LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091773.D
Acq On : 19 Dec 2016 10:55
Operator : UM/SJ
Sample : H6085-05
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CONCRETE-PILE-COMP

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-BF121716.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	3.196	93	97	104	rVB	254676	461971	2.77%	0.771%
2	4.281	186	192	194	rBV	7631484	16679246	100.00%	27.820%
3	4.933	245	249	252	rBV	3260191	4843887	29.04%	8.079%
4	5.356	284	286	289	rBV	1208005	1165460	6.99%	1.944%
5	6.396	375	377	380	rBV	2260361	3006992	18.03%	5.015%
6	6.522	386	388	391	rBV	1827800	1947817	11.68%	3.249%
7	6.762	406	409	411	rBV	1307496	1353205	8.11%	2.257%
8	6.910	420	422	425	rVB	2982474	3780724	22.67%	6.306%
9	7.082	435	437	439	rBV	250938	214120	1.28%	0.357%
10	7.322	455	458	461	rBV	3016589	2959828	17.75%	4.937%
11	8.042	519	521	524	rBV	2012882	1783622	10.69%	2.975%
12	9.128	613	616	618	rBV	4850667	5872045	35.21%	9.794%
13	9.516	648	650	652	rVB	465578	384721	2.31%	0.642%
14	9.790	672	674	677	rVB	1566839	1945649	11.67%	3.245%
15	10.579	741	743	745	rBV	154741	172219	1.03%	0.287%
16	10.705	753	754	759	rBV	175666	227110	1.36%	0.379%
17	11.276	802	804	806	rBV	2318576	2021939	12.12%	3.372%
18	11.814	848	851	856	rBV2	100128	171588	1.03%	0.286%
19	12.694	925	928	931	rBV2	256668	328229	1.97%	0.547%
20	12.865	940	943	945	rBV	5100663	5173387	31.02%	8.629%
21	13.345	980	985	988	rBV	570179	616048	3.69%	1.028%
22	13.391	988	989	991	rVV2	111067	166981	1.00%	0.279%
23	13.768	1019	1022	1026	rVB3	318952	604989	3.63%	1.009%
24	13.905	1031	1034	1041	rVB	1725667	1782986	10.69%	2.974%
25	14.397	1074	1077	1079	rBV	127614	191964	1.15%	0.320%
26	15.002	1127	1130	1134	rBV	208107	322753	1.94%	0.538%
27	15.300	1154	1156	1159	rBV	833377	1232437	7.39%	2.056%
28	15.745	1192	1195	1197	rBV	245509	351189	2.11%	0.586%
29	18.146	1403	1405	1415	rVB3	75226	191784	1.15%	0.320%

Sum of corrected areas: 59954890

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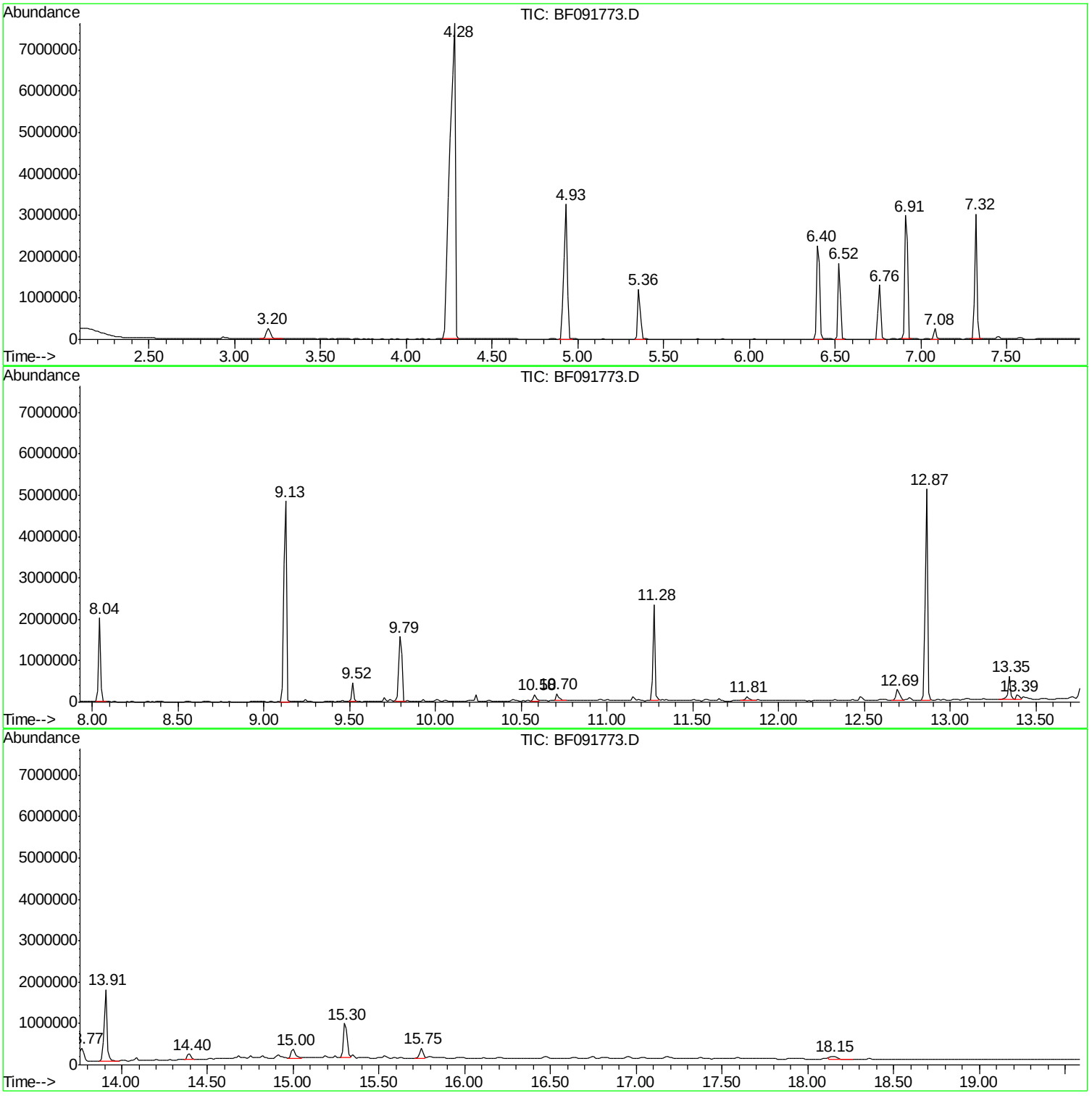
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PILE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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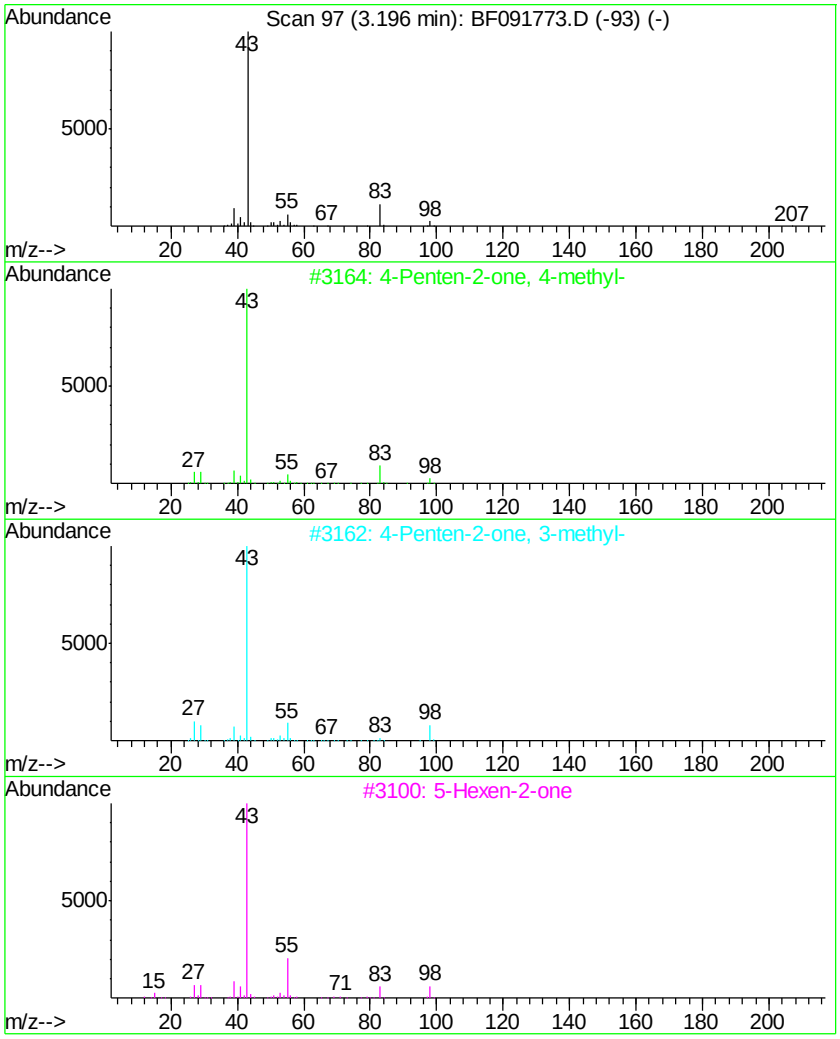
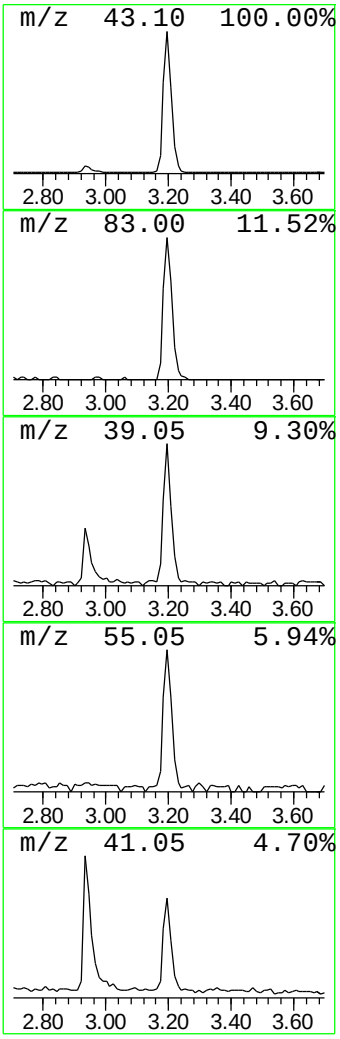
Peak Number 1 4-Penten-2-one, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	6.83 ng	461971	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	86
2	4-Penten-2-one, 3-methyl-	98	C6H10O	000758-87-2	53
3	5-Hexen-2-one	98	C6H10O	000109-49-9	40
4	2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	23
5	4-Hexen-2-one	98	C6H10O	025659-22-7	9





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Instrument : BNA_F
ClientSampleId : CONCRETE-PILE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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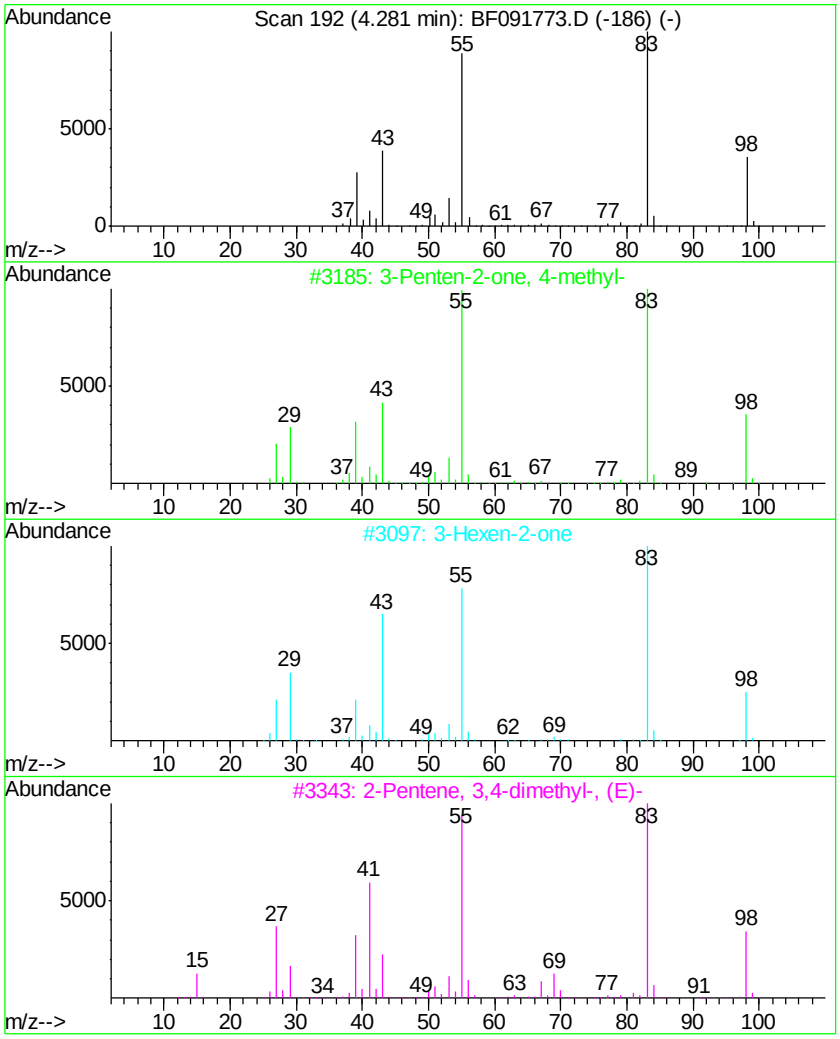
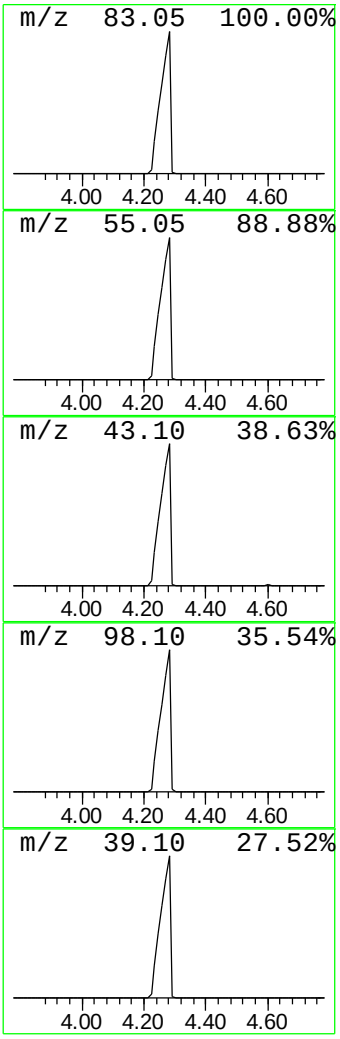
Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.28	246.52 ng	16679200	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	95
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	80





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Instrument : BNA_F
ClientSampleId : CONCRETE-PILE-COMP

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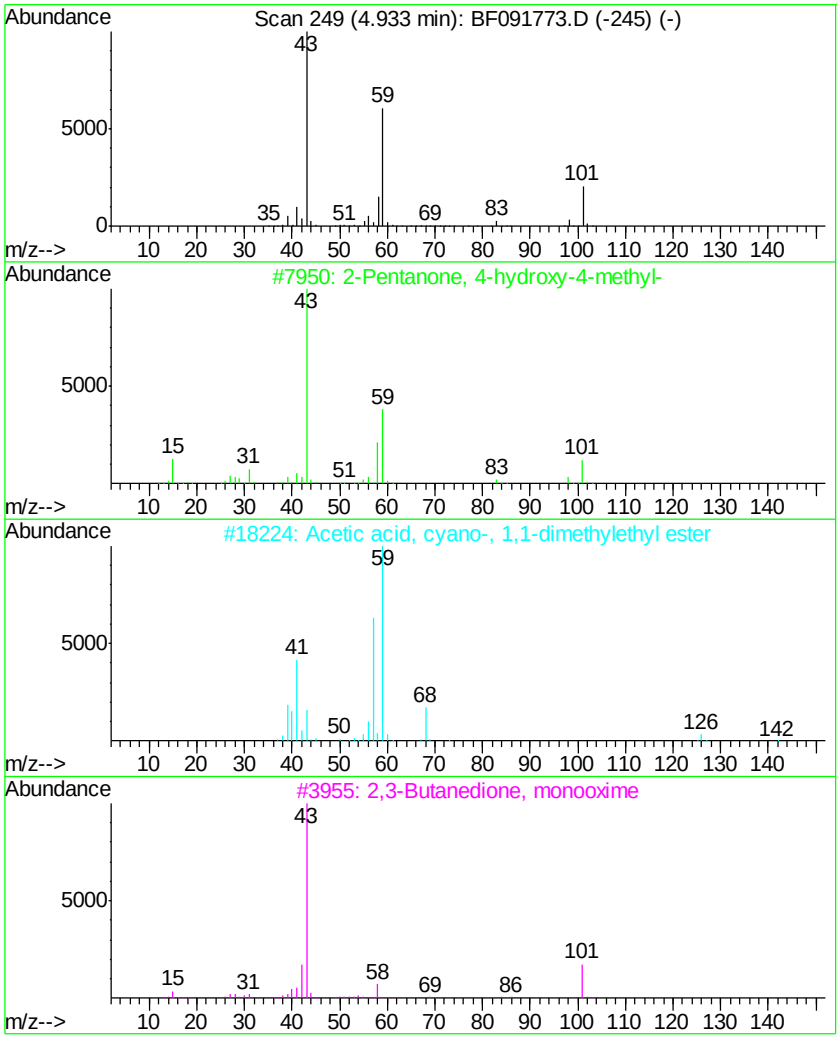
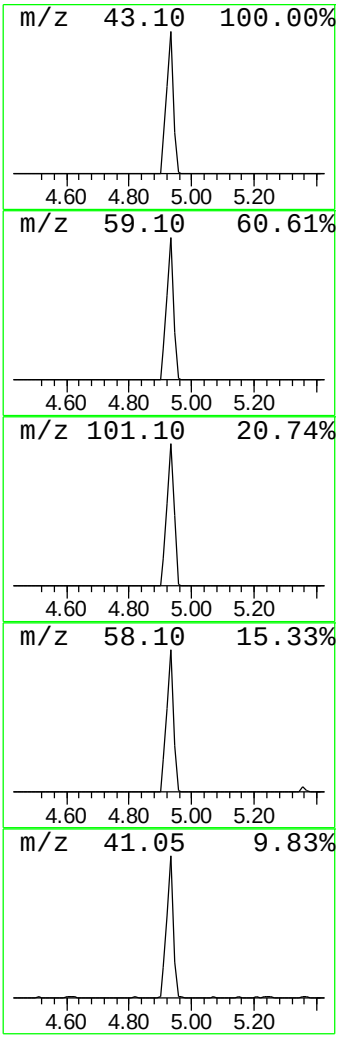
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	71.59 ng	4843890	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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Instrument : BNA_F
ClientSampleId : CONCRETE-PILE-COMP

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TIC Library : C:\DATABASE\NIST02.L
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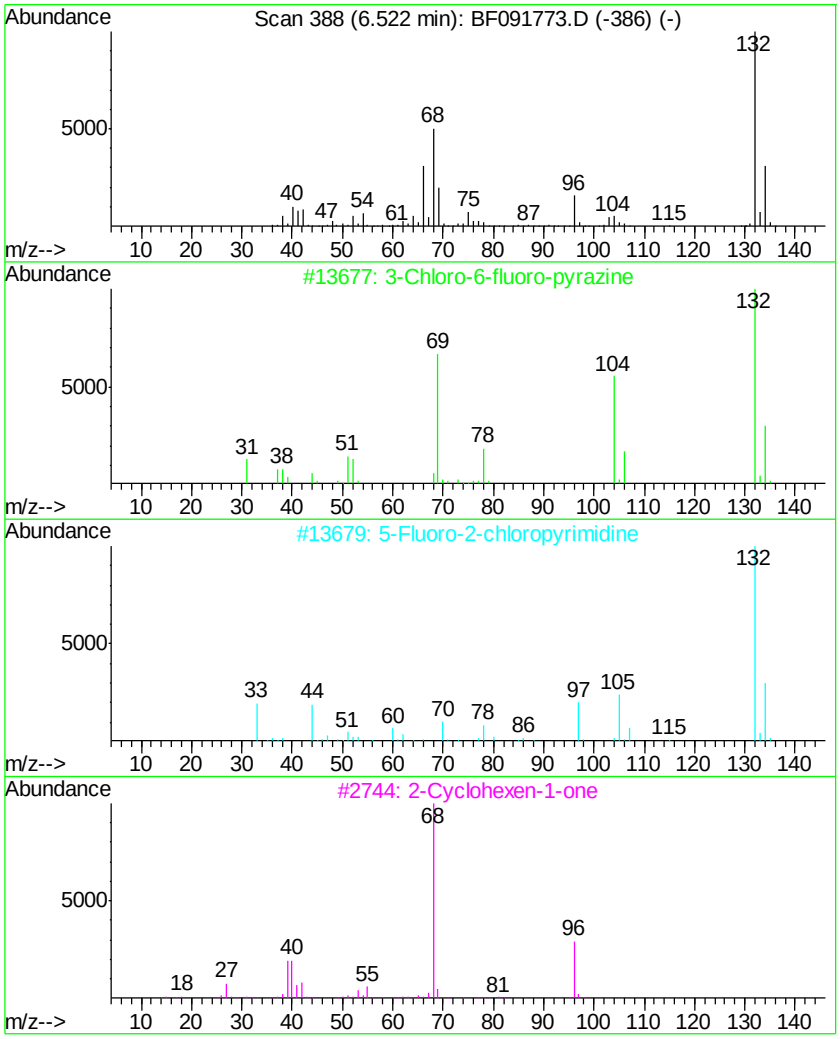
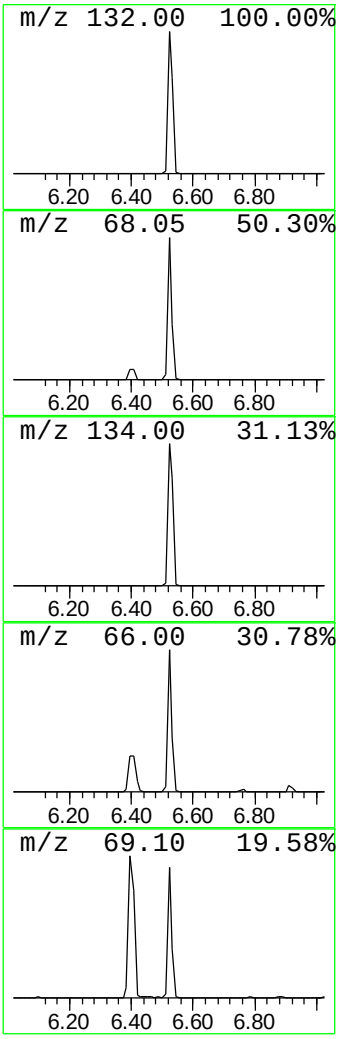
Peak Number 4 unknown6.52 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	28.79 ng	1947820	1,4-Dichlorobenzene-d4	6.76

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	12
3	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





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Sample : H6085-05
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PILE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
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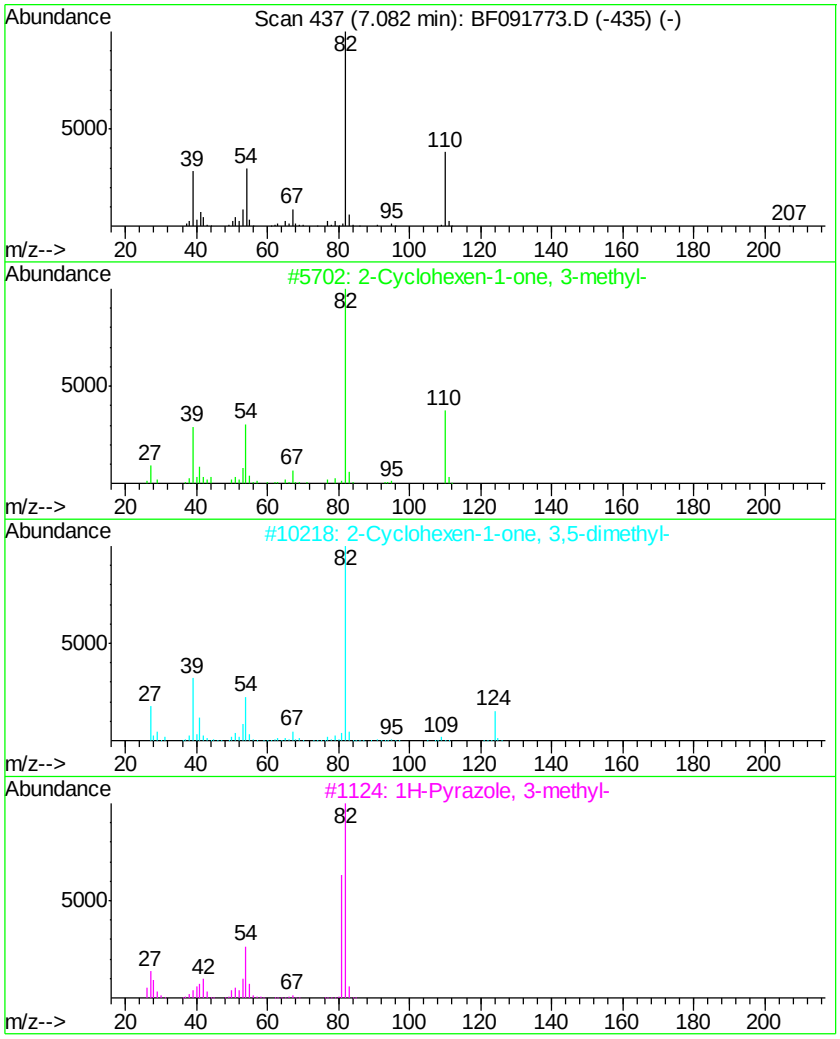
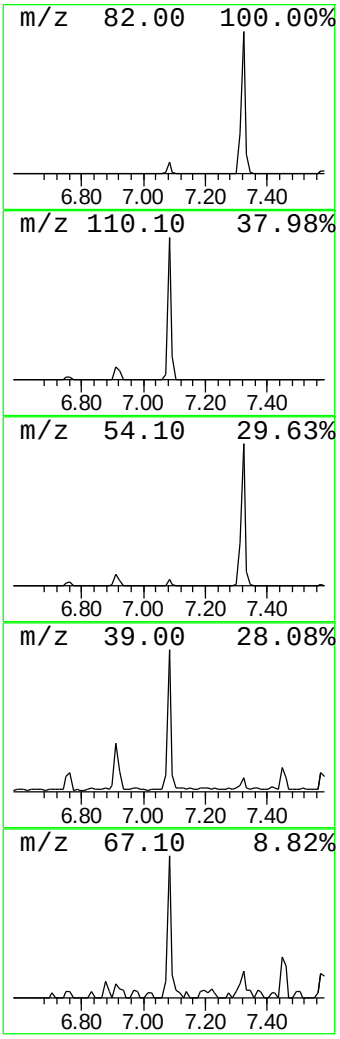
****

Peak Number 6 2-Cyclohexen-1-one, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	3.16 ng	214120	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclohexen-1-one, 3-methyl-	110	C7H10O	001193-18-6	91
2	2-Cyclohexen-1-one, 3,5-dimethyl-	124	C8H12O	001123-09-7	59
3	1H-Pyrazole, 3-methyl-	82	C4H6N2	001453-58-3	59
4	Betazole	111	C5H9N3	000105-20-4	50
5	1,2,3,6-Tetrahydropyridine	83	C5H9N	000694-05-3	45





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BNA_F
ClientSampleId :
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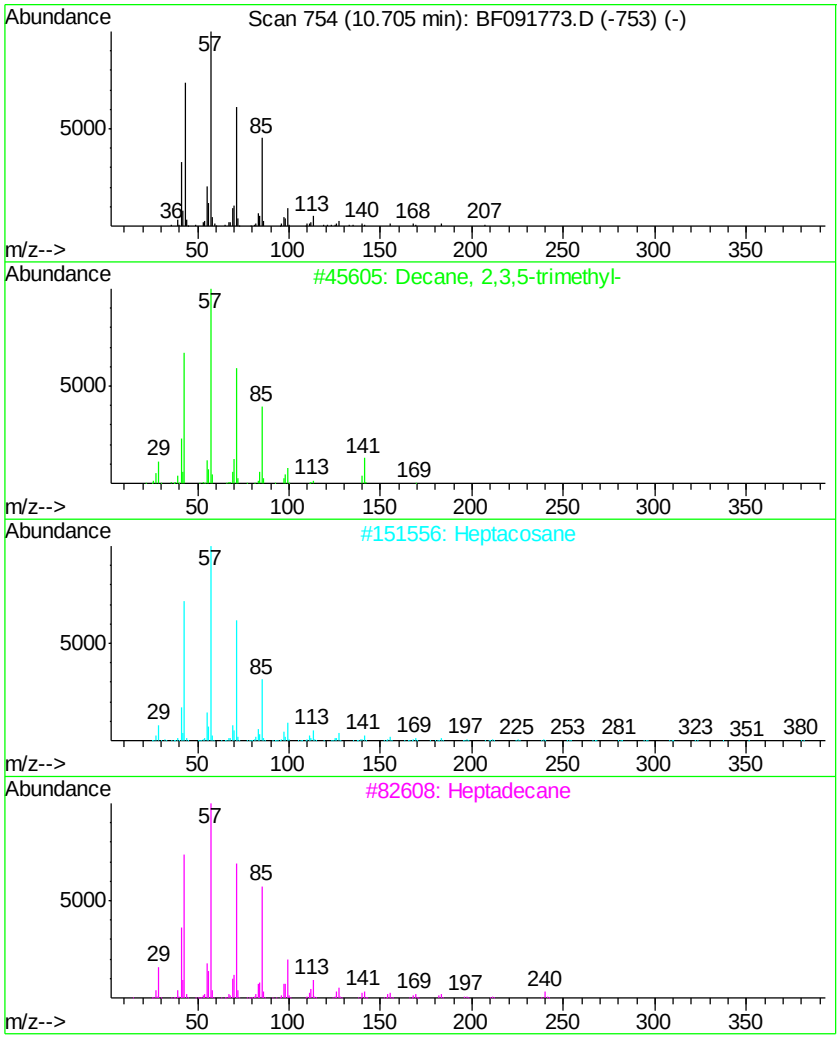
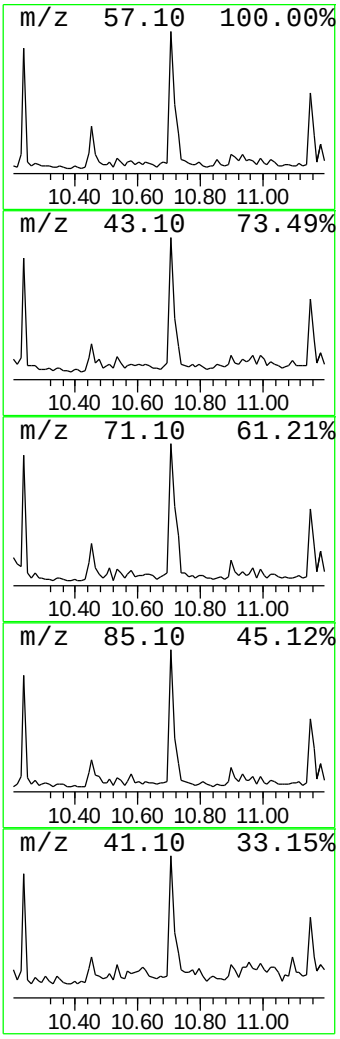
****

Peak Number 7 Decane, 2,3,5-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	2.25 ng	227110	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
2	Heptacosane	380	C27H56	000593-49-7	90
3	Heptadecane	240	C17H36	000629-78-7	90
4	Tetradecane	198	C14H30	000629-59-4	86
5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	83





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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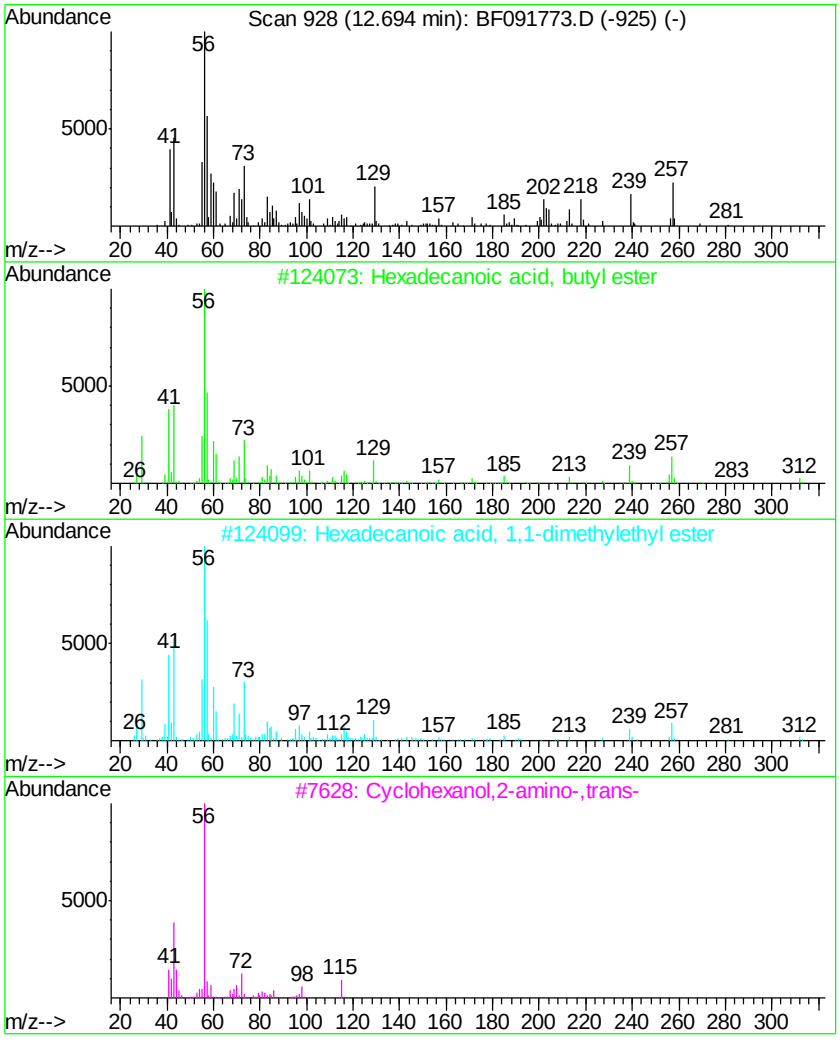
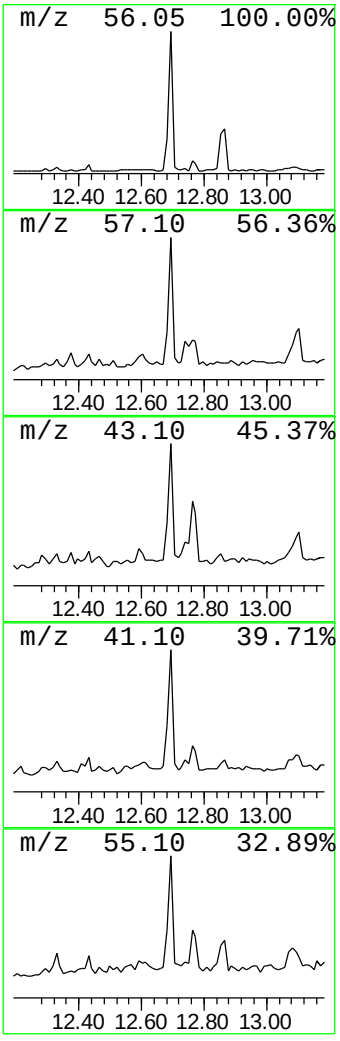
Peak Number 8 Hexadecanoic acid, butyl ester Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	3.68 ng	328229	Chrysene-d12	13.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	74
2	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	37
3	Cyclohexanol,2-amino-,trans-	115	C6H13NO	006982-39-4	30
4	3-Amino-2,2-dimethyl-1-propanol	103	C5H13NO	026734-09-8	27
5	Cyclohexanol, 2-amino-, cis-	115	C6H13NO	000931-15-7	27





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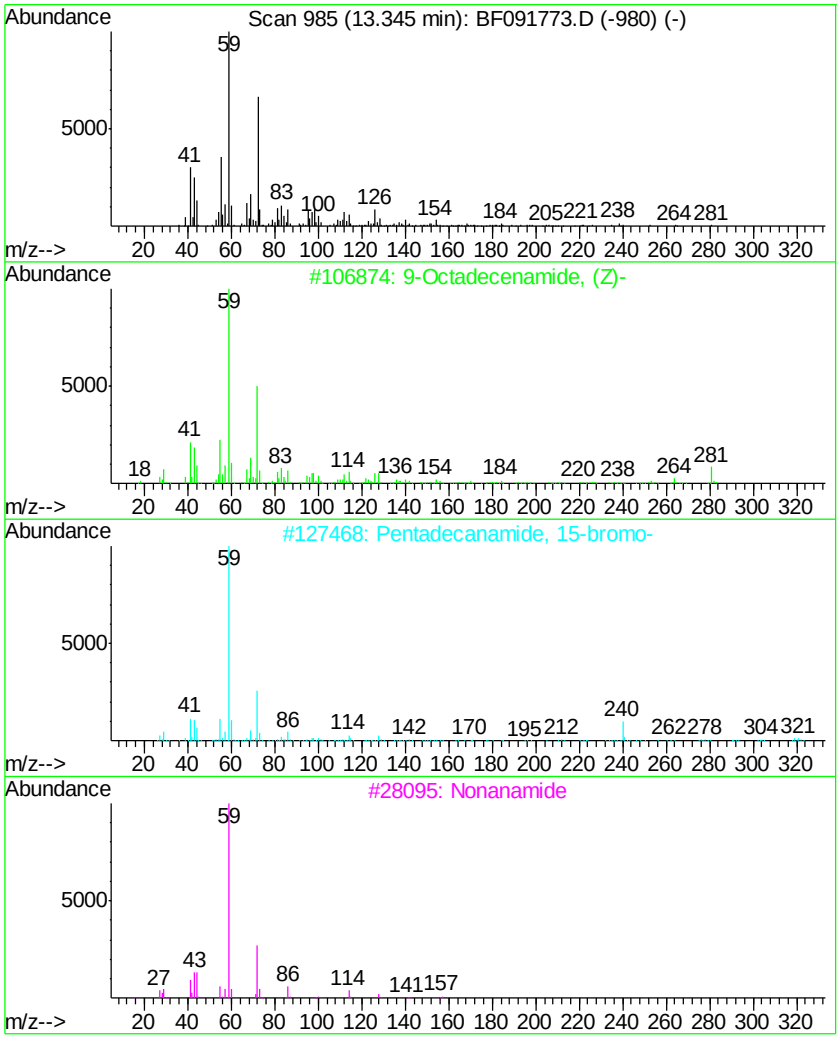
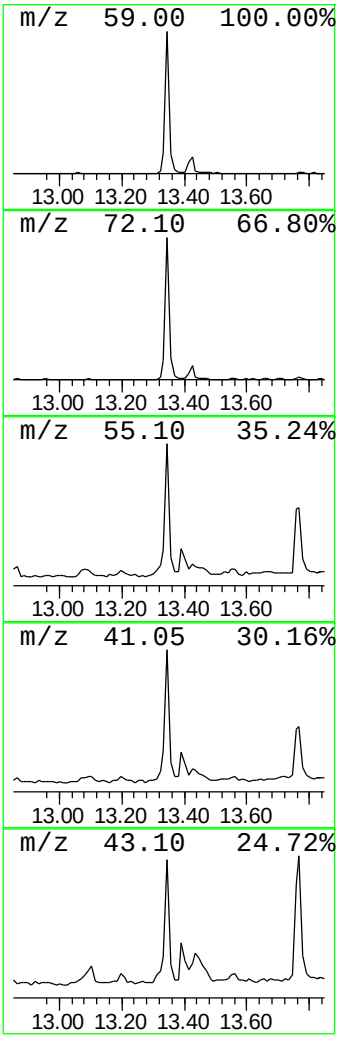
Peak Number 9 9-Octadecenamide, (Z)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	6.91 ng	616048	Chrysene-d12	13.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	78
2	Pentadecanamide, 15-bromo-	319	C15H30BrNO	1000163-86-1	59
3	Nonanamide	157	C9H19NO	001120-07-6	59
4	Hexadecanamide	255	C16H33NO	000629-54-9	50
5	Dodecanamide	199	C12H25NO	001120-16-7	45





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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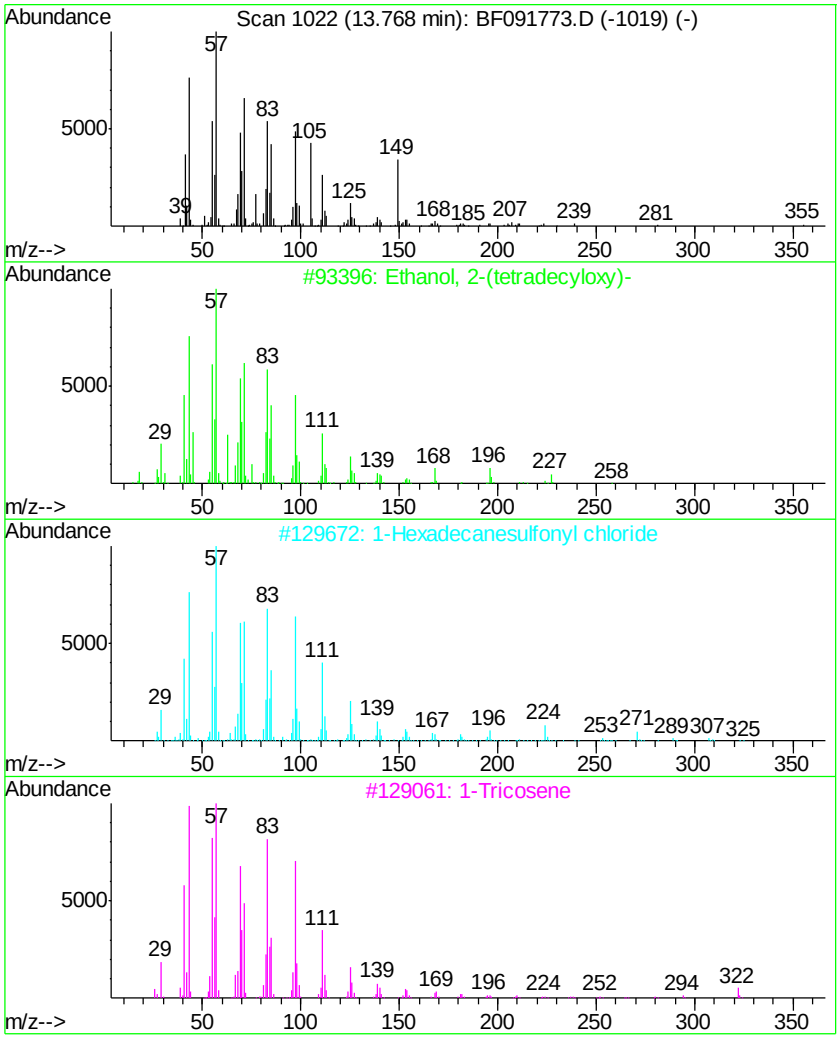
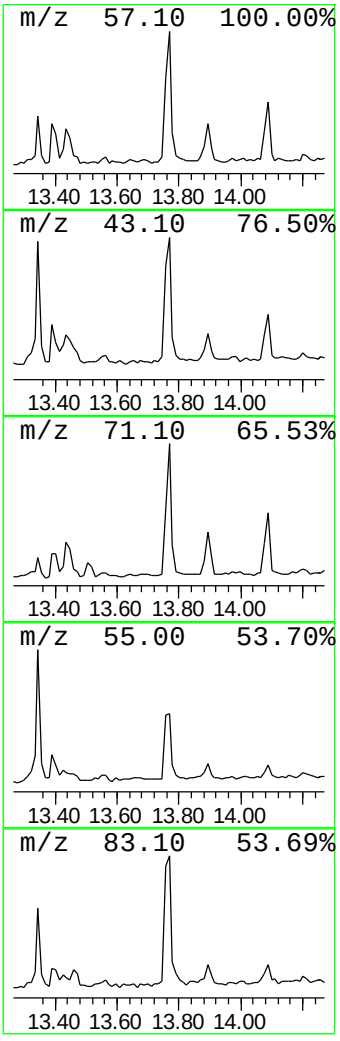
Peak Number 10 Ethanol, 2-(tetradecyloxy)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	6.79 ng	604989	Chrysene-d12	13.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	90
2	1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	74
3	1-Tricosene	322	C23H46	018835-32-0	70
4	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	70
5	10-Heneicosene (c,t)	294	C21H42	095008-11-0	64





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Misc :
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TIC Integration Parameters: LSCINT.P

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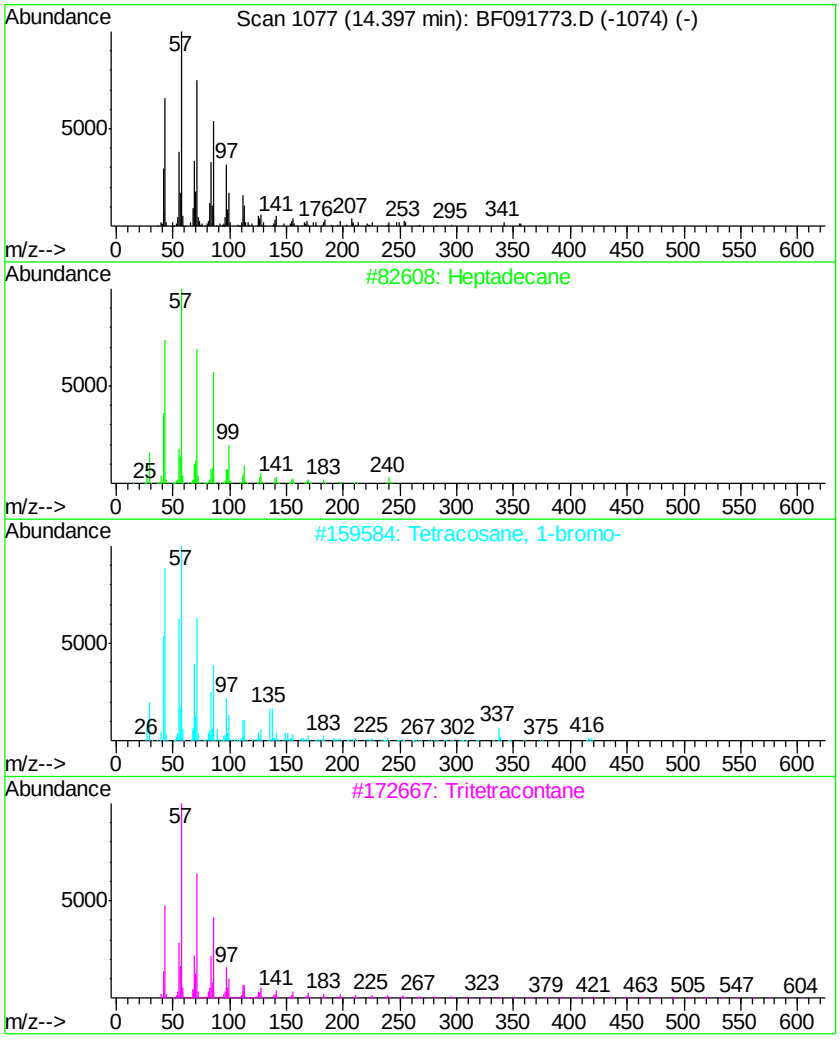
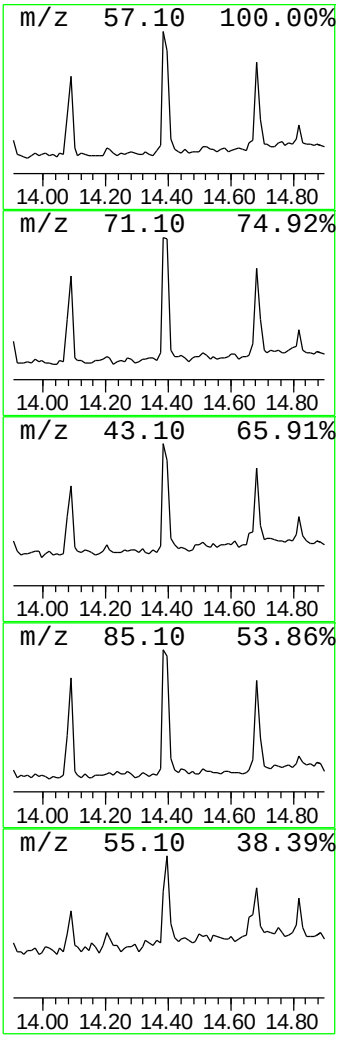
Peak Number 11 Heptadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	2.15 ng	191964	Chrysene-d12	13.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	94
2	Tetracosane, 1-bromo-	416	C24H49Br	006946-24-3	91
3	Tritetracontane	605	C43H88	007098-21-7	86
4	Heneicosane	296	C21H44	000629-94-7	74
5	Eicosane	282	C20H42	000112-95-8	74





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091773.D
Acq On : 19 Dec 2016 10:55
Operator : UM/SJ
Sample : H6085-05
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PILE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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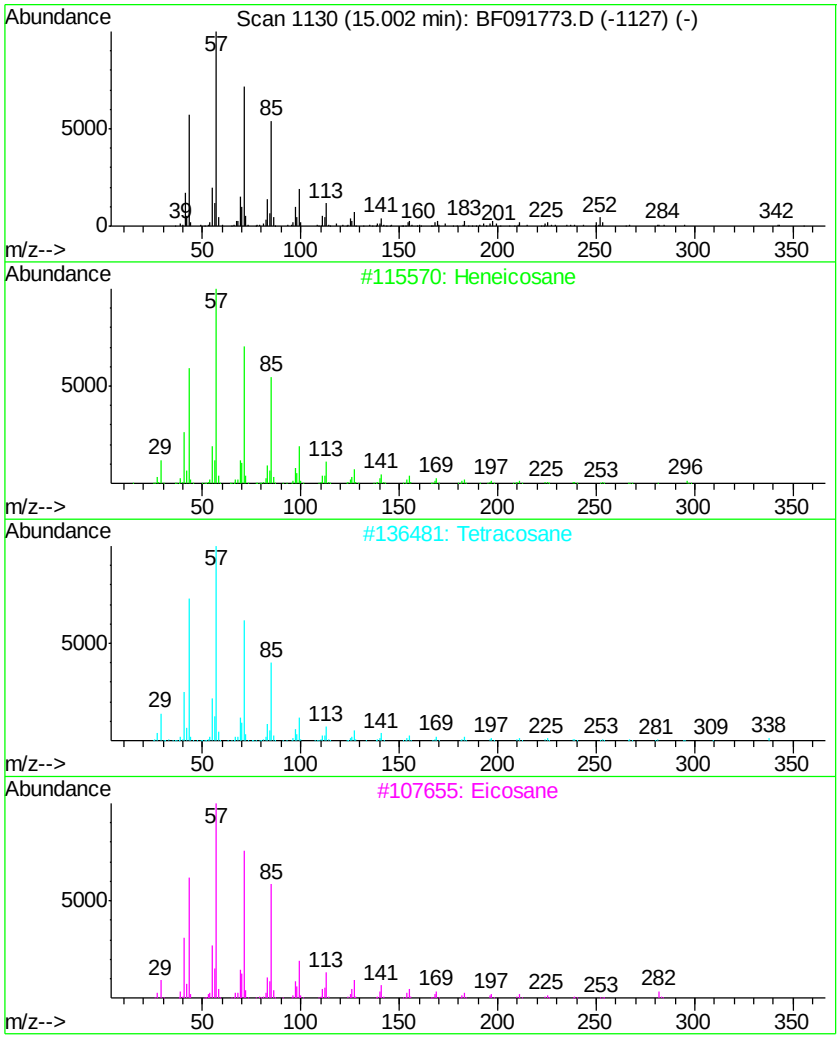
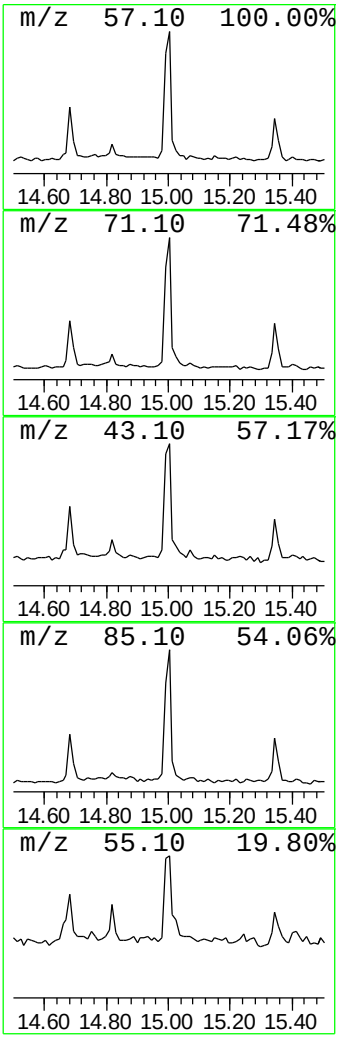
Peak Number 12 Heneicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	5.24 ng	322753	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Tetracosane	338	C24H50	000646-31-1	87
3	Eicosane	282	C20H42	000112-95-8	87
4	Nonacosane	408	C29H60	000630-03-5	87
5	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	87





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Data File : BF091773.D
Acq On : 19 Dec 2016 10:55
Operator : UM/SJ
Sample : H6085-05
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CONCRETE-PILE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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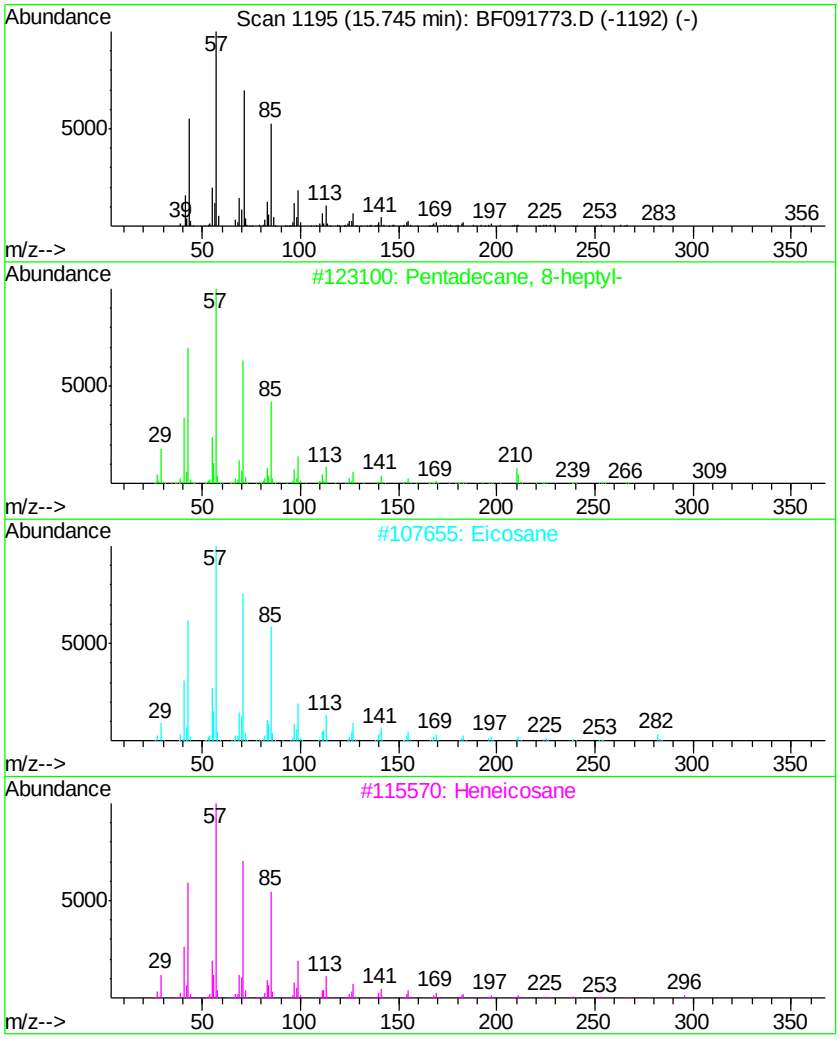
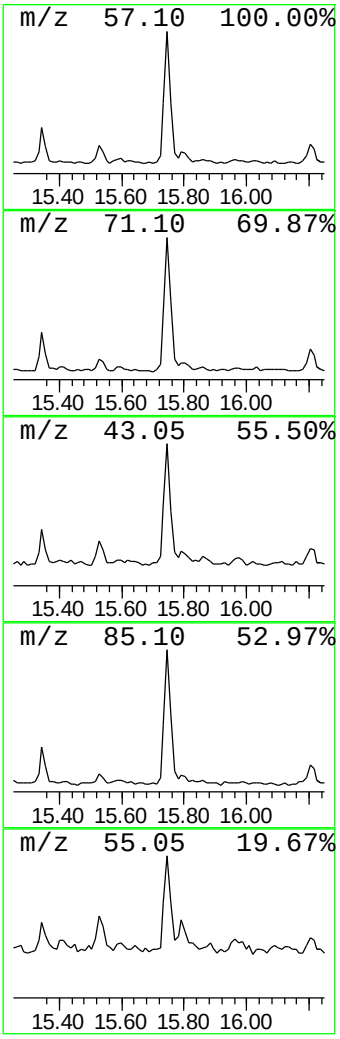
Peak Number 13 Pentadecane, 8-heptyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	5.70 ng	351189	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
2	Eicosane	282	C20H42	000112-95-8	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Tetratetracontane	619	C44H90	007098-22-8	87
5	Octadecane	254	C18H38	000593-45-3	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091773.D
Acq On : 19 Dec 2016 10:55
Operator : UM/SJ
Sample : H6085-05
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CONCRETE-PILE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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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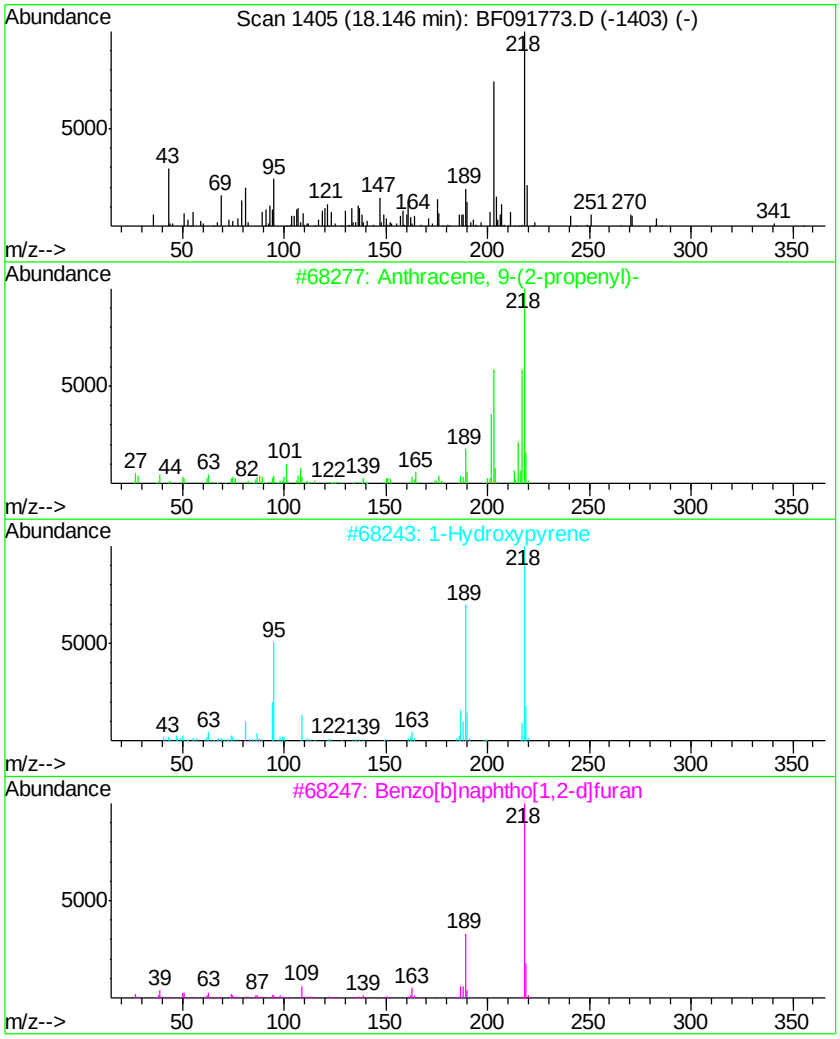
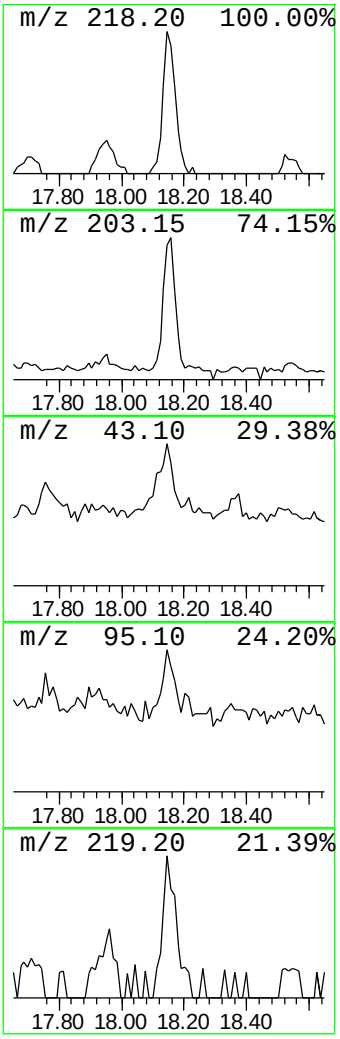
Peak Number 14 Anthracene, 9-(2-propenyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	3.11 ng	191784	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	83
2	1-Hydroxypyrene	218	C16H10O	005315-79-7	43
3	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	38
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	38
5	8-Amino-6,7-dimethoxy-4-methylqu...	218	C12H14N2O2	1000213-07-2	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121816\
Data File : BF091773.D
Acq On : 19 Dec 2016 10:55
Operator : UM/SJ
Sample : H6085-05
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CONCRETE-PILE-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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
4-Penten-2-one, 4...	3.20	6.8	ng	461971	1	6.76	1353210	20.0
3-Penten-2-one, 4...	4.28	246.5	ng	16679200	1	6.76	1353210	20.0
2-Pentanone, 4-hy...	4.93	71.6	ng	4843890	1	6.76	1353210	20.0
unknown6.52	6.52	28.8	ng	1947820	1	6.76	1353210	20.0
2-Cyclohexen-1-on...	7.08	3.2	ng	214120	1	6.76	1353210	20.0
Decane, 2,3,5-tri...	10.70	2.3	ng	227110	4	11.28	2021940	20.0
Hexadecanoic acid...	12.69	3.7	ng	328229	5	13.91	1782990	20.0
9-Octadecenamide,...	13.35	6.9	ng	616048	5	13.91	1782990	20.0
Ethanol, 2-(tetra...	13.77	6.8	ng	604989	5	13.91	1782990	20.0
Heptadecane	14.40	2.1	ng	191964	5	13.91	1782990	20.0
Heneicosane	15.00	5.2	ng	322753	6	15.30	1232440	20.0
Pentadecane, 8-he...	15.75	5.7	ng	351189	6	15.30	1232440	20.0
Anthracene, 9-(2-...	18.15	3.1	ng	191784	6	15.30	1232440	20.0