LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100082.D
Acq On : 2 Nov 2017 14:06
Operator : SJ/JU
Sample : I6226-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-1-CONCRETE

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-BF102317.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	3.434	225	229	245	rBV	26140	56548	1.90%	0.214%
2	4.363	379	387	403	rBV	1839575	2976714	100.00%	11.276%
3	4.986	489	493	515	rBV	649898	1048838	35.23%	3.973%
4	5.398	559	563	595	rBV	1569697	1819076	61.11%	6.891%
5	6.422	732	737	754	rBV	1754803	2008570	67.48%	7.608%
6	6.545	754	758	768	rVB	2108296	1984193	66.66%	7.516%
7	6.769	793	796	805	rBV	581463	524255	17.61%	1.986%
8	6.922	818	822	838	rBV	1880075	1872186	62.89%	7.092%
9	7.110	851	854	869	rVB	73764	91058	3.06%	0.345%
10	7.345	889	894	909	rBV	1289884	1438779	48.33%	5.450%
11	7.457	909	913	919	rBV	30250	33628	1.13%	0.127%
12	7.592	933	936	944	rBV	57637	55702	1.87%	0.211%
13	8.051	1010	1014	1024	rVB	850179	741630	24.91%	2.809%
14	9.127	1192	1197	1200	rBV	2899600	2938730	98.72%	11.132%
15	9.521	1259	1264	1272	rBV	141159	140795	4.73%	0.533%
16	9.810	1309	1313	1320	rVB	924402	859327	28.87%	3.255%
17	10.221	1381	1383	1386	rVB	50340	39970	1.34%	0.151%
18	10.445	1415	1421	1423	rBV	39449	48487	1.63%	0.184%
19	10.527	1432	1435	1438	rBV	38364	36304	1.22%	0.138%
20	10.604	1444	1448	1456	rBV	1265095	1230174	41.33%	4.660%
21	10.710	1461	1466	1470	rBV	109592	148160	4.98%	0.561%
22	10.910	1498	1500	1505	rVB4	20082	31290	1.05%	0.119%
23	11.145	1538	1540	1542	rBV	55634	47177	1.58%	0.179%
24	11.174	1542	1545	1552	rVB	171058	168033	5.64%	0.636%
25	11.304	1561	1567	1570	rBV	1026382	917194	30.81%	3.474%
26	11.527	1602	1605	1608	rVV	46794	43557	1.46%	0.165%
27	11.574	1611	1613	1615	rVB	55720	41807	1.40%	0.158%
28	11.815	1650	1654	1657	rBV2	132743	158040	5.31%	0.599%
29	11.980	1680	1682	1684	rBV	46899	45639	1.53%	0.173%
30	12.262	1727	1730	1733	rBV2	38471	44838	1.51%	0.170%
31	12.327	1739	1741	1744	rBV4	34587	36206	1.22%	0.137%
32	12.368	1746	1748	1753	rVB	54080	56717	1.91%	0.215%
33	12.604	1785	1788	1794	rVB4	50458	61860	2.08%	0.234%
34	12.745	1810	1812	1814	rBV2	34297	36245	1.22%	0.137%

LSC Area Percent Report

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Data File : BF100082.D
Acq On : 2 Nov 2017 14:06
Operator : SJ/JU
Sample : I6226-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-1-CONCRETE

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-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.892	1832	1837	1840	rVB	2464842	2728118	91.65%	10.334%
36	13.445	1929	1931	1935	rVB3	39678	40523	1.36%	0.153%
37	13.786	1985	1989	1993	rBV	193692	196629	6.61%	0.745%
38	13.986	2019	2023	2027	rBV	783658	788281	26.48%	2.986%
39	14.633	2126	2133	2143	rBV9	17762	49748	1.67%	0.188%
40	14.774	2152	2157	2163	rVB4	27384	38752	1.30%	0.147%
41	15.062	2199	2206	2211	rBV8	43701	101568	3.41%	0.385%
42	15.398	2258	2263	2270	rVB6	18101	41561	1.40%	0.157%
43	15.515	2279	2283	2293	rVB	439579	599364	20.14%	2.270%
44	15.968	2356	2360	2368	rBV8	17634	33370	1.12%	0.126%

Sum of corrected areas: 26399641

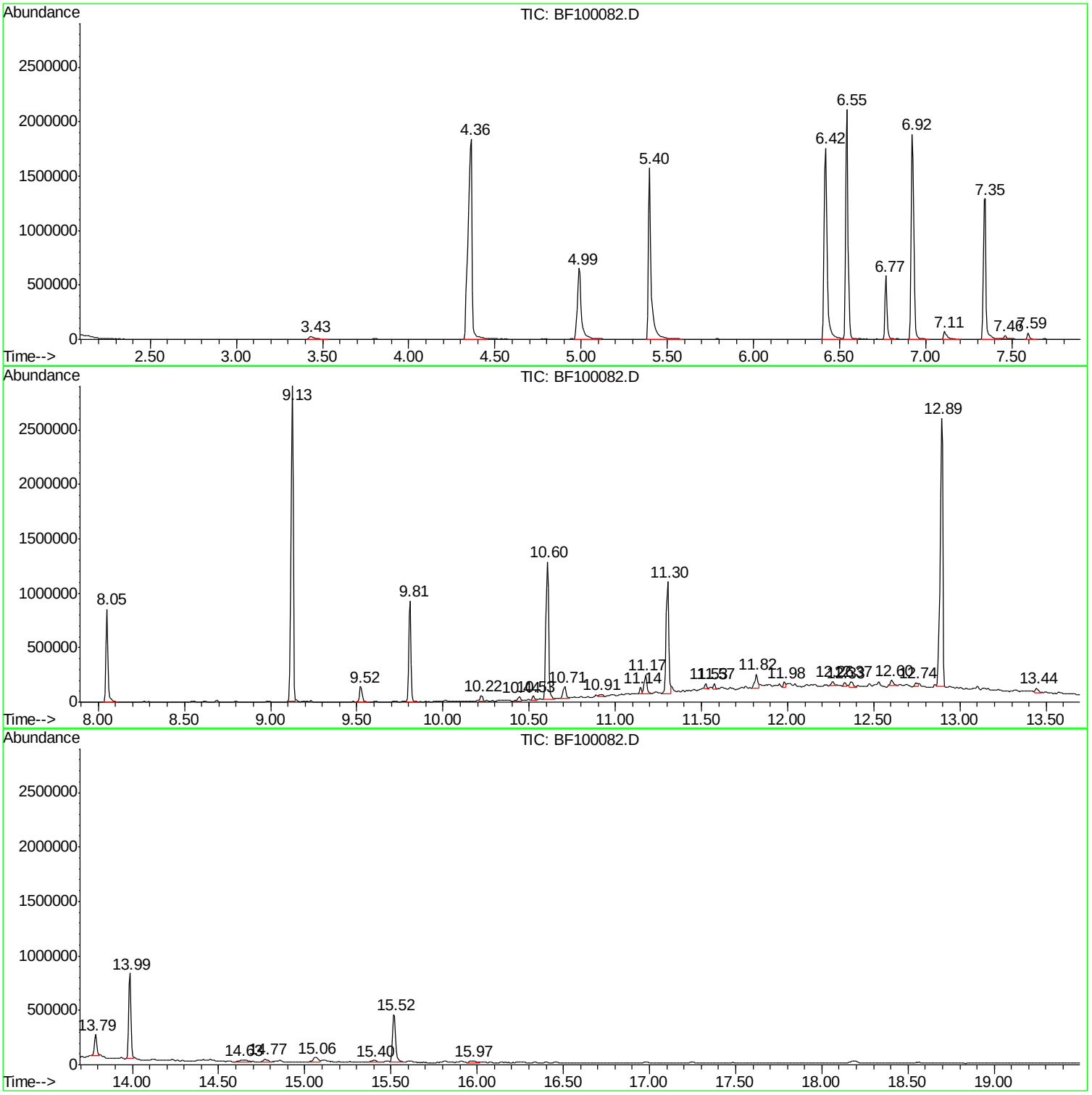
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100082.D
Acq On : 2 Nov 2017 14:06
Operator : SJ/JU
Sample : I6226-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-1-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100082.D
Acq On : 2 Nov 2017 14:06
Operator : SJ/JU
Sample : I6226-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-1-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

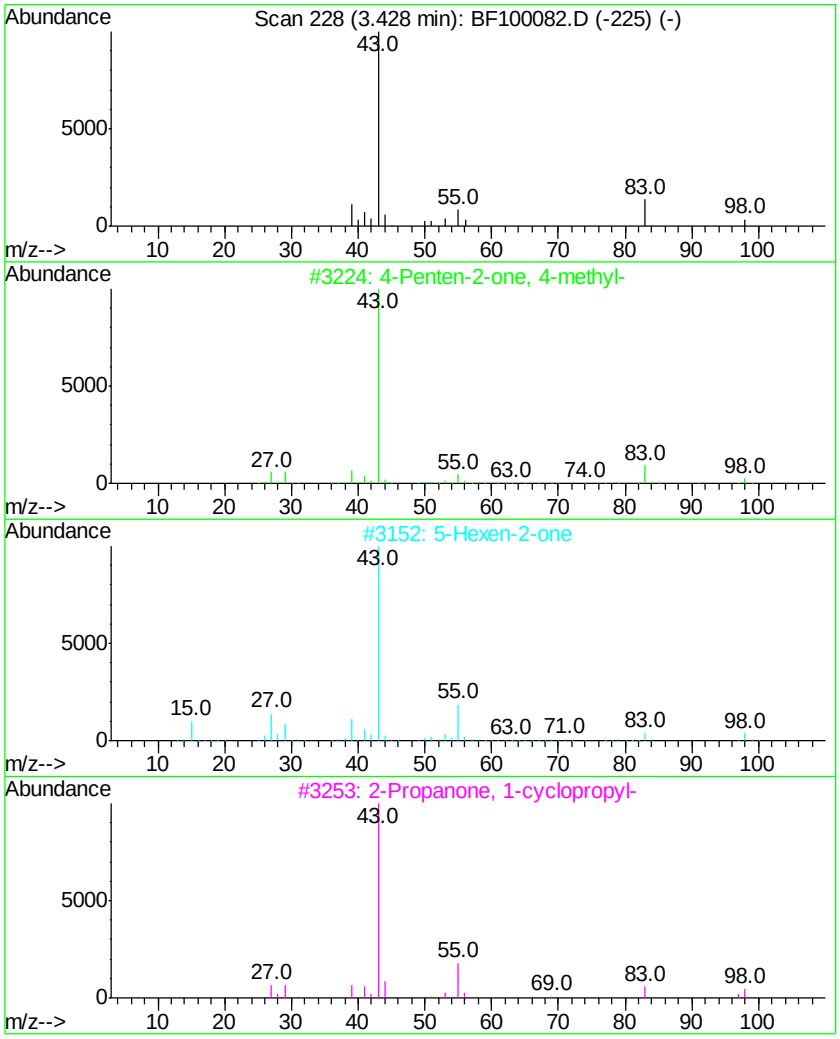
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

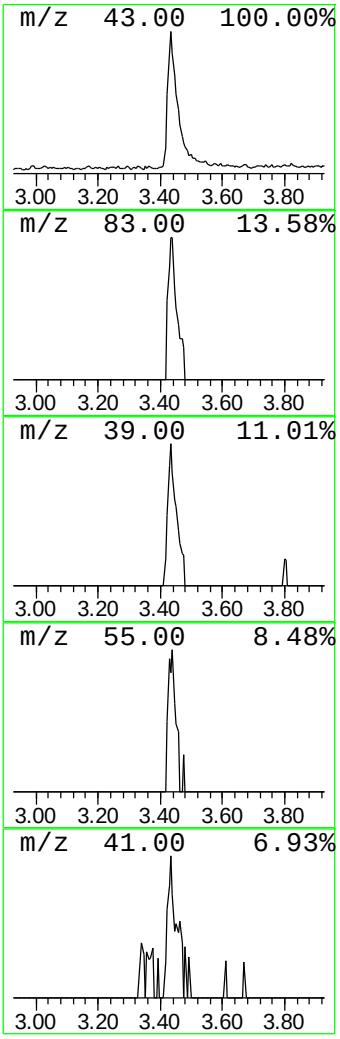
****

Peak Number 1 4-Penten-2-one, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.43	2.16 ng	56548	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	72
2	5-Hexen-2-one	98	C6H10O	000109-49-9	58
3	2-Propanone, 1-cyclopropyl-	98	C6H10O	004160-75-2	9
4	2-Propyn-1-ol, acetate	98	C5H6O2	000627-09-8	5
5	Ethanone, 1-cyclobutyl-	98	C6H10O	003019-25-8	4





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100082.D
Acq On : 2 Nov 2017 14:06
Operator : SJ/JU
Sample : I6226-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-1-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

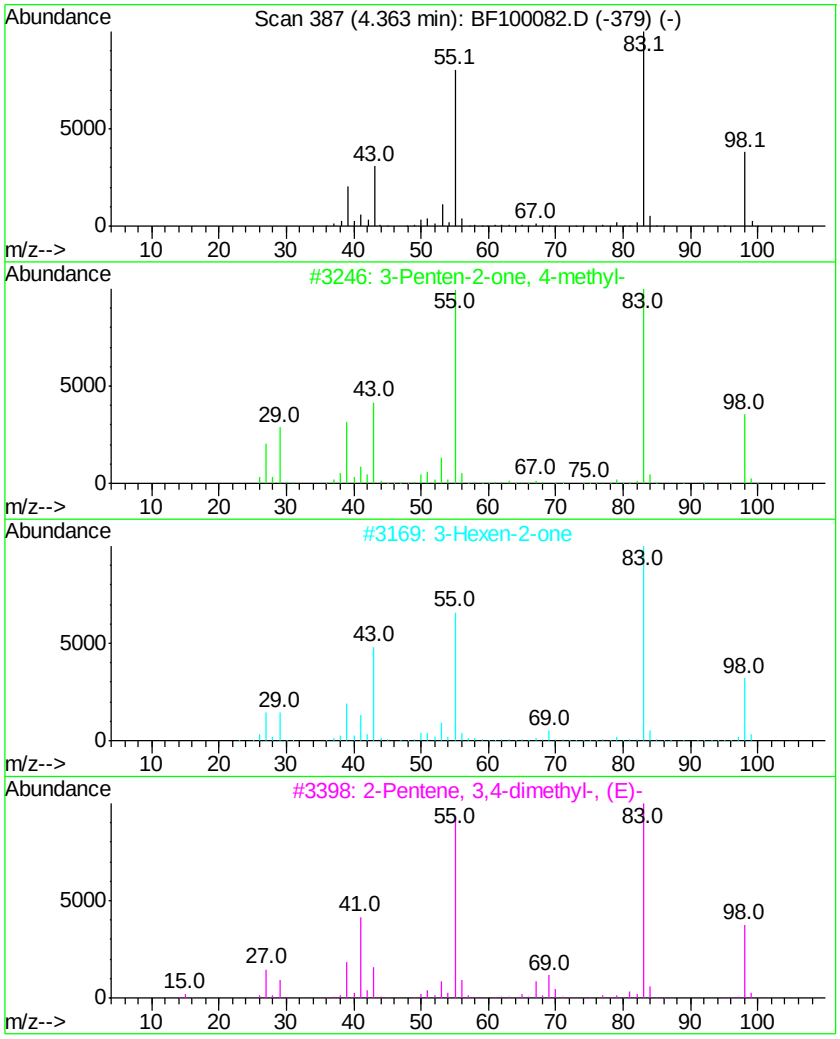
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

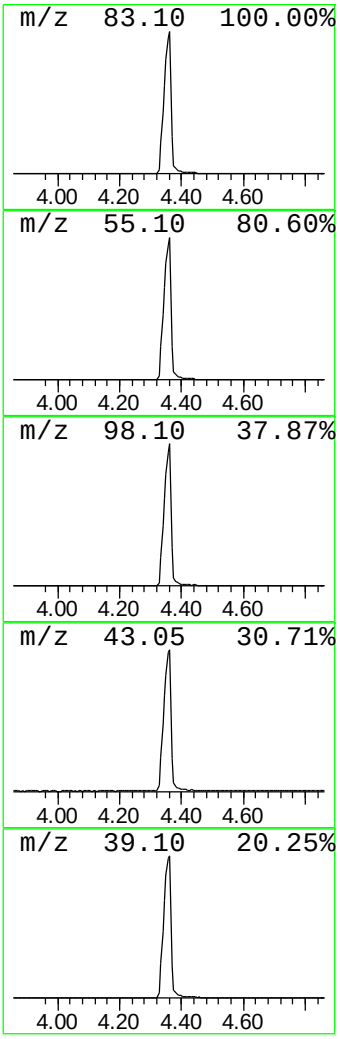
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.36	113.56 ng	2976710	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Hexen-2-one	98	C6H10O	000763-93-9	90
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	86
4	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	78
5	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	72





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100082.D
Acq On : 2 Nov 2017 14:06
Operator : SJ/JU
Sample : I6226-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-1-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

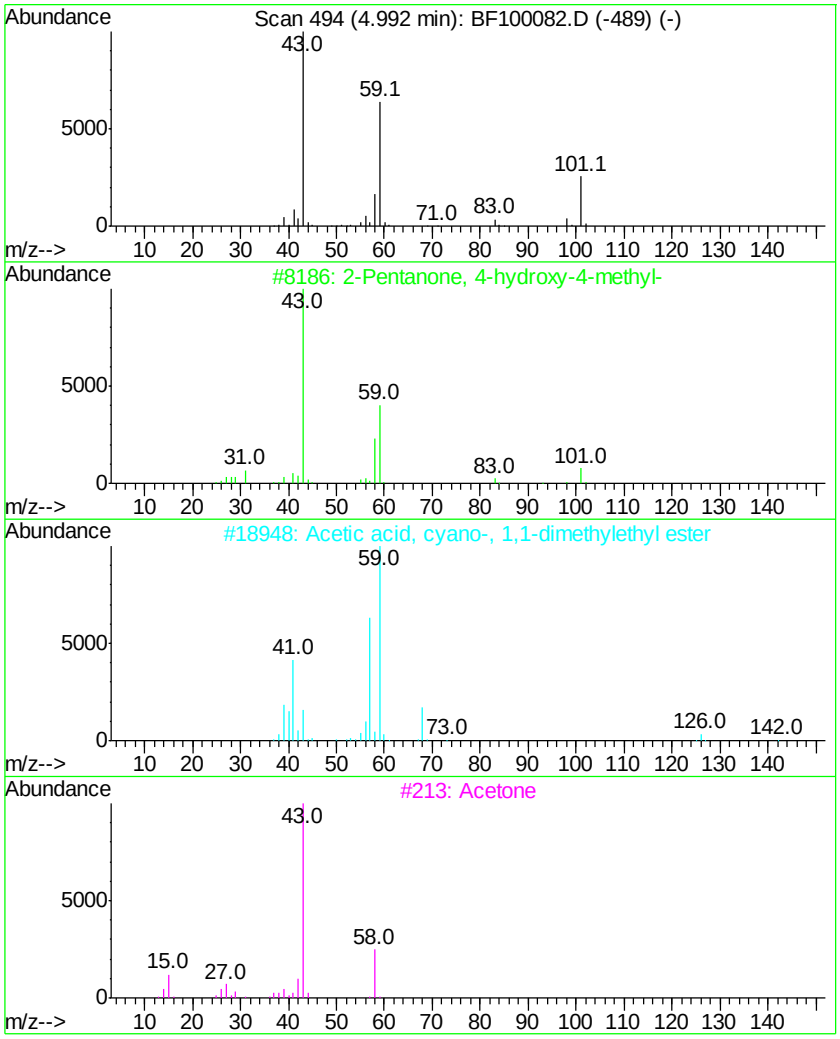
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

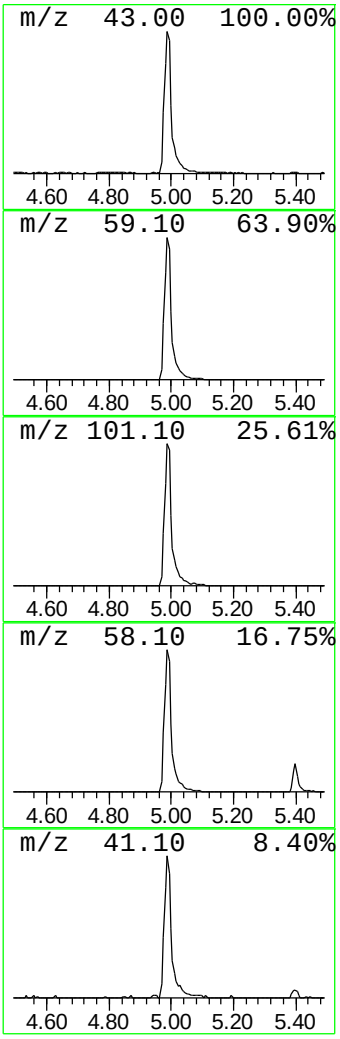
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	40.01 ng	1048840	1,4-Dichlorobenzene-d4	6.77

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	17
3	Acetone	58	C3H6O	000067-64-1	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Library Search Compound Report

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Data File : BF100082.D
Acq On : 2 Nov 2017 14:06
Operator : SJ/JU
Sample : I6226-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-1-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

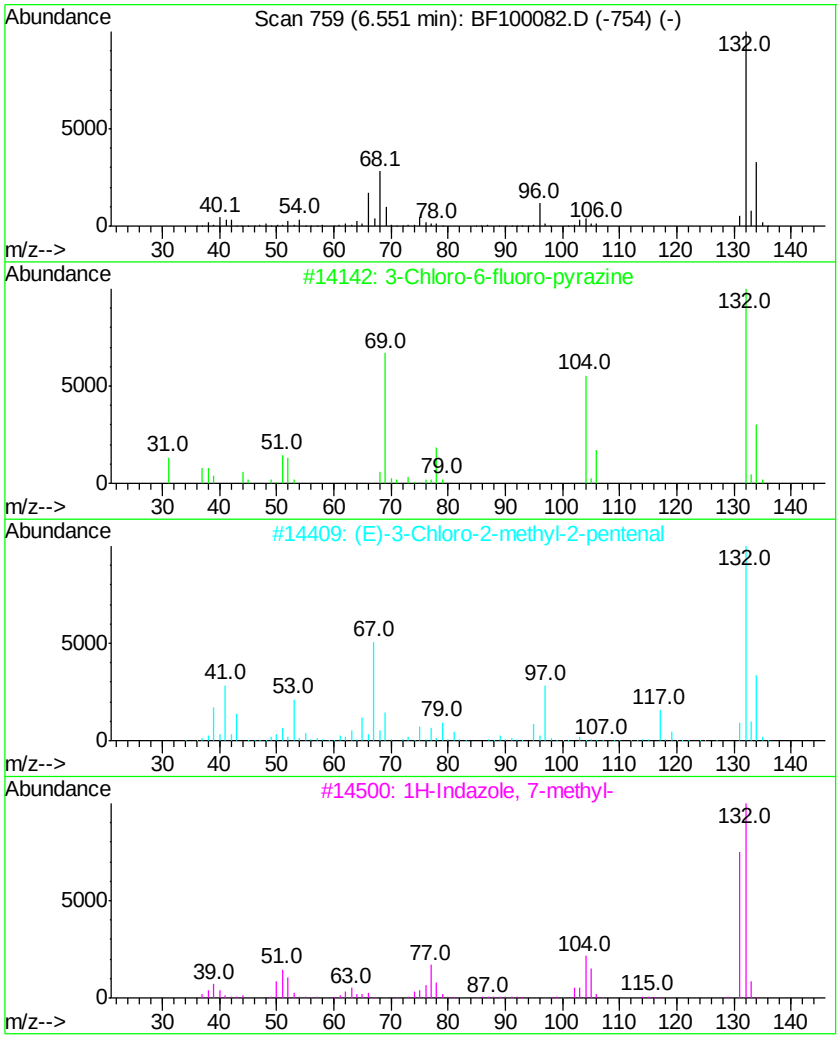
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

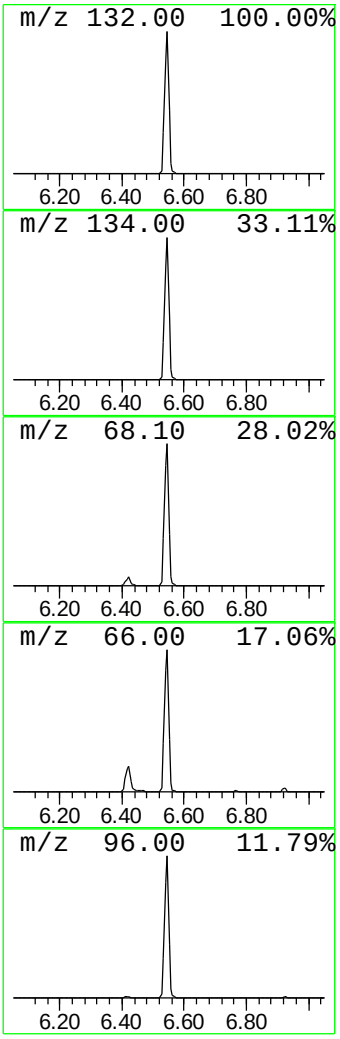
****

Peak Number 4 unknown6.55 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	75.70 ng	1984190	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	10
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100082.D
Acq On : 2 Nov 2017 14:06
Operator : SJ/JU
Sample : I6226-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-1-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

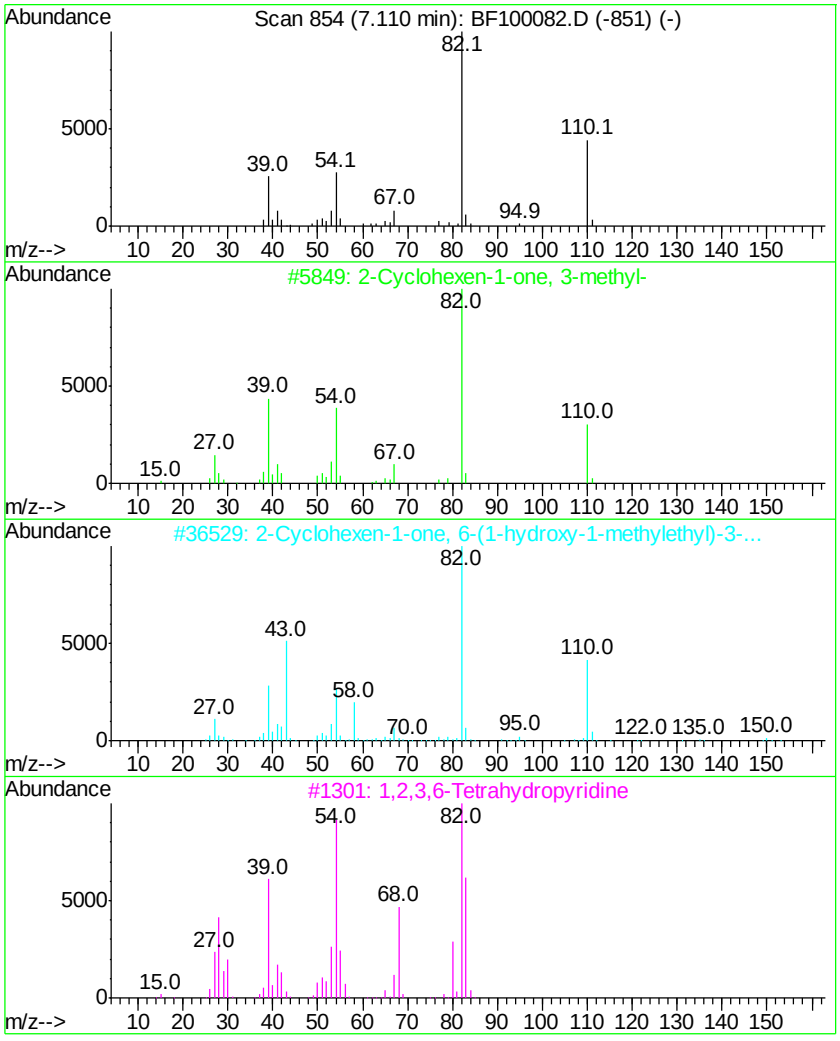
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

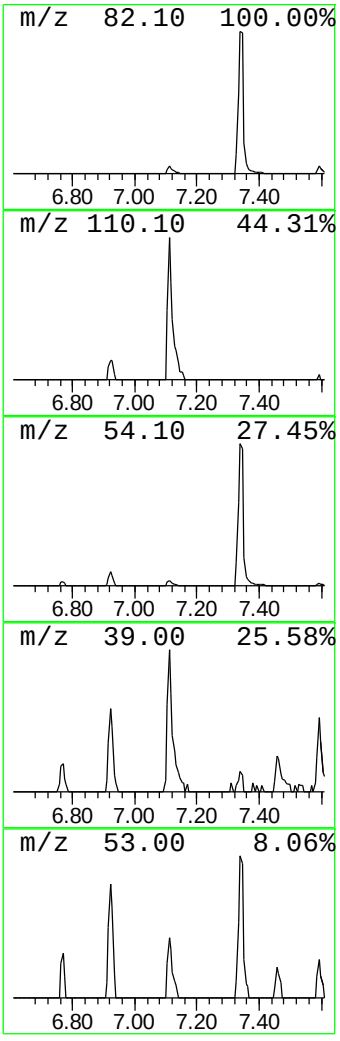
****

Peak Number 6 2-Cyclohexen-1-one, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	3.47 ng	91058	1,4-Dichlorobenzene-d4	6.77

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, 6-(1-hydroxy...	168	C10H16O2	087791-00-2	64
3	1,2,3,6-Tetrahydropyridine	83	C5H9N	000694-05-3	50
4	Betazole	111	C5H9N3	000105-20-4	43
5	1H-Pyrazole, 3-methyl-	82	C4H6N2	001453-58-3	40





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100082.D
Acq On : 2 Nov 2017 14:06
Operator : SJ/JU
Sample : I6226-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-1-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

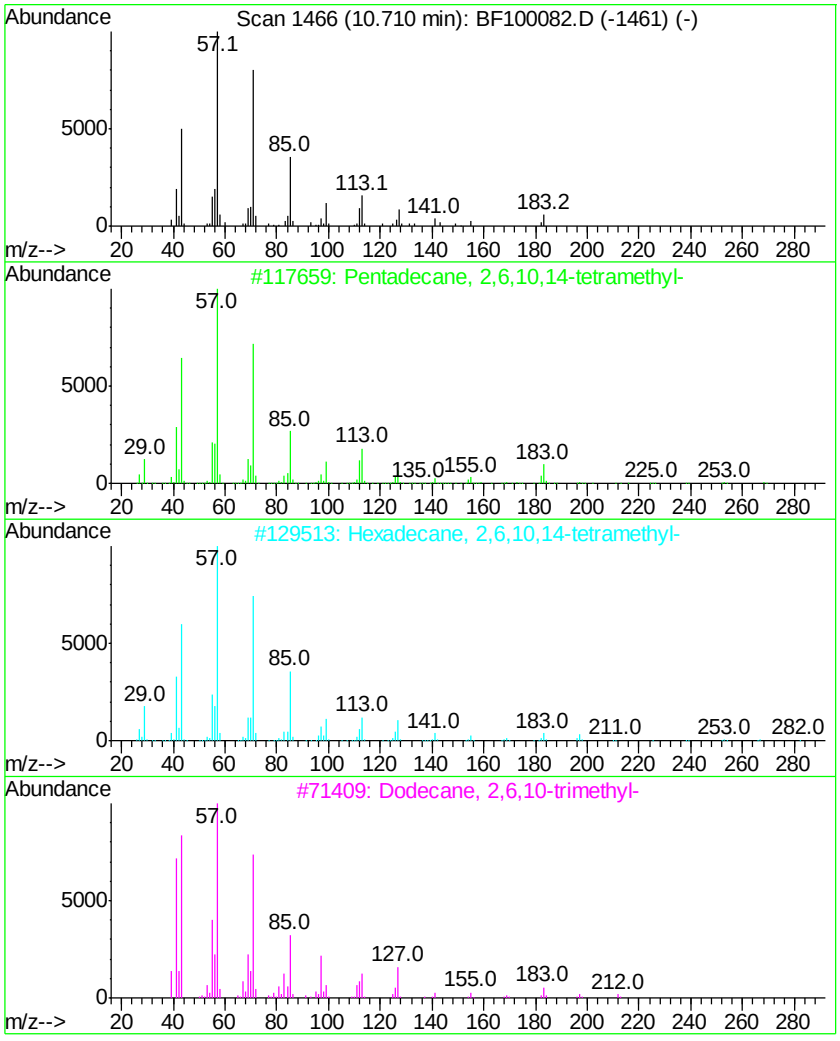
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

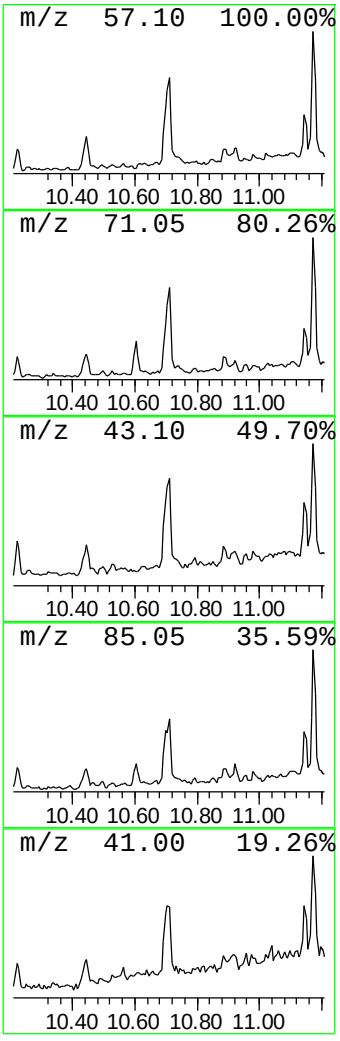
****

Peak Number 7 Pentadecane, 2,6,10,14-tetr... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.71	3.23 ng	148160	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	90
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	78
4	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59





Library Search Compound Report

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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-1-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

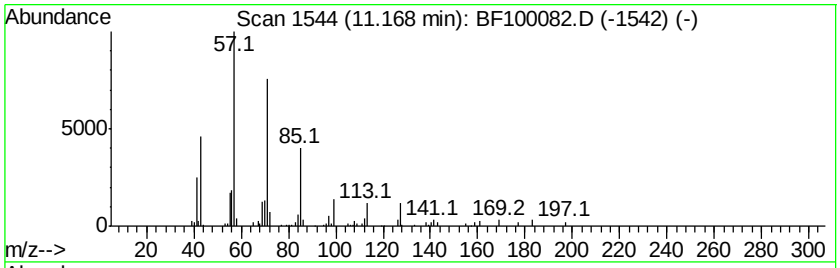
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

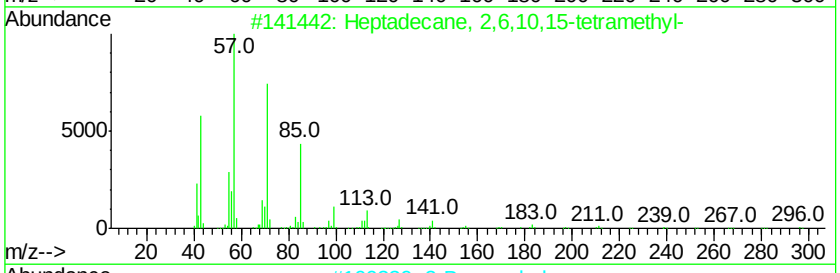
****

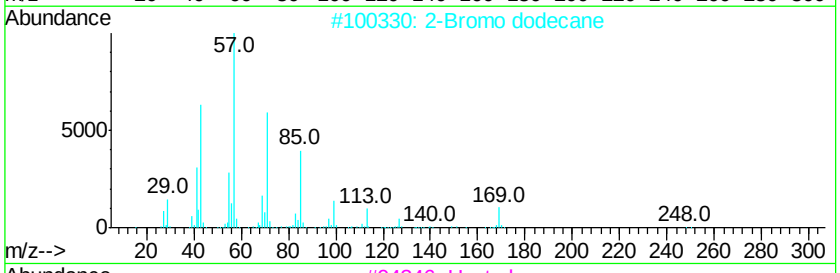
Peak Number 8 Heptadecane, 2,6,10,15-tetr... Concentration Rank 6

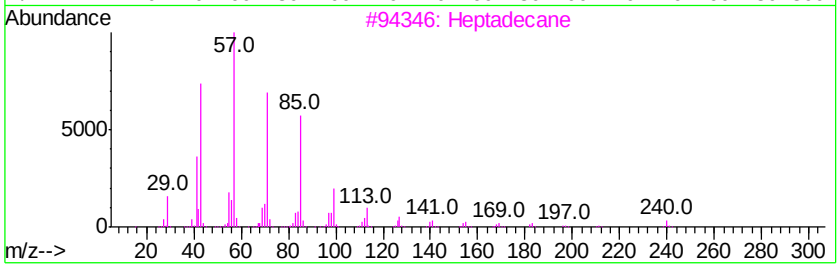
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	3.66 ng	168033	Phenanthrene-d10	11.30

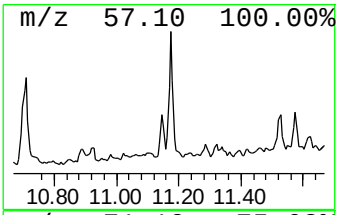
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	86
3	Heptadecane	240	C17H36	000629-78-7	86
4	Docosane	310	C22H46	000629-97-0	83
5	Hexacosane	366	C26H54	000630-01-3	80

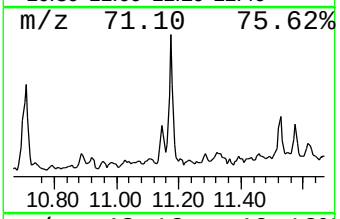


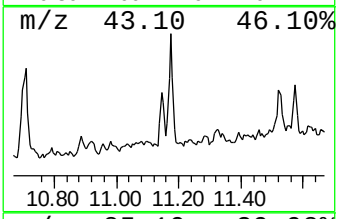


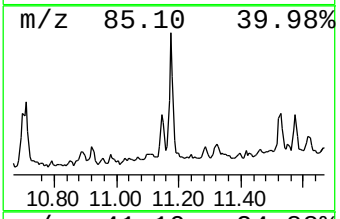


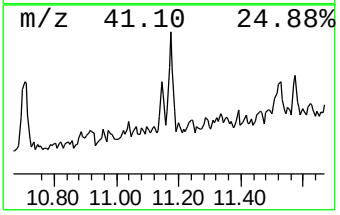












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Acq On : 2 Nov 2017 14:06
Operator : SJ/JU
Sample : I6226-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-1-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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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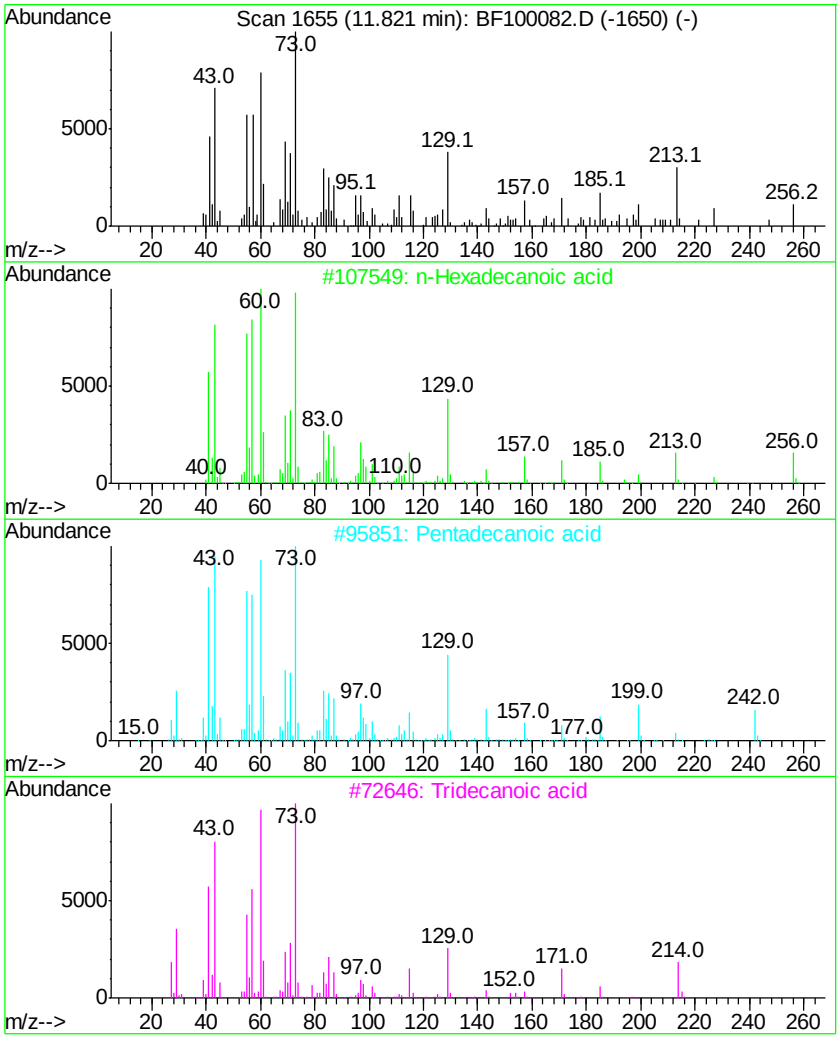
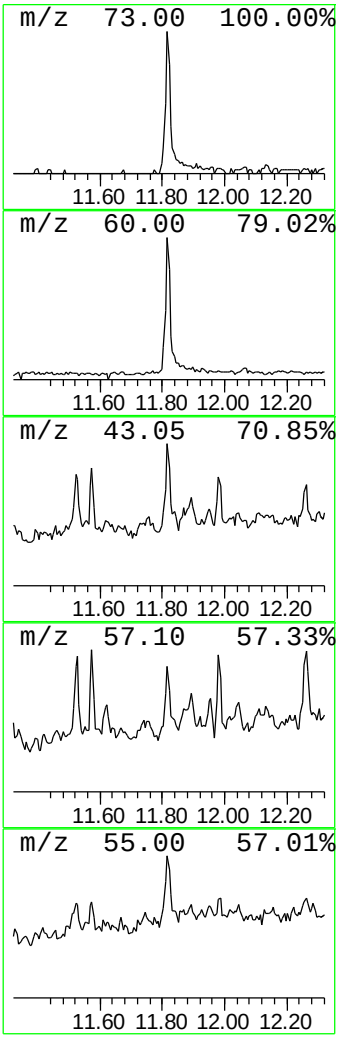
Peak Number 9 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	3.45 ng	158040	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
3	Tridecanoic acid	214	C13H26O2	000638-53-9	81
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	n-Decanoic acid	172	C10H20O2	000334-48-5	58





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Operator : SJ/JU
Sample : I6226-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-1-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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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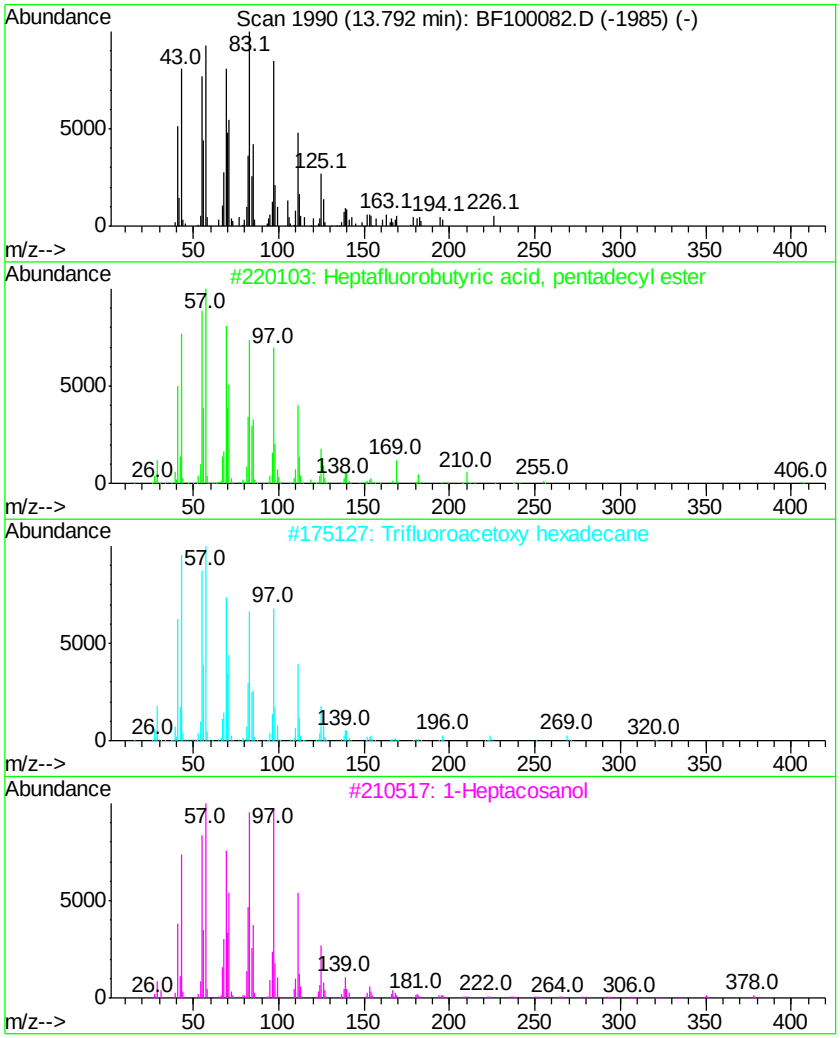
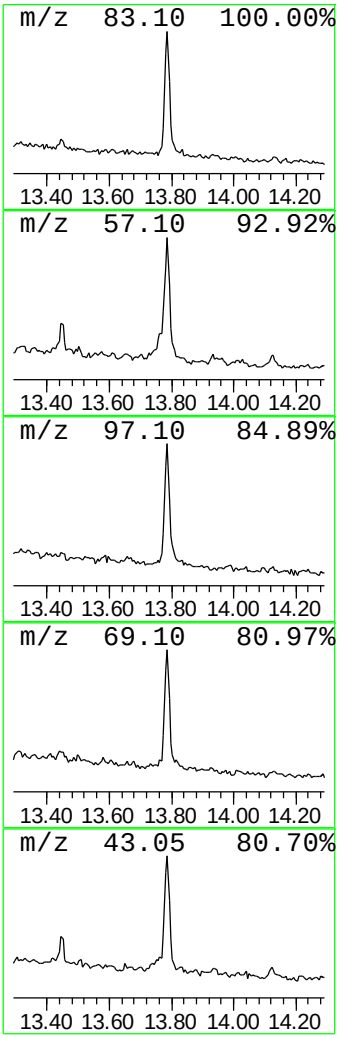
Peak Number 10 Heptafluorobutyric acid, pe... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	4.99 ng	196629	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
3	1-Heptacosanol	396	C27H56O	002004-39-9	93
4	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	91
5	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	91





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Data File : BF100082.D
Acq On : 2 Nov 2017 14:06
Operator : SJ/JU
Sample : I6226-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-1-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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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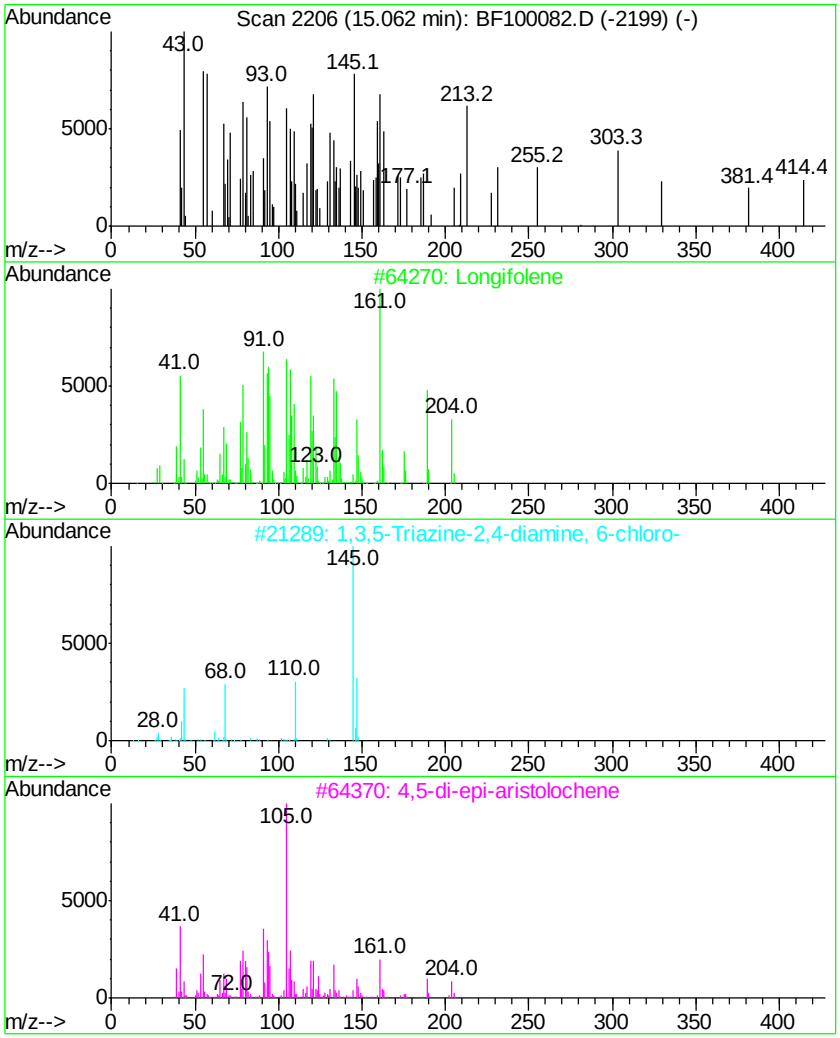
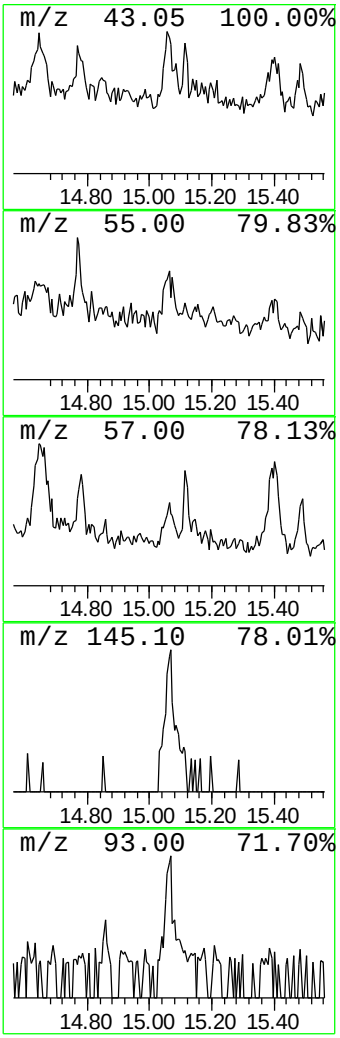
Peak Number 11 unknown15.06 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	3.39 ng	101568	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Longifolene	204	C15H24	000475-20-7	11
2	1,3,5-Triazine-2,4-diamine, 6-ch...	145	C3H4ClN5	003397-62-4	11
3	4,5-di-epi-aristolochene	204	C15H24	1000374-17-1	10
4	Norflurazon	303	C12H9ClF3N3O	027314-13-2	10
5	2-Amino-4-chloro-6-hydroxypyrimi...	145	C4H4ClN3O	001194-21-4	10





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF110217\
Data File : BF100082.D
Acq On : 2 Nov 2017 14:06
Operator : SJ/JU
Sample : I6226-17
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-1-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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
4-Penten-2-one, 4...	3.43	2.2	ng	56548	1	6.77	524255	20.0
3-Penten-2-one, 4...	4.36	113.6	ng	2976710	1	6.77	524255	20.0
2-Pentanone, 4-hy...	4.99	40.0	ng	1048840	1	6.77	524255	20.0
unknown6.55	6.55	75.7	ng	1984190	1	6.77	524255	20.0
2-Cyclohexen-1-on...	7.11	3.5	ng	91058	1	6.77	524255	20.0
Pentadecane, 2,6,...	10.71	3.2	ng	148160	4	11.30	917194	20.0
Heptadecane, 2,6,...	11.17	3.7	ng	168033	4	11.30	917194	20.0
n-Hexadecanoic acid	11.82	3.5	ng	158040	4	11.30	917194	20.0
Heptafluorobutyri...	13.79	5.0	ng	196629	5	13.99	788281	20.0
unknown15.06	15.06	3.4	ng	101568	6	15.52	599364	20.0