LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086935.D
Acq On : 12 May 2016 17:26
Operator : UM/SJ
Sample : H2968-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP40-4FT

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-BF050916.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	1.632	3	4	12	rVB	602904	931903	13.21%	1.891%
2	1.747	12	14	40	rVB	3011797	7055636	100.00%	14.315%
3	2.090	41	44	46	rVB2	73600	109047	1.55%	0.221%
4	3.656	178	181	183	rVB2	157182	214885	3.05%	0.436%
5	4.764	276	278	285	rBV	143395	253806	3.60%	0.515%
6	5.221	315	318	320	rBV	2616866	3743111	53.05%	7.594%
7	5.633	351	354	357	rVB2	293336	380889	5.40%	0.773%
8	6.284	408	411	414	rBV	3273580	3680609	52.17%	7.468%
9	6.399	418	421	423	rBV	3015926	3805866	53.94%	7.722%
10	6.616	438	440	443	rBV	953255	1081457	15.33%	2.194%
11	6.776	451	454	456	rBV	3064022	2978388	42.21%	6.043%
12	6.993	470	473	474	rBV	108286	106065	1.50%	0.215%
13	7.199	488	491	493	rBV	2037253	2721695	38.57%	5.522%
14	7.907	551	553	556	rBV	1592555	1467369	20.80%	2.977%
15	8.056	563	566	569	rVB	181016	277199	3.93%	0.562%
16	8.570	608	611	616	rVB4	55190	90660	1.28%	0.184%
17	8.787	627	630	634	rVB	230995	237073	3.36%	0.481%
18	8.993	645	648	650	rBV	2647535	3839277	54.41%	7.790%
19	9.073	652	655	657	rBV	373100	429265	6.08%	0.871%
20	9.256	667	671	672	rBV3	45022	87077	1.23%	0.177%
21	9.279	672	673	674	rVV	103985	80237	1.14%	0.163%
22	9.325	674	677	680	rVV4	45478	107364	1.52%	0.218%
23	9.393	680	683	684	rVV2	217447	317748	4.50%	0.645%
24	9.450	686	688	691	rBV	121569	175993	2.49%	0.357%
25	9.599	700	701	703	rVB	192513	174692	2.48%	0.354%
26	9.656	703	706	708	rBV	1791598	1683026	23.85%	3.415%
27	9.816	718	720	723	rBV2	203299	245209	3.48%	0.498%
28	9.976	731	734	736	rVB3	106018	127636	1.81%	0.259%
29	10.102	742	745	746	rBV	273017	244298	3.46%	0.496%
30	10.319	761	764	767	rBV	113537	160040	2.27%	0.325%
31	10.445	772	775	778	rVV	2715884	2743798	38.89%	5.567%
32	10.490	778	779	784	rVV5	40329	75488	1.07%	0.153%
33	10.570	784	786	791	rVB	285480	388600	5.51%	0.788%
34	10.742	799	801	805	rBV2	185860	203178	2.88%	0.412%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086935.D
Acq On : 12 May 2016 17:26
Operator : UM/SJ
Sample : H2968-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP40-4FT

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-BF050916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.016	823	825	826	rVV	158341	135949	1.93%	0.276%
36	11.131	833	835	838	rVV	1721651	1602858	22.72%	3.252%
37	11.679	881	883	887	rBV	115135	140758	1.99%	0.286%
38	12.102	918	920	921	rBV	586147	406085	5.76%	0.824%
39	12.719	971	974	976	rBV	3581416	3421788	48.50%	6.943%
40	13.028	999	1001	1003	rVV3	38875	77990	1.11%	0.158%
41	13.062	1003	1004	1010	rVB4	61567	134290	1.90%	0.272%
42	13.245	1019	1020	1022	rVB2	105077	104727	1.48%	0.212%
43	13.634	1051	1054	1058	rBV2	103879	237435	3.37%	0.482%
44	13.759	1063	1065	1067	rBV	1386544	1357046	19.23%	2.753%
45	14.239	1105	1107	1110	rBV4	27903	79385	1.13%	0.161%
46	14.525	1130	1132	1135	rBV2	81029	145259	2.06%	0.295%
47	15.120	1181	1184	1191	rVB	830234	1039983	14.74%	2.110%
48	16.765	1325	1328	1332	rBV4	51951	92214	1.31%	0.187%
49	18.537	1475	1483	1486	rBV4	27749	92916	1.32%	0.189%

Sum of corrected areas: 49287267

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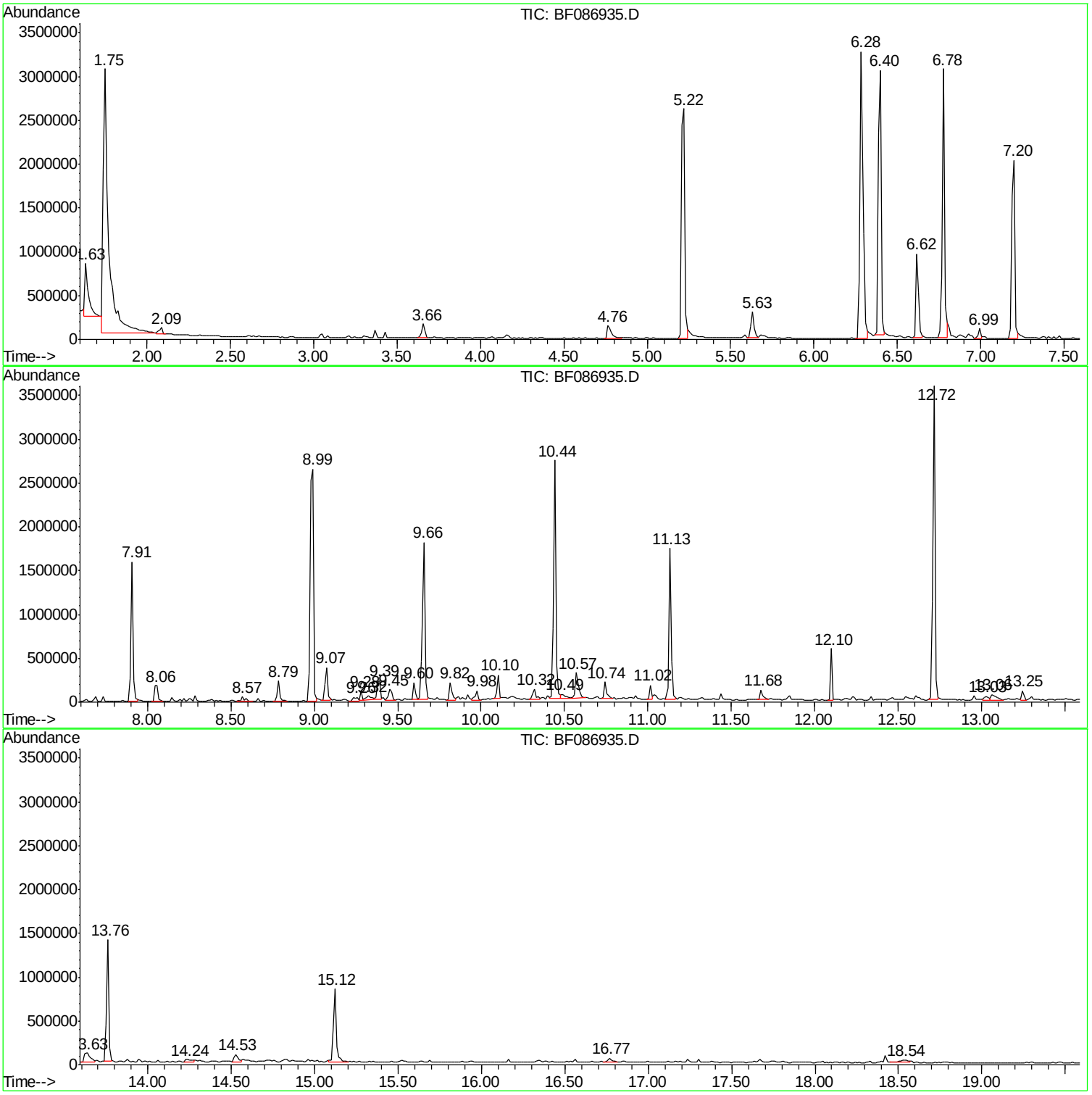
Sample : H2968-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP40-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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\BF051216\
Data File : BF086935.D
Acq On : 12 May 2016 17:26
Operator : UM/SJ
Sample : H2968-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP40-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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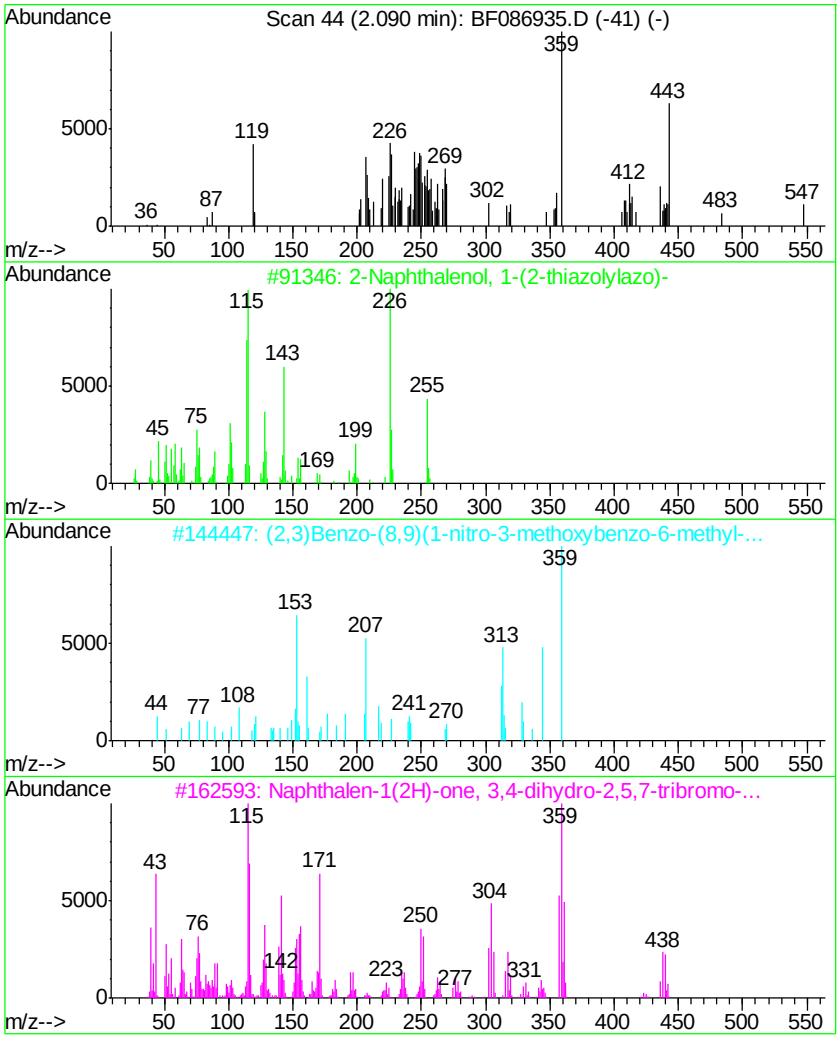
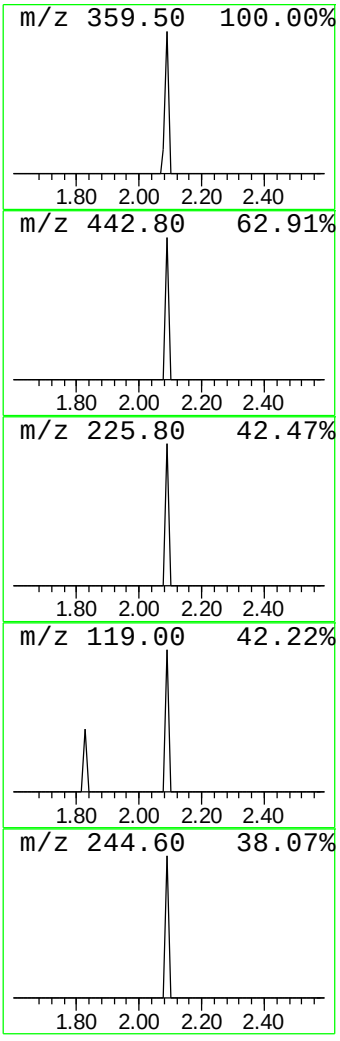
Peak Number 3 unknown2.09 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.09	2.02 ng	109047	1,4-Dichlorobenzene-d4	6.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenol, 1-(2-thiazolylazo)-	255	C13H9N3OS	001147-56-4	10
2	(2,3)Benzo-(8,9)(1-nitro-3-metho...	359	C17H13NO4S2	1000148-99-4	10
3	Naphthalen-1(2H)-one, 3,4-dihydr...	436	C14H15Br3O	1000266-19-2	10
4	(2-Amino-5-methyl-phenyl)-phenyl...	226	C14H14N2O	092849-74-6	10
5	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086935.D
Acq On : 12 May 2016 17:26
Operator : UM/SJ
Sample : H2968-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP40-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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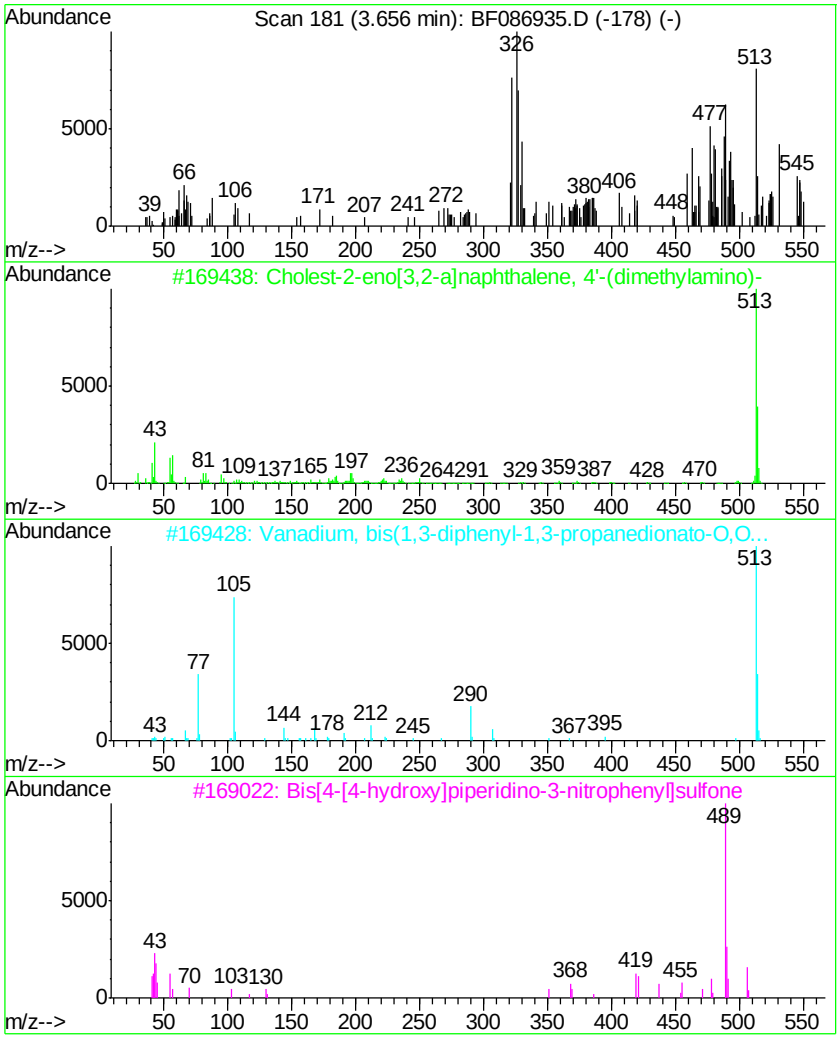
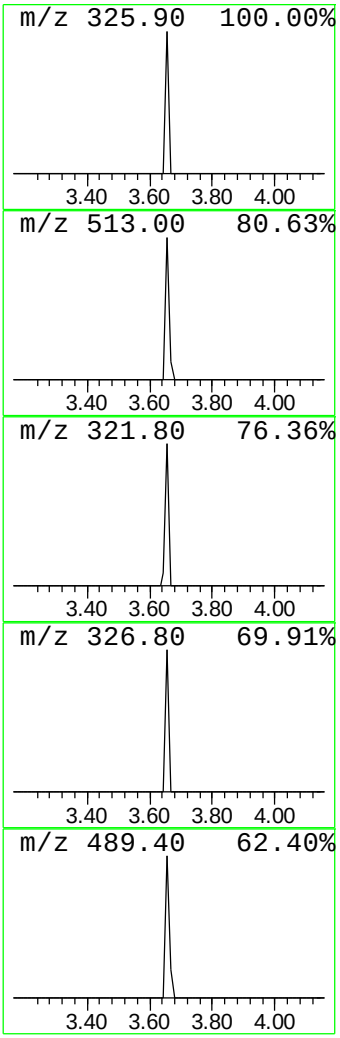
Peak Number 4 unknown3.66 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.66	3.97 ng	214885	1,4-Dichlorobenzene-d4	6.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholest-2-eno[3,2-a]naphthalene,...	513	C37H55N	1000210-99-3	10
2	Vanadium, bis(1,3-diphenyl-1,3-p...	513	C30H22O5V	015022-46-5	9
3	Bis[4-[4-hydroxy]piperidino-3-ni...	506	C22H26N4O8S	024612-36-0	7
4	3,6,9,15-Tetraazabicyclo[9.3.1]p...	668	C32H36N4O6S3	078668-28-7	4
5	Cholest-2-eno[2,3-b]indole, 1'-a...	531	C36H53NO2	1000210-96-4	3





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086935.D
Acq On : 12 May 2016 17:26
Operator : UM/SJ
Sample : H2968-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP40-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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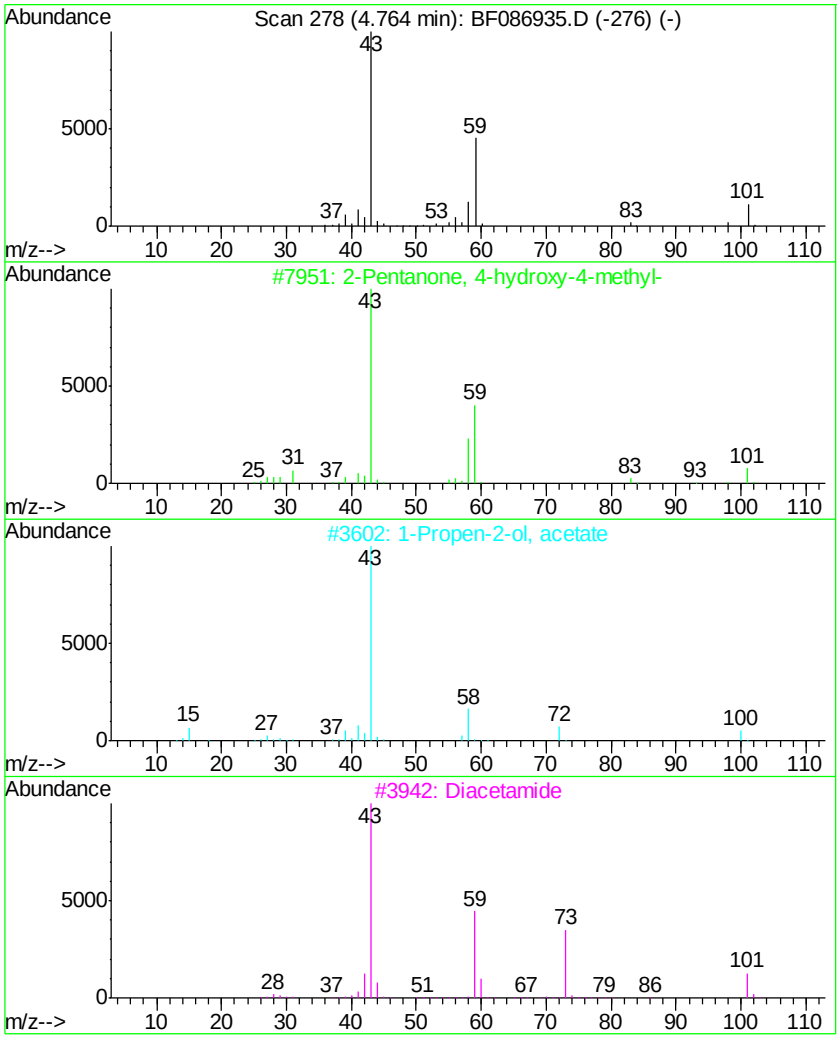
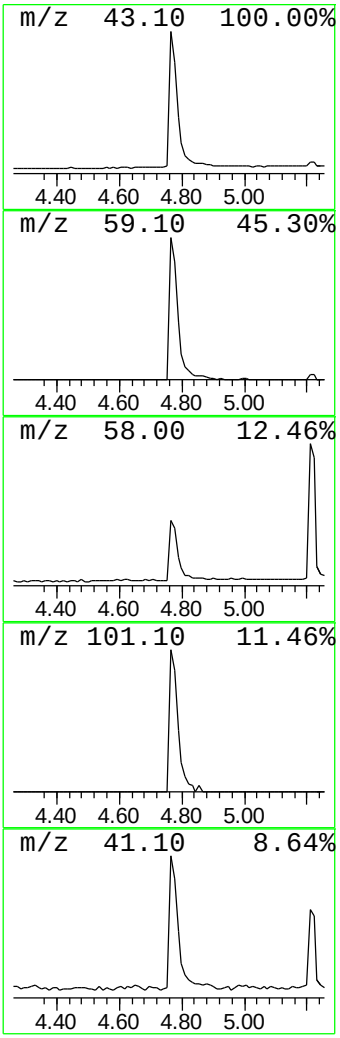
Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	4.69 ng	253806	1,4-Dichlorobenzene-d4	6.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3	Diacetamide	101	C4H7NO2	000625-77-4	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Butane	58	C4H10	000106-97-8	9





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Data File : BF086935.D
Acq On : 12 May 2016 17:26
Operator : UM/SJ
Sample : H2968-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP40-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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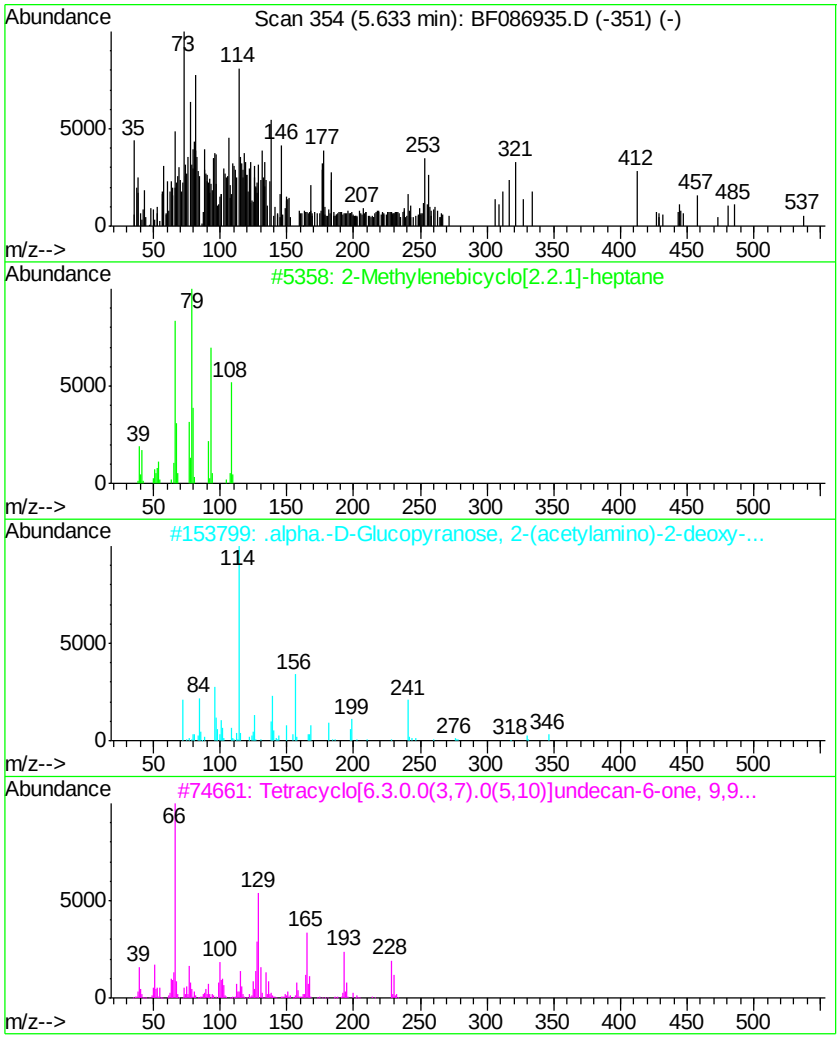
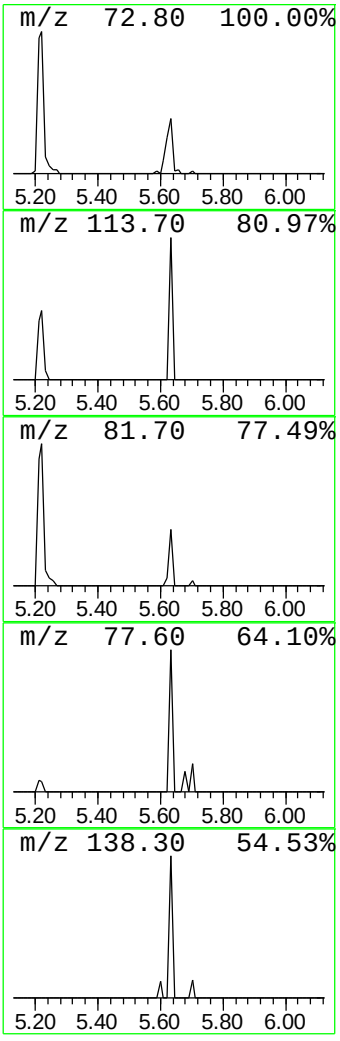
Peak Number 6 unknown5.63 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	7.04 ng	380889	1,4-Dichlorobenzene-d4	6.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylenebicyclo[2.2.1]-heptane	108	C8H12	000497-35-8	43
2	.alpha.-D-Glucopyranose, 2-(acet...	389	C16H23NO10	007784-54-5	43
3	Tetracyclo[6.3.0.0(3,7).0(5,10)]...	228	C11H10Cl2O	117389-51-2	42
4	Endo-9-oxatetracyclo[5.3.1.0(2,6...	148	C10H12O	1000281-67-4	38
5	2-(1-Hydroxyethyl)norbornadiene	136	C9H12O	1000139-55-9	38





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Sample : H2968-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP40-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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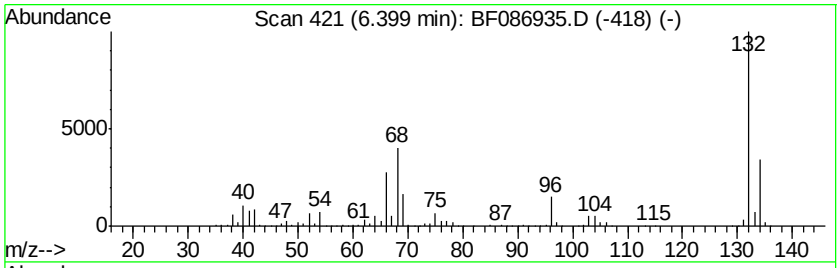
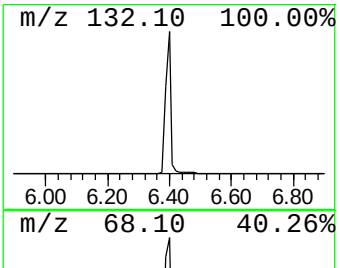
Peak Number 7 unknown6.40 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	70.38 ng	3805870	1,4-Dichlorobenzene-d4	6.62

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	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
4	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086935.D
Acq On : 12 May 2016 17:26
Operator : UM/SJ
Sample : H2968-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP40-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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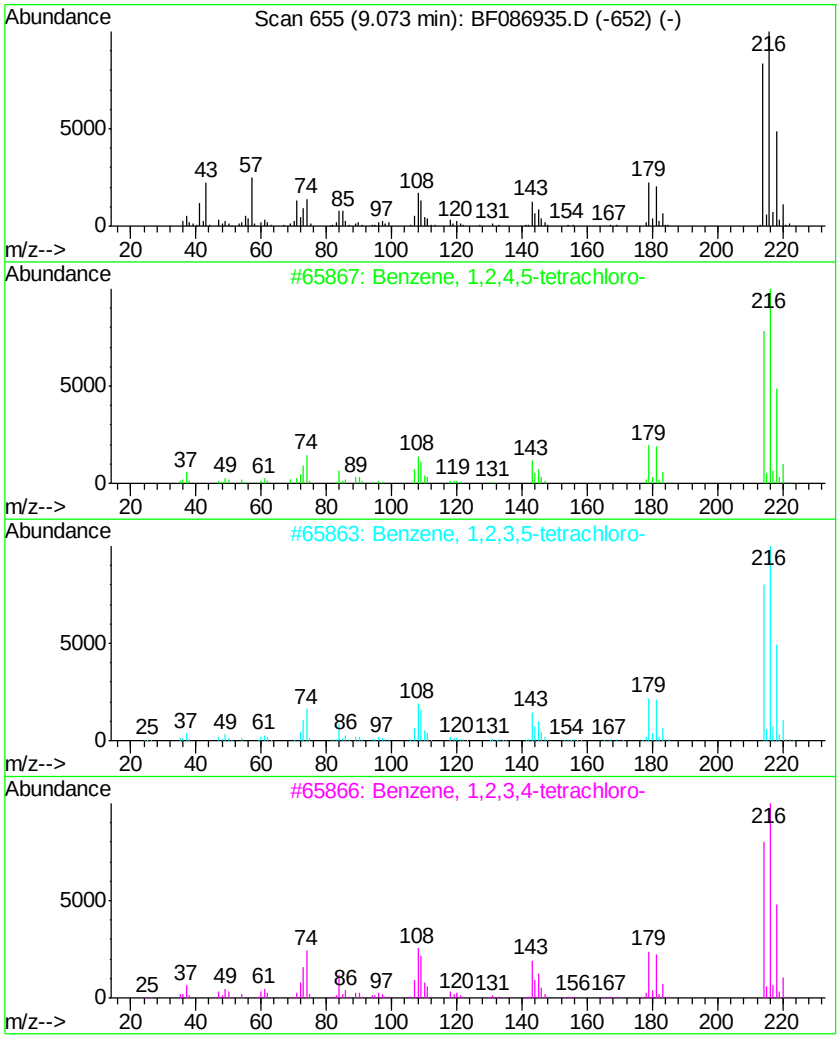
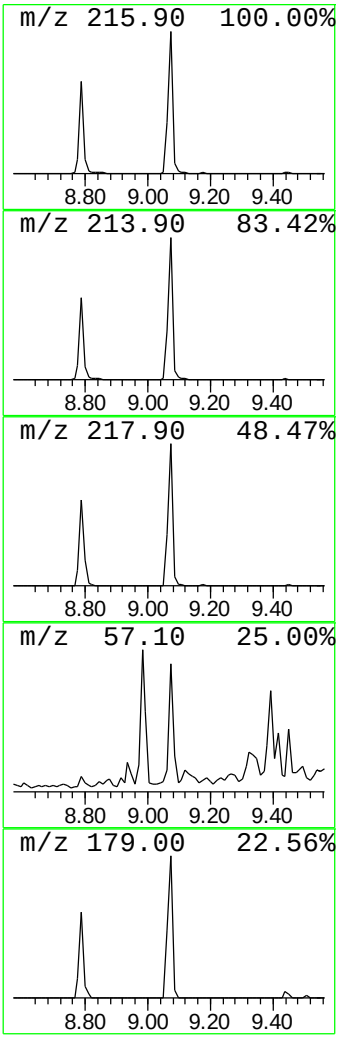
Peak Number 9 Benzene, 1,2,4,5-tetrachloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	5.10 ng	429265	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetrachloro-	214	C6H2Cl4	000095-94-3	99
2	Benzene, 1,2,3,5-tetrachloro-	214	C6H2Cl4	000634-90-2	99
3	Benzene, 1,2,3,4-tetrachloro-	214	C6H2Cl4	000634-66-2	98
4	Chlorthal	302	C8H2Cl4O4	002136-79-0	90
5	Imidazole, 4-bromo-2-trifluorome...	214	C4H2BrF3N2	219534-98-2	49





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Acq On : 12 May 2016 17:26
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Sample : H2968-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP40-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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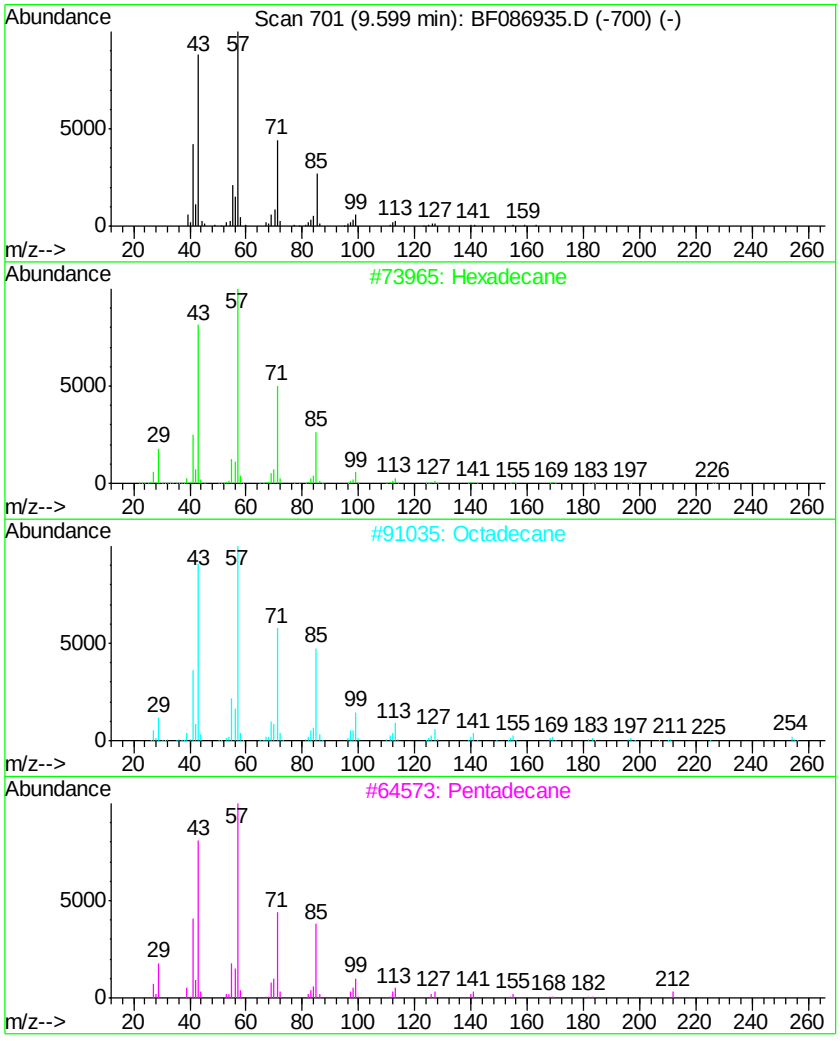
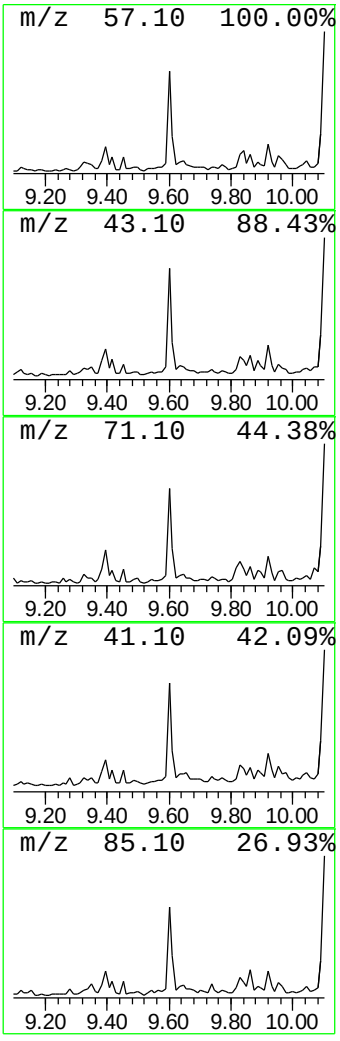
Peak Number 11 Hexadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	2.08 ng	174692	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Octadecane	254	C18H38	000593-45-3	86
3	Pentadecane	212	C15H32	000629-62-9	86
4	Eicosane	282	C20H42	000112-95-8	83
5	Undecane	156	C11H24	001120-21-4	78





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086935.D
Acq On : 12 May 2016 17:26
Operator : UM/SJ
Sample : H2968-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP40-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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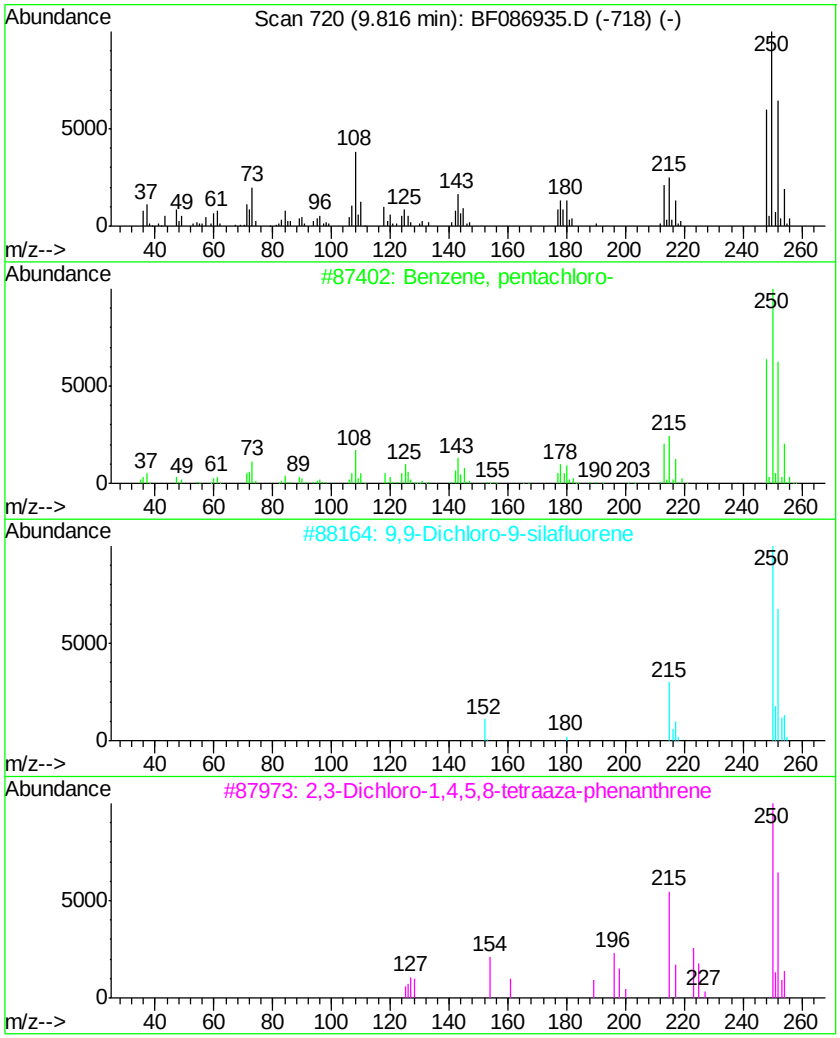
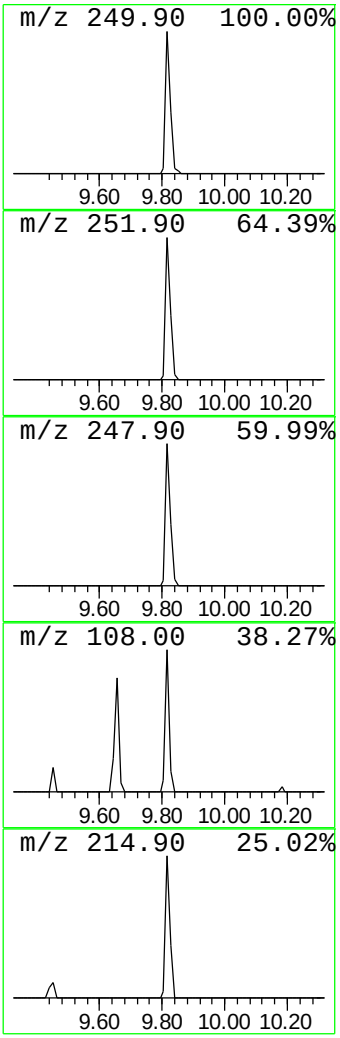
Peak Number 12 Benzene, pentachloro- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	2.91 ng	245209	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentachloro-	248	C6HCl5	000608-93-5	99
2	9,9-Dichloro-9-silafluorene	250	C12H8Cl2Si	018030-58-5	40
3	2,3-Dichloro-1,4,5,8-tetraaza-ph...	250	C10H4Cl2N4	071222-45-2	38
4	2-[4-Chloro-trans-styryl]-4-chlo...	250	C12H8Cl2N2	1000251-24-0	38
5	1,7-Dichlorophenazine	248	C12H6Cl2N2	013860-52-1	22





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Acq On : 12 May 2016 17:26
Operator : UM/SJ
Sample : H2968-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP40-4FT

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

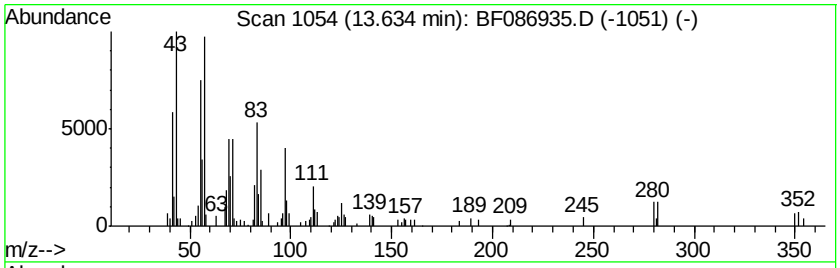
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

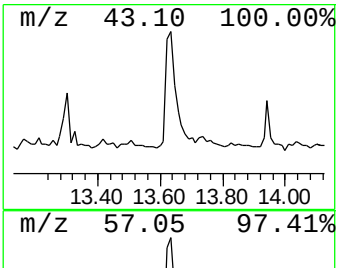
****

Peak Number 16 5-Eicosene, (E)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	3.50 ng	237435	Chrysene-d12	13.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	97
2	Cycloeicosane	280	C20H40	000296-56-0	96
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	95
4	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	92
5	1-Eicosene	280	C20H40	003452-07-1	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086935.D
Acq On : 12 May 2016 17:26
Operator : UM/SJ
Sample : H2968-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP40-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

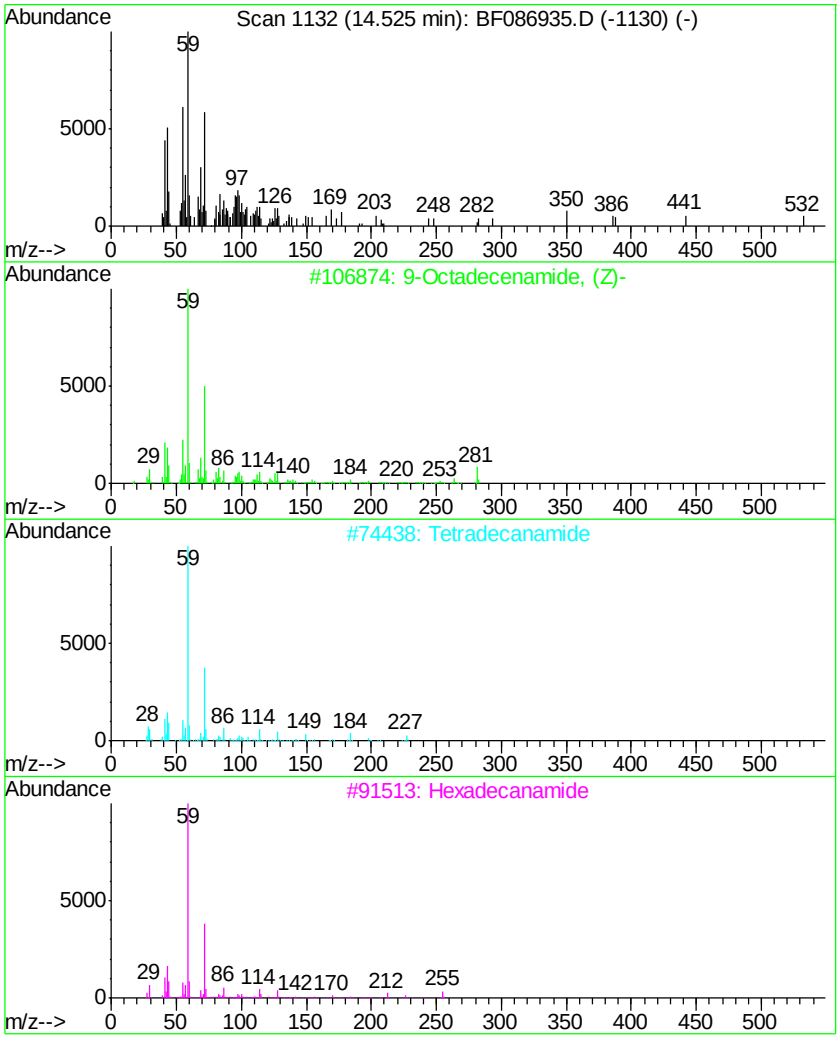
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

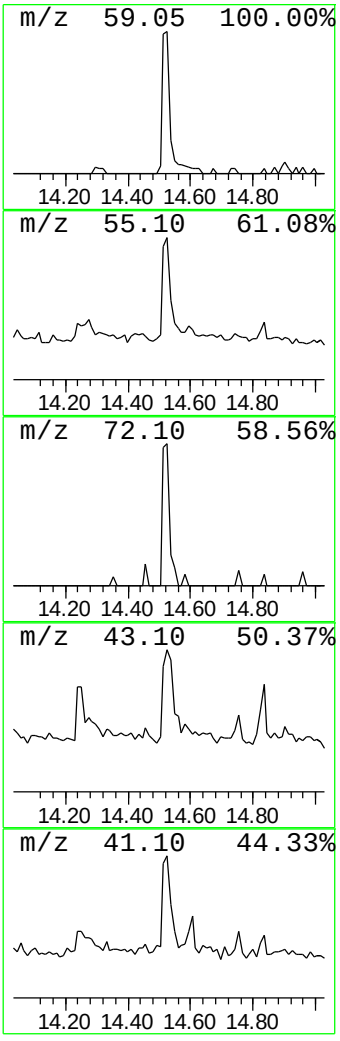
****

Peak Number 17 9-Octadecenamide, (Z)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	2.79 ng	145259	Perylene-d12	15.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	89
2	Tetradecanamide	227	C14H29NO	000638-58-4	59
3	Hexadecanamide	255	C16H33NO	000629-54-9	59
4	Octanamide	143	C8H17NO	000629-01-6	59
5	Octadecanamide	283	C18H37NO	000124-26-5	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086935.D
Acq On : 12 May 2016 17:26
Operator : UM/SJ
Sample : H2968-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP40-4FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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
unknown2.09	2.09	2.0	ng	109047	1	6.62	1081460	20.0
unknown3.66	3.66	4.0	ng	214885	1	6.62	1081460	20.0
2-Pentanone, 4-hy...	4.76	4.7	ng	253806	1	6.62	1081460	20.0
unknown5.63	5.63	7.0	ng	380889	1	6.62	1081460	20.0
unknown6.40	6.40	70.4	ng	3805870	1	6.62	1081460	20.0
Benzene, 1,2,4,5-...	9.07	5.1	ng	429265	3	9.66	1683030	20.0
Hexadecane	9.60	2.1	ng	174692	3	9.66	1683030	20.0
Benzene, pentachl...	9.82	2.9	ng	245209	3	9.66	1683030	20.0
5-Eicosene, (E)-	13.63	3.5	ng	237435	5	13.76	1357050	20.0
9-Octadecenamide,...	14.53	2.8	ng	145259	6	15.12	1039980	20.0