LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000822.D
Acq On : 23 Apr 2018 11:23
Operator : JU/SJ
Sample : PB108469BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SBLK69

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	3.217	35	39	47	rVB	42135	52076	1.96%	0.173%
2	6.799	641	648	658	rBV	619371	914942	34.48%	3.038%
3	6.969	670	677	688	rBV	526829	790581	29.79%	2.625%
4	7.158	701	709	716	rBV	628065	936050	35.27%	3.108%
5	7.622	782	788	795	rVB	459542	711554	26.81%	2.363%
6	8.322	900	907	915	rBV	762400	1185185	44.66%	3.935%
7	8.763	975	982	994	rBV	569268	870847	32.82%	2.892%
8	9.475	1096	1103	1111	rBV	435910	696747	26.26%	2.314%
9	10.010	1187	1194	1206	rBB	706311	1112832	41.93%	3.695%
10	10.387	1251	1258	1267	rVB	655162	1047790	39.48%	3.479%
11	10.522	1274	1281	1294	rBV	741874	1197124	45.11%	3.975%
12	13.669	1810	1816	1824	rBV	1199193	1610737	60.70%	5.348%
13	13.940	1855	1862	1875	rBV	1385559	2027360	76.40%	6.732%
14	14.251	1909	1915	1923	rBV2	875731	1281294	48.28%	4.254%
15	14.451	1943	1949	1961	rBV	467025	637150	24.01%	2.116%
16	15.251	2078	2085	2091	rBV	1680548	2391359	90.11%	7.940%
17	15.363	2099	2104	2114	rBV	472302	610055	22.99%	2.026%
18	16.998	2376	2382	2389	rBV2	999999	1371072	51.67%	4.553%
19	17.098	2392	2399	2413	rVV2	1785680	2454262	92.48%	8.149%
20	19.398	2784	2790	2802	rBV	1957580	2653714	100.00%	8.812%
21	21.204	3092	3097	3105	rBV	1166117	1407323	53.03%	4.673%
22	23.257	3439	3446	3453	rBV2	1461618	2595870	97.82%	8.619%
23	23.322	3454	3457	3461	rVV	40692	58258	2.20%	0.193%
24	23.392	3462	3469	3482	rVB	805674	1442183	54.35%	4.789%
25	23.951	3560	3564	3569	rVB2	36640	60074	2.26%	0.199%

Sum of corrected areas: 30116439

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000822.D
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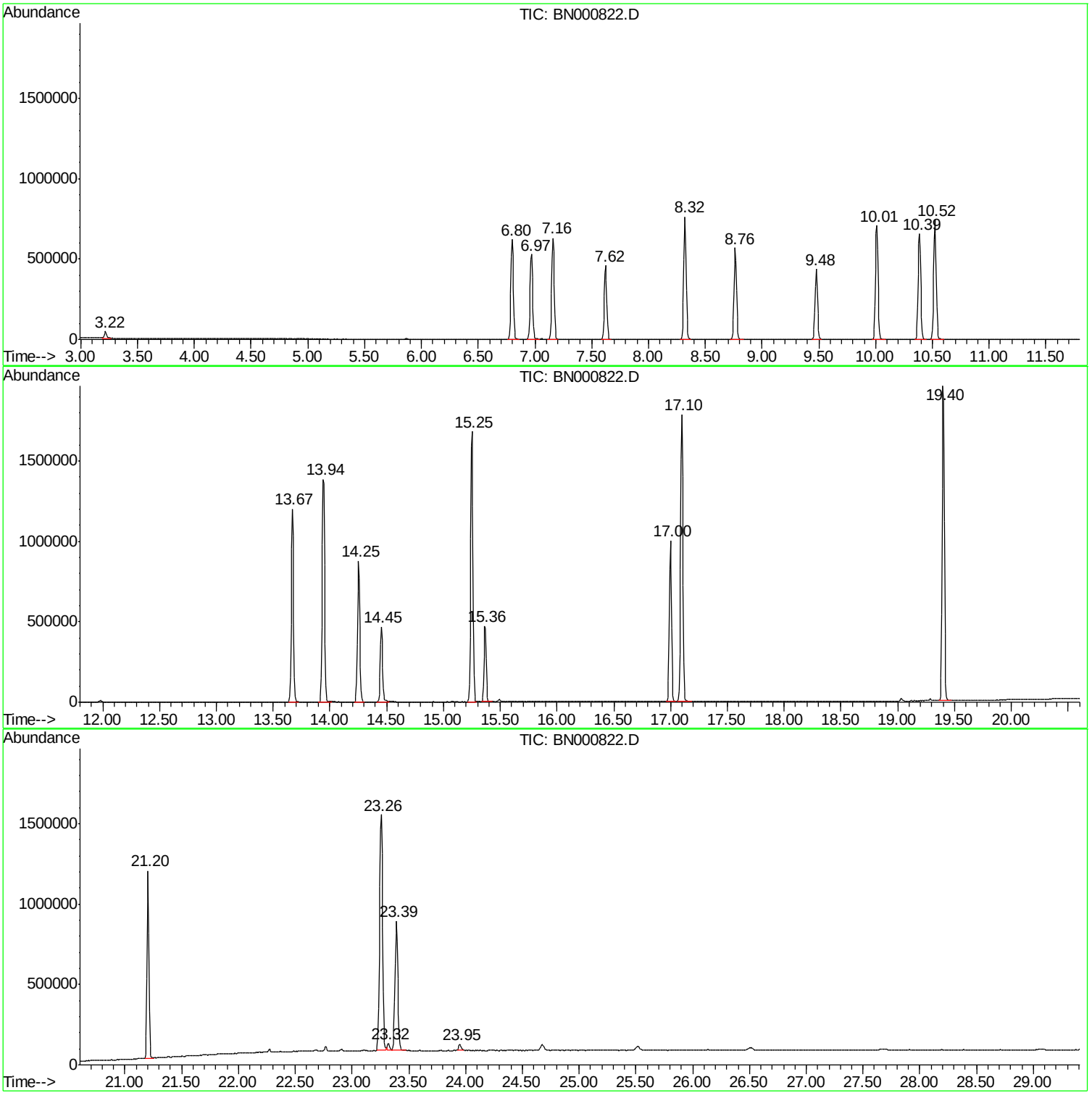
Operator : JU/SJ
Sample : PB108469BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SBLK69

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 : BN000822.D
Acq On : 23 Apr 2018 11:23
Operator : JU/SJ
Sample : PB108469BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SBLK69

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

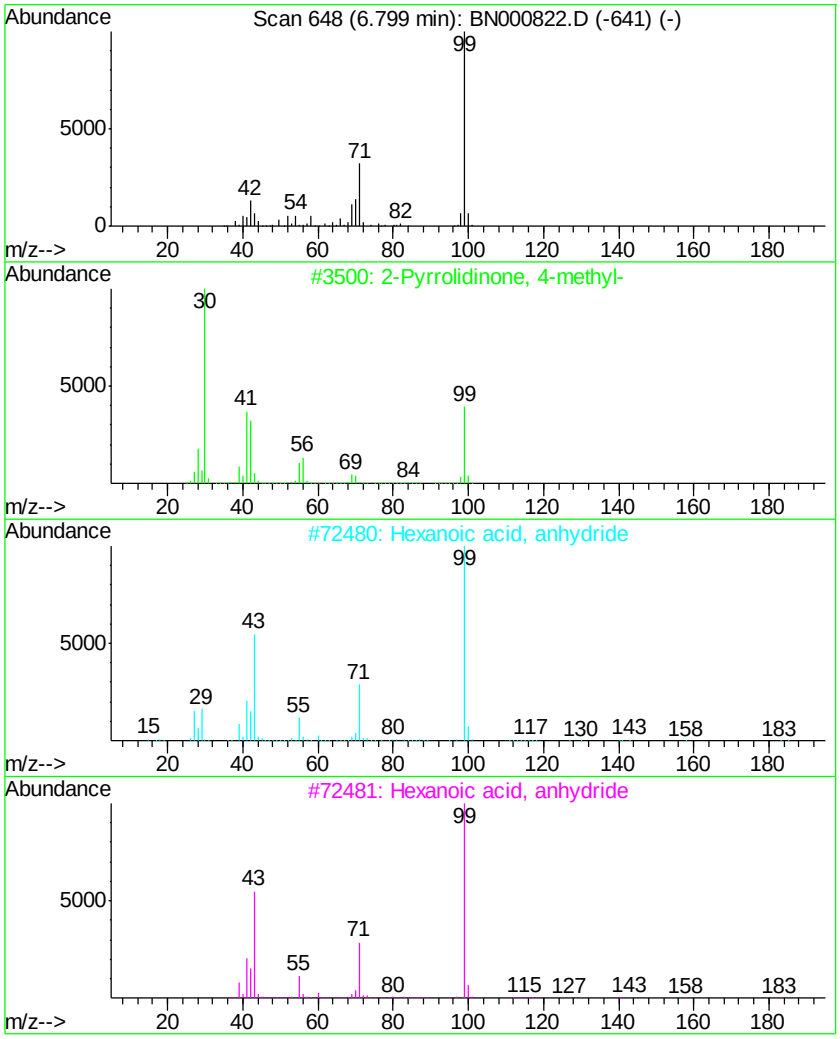
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

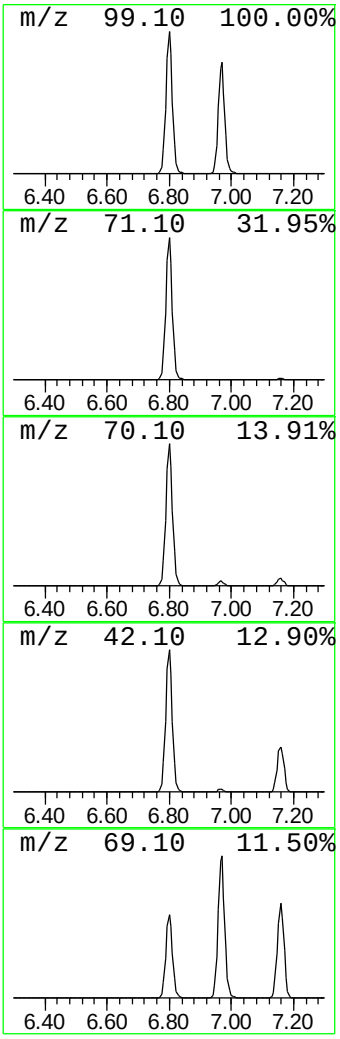
****

Peak Number 1 2-Pyrrolidinone, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	25.72 ng/ul	914942	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone, 4-methyl-	99	C5H9NO	1000197-00-3	53
2	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	50
3	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	50
4	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	50
5	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	45





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000822.D
Acq On : 23 Apr 2018 11:23
Operator : JU/SJ
Sample : PB108469BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SBLK69

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

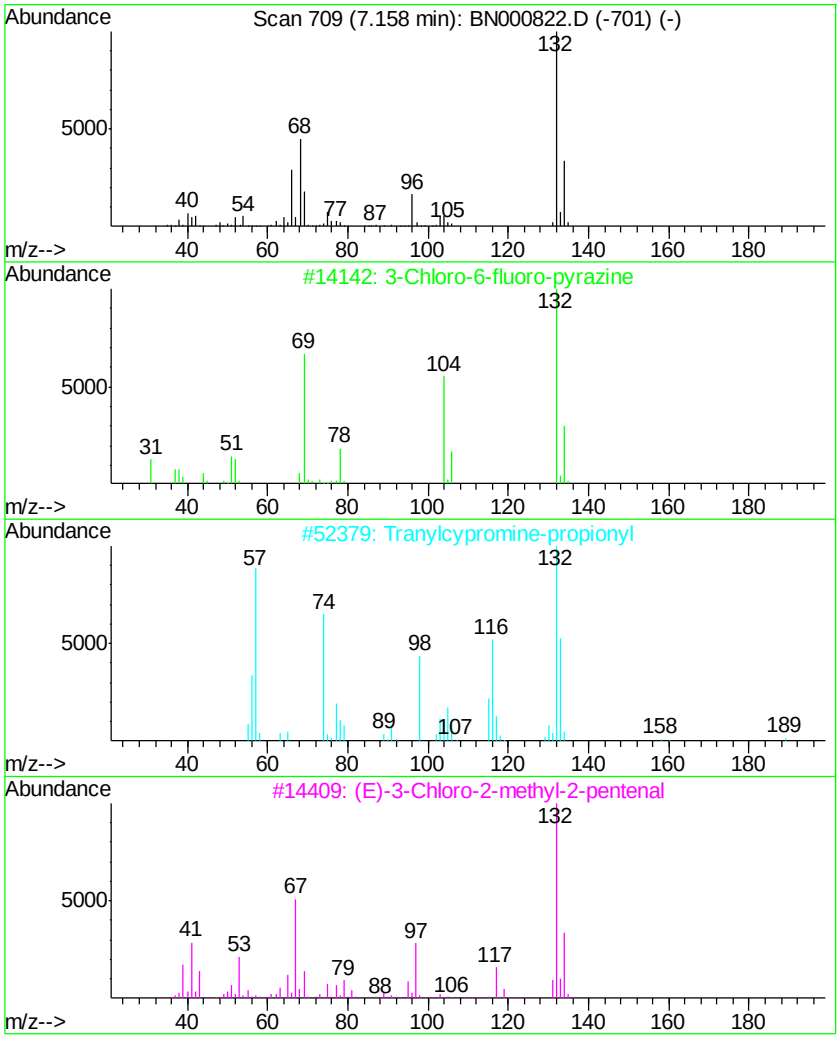
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

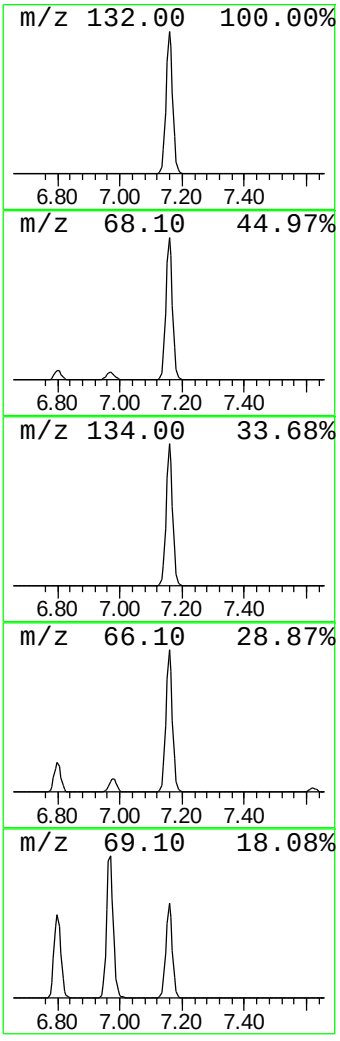
****

Peak Number 3 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	26.31 ng/ul	936050	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	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9





Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000822.D
Acq On : 23 Apr 2018 11:23
Operator : JU/SJ
Sample : PB108469BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SBLK69

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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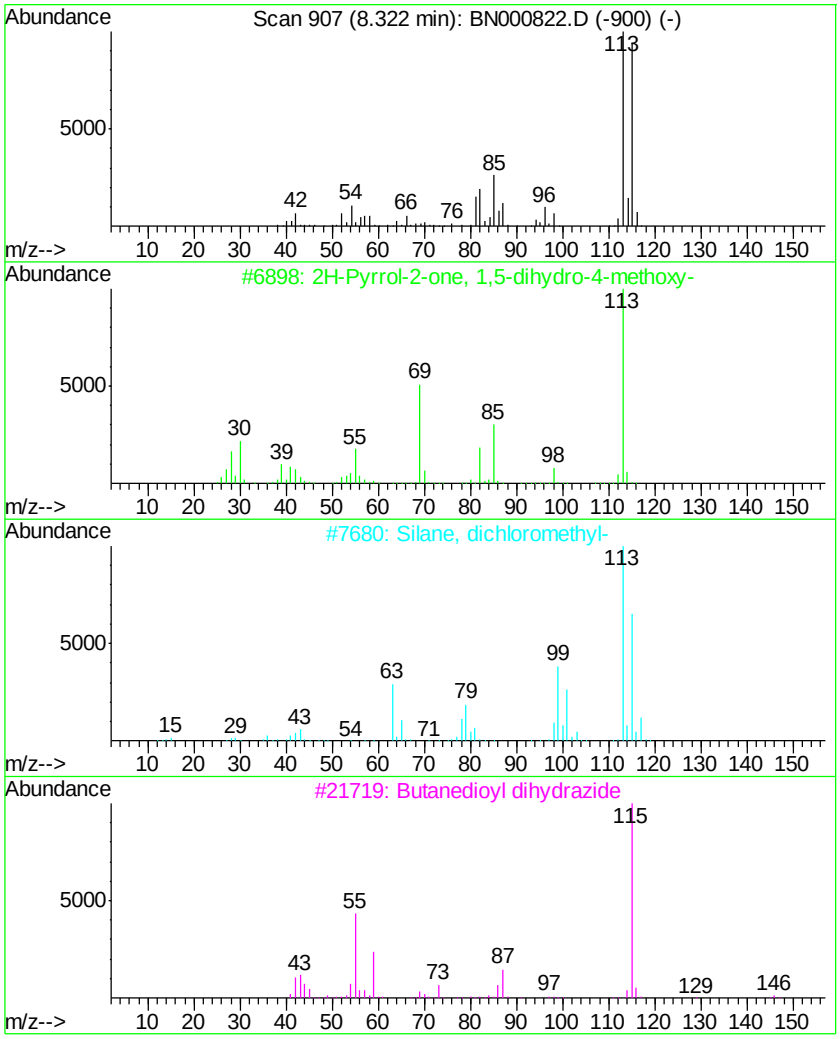
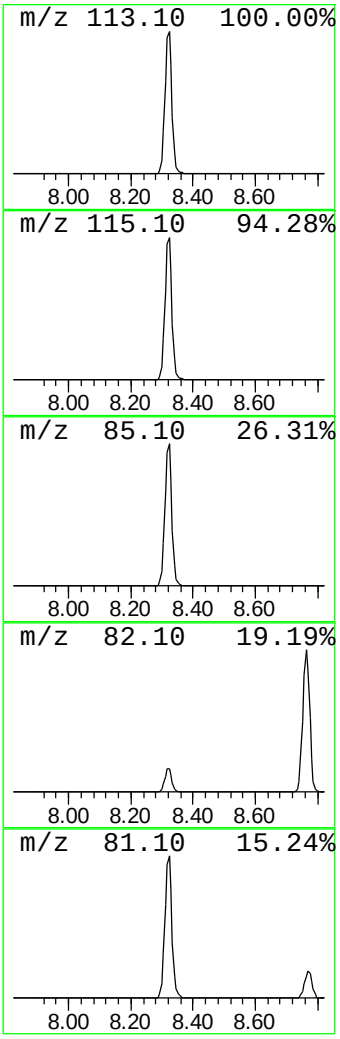
Peak Number 4 unknown-02 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.32	33.31 ng/ul	1185190	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	37
2	Silane, dichloromethyl-	114	CH4Cl2Si	000075-54-7	36
3	Butanedioyl dihydrazide	146	C4H10N4O2	004146-43-4	27
4	Thiazole, 2,5-dimethyl-	113	C5H7NS	004175-66-0	25
5	2(3H)-Oxazolethione, 4-methyl-	115	C4H5NOS	013016-17-6	22





Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000822.D
Acq On : 23 Apr 2018 11:23
Operator : JU/SJ
Sample : PB108469BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SBLK69

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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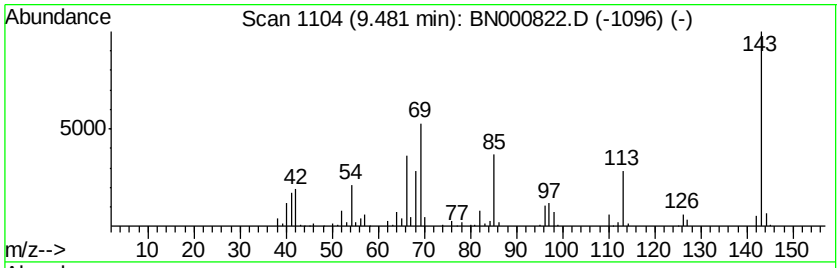
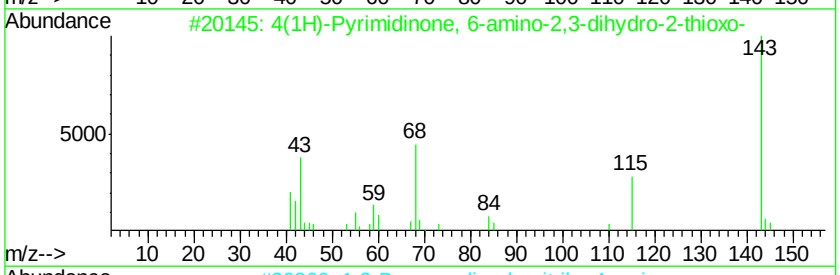
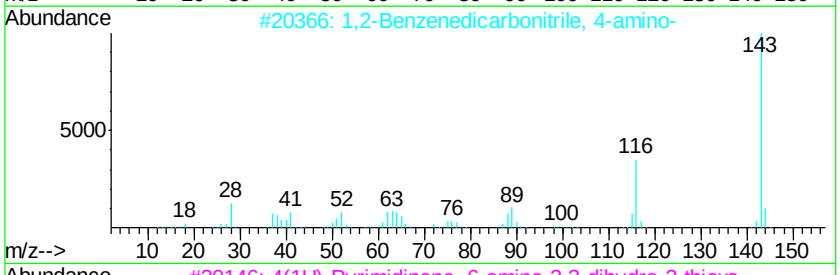
Peak Number 6 unknown-03 Concentration Rank 8

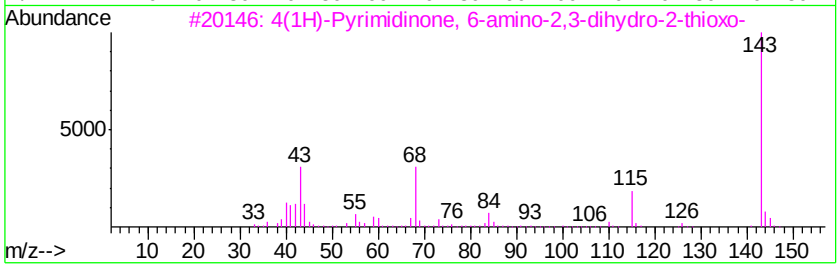
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	13.30 ng/ul	696747	Naphthalene-d8	10.39

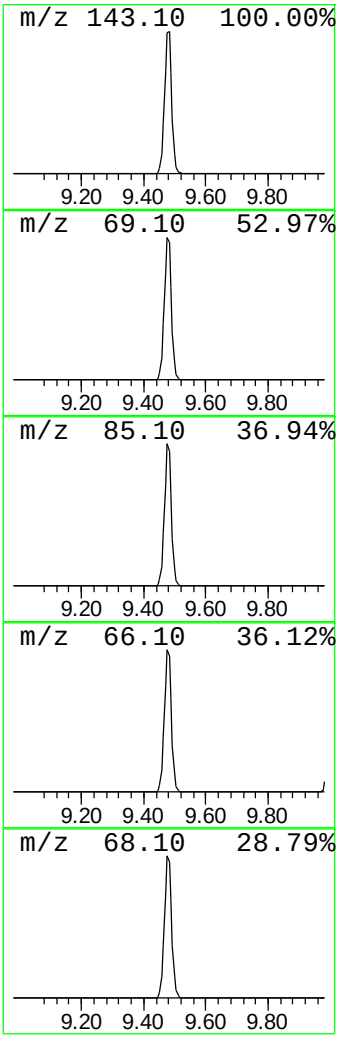
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4(1H)-Pyrimidinone, 6-amino-2,3-...	143	C4H5N3OS	001004-40-6	14
2	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	10
3	4(1H)-Pyrimidinone, 6-amino-2,3-...	143	C4H5N3OS	001004-40-6	10
4	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-13-0	10
5	Phenol, 3-amino-2-chloro-	143	C6H6ClNO	056962-01-7	9











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Sample : PB108469BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SBLK69

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

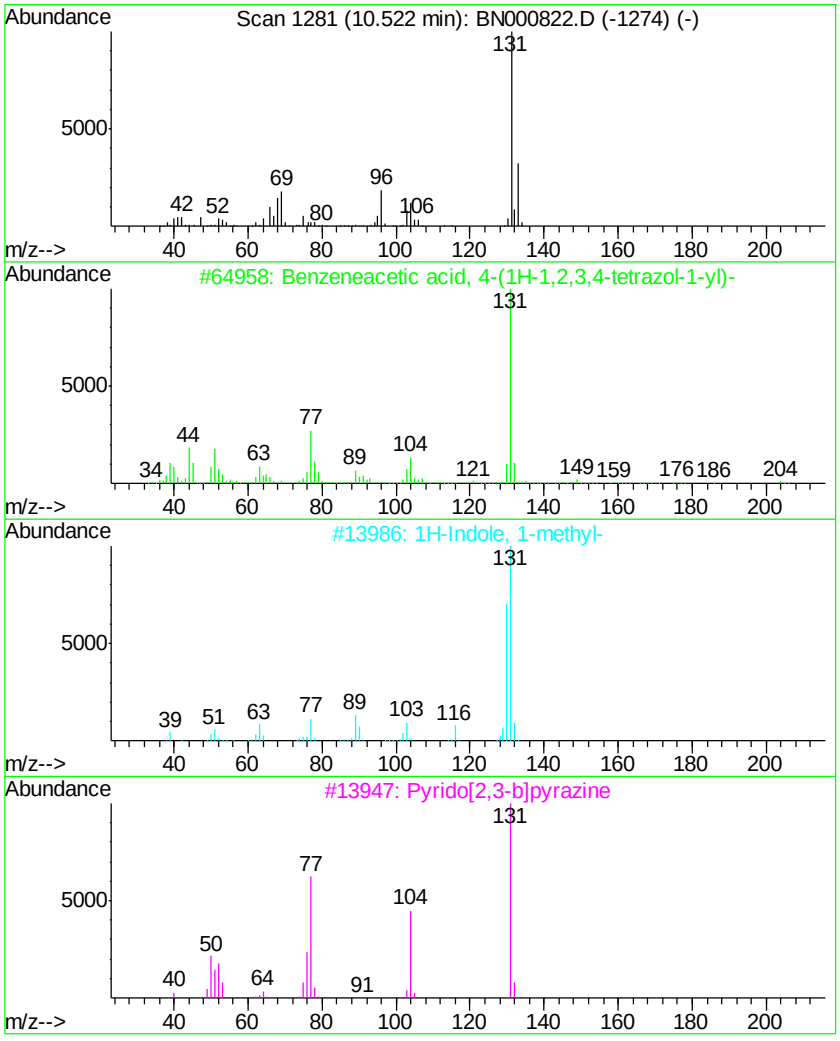
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

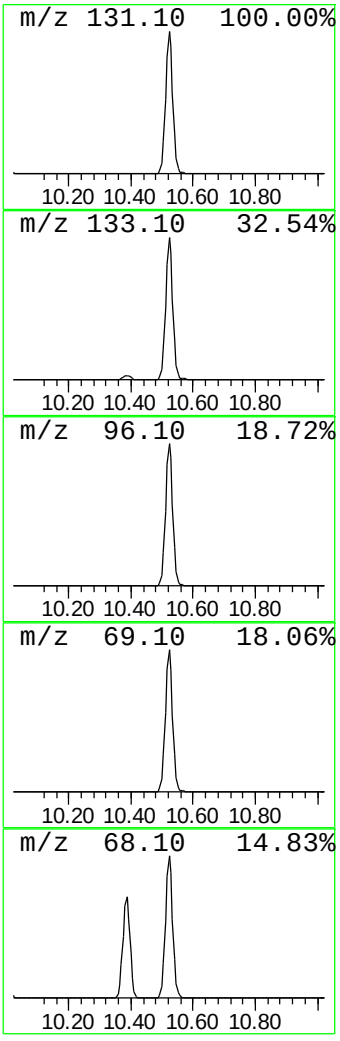
****

Peak Number 7 unknown-04 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	22.85 ng/ul	1197120	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid, 4-(1H-1,2,3,...	204	C9H8N4O2	1000351-56-5	33
2	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	28
3	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	25
4	4-Pyrimidinamine, 2,6-difluoro-	131	C4H3F2N3	000675-12-7	9
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	9





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Sample : PB108469BL
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Instrument : BNA_N
ClientSampleId : SBLK69

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

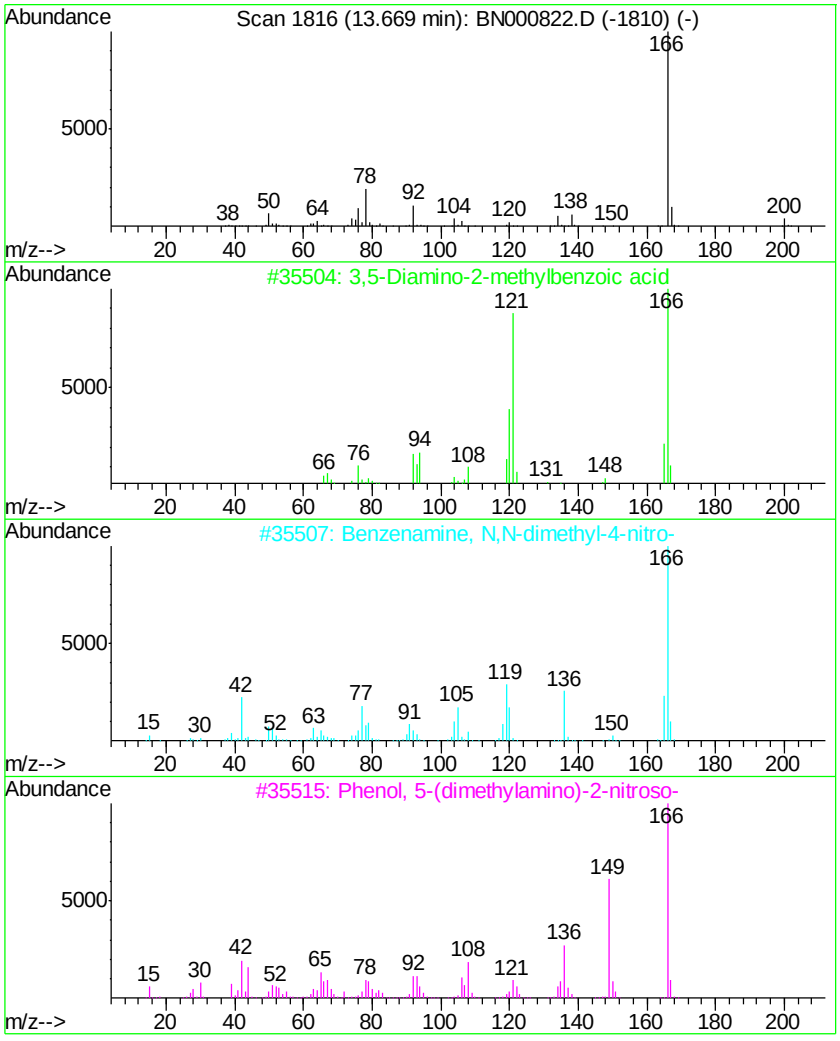
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

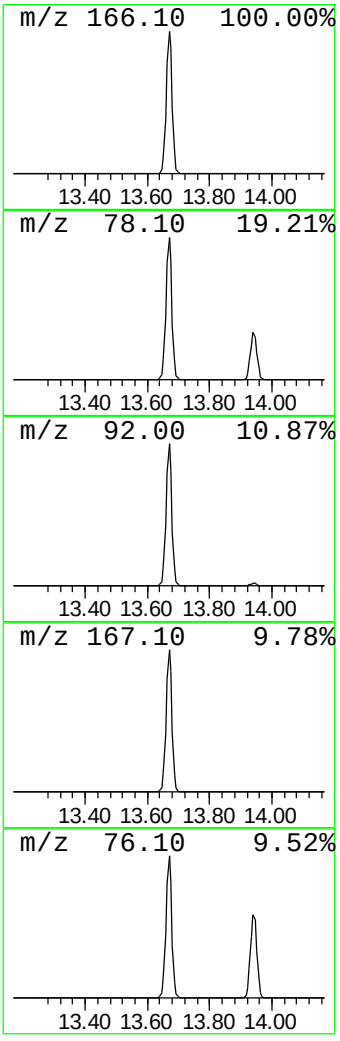
****

Peak Number 8 3,5-Diamino-2-methylbenzoic... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	25.14 ng/ul	1610740	Acenaphthene-d10	14.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Diamino-2-methylbenzoic acid	166	C8H10N2O2	090007-30-0	58
2	Benzenamine, N,N-dimethyl-4-nitro-	166	C8H10N2O2	000100-23-2	36
3	Phenol, 5-(dimethylamino)-2-nitr...	166	C8H10N2O2	016761-04-9	33
4	3,5-Diamino-2-methylbenzoic acid	166	C8H10N2O2	090007-30-0	33
5	1,3-Benzodioxole-5-carboxylic acid	166	C8H6O4	000094-53-1	9





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Operator : JU/SJ
Sample : PB108469BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SBLK69

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

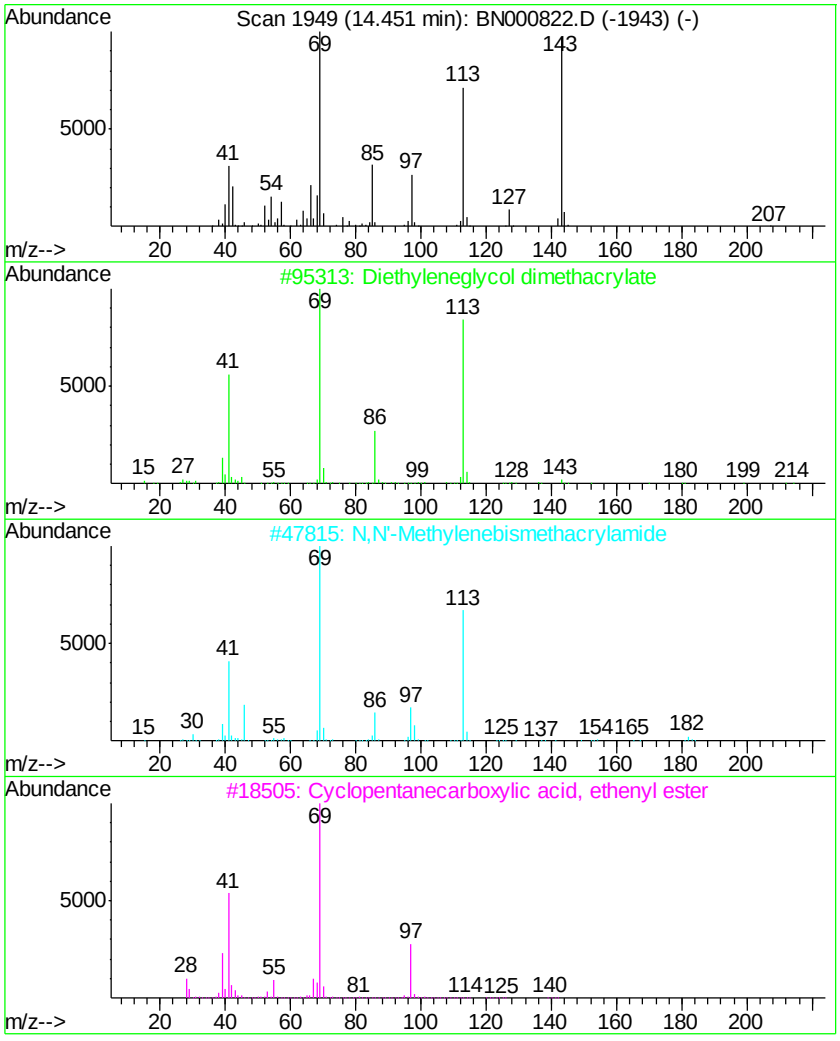
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

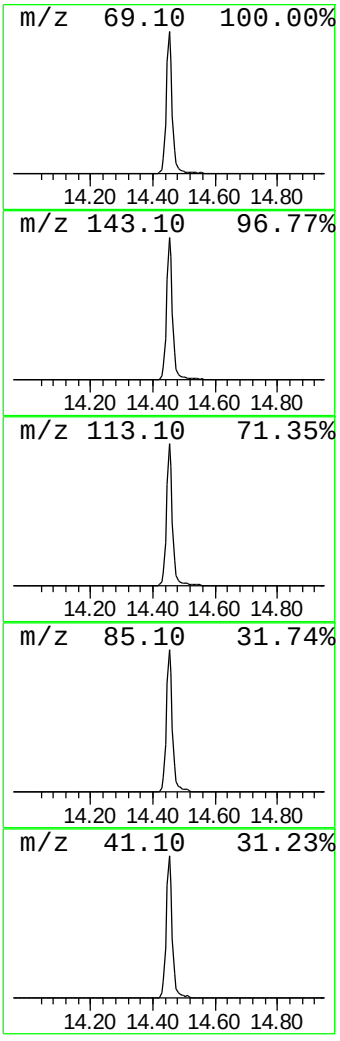
****

Peak Number 9 unknown-05 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.45	9.95 ng/ul	637150	Acenaphthene-d10	14.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyleneglycol dimethacrylate	242	C12H18O5	002358-84-1	22
2	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	16
3	Cyclopentanecarboxylic acid, eth...	140	C8H12O2	016523-06-1	14
4	Glutaric acid, ethyl 4-methylhep...	272	C15H28O4	1000377-14-9	14
5	Glutaric acid, 3,3-dimethylbut-2...	244	C13H24O4	1000359-74-7	12





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ALS Vial : 3 Sample Multiplier: 1

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

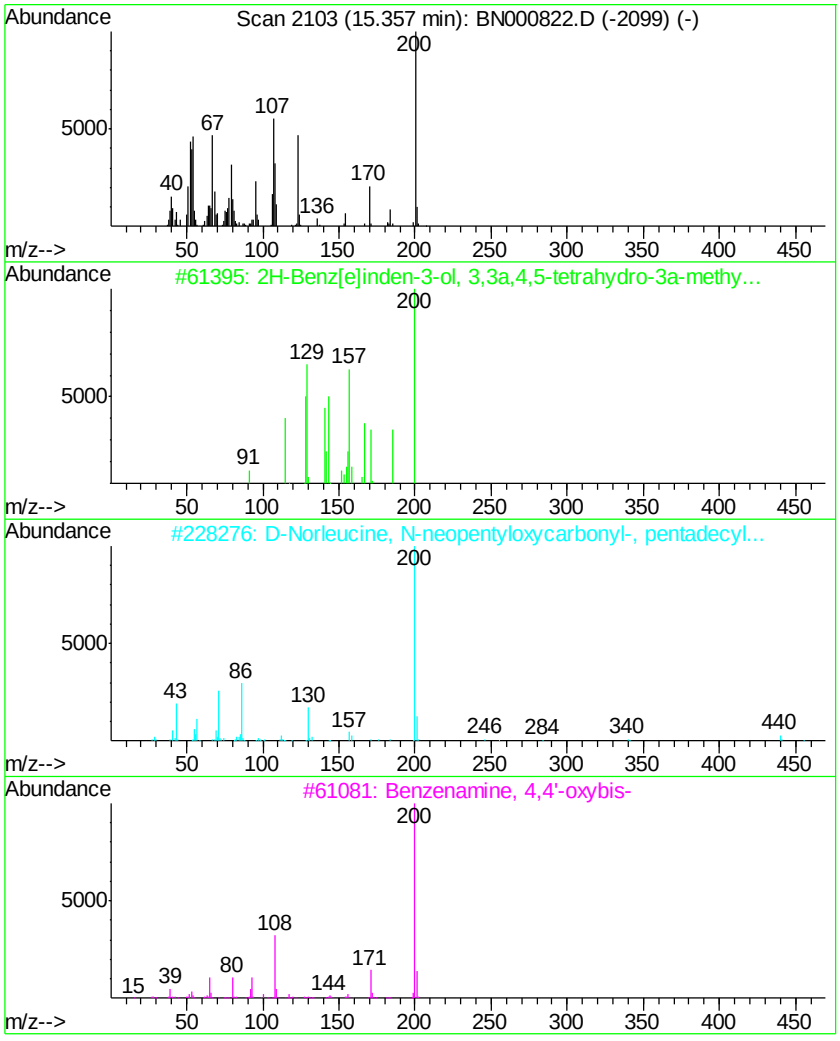
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

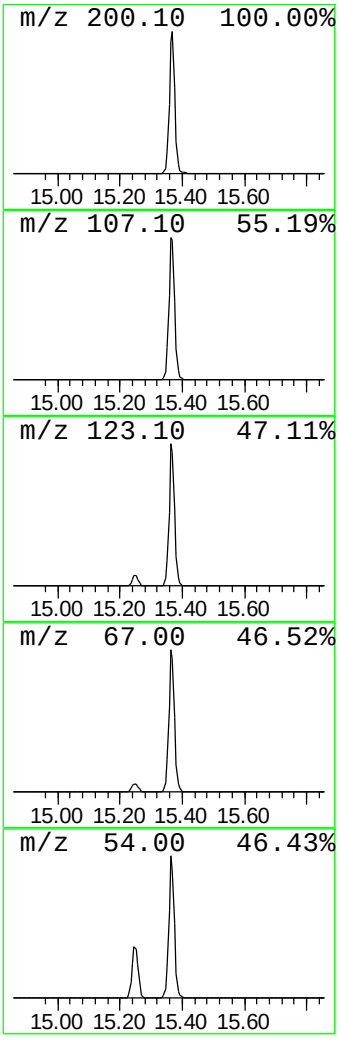
****

Peak Number 10 unknown-06 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	9.52 ng/ul	610055	Acenaphthene-d10	14.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Benz[e]inden-3-ol, 3,3a,4,5-t...	200	C14H16O	071805-91-9	22
2	D-Norleucine, N-neopentyloxycarb...	455	C27H53NO4	1000344-14-0	10
3	Benzenamine, 4,4'-oxybis-	200	C12H12N2O	000101-80-4	10
4	Benzene, 1-methoxy-3-phenoxy-	200	C13H12O2	001655-68-1	10
5	1,4-Benzenedicarbonitrile, 2,3,5...	200	C8F4N2	001835-49-0	10





Tentatively Identified Compound (LSC) summary

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Data File : BN000822.D
Acq On : 23 Apr 2018 11:23
Operator : JU/SJ
Sample : PB108469BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SBLK69

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
2-Pyrrolidinone, ...	6.80	25.7	ng/ul	914942	1	7.62	711554	20.0
unknown-01	7.16	26.3	ng/ul	936050	1	7.62	711554	20.0
unknown-02	8.32	33.3	ng/ul	1185190	1	7.62	711554	20.0
unknown-03	9.48	13.3	ng/ul	696747	2	10.39	1047790	20.0
unknown-04	10.52	22.9	ng/ul	1197120	2	10.39	1047790	20.0
3,5-Diamino-2-met...	13.67	25.1	ng/ul	1610740	3	14.25	1281290	20.0
unknown-05	14.45	9.9	ng/ul	637150	3	14.25	1281290	20.0
unknown-06	15.36	9.5	ng/ul	610055	3	14.25	1281290	20.0