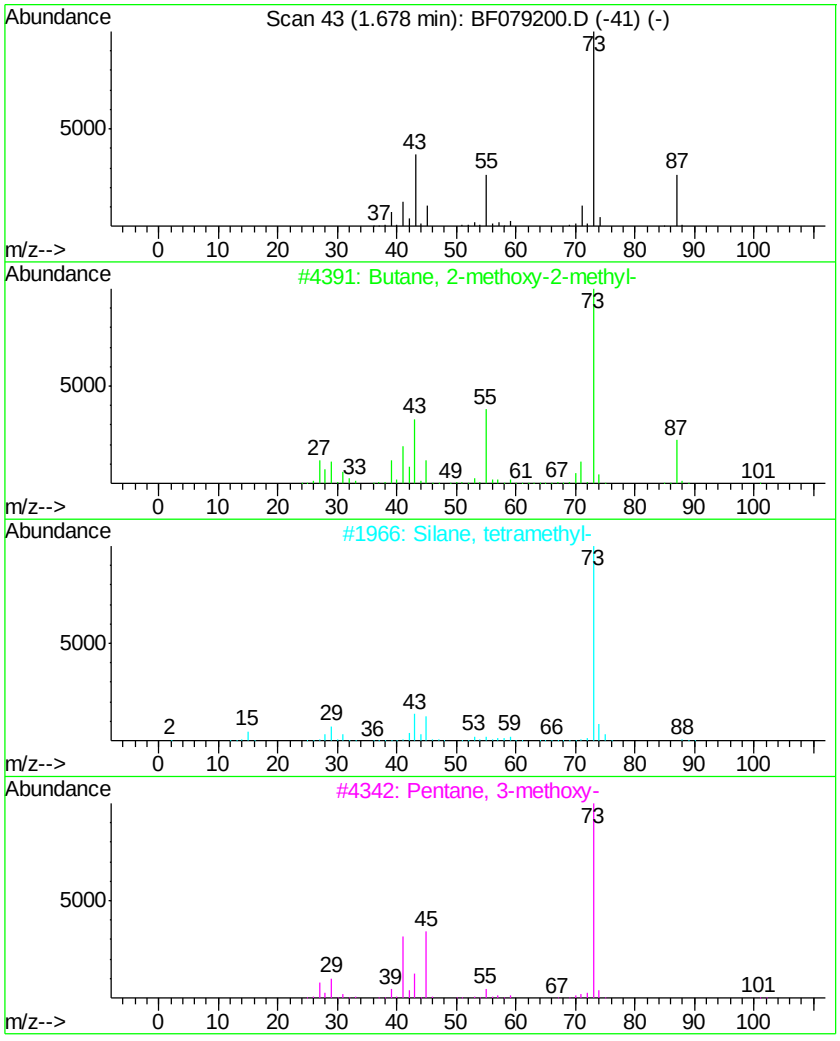
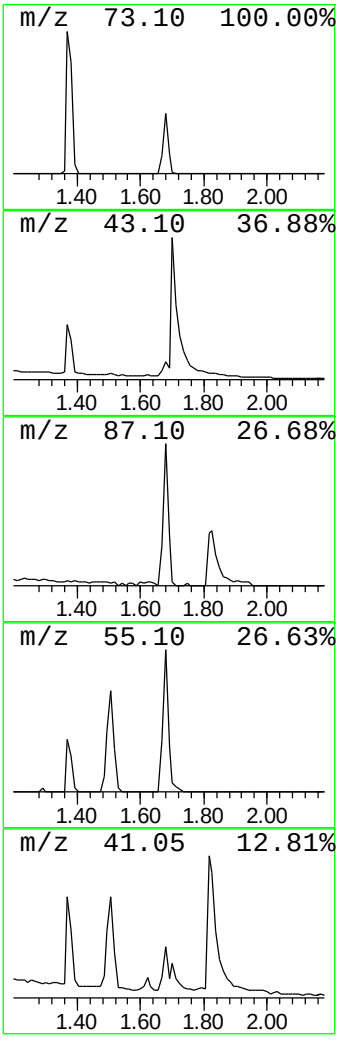
Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.68	10.81 ng	173523	1,4-Dichlorobenzene-d4	7.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	43
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\
Data File : BF079200.D
Acq On : 13 May 2015 17:40
Operator : TP/IZ
Sample : G2195-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-SB-24-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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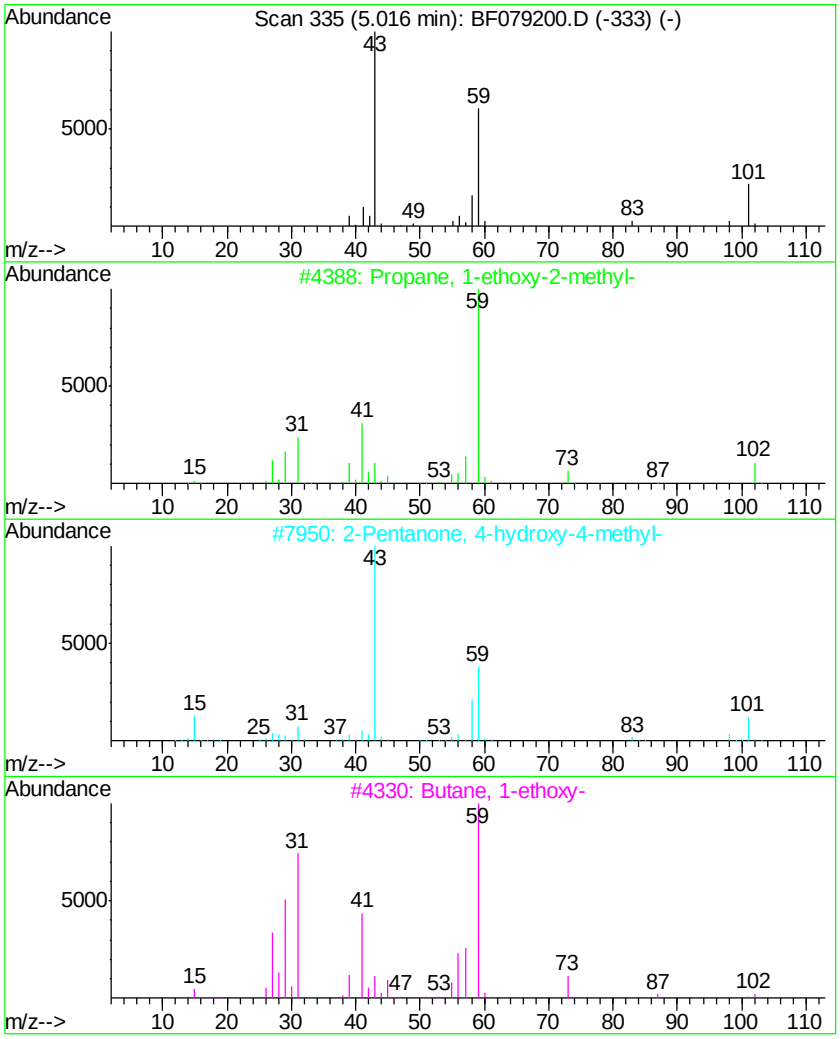
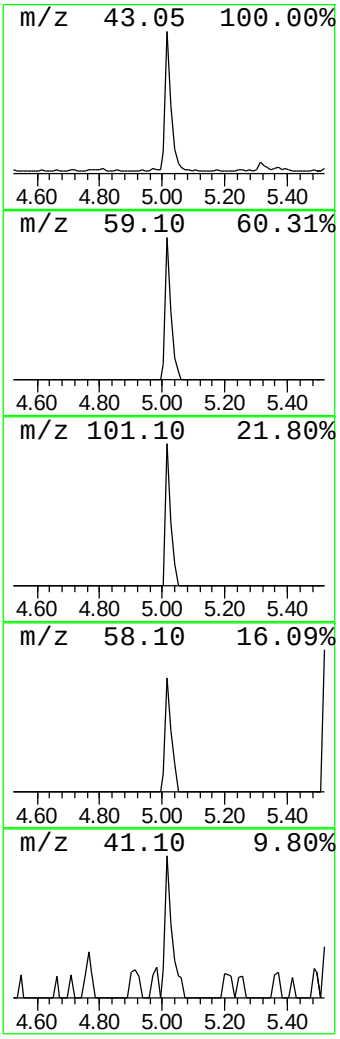
Peak Number 6 unknown5.02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	4.16 ng	66730	1,4-Dichlorobenzene-d4	7.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	35
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	33
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\
Data File : BF079200.D
Acq On : 13 May 2015 17:40
Operator : TP/IZ
Sample : G2195-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-SB-24-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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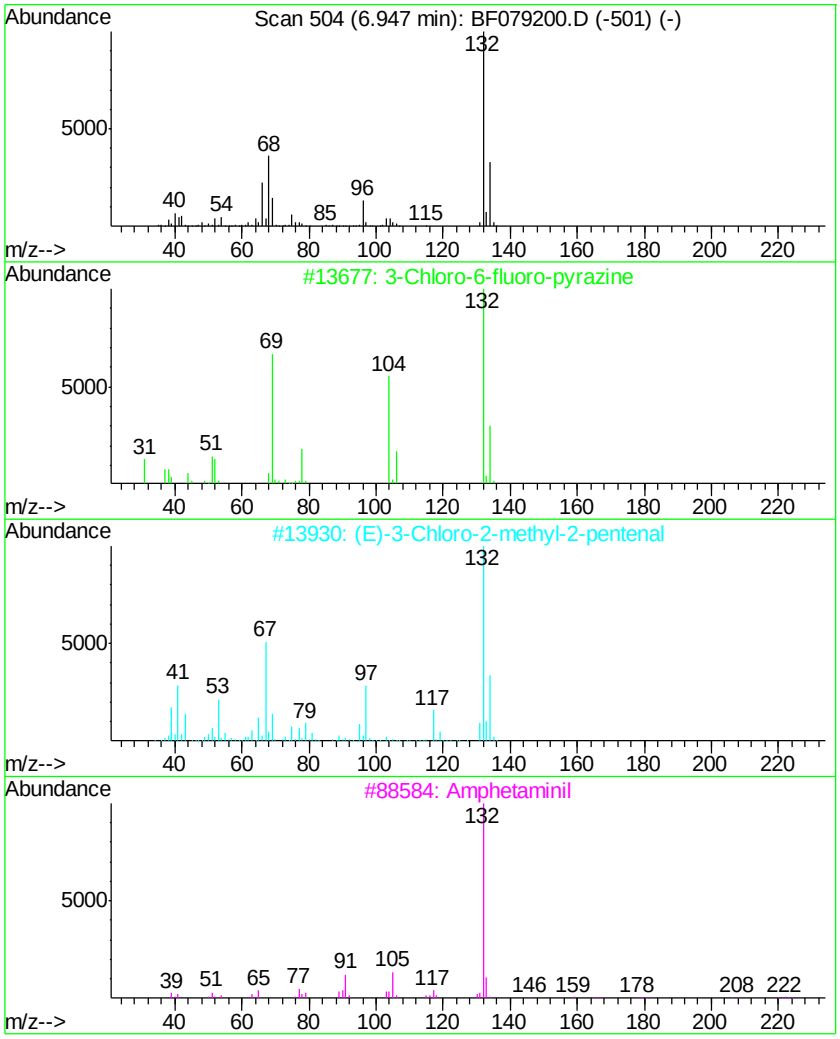
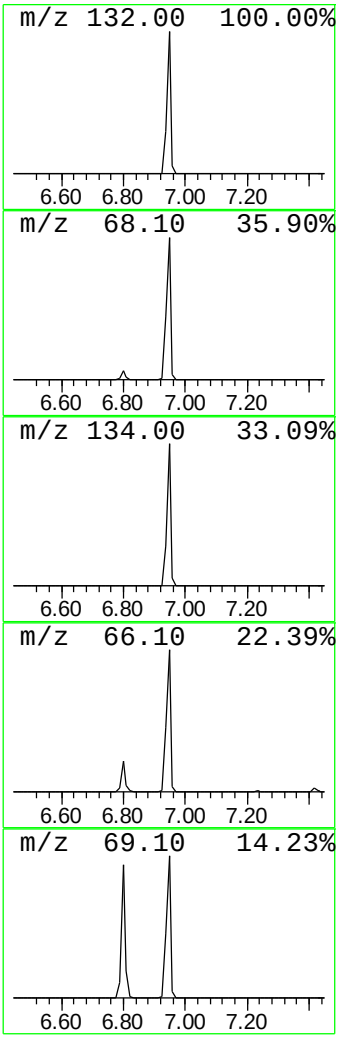
Peak Number 7 unknown6.95 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.95	96.63 ng	1550450	1,4-Dichlorobenzene-d4	7.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\
Data File : BF079200.D
Acq On : 13 May 2015 17:40
Operator : TP/IZ
Sample : G2195-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-SB-24-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

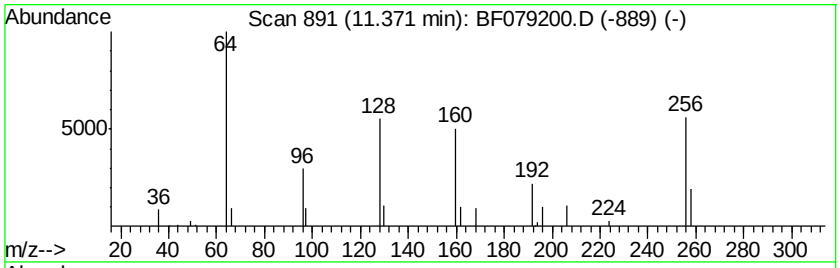
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

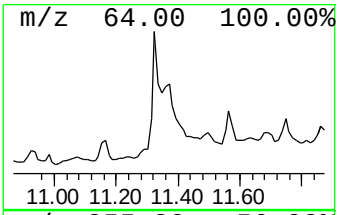
****

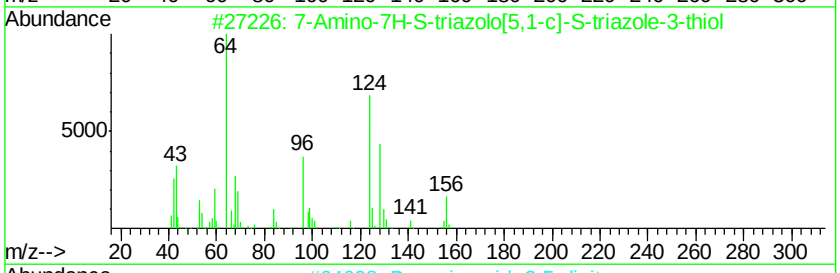
Peak Number 10 unknown11.37 Concentration Rank 14

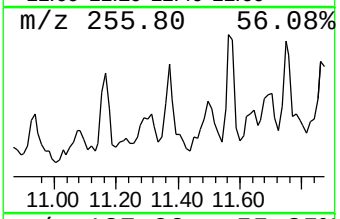
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	5.31 ng	125313	Acenaphthene-d10	10.98

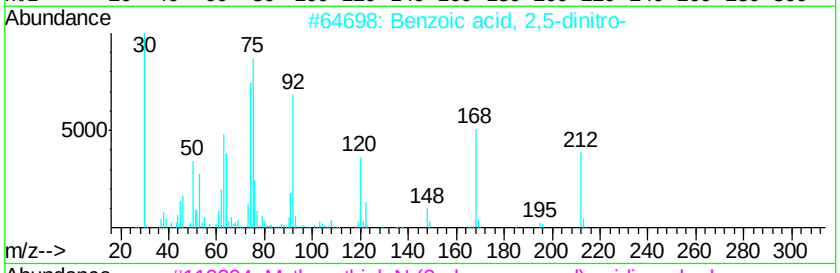
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Amino-7H-S-triazolo[5,1-c]-S-t...	156	C3H4N6S	013728-28-4	33
2	Benzoic acid, 2,5-dinitro-	212	C7H4N2O6	000610-28-6	10
3	Methanethiol, N-(3-phenoxypropyl...	304	C11H16N2O4S2	040283-89-4	9
4	Isophosphinoline, 1-methyl-	160	C10H9P	057328-60-6	5
5	Isophosphinoline, 3-methyl-	160	C10H9P	049622-63-1	5

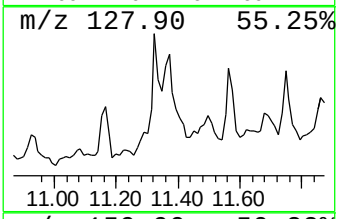


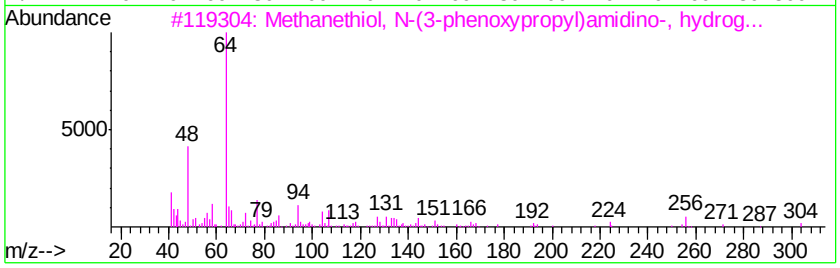


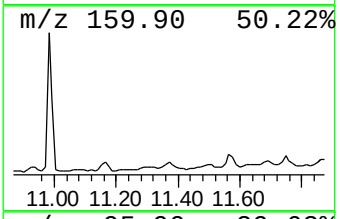


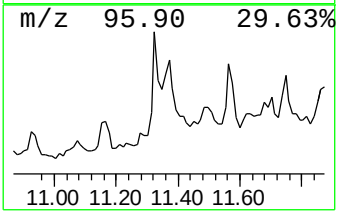












Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\
Data File : BF079200.D
Acq On : 13 May 2015 17:40
Operator : TP/IZ
Sample : G2195-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-SB-24-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

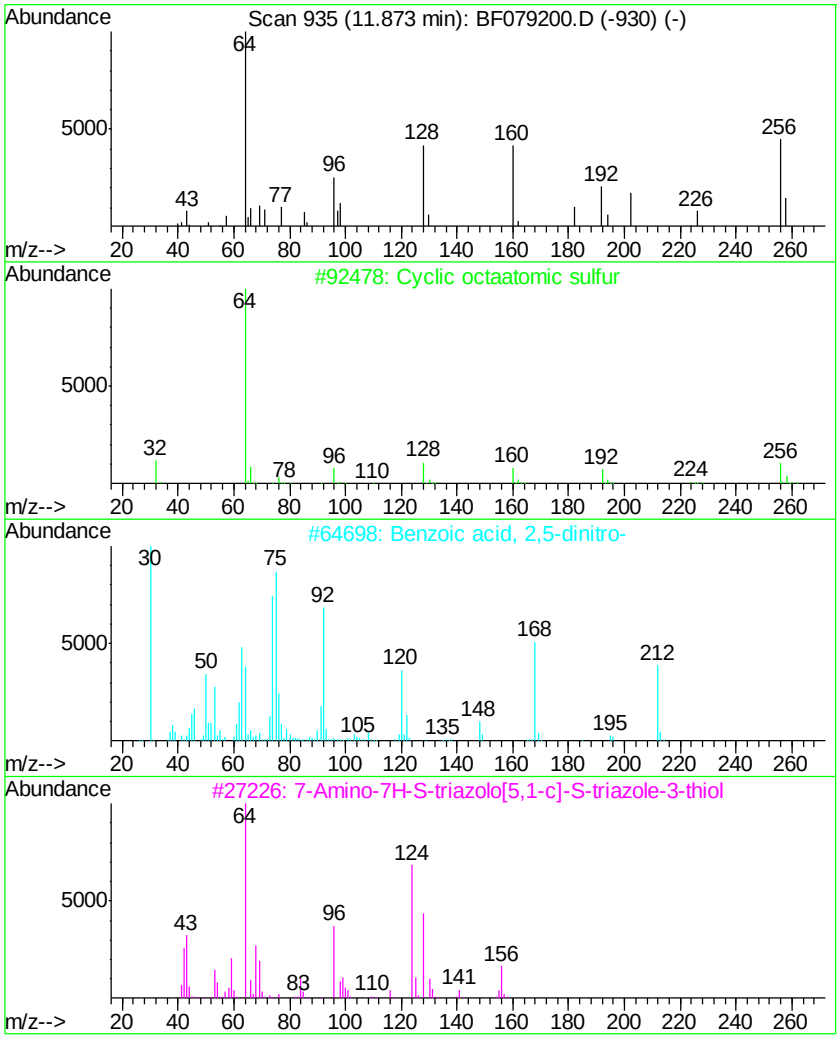
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

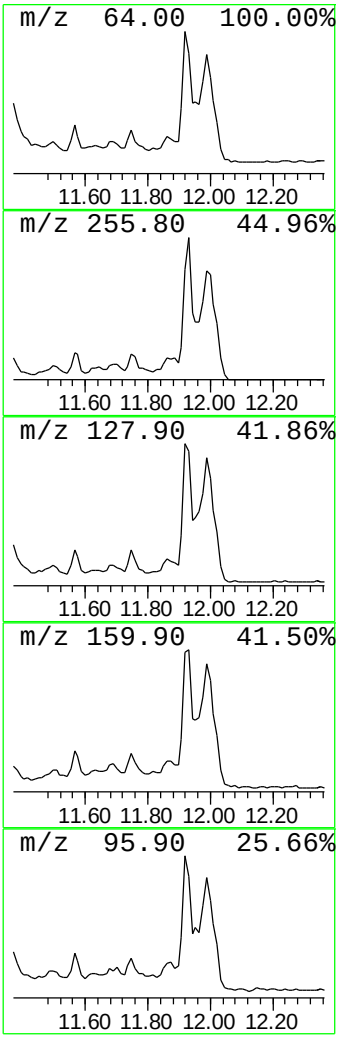
****

Peak Number 11 Cyclic octaatomic sulfur Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	3.55 ng	83869	Acenaphthene-d10	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclic octaatomic sulfur	256	S8	010544-50-0	87
2	Benzoic acid, 2,5-dinitro-	212	C7H4N2O6	000610-28-6	47
3	7-Amino-7H-S-triazolo[5,1-c]-S-t...	156	C3H4N6S	013728-28-4	12
4	1,2,5,6-Tetrathiocane	184	C4H8S4	001940-01-8	9
5	Sulfur dioxide	64	O2S	007446-09-5	4





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\
Data File : BF079200.D
Acq On : 13 May 2015 17:40
Operator : TP/IZ
Sample : G2195-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-SB-24-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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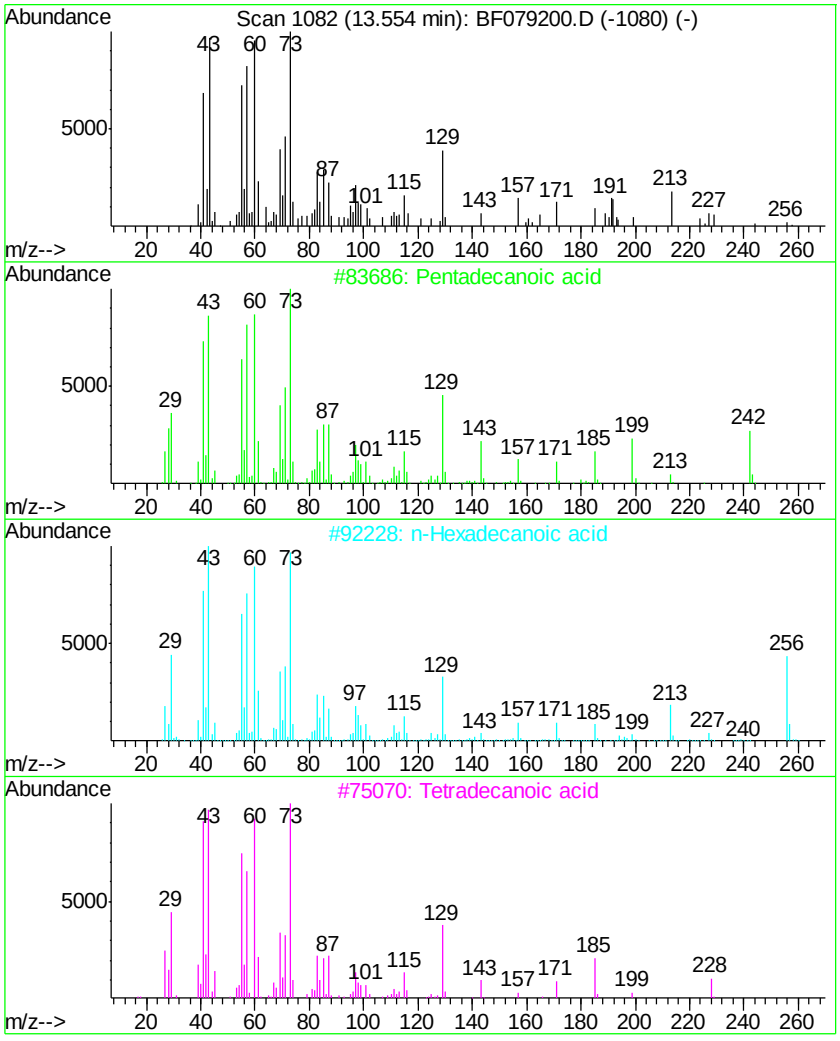
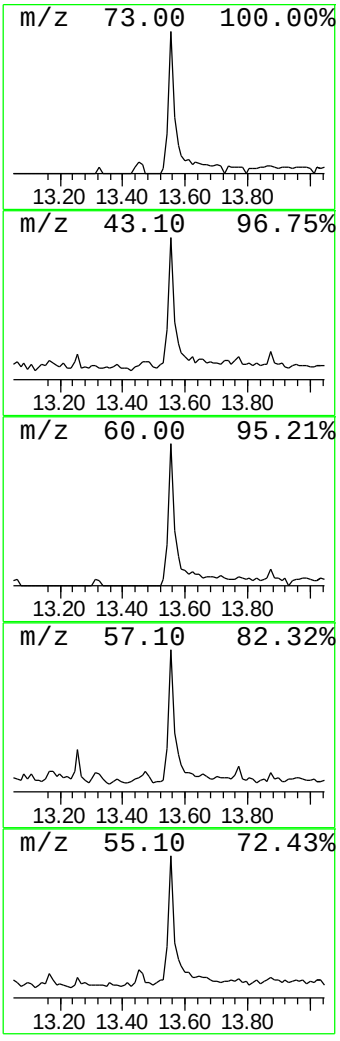
Peak Number 13 Pentadecanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	5.29 ng	131918	Phenanthrene-d10	12.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4	Tridecanoic acid	214	C13H26O2	000638-53-9	72
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\
Data File : BF079200.D
Acq On : 13 May 2015 17:40
Operator : TP/IZ
Sample : G2195-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-SB-24-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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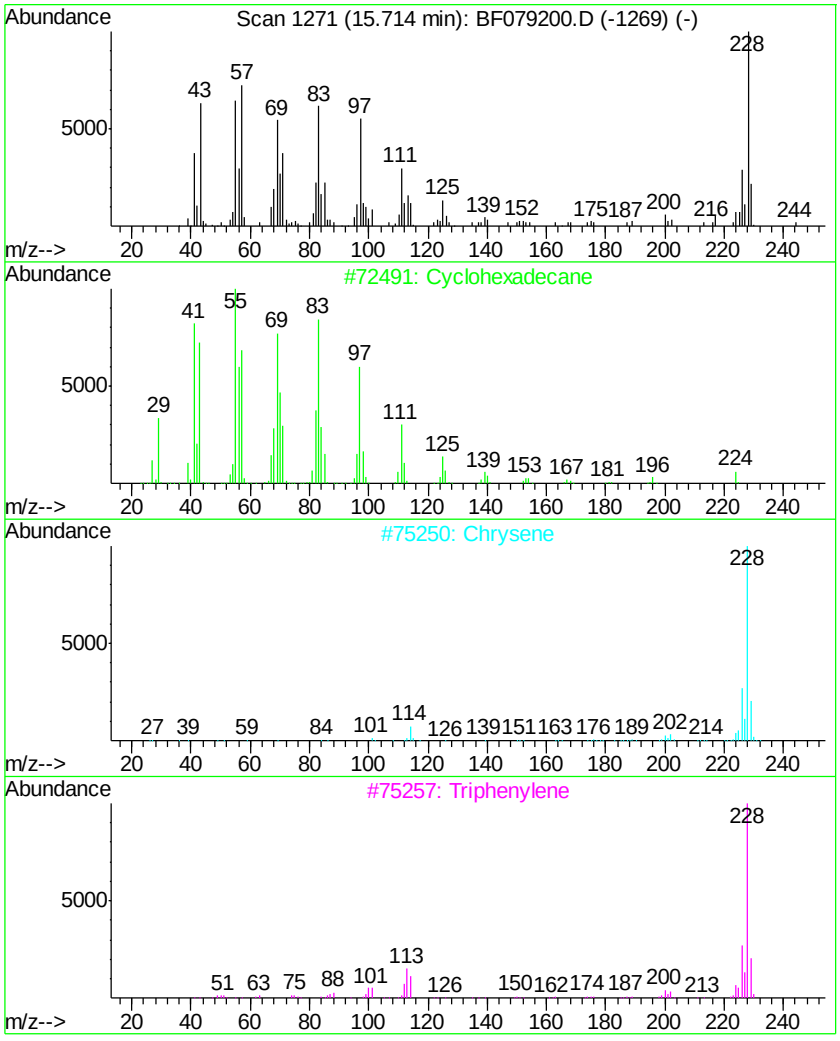
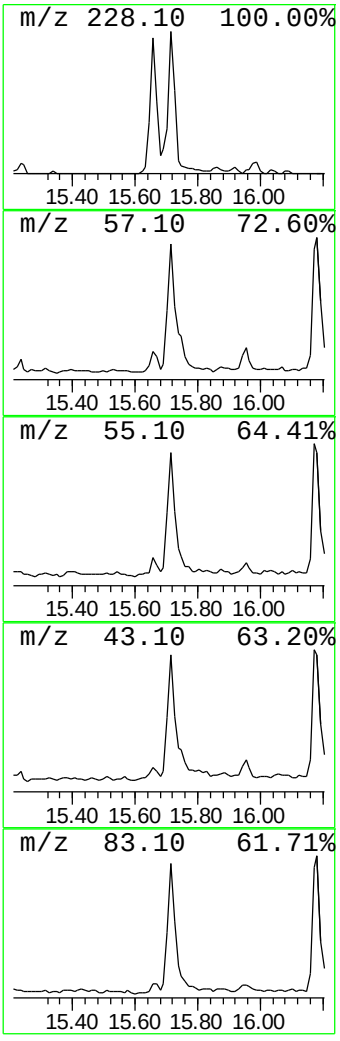
Peak Number 15 Cyclohexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	10.91 ng	378329	Chrysene-d12	16.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	93
2	Chrysene	228	C18H12	000218-01-9	64
3	Triphenylene	228	C18H12	000217-59-4	62
4	Benz[a]anthracene	228	C18H12	000056-55-3	62
5	1-Docosene	308	C22H44	001599-67-3	46





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Data File : BF079200.D
Acq On : 13 May 2015 17:40
Operator : TP/IZ
Sample : G2195-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-SB-24-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
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TIC Library : C:\DATABASE\NIST02.L
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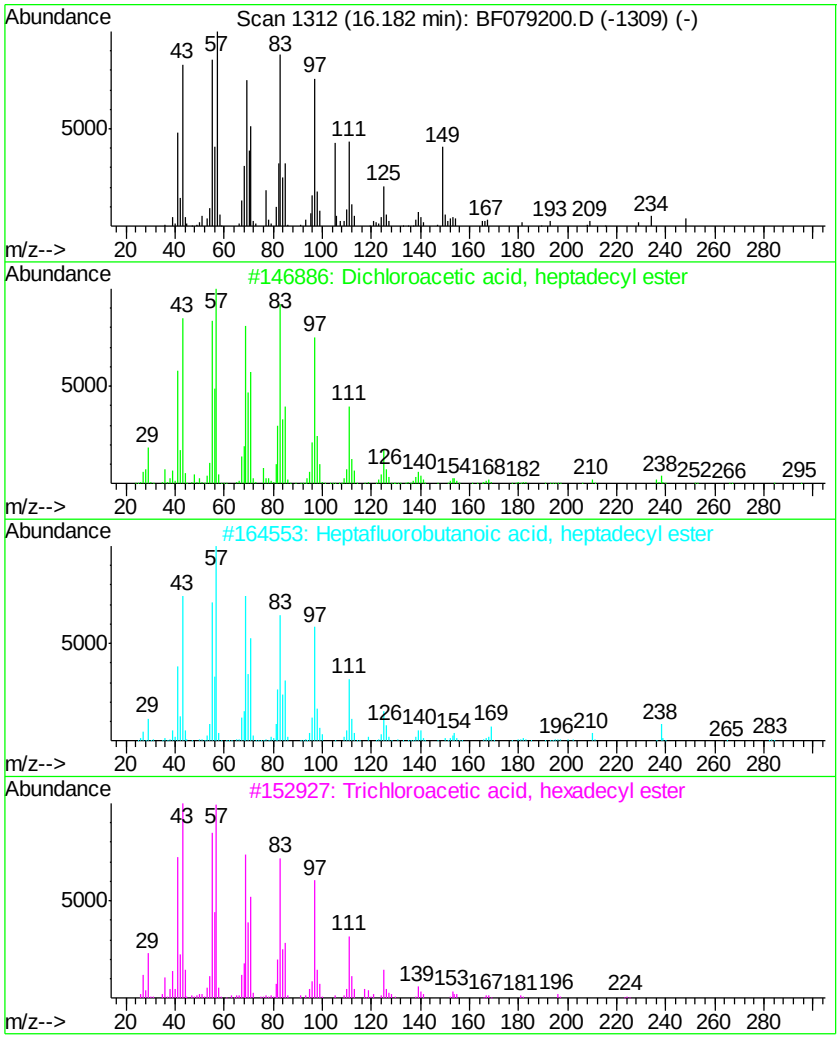
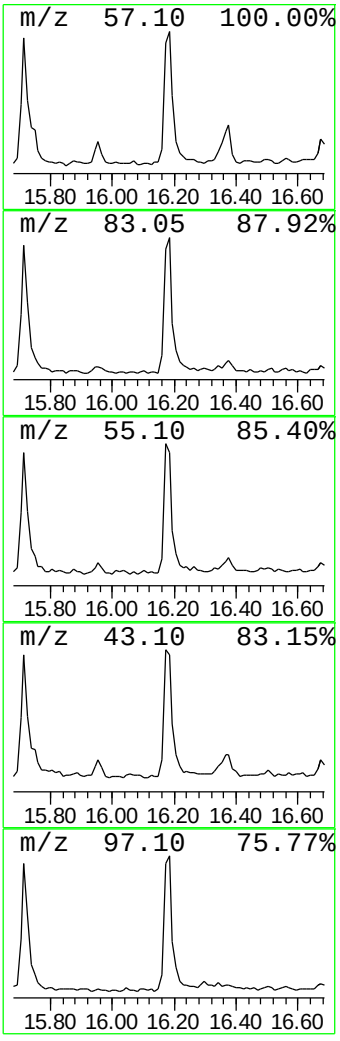
Peak Number 16 Dichloroacetic acid, heptad... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	9.30 ng	322451	Chrysene-d12	16.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	93
2	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	93
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
4	1-Nonadecene	266	C19H38	018435-45-5	87
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	86





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Data File : BF079200.D
Acq On : 13 May 2015 17:40
Operator : TP/IZ
Sample : G2195-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-SB-24-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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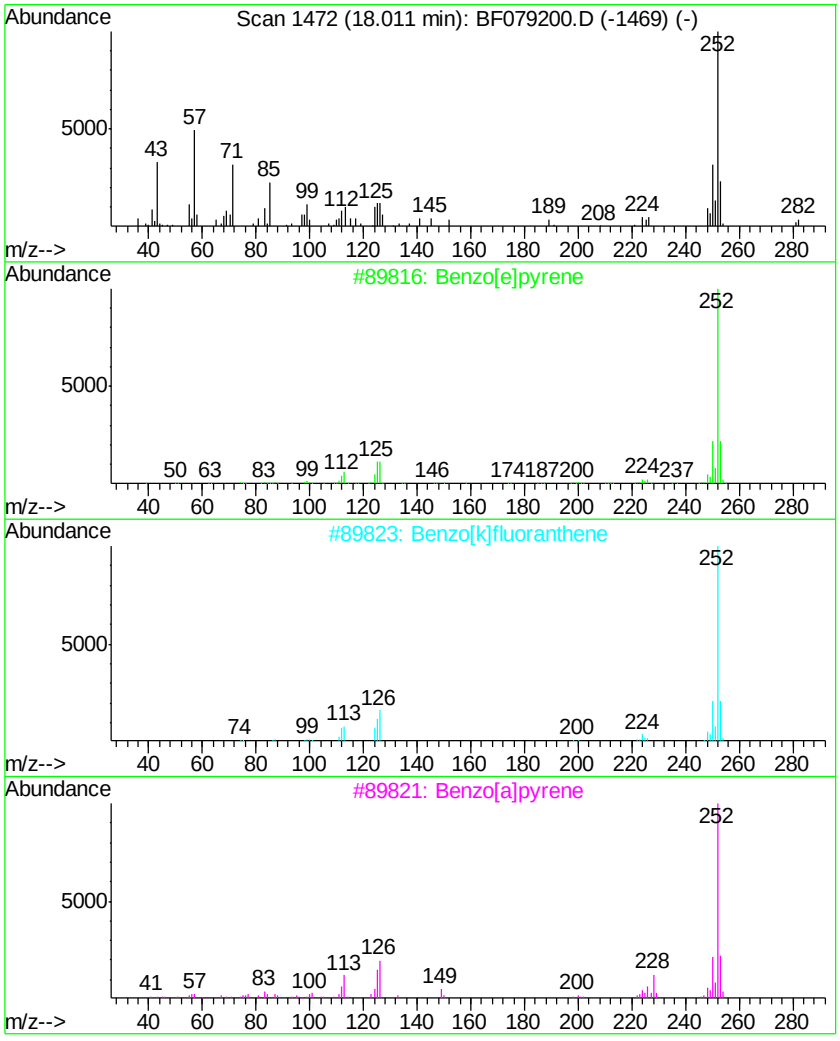
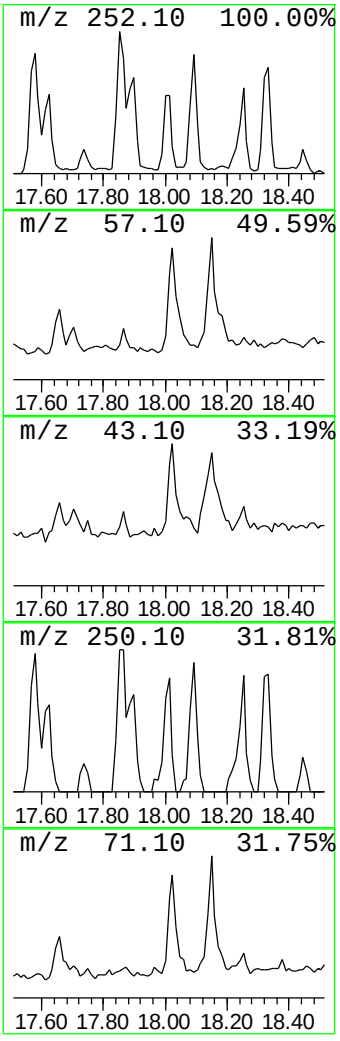
Peak Number 17 Benzo[e]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	3.50 ng	120059	Perylene-d12	18.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	89
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	83
3	Benzo[a]pyrene	252	C20H12	000050-32-8	70
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	70
5	Perylene	252	C20H12	000198-55-0	64





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Data File : BF079200.D
Acq On : 13 May 2015 17:40
Operator : TP/IZ
Sample : G2195-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-SB-24-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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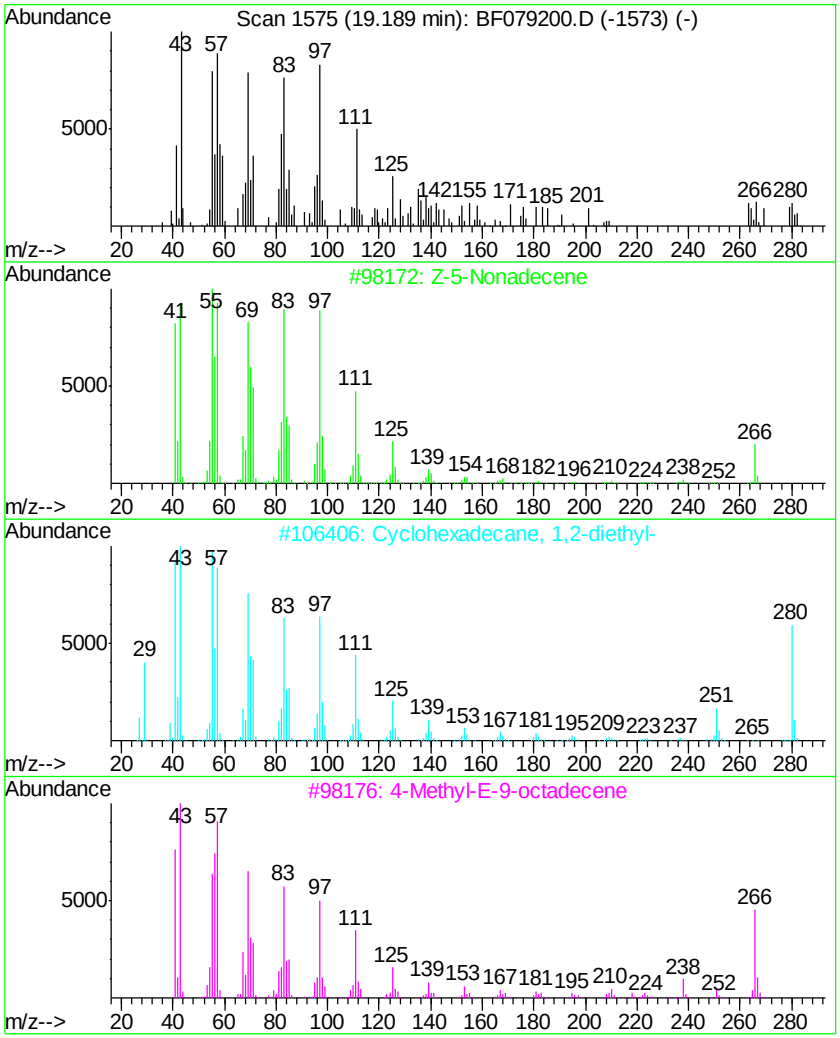
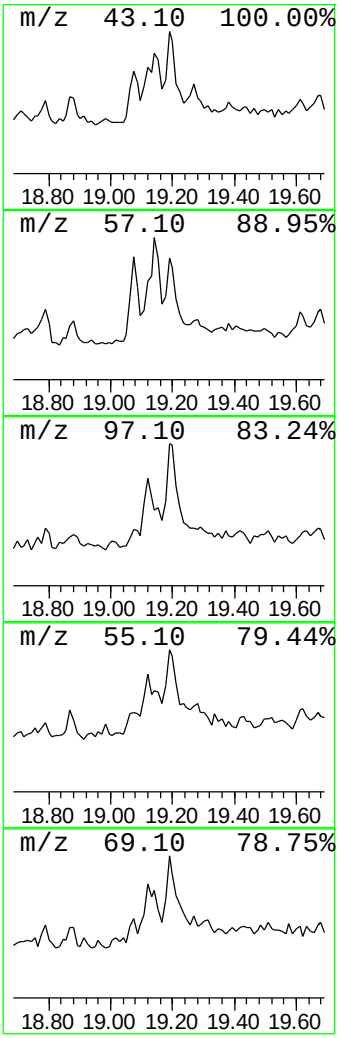
Peak Number 19 Z-5-Nonadecene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.19	3.50 ng	120209	Perylene-d12	18.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Z-5-Nonadecene	266	C19H38	1000131-11-8	81
2	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	74
3	4-Methyl-E-9-octadecene	266	C19H38	1000130-87-1	60
4	1-Eicosanol	298	C20H42O	000629-96-9	49
5	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051315\
Data File : BF079200.D
Acq On : 13 May 2015 17:40
Operator : TP/IZ
Sample : G2195-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-SB-24-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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
unknown1.37	1.37	27.8	ng	445466	1	7.23	320898	20.0
Butane, 2-methoxy...	1.68	10.8	ng	173523	1	7.23	320898	20.0
unknown5.02	5.02	4.2	ng	66730	1	7.23	320898	20.0
unknown6.95	6.95	96.6	ng	1550450	1	7.23	320898	20.0
unknown11.37	11.37	5.3	ng	125313	3	10.98	472035	20.0
Cyclic octaatomic...	11.87	3.5	ng	83869	3	10.98	472035	20.0
Pentadecanoic acid	13.55	5.3	ng	131918	4	12.83	499214	20.0
Cyclohexadecane	15.71	10.9	ng	378329	5	16.30	693338	20.0
Dichloroacetic ac...	16.18	9.3	ng	322451	5	16.30	693338	20.0
Benzo[e]pyrene	18.01	3.5	ng	120059	6	18.18	686624	20.0
Z-5-Nonadecene	19.19	3.5	ng	120209	6	18.18	686624	20.0