LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000829.D
Acq On : 23 Apr 2018 15:28
Operator : JU/SJ
Sample : J2467-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW8

Integration Parameters: events.e
Integrator: ChemStation
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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_N\METHODS\SOM-EPA-BN041918-PAH.M
Title : ??? S

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.798	643	648	657	rVB	76837	120031	7.84%	0.610%
2	6.969	671	677	688	rBV	314483	474852	31.01%	2.413%
3	7.157	703	709	718	rVB	302185	459944	30.04%	2.337%
4	7.622	782	788	796	rBV	484307	731138	47.75%	3.715%
5	8.322	901	907	916	rBV	233197	350601	22.90%	1.781%
6	8.763	975	982	989	rBV	325950	512319	33.46%	2.603%
7	9.481	1098	1104	1112	rBV	249741	398438	26.02%	2.024%
8	10.010	1187	1194	1203	rBV	408111	627764	40.99%	3.190%
9	10.386	1251	1258	1268	rVB	662267	1064128	69.49%	5.407%
10	13.092	1714	1718	1727	rVB	13514	17441	1.14%	0.089%
11	13.669	1810	1816	1820	rBV	680595	876802	57.26%	4.455%
12	13.716	1820	1824	1829	rVB	164064	207922	13.58%	1.056%
13	13.939	1856	1862	1871	rBV	768571	1129523	73.76%	5.739%
14	14.180	1897	1903	1907	rBV	48969	63016	4.12%	0.320%
15	14.251	1907	1915	1924	rVV2	857296	1293195	84.45%	6.571%
16	14.451	1944	1949	1958	rBV	31345	50769	3.32%	0.258%
17	14.798	2002	2008	2014	rBV2	12716	18433	1.20%	0.094%
18	15.133	2060	2065	2071	rVB	59033	71099	4.64%	0.361%
19	15.251	2078	2085	2092	rVB	963429	1360431	88.84%	6.912%
20	15.369	2099	2105	2113	rBV	227908	308688	20.16%	1.568%
21	15.545	2128	2135	2138	rVB	11626	21185	1.38%	0.108%
22	15.998	2207	2212	2215	rBV	46256	61973	4.05%	0.315%
23	16.786	2340	2346	2351	rBV	30435	38011	2.48%	0.193%
24	16.998	2376	2382	2389	rBV	1021090	1397487	91.26%	7.101%
25	17.098	2391	2399	2409	rBV	959377	1353684	88.40%	6.878%
26	17.915	2533	2538	2545	rBV	80736	112976	7.38%	0.574%
27	19.204	2753	2757	2765	rBV	24702	30936	2.02%	0.157%
28	19.398	2784	2790	2799	rVB	1144178	1493053	97.50%	7.586%
29	20.945	3048	3053	3063	rBV	98563	180399	11.78%	0.917%
30	21.204	3091	3097	3106	rBV	1232118	1524165	99.53%	7.744%
31	22.268	3276	3278	3283	rVB3	19854	21964	1.43%	0.112%
32	22.392	3296	3299	3304	rVB	59329	74257	4.85%	0.377%
33	22.768	3359	3363	3367	rVB	39316	48349	3.16%	0.246%
34	23.250	3438	3445	3453	rBV2	818562	1489910	97.29%	7.570%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000829.D
Acq On : 23 Apr 2018 15:28
Operator : JU/SJ
Sample : J2467-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW8

Integration Parameters: events.e
Integrator: ChemStation
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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_N\METHODS\SOM-EPA-BN041918-PAH.M
Title : ??? S

35	23.315	3453	3456	3461	rVV2	48513	76015	4.96%	0.386%
36	23.392	3462	3469	3478	rVB2	843271	1531338	100.00%	7.781%
37	23.945	3559	3563	3571	rVB	51254	88669	5.79%	0.451%

Sum of corrected areas: 19680905

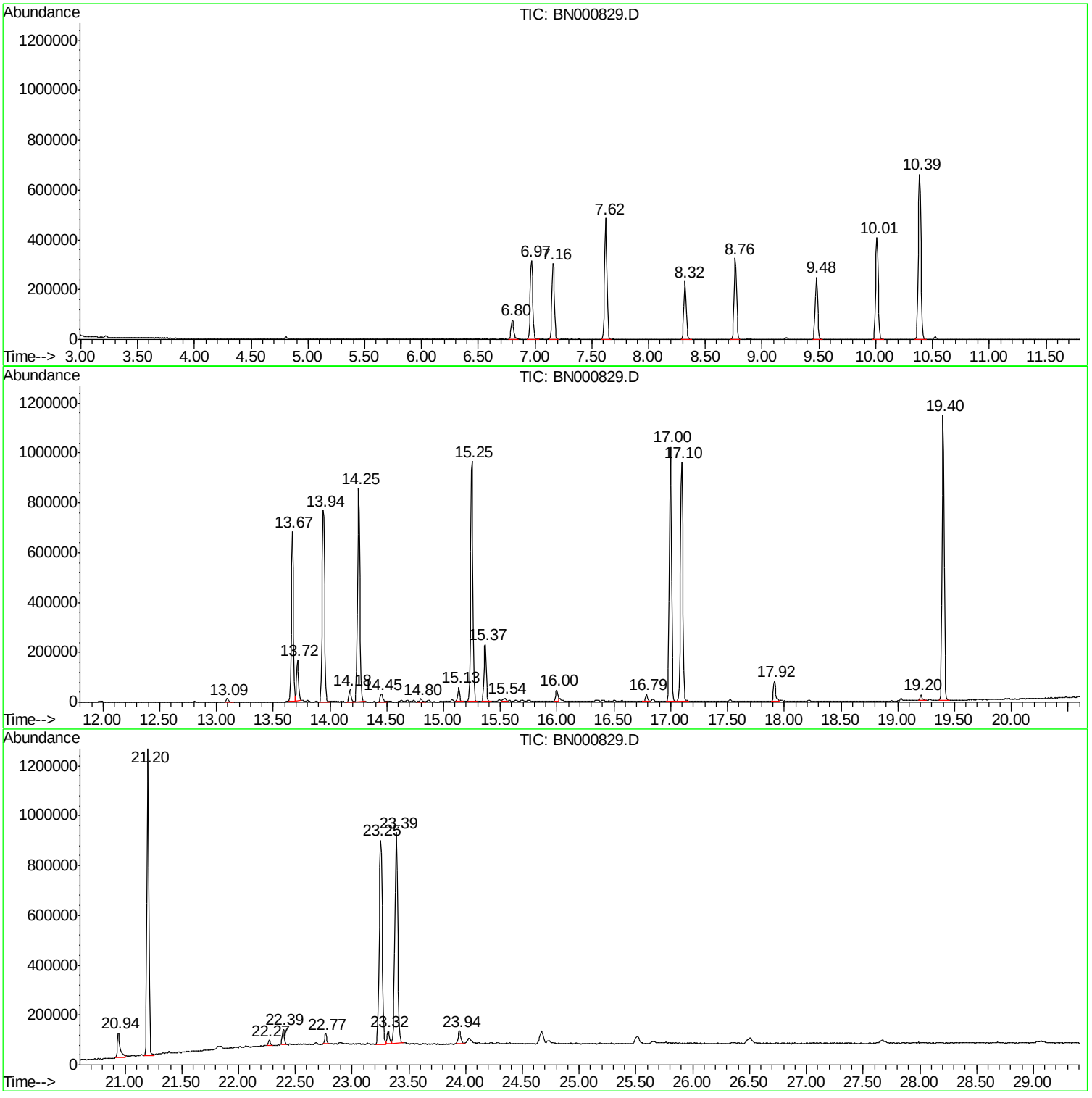
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000829.D
Acq On : 23 Apr 2018 15:28
Operator : JU/SJ
Sample : J2467-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW8

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041918-PAH.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000829.D
Acq On : 23 Apr 2018 15:28
Operator : JU/SJ
Sample : J2467-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW8

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041918-PAH.M
Quant Title : SVOA CALIBRATION

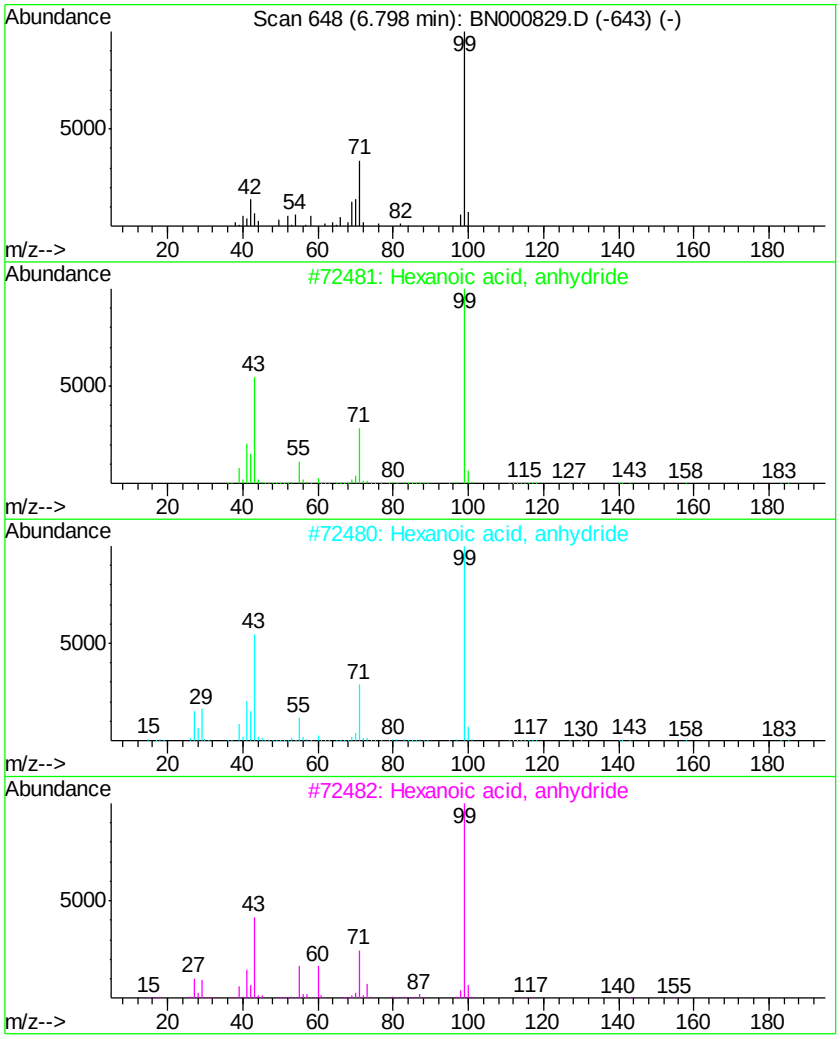
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

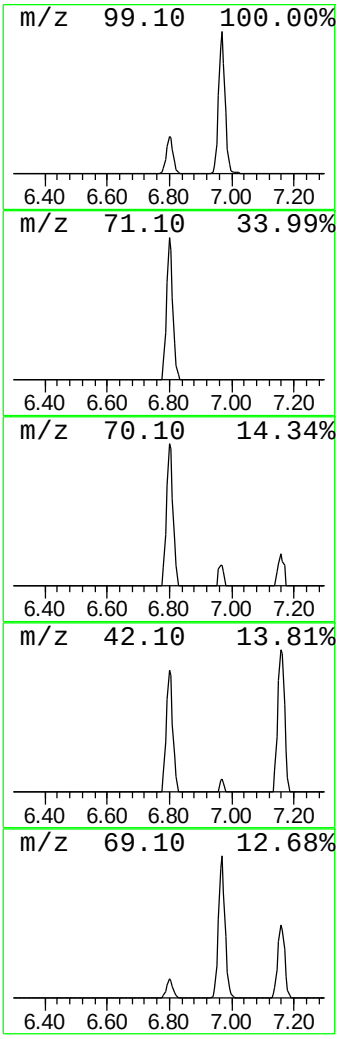
****

Peak Number 1 Hexanoic acid, anhydride Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	3.28 ng/ul	120031	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	50
2	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	50
3	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	50
4	p-Nitrophenyl hexanoate	237	C12H15NO4	000956-75-2	42
5	Piperazine, 1-(4-acetylphenylsul...	282	C13H18N2O3S	309271-25-8	40





Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000829.D
Acq On : 23 Apr 2018 15:28
Operator : JU/SJ
Sample : J2467-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW8

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041918-PAH.M
Quant Title : SVOA CALIBRATION

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

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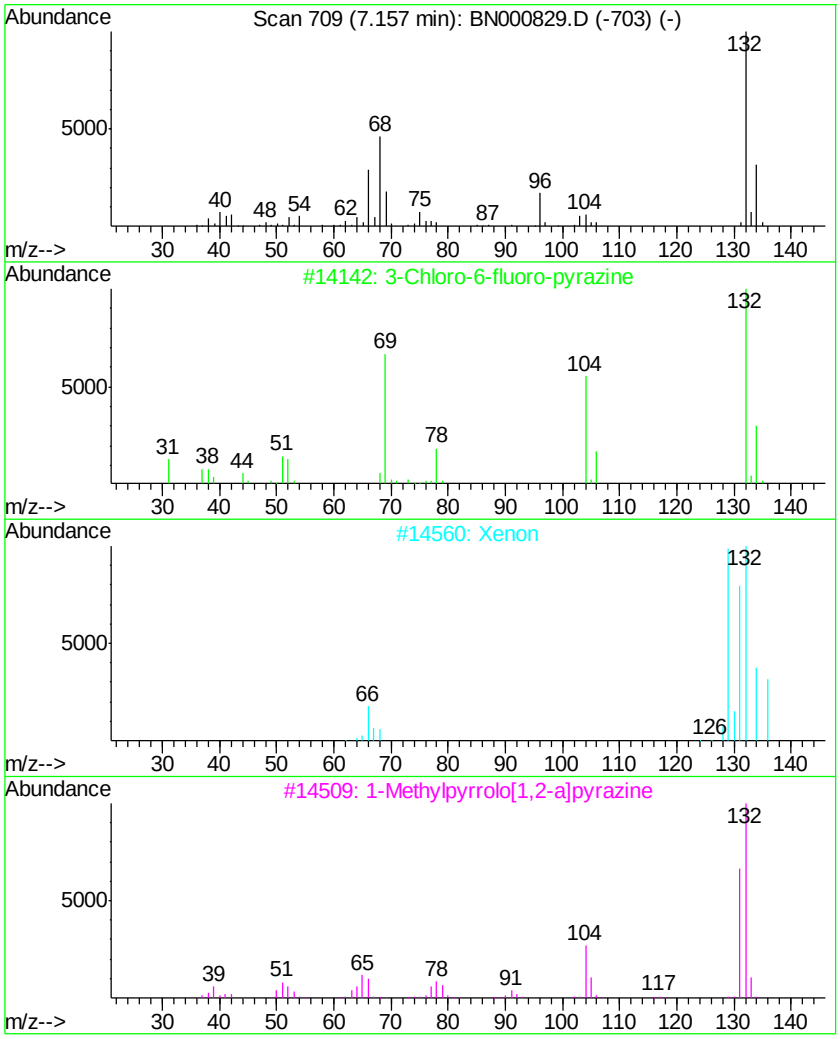
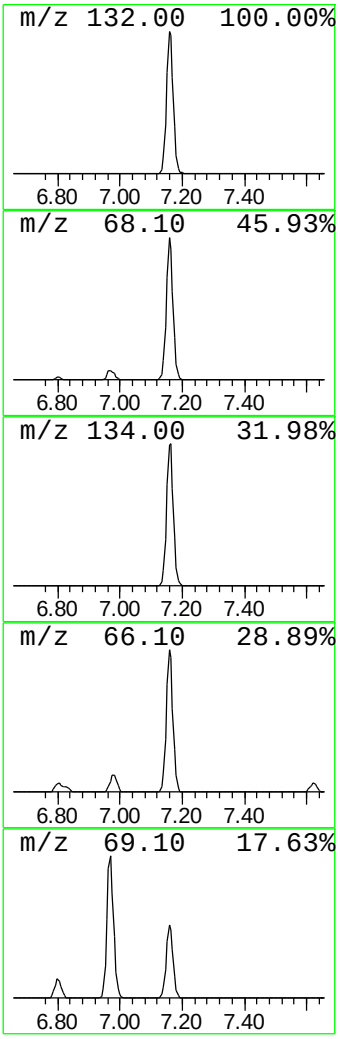
Peak Number 3 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	12.58 ng/ul	459944	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	Xenon	132	Xe	007440-63-3	9
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000829.D
Acq On : 23 Apr 2018 15:28
Operator : JU/SJ
Sample : J2467-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW8

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041918-PAH.M
Quant Title : SVOA CALIBRATION

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

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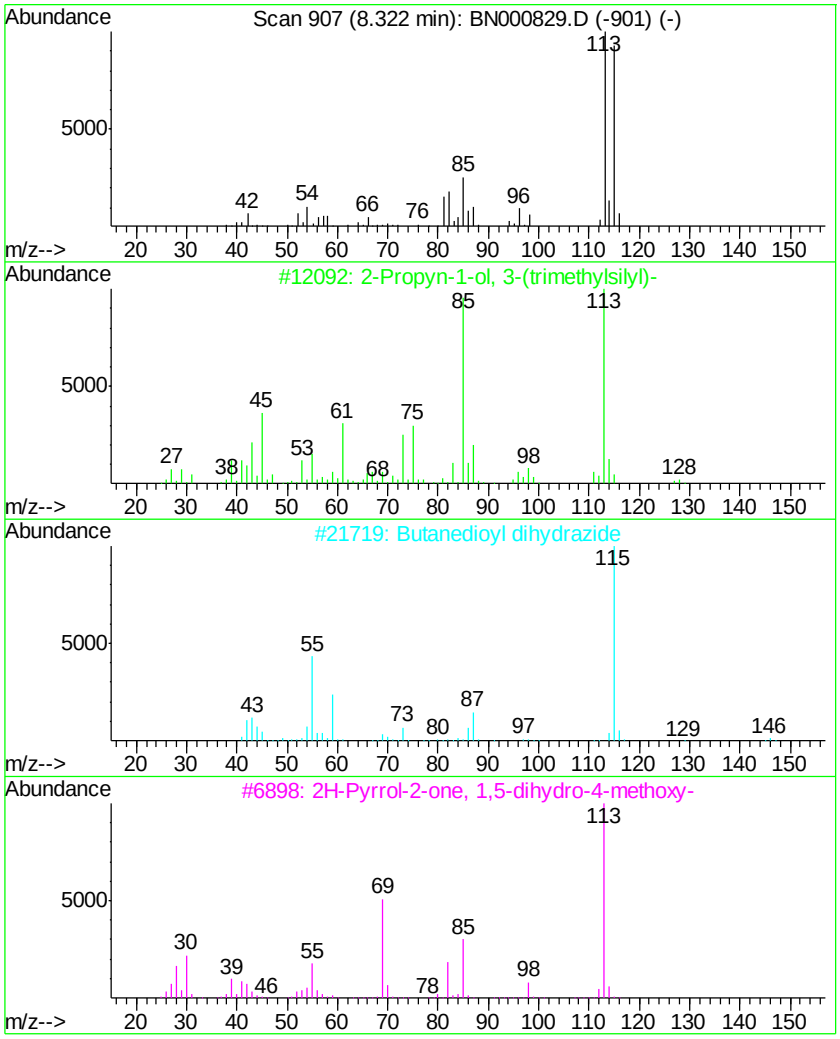
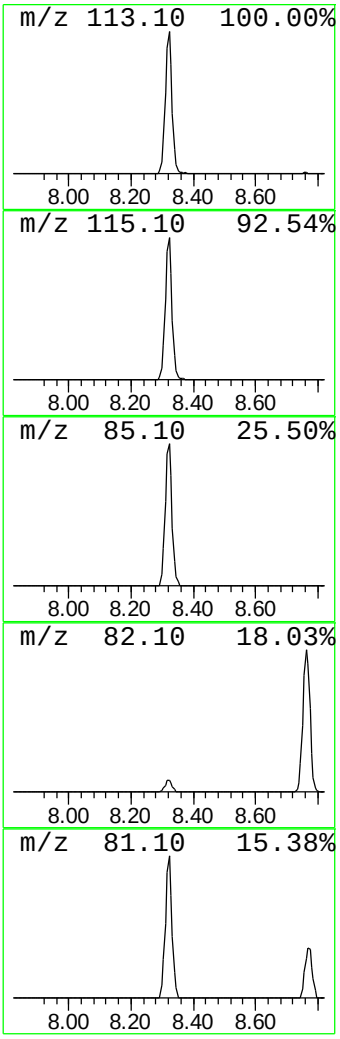
Peak Number 4 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.32	9.59 ng/ul	350601	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propyn-1-ol, 3-(trimethylsilyl)-	128	C6H12OSi	005272-36-6	43
2	Butanedioyl dihydrazide	146	C4H10N4O2	004146-43-4	35
3	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	32
4	Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	27
5	Furazan-3-amine, 4-methoxy-	115	C3H5N3O2	078350-48-8	25





Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000829.D
Acq On : 23 Apr 2018 15:28
Operator : JU/SJ
Sample : J2467-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW8

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041918-PAH.M
Quant Title : SVOA CALIBRATION

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

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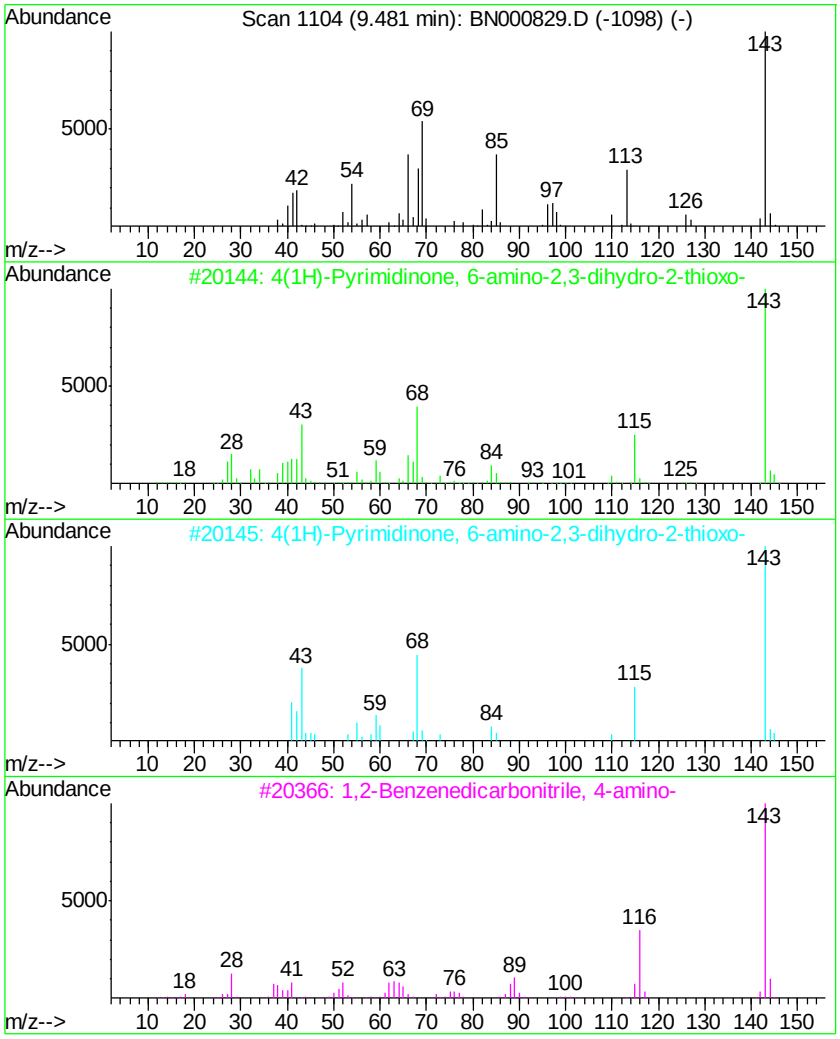
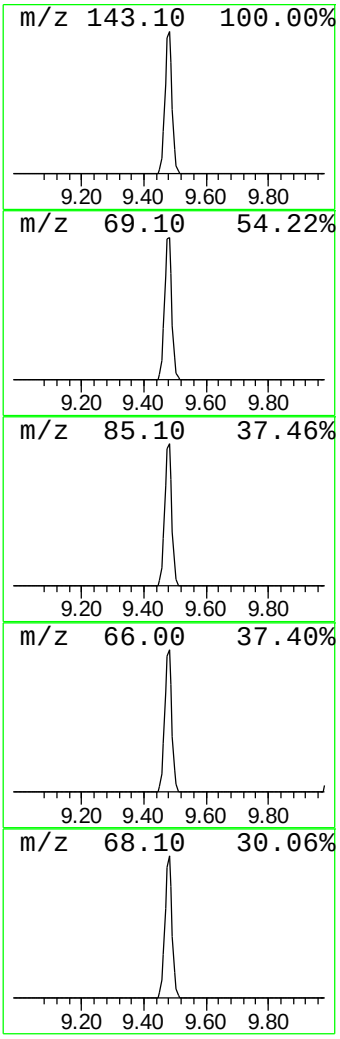
Peak Number 6 unknown-03 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	7.49 ng/ul	398438	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4(1H)-Pyrimidinone, 6-amino-2,3-...	143	C4H5N3OS	001004-40-6	17
2	4(1H)-Pyrimidinone, 6-amino-2,3-...	143	C4H5N3OS	001004-40-6	16
3	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	14
4	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-12-9	12
5	Glutaric acid, ethyl 3-heptyl ester	258	C14H26O4	1000359-73-0	12





Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000829.D
Acq On : 23 Apr 2018 15:28
Operator : JU/SJ
Sample : J2467-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW8

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041918-PAH.M
Quant Title : SVOA CALIBRATION

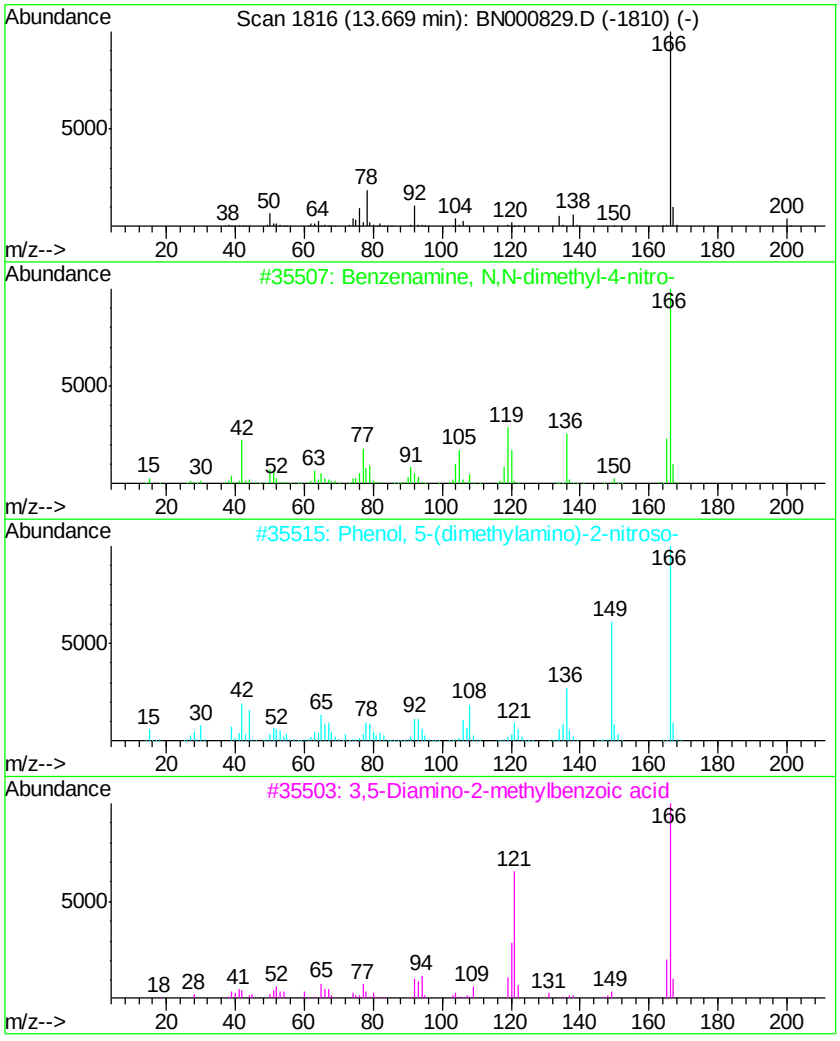
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

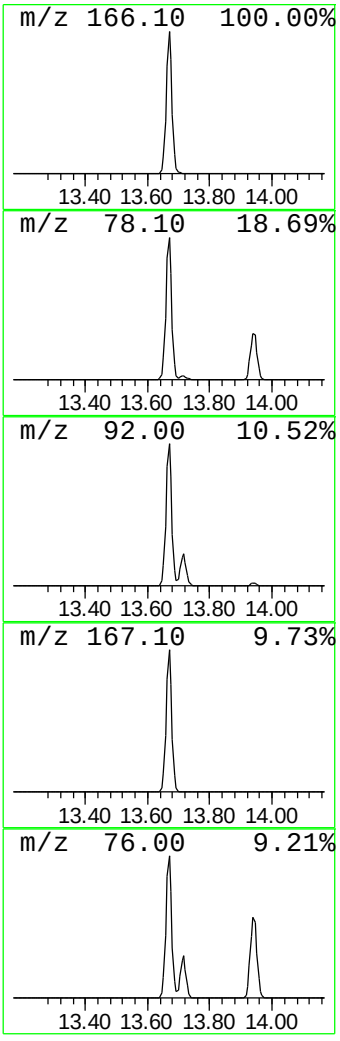
****

Peak Number 7 unknown-04 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	13.56 ng/ul	876802	Acenaphthene-d10	14.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, N,N-dimethyl-4-nitro-	166	C8H10N2O2	000100-23-2	38
2	Phenol, 5-(dimethylamino)-2-nitr...	166	C8H10N2O2	016761-04-9	36
3	3,5-Diamino-2-methylbenzoic acid	166	C8H10N2O2	090007-30-0	36
4	p-Anisamidoxime	166	C8H10N2O2	005373-87-5	9
5	Benzaldehyde, 2,5-dimethoxy-	166	C9H10O3	000093-02-7	9





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Operator : JU/SJ
Sample : J2467-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW8

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041918-PAH.M
Quant Title : SVOA CALIBRATION

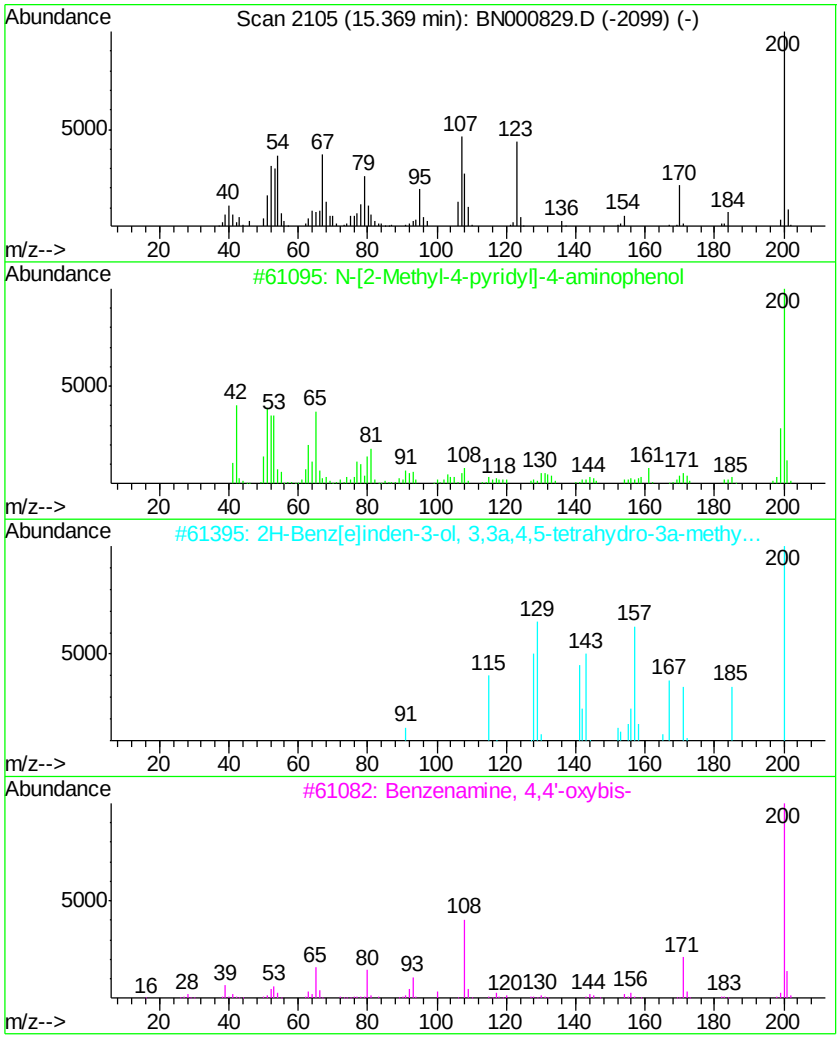
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

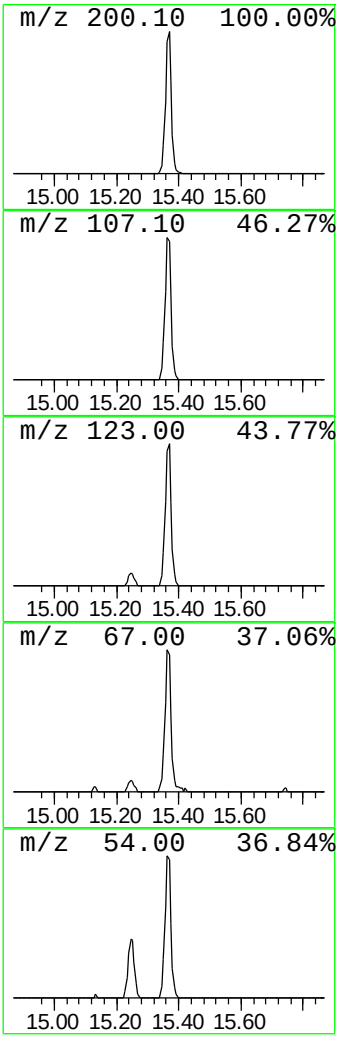
****

Peak Number 9 unknown-05 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	4.77 ng/ul	308688	Acenaphthene-d10	14.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-[2-Methyl-4-pyridyl]-4-aminoph...	200	C12H12N2O	1000252-23-9	43
2	2H-Benz[e]inden-3-ol, 3,3a,4,5-t...	200	C14H16O	071805-91-9	14
3	Benzenamine, 4,4'-oxybis-	200	C12H12N2O	000101-80-4	10
4	1,4-Benzenedicarbonitrile, 2,3,5...	200	C8F4N2	001835-49-0	10
5	Benzene, 1-methoxy-4-phenoxy-	200	C13H12O2	001655-69-2	9





Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
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Operator : JU/SJ
Sample : J2467-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW8

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041918-PAH.M
Quant Title : SVOA CALIBRATION

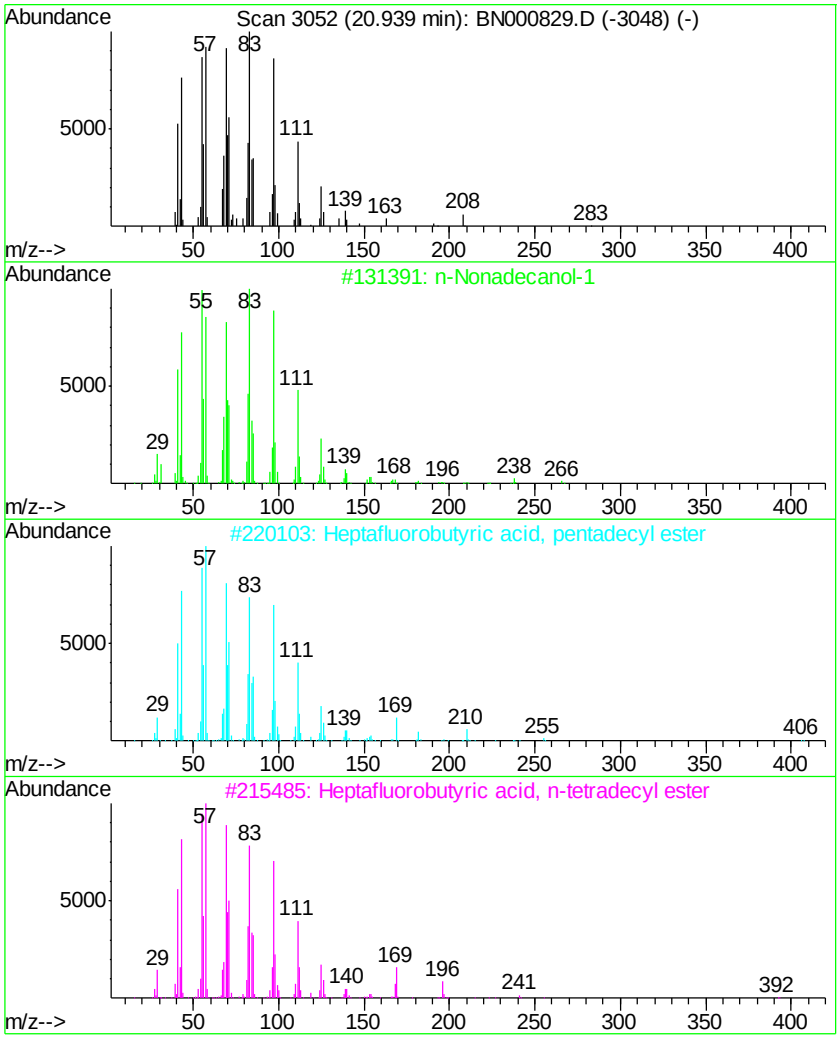
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

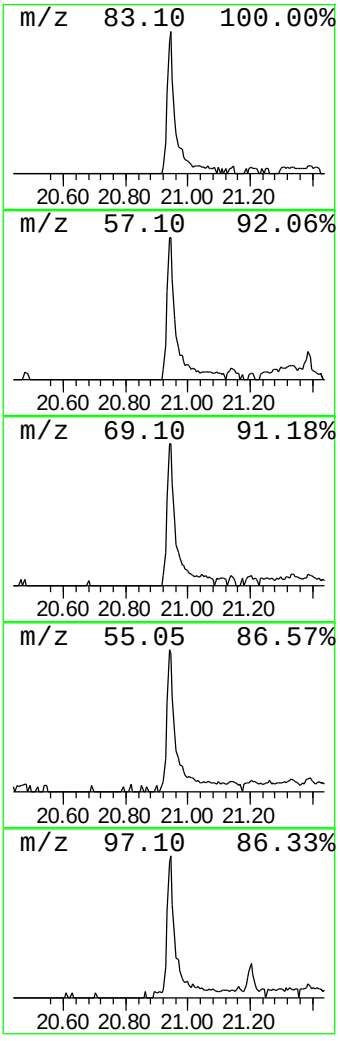
****

Peak Number 10 n-Nonadecanol-1 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	2.37 ng/ul	180399	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Nonadecanol-1	284	C19H40O	001454-84-8	95
2	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93
3	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	93
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	91
5	1-Heneicosanol	312	C21H44O	015594-90-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN042318\
Data File : BN000829.D
Acq On : 23 Apr 2018 15:28
Operator : JU/SJ
Sample : J2467-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW8

Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041918-PAH.M
Quant Title : SVOA 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
Hexanoic acid, an...	6.80	3.3	ng/ul	120031	1	7.62	731138	20.0
unknown-01	7.16	12.6	ng/ul	459944	1	7.62	731138	20.0
unknown-02	8.32	9.6	ng/ul	350601	1	7.62	731138	20.0
unknown-03	9.48	7.5	ng/ul	398438	2	10.39	1064130	20.0
unknown-04	13.67	13.6	ng/ul	876802	3	14.25	1293200	20.0
unknown-05	15.37	4.8	ng/ul	308688	3	14.25	1293200	20.0
n-Nonadecanol-1	20.94	2.4	ng/ul	180399	5	21.20	1524170	20.0