LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094629.D
Acq On : 26 Apr 2017 3:19
Operator : SJ/MA
Sample : I2820-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433B

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-BF041717.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	3.913	332	336	346	rBV	287847	371174	10.49%	1.321%
2	4.307	398	403	406	rBV	3353224	3340193	94.37%	11.884%
3	4.960	511	514	518	rVB	69014	68690	1.94%	0.244%
4	5.384	581	586	589	rBV	2839506	3495814	98.77%	12.437%
5	5.507	602	607	610	rBV	3368061	3539327	100.00%	12.592%
6	5.754	645	649	653	rBV	837250	713203	20.15%	2.537%
7	5.931	675	679	683	rBV	2697463	2618531	73.98%	9.316%
8	6.407	754	760	763	rBV	2076165	2076444	58.67%	7.387%
9	6.536	779	782	786	rBV	39599	39215	1.11%	0.140%
10	7.248	899	903	909	rBV	1039139	940425	26.57%	3.346%
11	8.572	1123	1128	1131	rBV	3300967	3237194	91.46%	11.517%
12	9.072	1209	1213	1218	rBV	402635	357241	10.09%	1.271%
13	9.383	1259	1266	1270	rBV2	884281	906656	25.62%	3.226%
14	9.977	1364	1367	1371	rVB	50206	46979	1.33%	0.167%
15	10.360	1427	1432	1445	rBV	1470361	1578485	44.60%	5.616%
16	10.560	1464	1466	1474	rBV	58193	79647	2.25%	0.283%
17	11.118	1558	1561	1563	rBV	43823	40446	1.14%	0.144%
18	11.201	1571	1575	1579	rBV	746283	725190	20.49%	2.580%
19	11.936	1696	1700	1708	rBV2	43000	80530	2.28%	0.287%
20	12.130	1729	1733	1740	rVB2	68710	82630	2.33%	0.294%
21	12.271	1753	1757	1764	rVB	95661	94062	2.66%	0.335%
22	12.695	1826	1829	1832	rBV	49158	48854	1.38%	0.174%
23	12.965	1871	1875	1879	rVB	60367	67439	1.91%	0.240%
24	13.183	1907	1912	1915	rBV	1944960	2007430	56.72%	7.142%
25	13.342	1935	1939	1943	rBV	119459	128739	3.64%	0.458%
26	14.354	2106	2111	2117	rBV3	60997	120646	3.41%	0.429%
27	14.454	2123	2128	2132	rBV	714418	776422	21.94%	2.762%
28	16.083	2401	2405	2414	rBV	461828	525980	14.86%	1.871%

Sum of corrected areas: 28107586

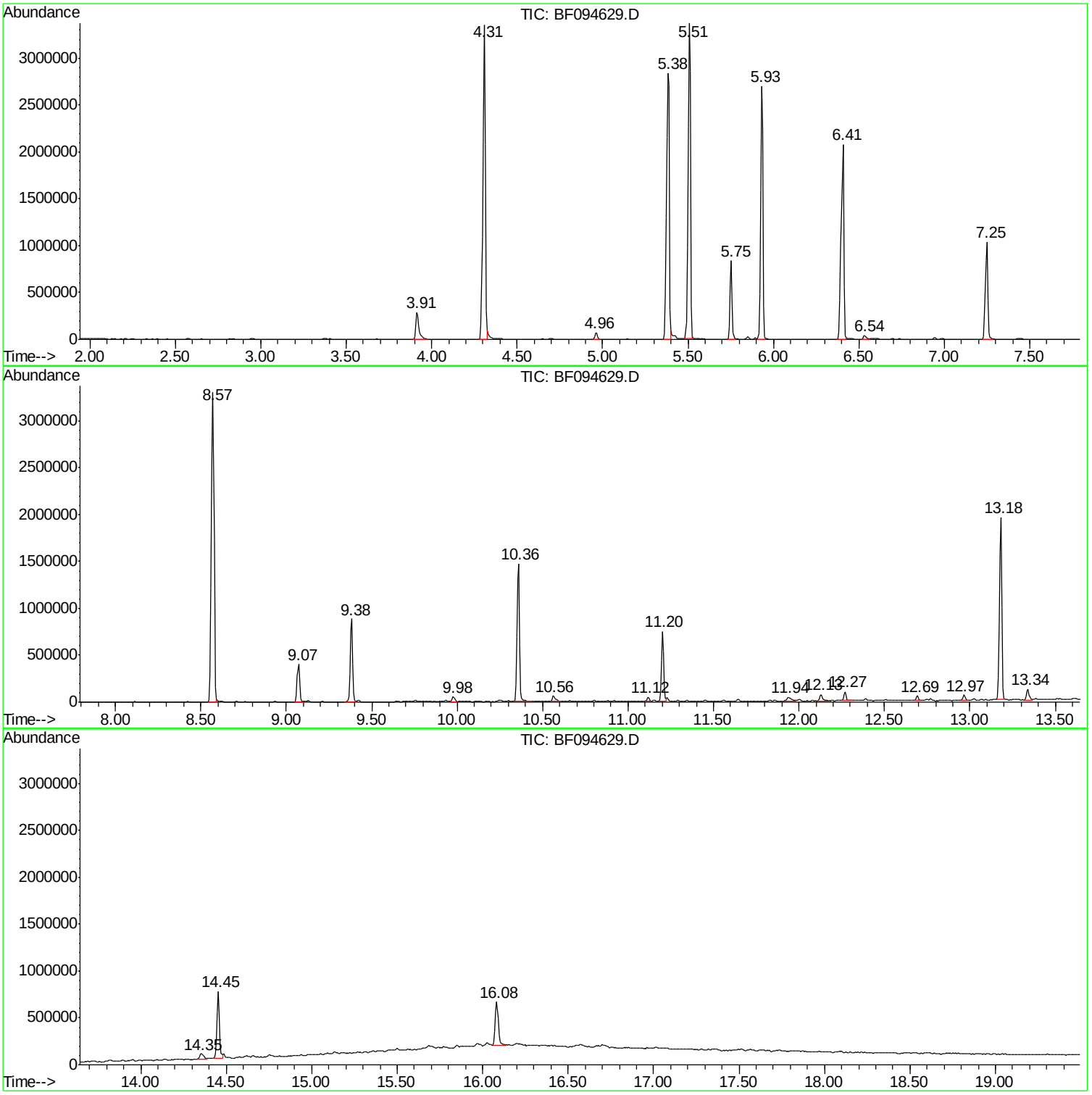
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094629.D
Acq On : 26 Apr 2017 3:19
Operator : SJ/MA
Sample : I2820-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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 : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094629.D
Acq On : 26 Apr 2017 3:19
Operator : SJ/MA
Sample : I2820-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

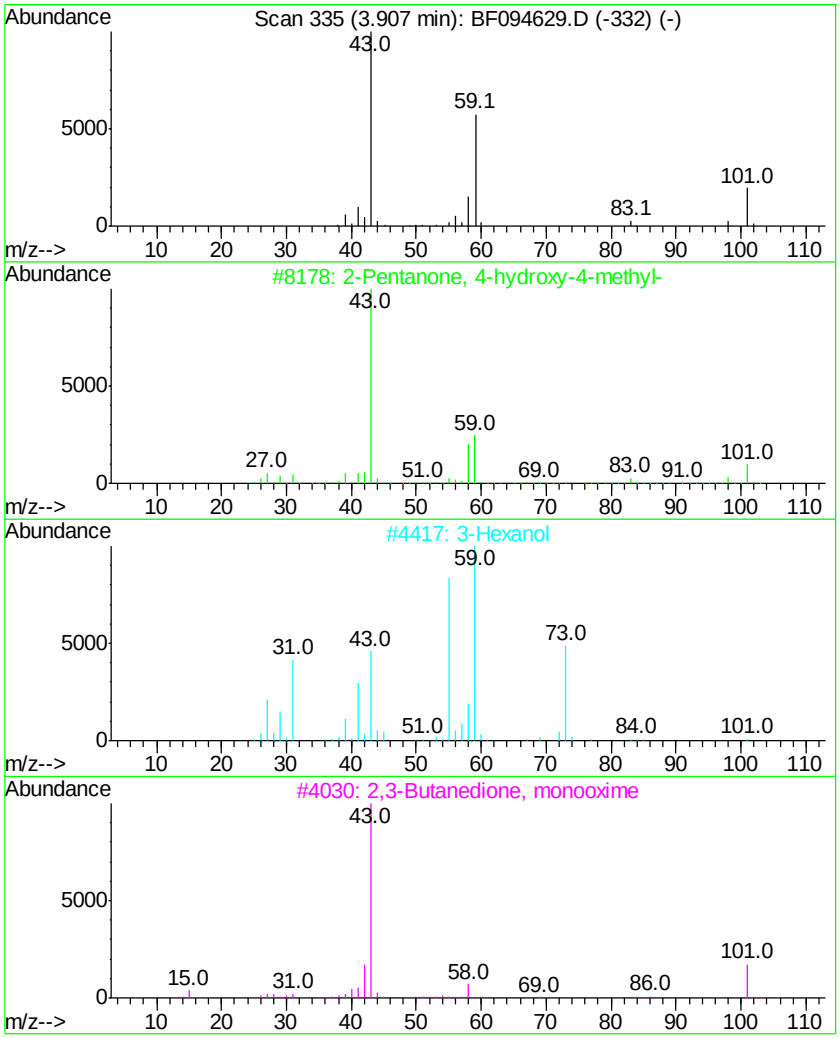
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

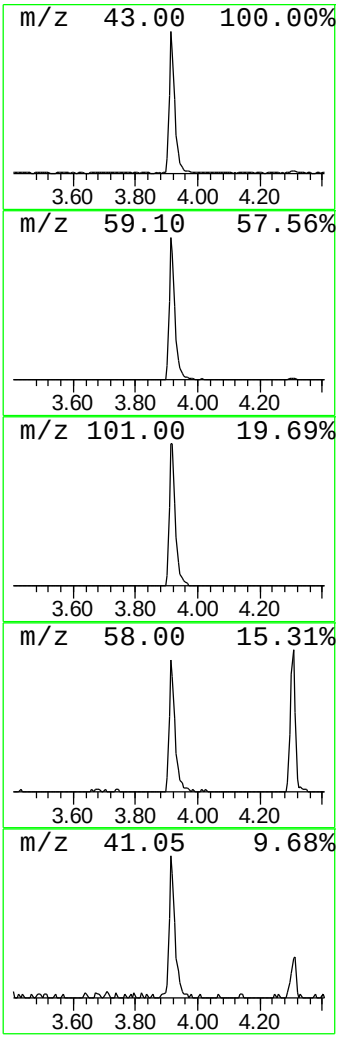
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.91	10.41 ng	371174	1,4-Dichlorobenzene-d4	5.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Hexanol	102	C6H14O	000623-37-0	28
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094629.D
Acq On : 26 Apr 2017 3:19
Operator : SJ/MA
Sample : I2820-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

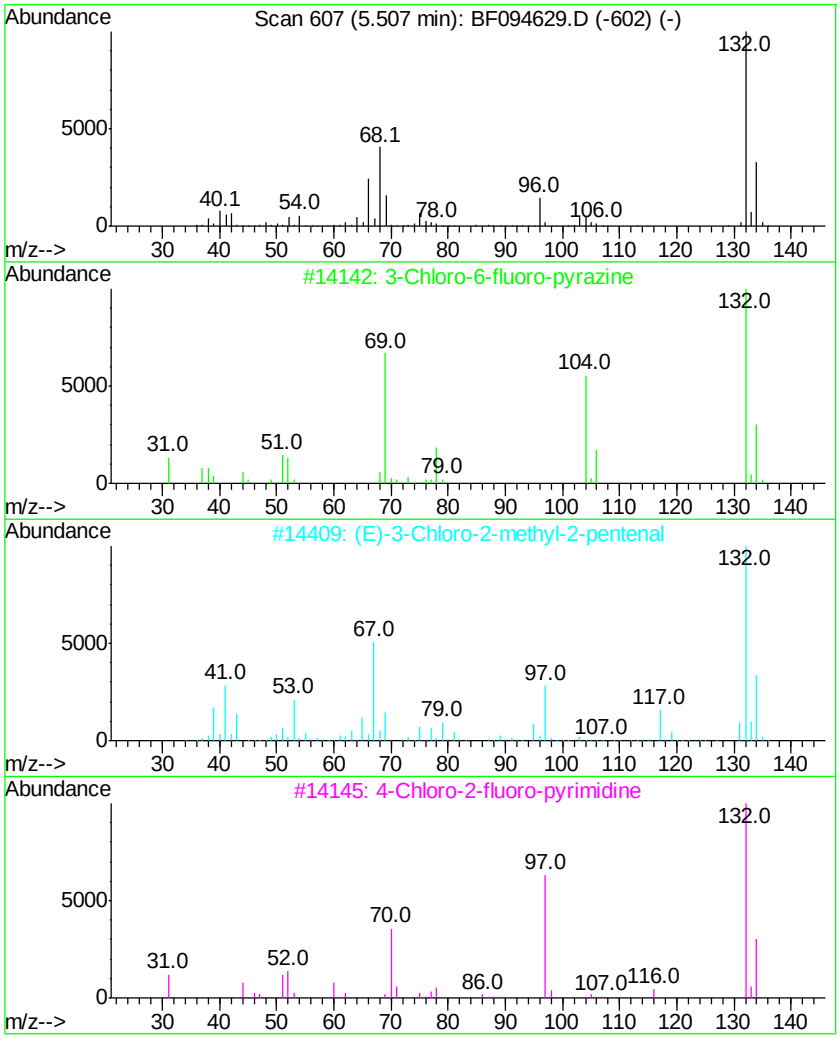
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

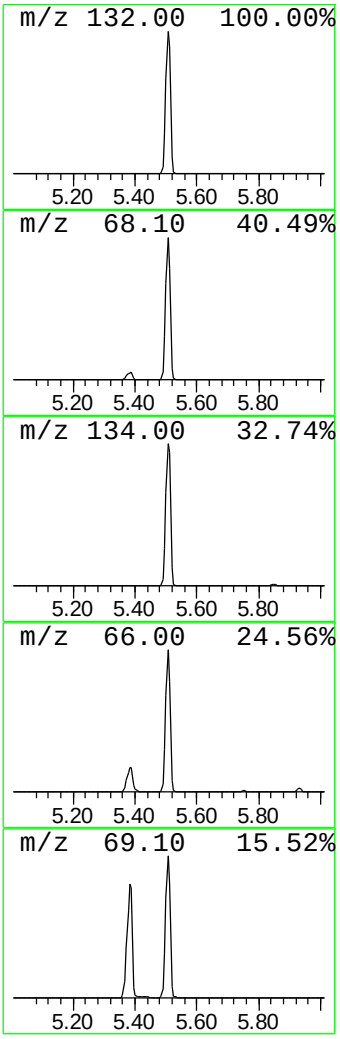
****

Peak Number 2 unknown5.51 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.51	99.25 ng	3539330	1,4-Dichlorobenzene-d4	5.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094629.D
Acq On : 26 Apr 2017 3:19
Operator : SJ/MA
Sample : I2820-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

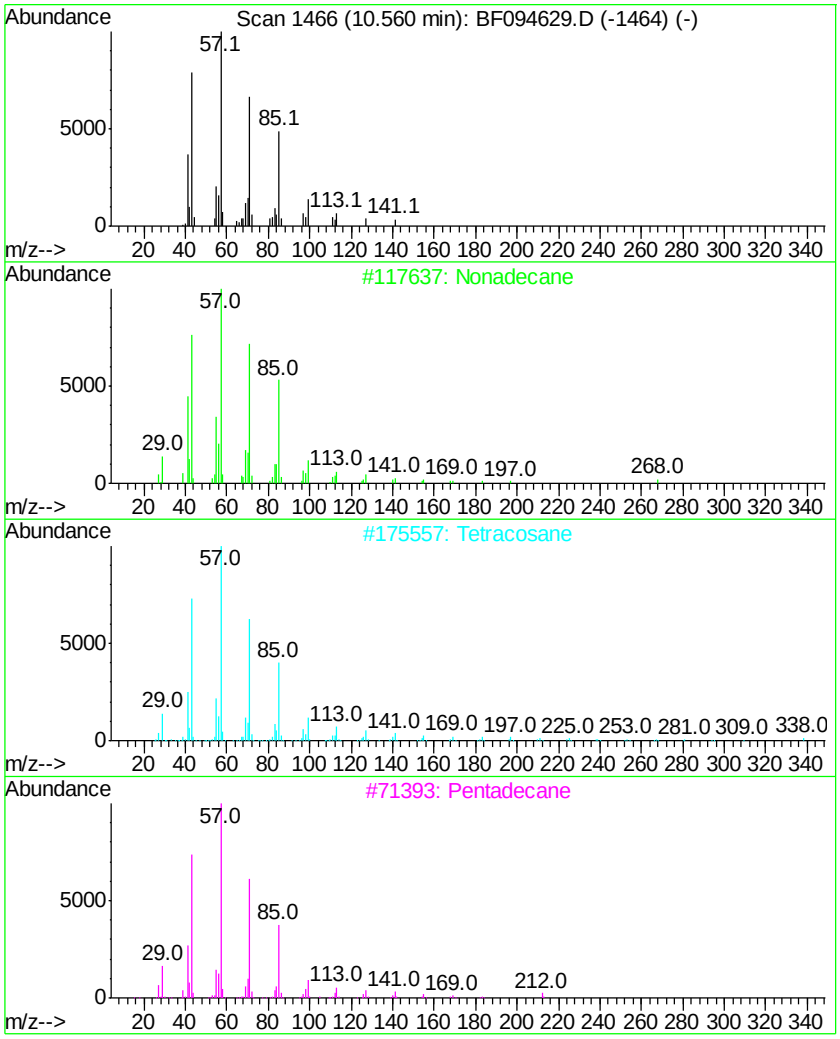
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

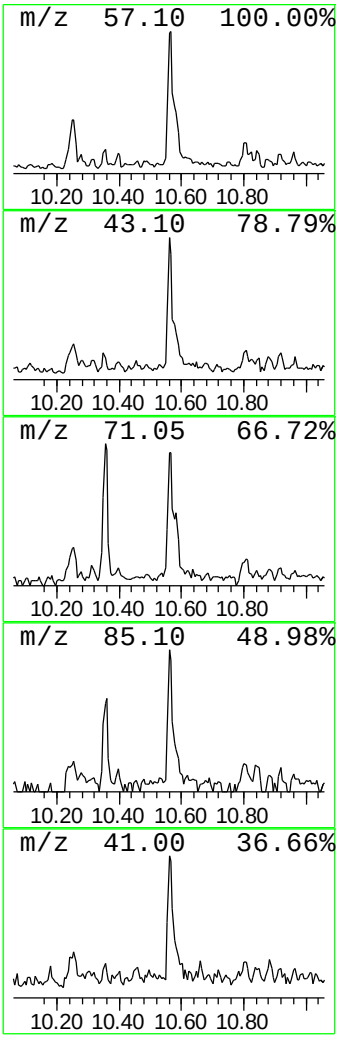
****

Peak Number 4 Nonadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	2.20 ng	79647	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	87
2	Tetracosane	338	C24H50	000646-31-1	87
3	Pentadecane	212	C15H32	000629-62-9	86
4	Heptadecane	240	C17H36	000629-78-7	86
5	Tetradecane	198	C14H30	000629-59-4	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094629.D
Acq On : 26 Apr 2017 3:19
Operator : SJ/MA
Sample : I2820-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

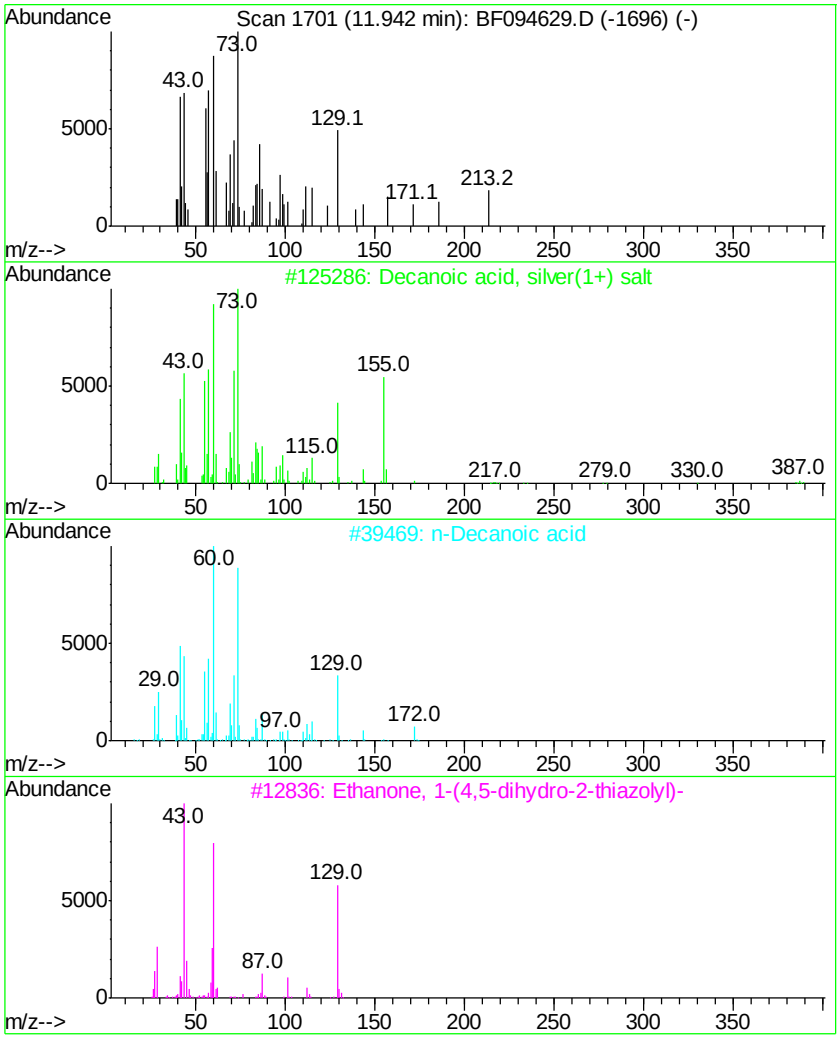
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

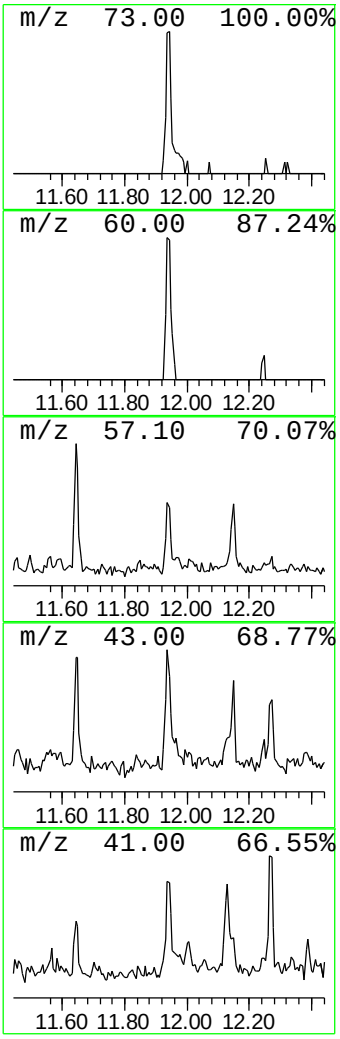
****

Peak Number 5 Decanoic acid, silver(1+) salt Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	2.22 ng	80530	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decanoic acid, silver(1+) salt	278	C10H19AgO2	013126-67-5	64
2	n-Decanoic acid	172	C10H20O2	000334-48-5	47
3	Ethanone, 1-(4,5-dihydro-2-thiaz...	129	C5H7NOS	029926-41-8	27
4	Xylose	150	C5H10O5	000058-86-6	27
5	Sulfurous acid, butyl pentadecyl...	348	C19H40O3S	1000309-18-2	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094629.D
Acq On : 26 Apr 2017 3:19
Operator : SJ/MA
Sample : I2820-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

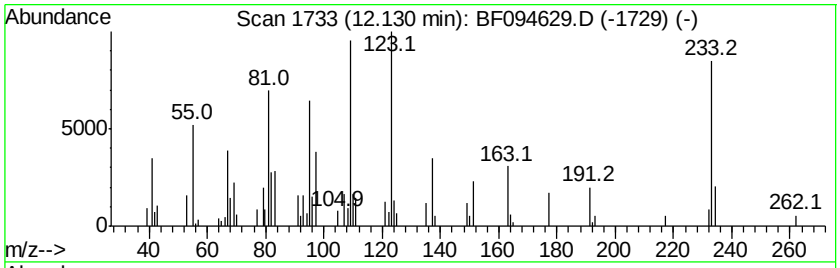
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

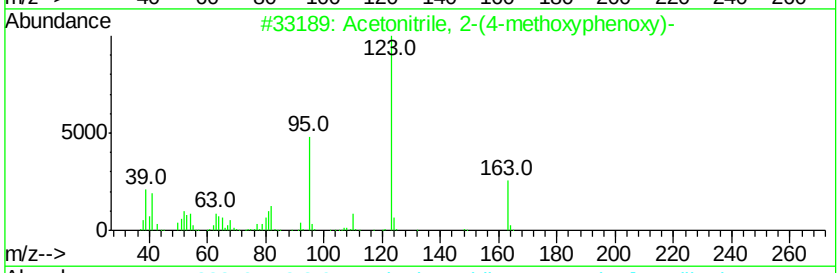
****

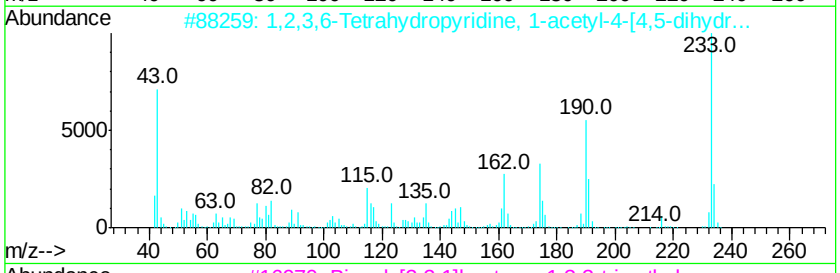
Peak Number 6 unknown12.13 Concentration Rank 7

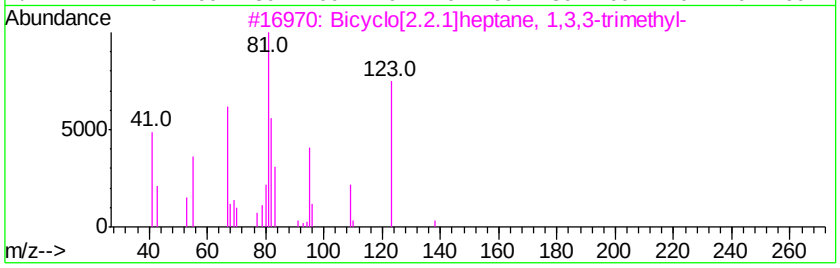
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.28 ng	82630	Phenanthrene-d10	11.20

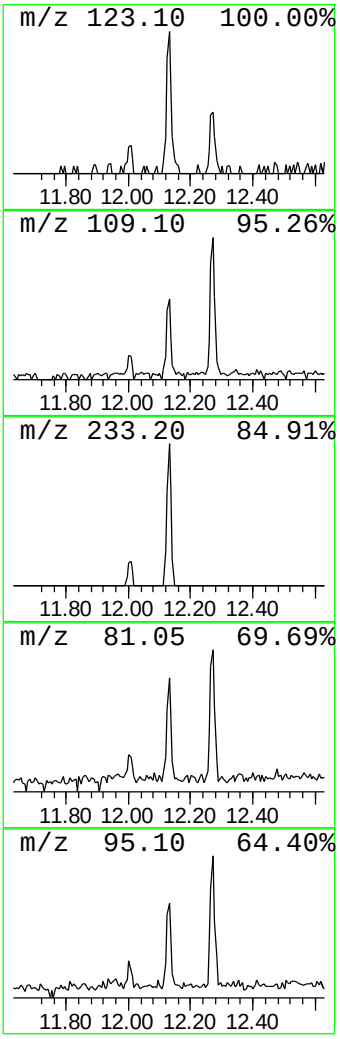
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, 2-(4-methoxyphenoxy)-	163	C9H9NO2	022446-12-4	18
2	1,2,3,6-Tetrahydropyridine, 1-ac...	233	C13H15NO3	094427-36-8	18
3	Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	18
4	3-Cyclohexene-1-carboxaldehyde, ...	152	C10H16O	040702-26-9	14
5	Benzoic acid, 3-fluoro-, anhydride	262	C14H8F2O3	056666-54-7	14











Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094629.D
Acq On : 26 Apr 2017 3:19
Operator : SJ/MA
Sample : I2820-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

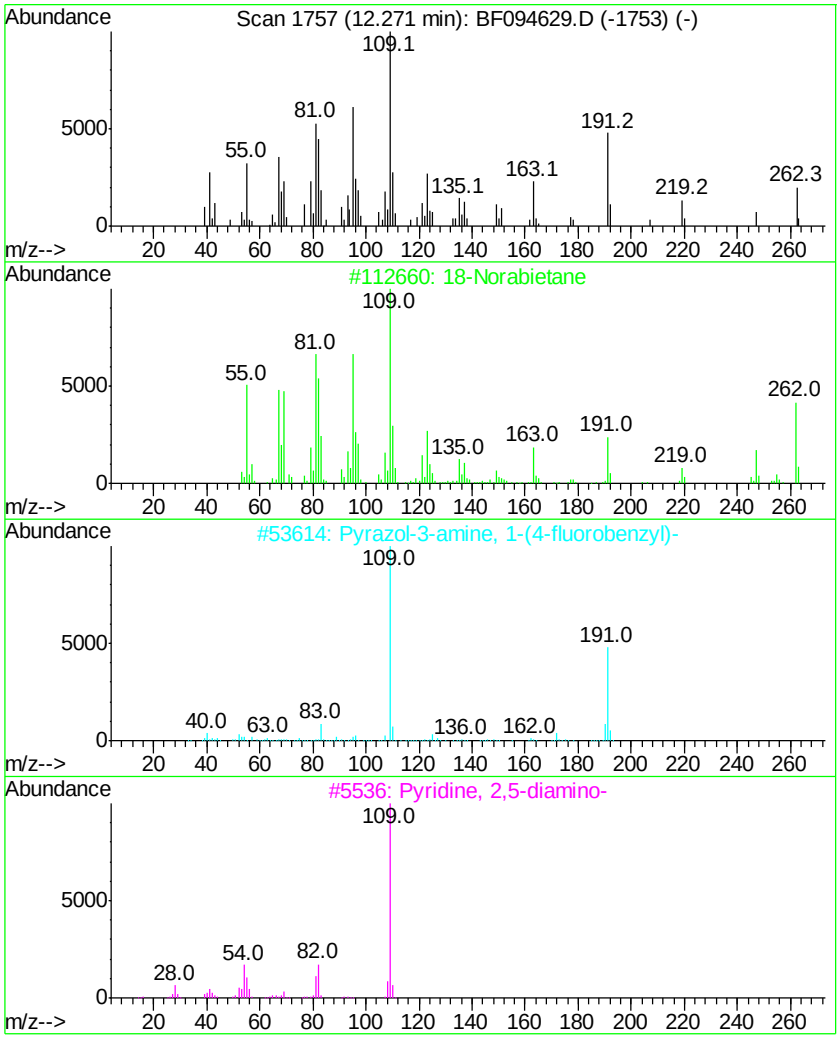
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

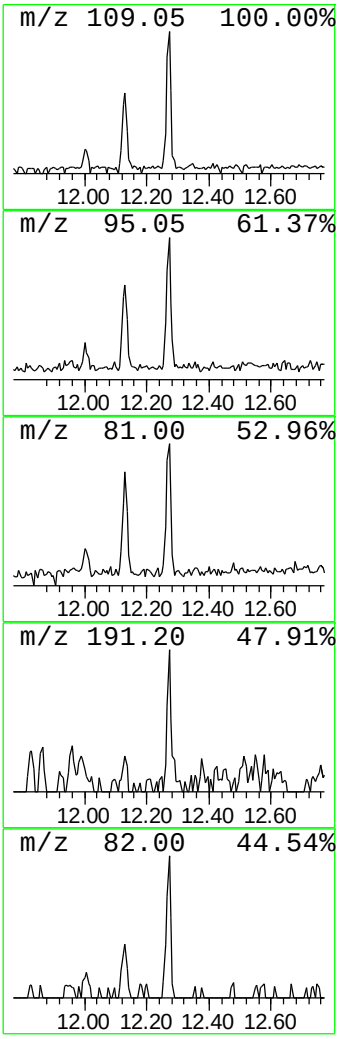
****

Peak Number 7 18-Norabietane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	2.59 ng	94062	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	97
2	Pyrazol-3-amine, 1-(4-fluorobenz...	191	C10H10FN3	1000272-83-2	35
3	Pyridine, 2,5-diamino-	109	C5H7N3	004318-76-7	27
4	2,3-Pyridinediamine	109	C5H7N3	000452-58-4	27
5	9-Octadecyne	250	C18H34	035365-59-4	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094629.D
Acq On : 26 Apr 2017 3:19
Operator : SJ/MA
Sample : I2820-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

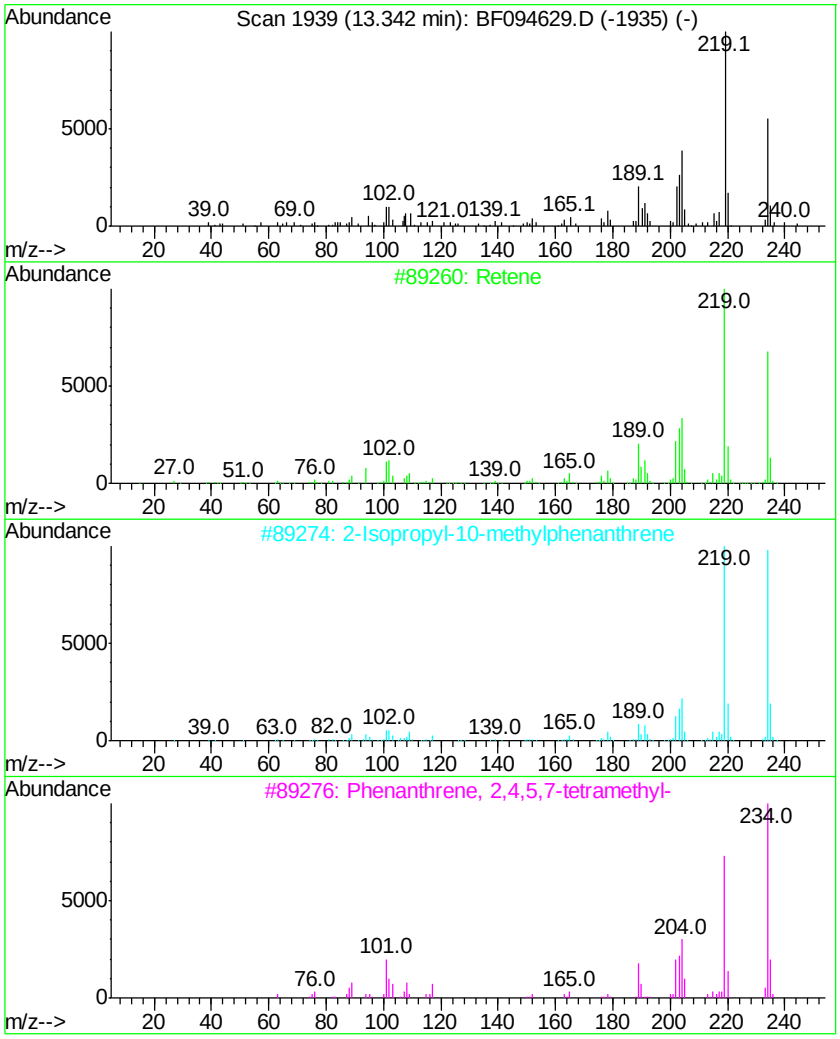
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

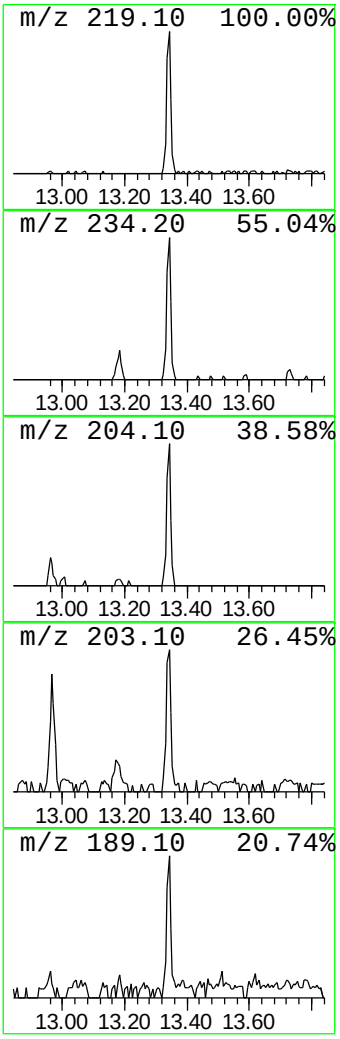
****

Peak Number 8 Retene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	3.32 ng	128739	Chrysene-d12	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	99
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	86
4	1,4-Di-(4'-methylphenyl)buta-1,3...	234	C18H18	1000202-17-5	72
5	1-(10-Methylanthracen-9-yl)ethanone	234	C17H14O	036778-18-4	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
Data File : BF094629.D
Acq On : 26 Apr 2017 3:19
Operator : SJ/MA
Sample : I2820-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

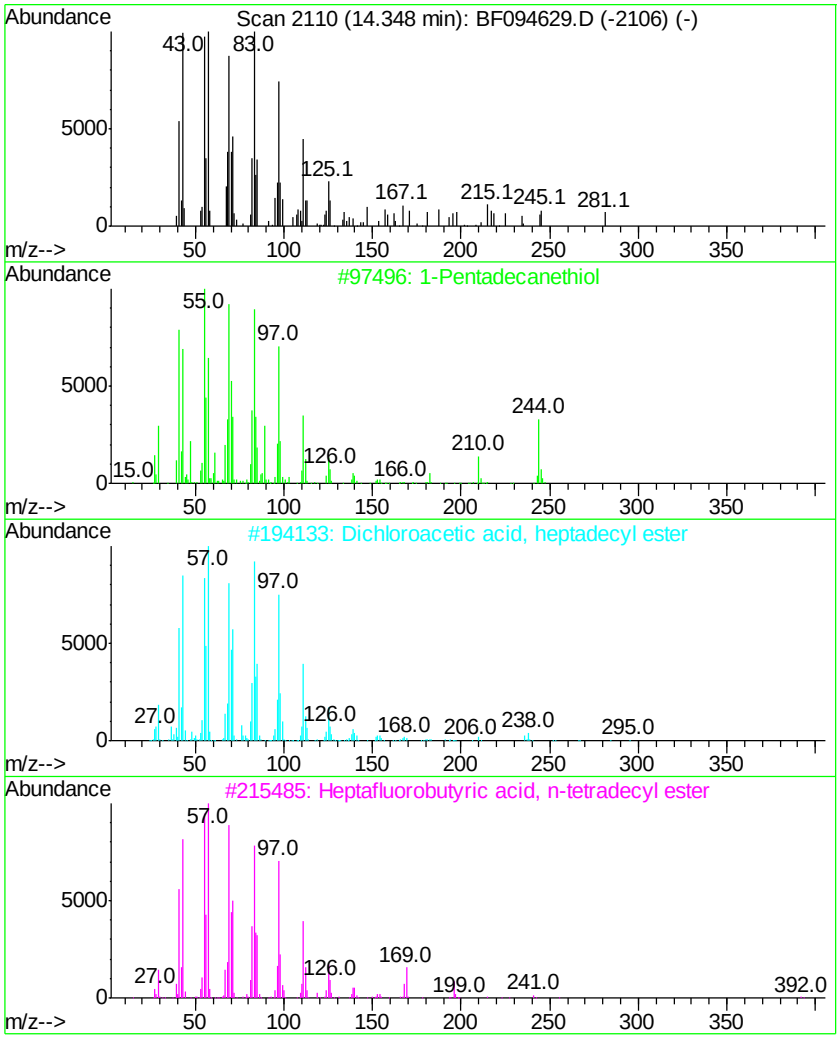
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

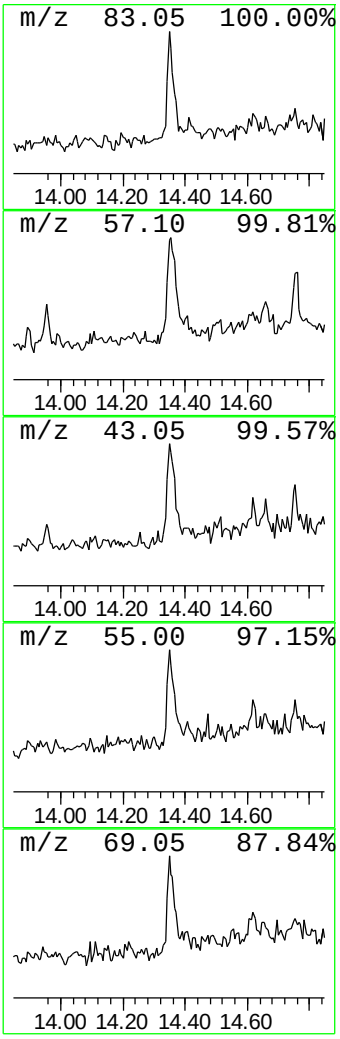
****

Peak Number 9 1-Pentadecanethiol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	3.11 ng	120646	Chrysene-d12	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentadecanethiol	244	C15H32S	025276-70-4	93
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	93
3	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	93
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042517\
Data File : BF094629.D
Acq On : 26 Apr 2017 3:19
Operator : SJ/MA
Sample : I2820-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB433B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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
2-Pentanone, 4-hy...	3.91	10.4	ng	371174	1	5.75	713203	20.0
unknown5.51	5.51	99.3	ng	3539330	1	5.75	713203	20.0
Nonadecane	10.56	2.2	ng	79647	4	11.20	725190	20.0
Decanoic acid, si...	11.94	2.2	ng	80530	4	11.20	725190	20.0
unknown12.13	12.13	2.3	ng	82630	4	11.20	725190	20.0
18-Norabietane	12.27	2.6	ng	94062	4	11.20	725190	20.0
Retene	13.34	3.3	ng	128739	5	14.45	776422	20.0
1-Pentadecanethiol	14.35	3.1	ng	120646	5	14.45	776422	20.0