LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000828.D
Acq On : 23 Apr 2018 14:54
Operator : JU/SJ
Sample : J2467-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW7

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	642	648	658	rVB	79725	122163	8.04%	0.620%
2	6.969	670	677	686	rBV	325713	481222	31.67%	2.442%
3	7.157	703	709	718	rVB	302544	465165	30.61%	2.361%
4	7.622	782	788	795	rVB	507692	761696	50.13%	3.866%
5	8.322	899	907	917	rBV	243190	360213	23.71%	1.828%
6	8.763	975	982	993	rBV	337119	523551	34.46%	2.657%
7	9.481	1098	1104	1111	rBV	256481	408188	26.86%	2.072%
8	10.010	1187	1194	1206	rVB	409195	639349	42.08%	3.245%
9	10.387	1251	1258	1269	rVB	706480	1113182	73.26%	5.649%
10	13.669	1810	1816	1820	rBV	673848	889784	58.56%	4.516%
11	13.716	1820	1824	1829	rVB	155727	200668	13.21%	1.018%
12	13.939	1856	1862	1872	rBV	805525	1147317	75.51%	5.823%
13	14.175	1897	1902	1908	rVB	44451	54471	3.58%	0.276%
14	14.251	1909	1915	1923	rVV2	875738	1335196	87.88%	6.776%
15	14.451	1944	1949	1957	rBV	28567	45860	3.02%	0.233%
16	14.798	2004	2008	2014	rBV2	11003	15377	1.01%	0.078%
17	15.133	2060	2065	2070	rVB	48814	58585	3.86%	0.297%
18	15.251	2078	2085	2092	rVB	956267	1366893	89.96%	6.937%
19	15.363	2099	2104	2111	rBV	228244	307131	20.21%	1.559%
20	15.992	2206	2211	2215	rBV	37880	52710	3.47%	0.268%
21	16.786	2341	2346	2350	rBV	23340	29905	1.97%	0.152%
22	16.998	2376	2382	2391	rBV	1054485	1408029	92.67%	7.146%
23	17.098	2391	2399	2413	rVB	993229	1342066	88.33%	6.811%
24	17.916	2531	2538	2548	rBV	62113	87206	5.74%	0.443%
25	19.204	2753	2757	2766	rBV4	20870	27096	1.78%	0.138%
26	19.398	2784	2790	2797	rBV	1091519	1448475	95.33%	7.351%
27	20.945	3048	3053	3066	rBV	71256	146357	9.63%	0.743%
28	21.204	3091	3097	3103	rBV	1195501	1479840	97.40%	7.510%
29	22.268	3275	3278	3282	rVB2	31020	35593	2.34%	0.181%
30	22.762	3359	3362	3369	rVB	51589	69882	4.60%	0.355%
31	23.251	3438	3445	3452	rBV2	824638	1411388	92.89%	7.163%
32	23.315	3452	3456	3461	rVV	73181	113855	7.49%	0.578%
33	23.386	3462	3468	3483	rVB2	824452	1519419	100.00%	7.711%
34	23.945	3558	3563	3572	rBV	70907	120189	7.91%	0.610%

LSC Area Percent Report

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Misc :
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Instrument : BNA_N
ClientSampleId : A3XW7

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	24.668	3682	3686	3693	rVB	65657	116231	7.65%	0.590%

Sum of corrected areas: 19704252

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
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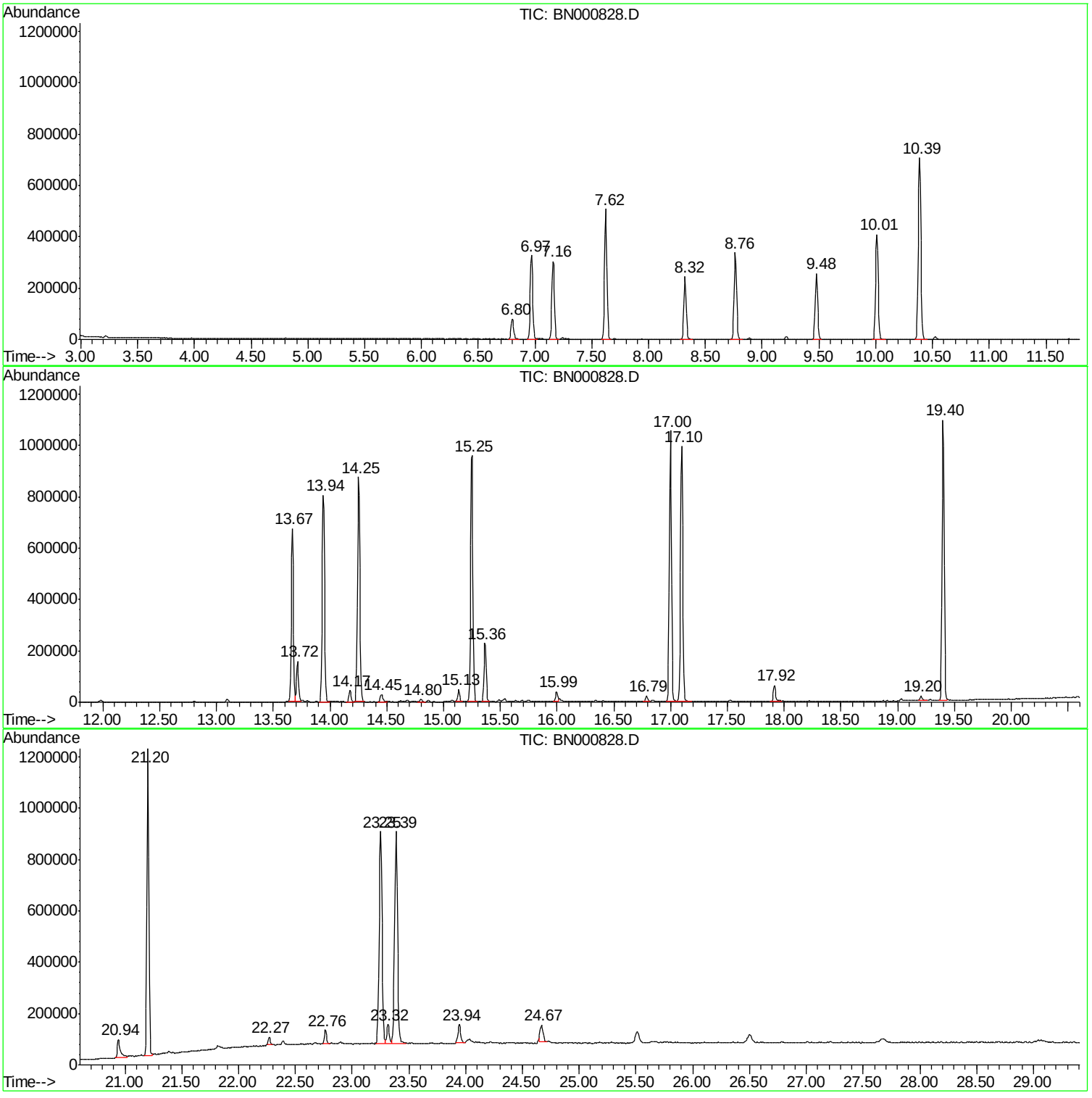
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW7

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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Acq On : 23 Apr 2018 14:54
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Quant Title : SVOA CALIBRATION

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

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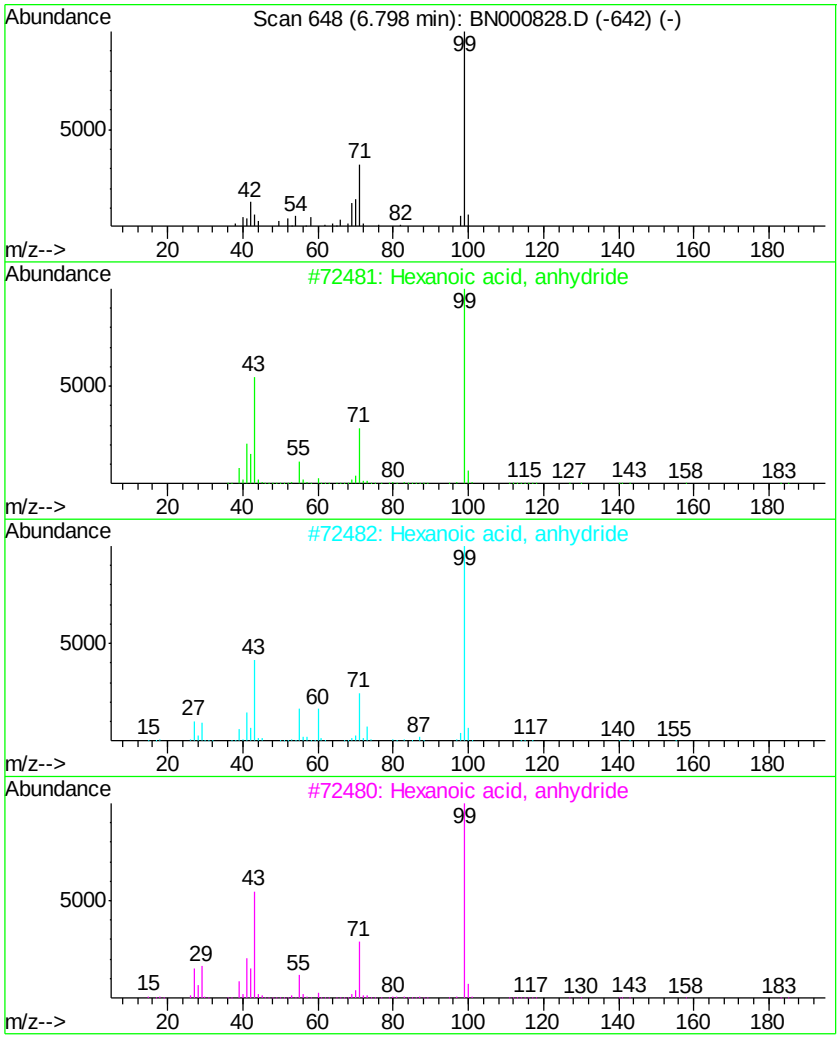
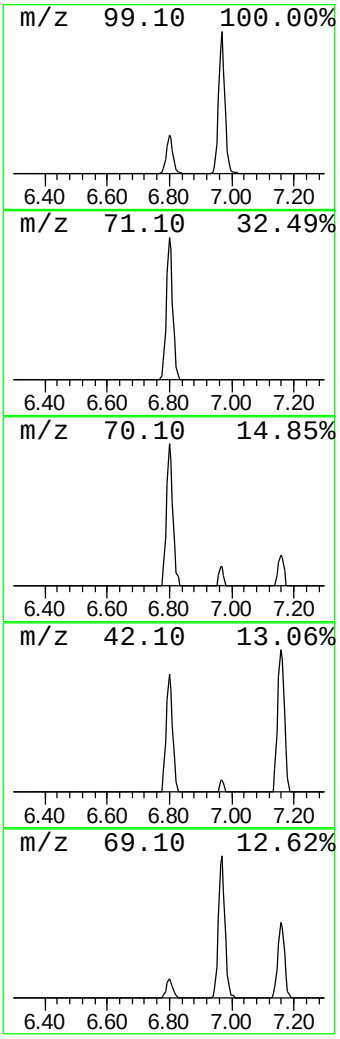
Peak Number 1 Hexanoic acid, anhydride Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	3.21 ng/ul	122163	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	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	45
5	p-Nitrophenyl hexanoate	237	C12H15NO4	000956-75-2	42





Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000828.D
Acq On : 23 Apr 2018 14:54
Operator : JU/SJ
Sample : J2467-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW7

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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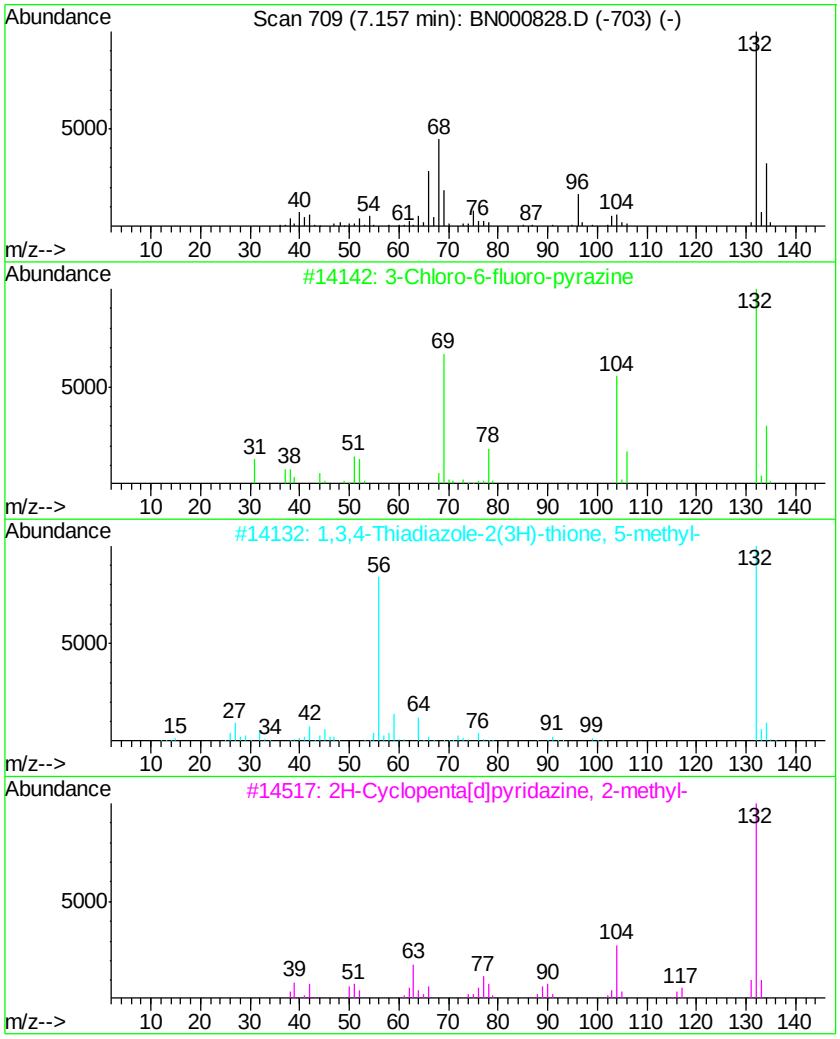
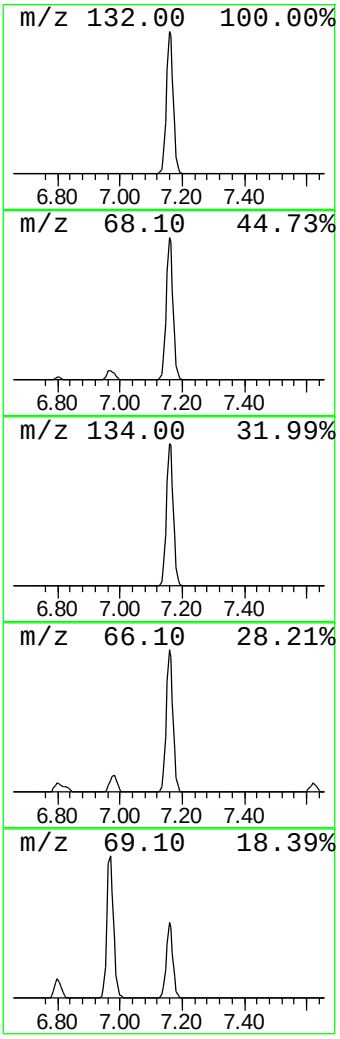
Peak Number 3 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	12.21 ng/ul	465165	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	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000828.D
Acq On : 23 Apr 2018 14:54
Operator : JU/SJ
Sample : J2467-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW7

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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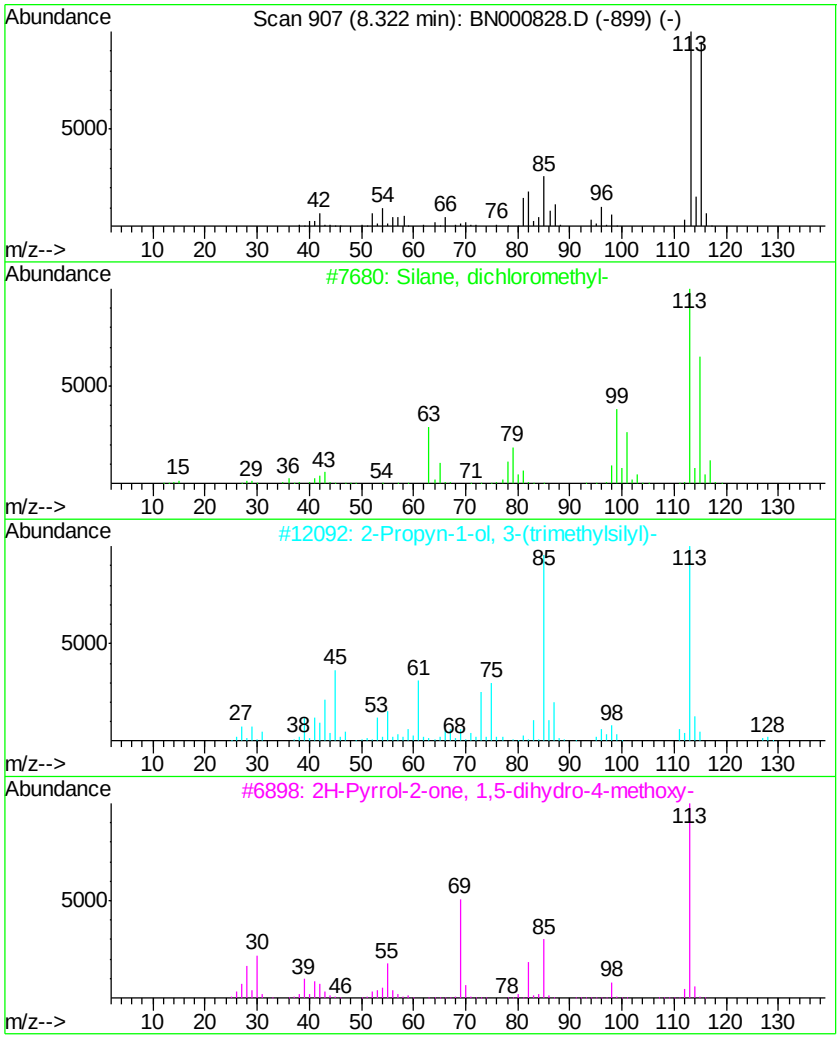
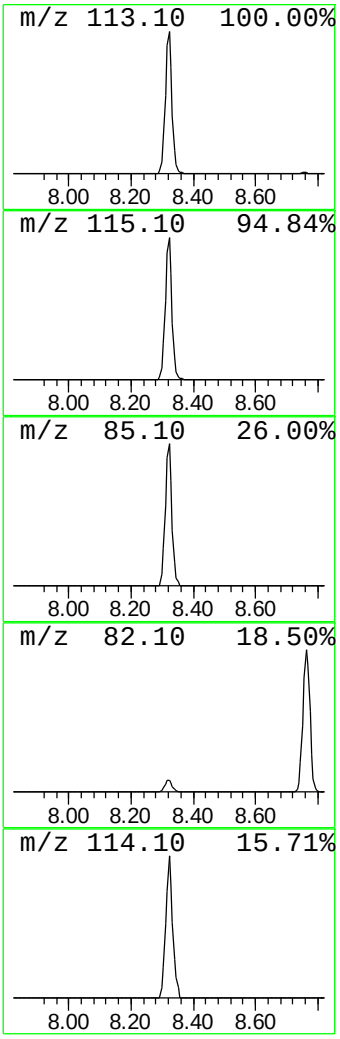
Peak Number 4 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.32	9.46 ng/ul	360213	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, dichloromethyl-	114	CH4Cl2Si	000075-54-7	38
2	2-Propyn-1-ol, 3-(trimethylsilyl)-	128	C6H12OSi	005272-36-6	37
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	Thiazole, 2,5-dimethyl-	113	C5H7NS	004175-66-0	25





Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000828.D
Acq On : 23 Apr 2018 14:54
Operator : JU/SJ
Sample : J2467-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW7

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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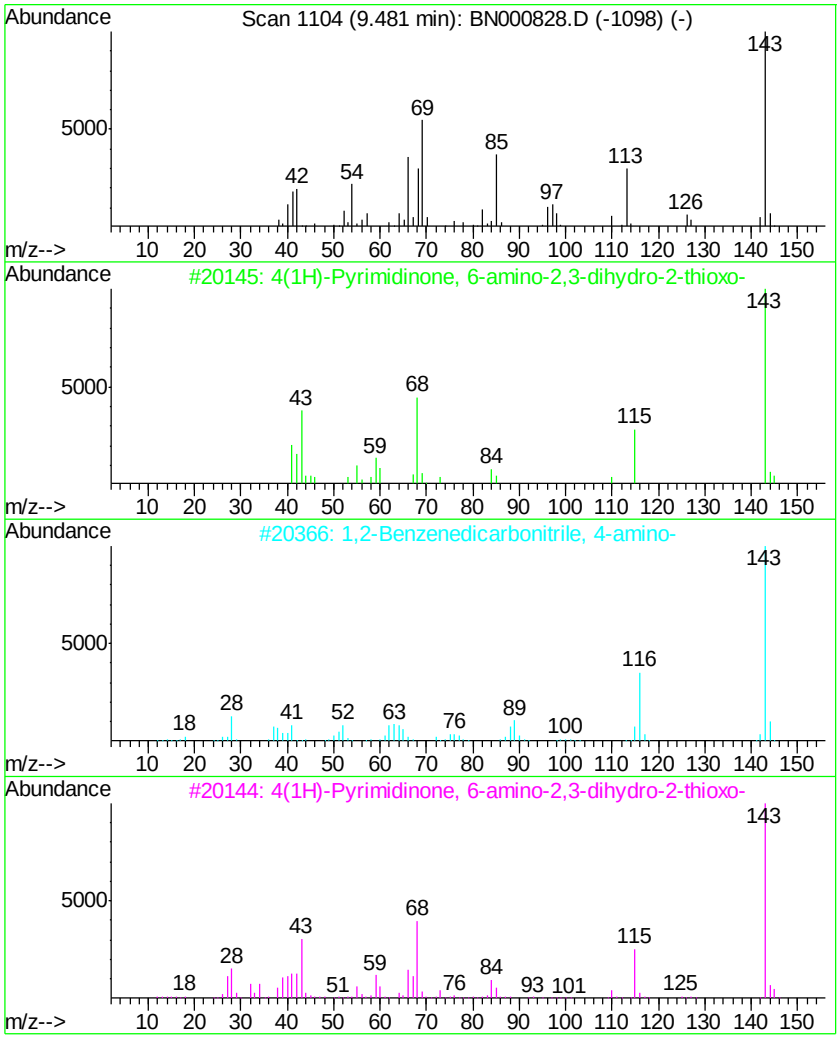
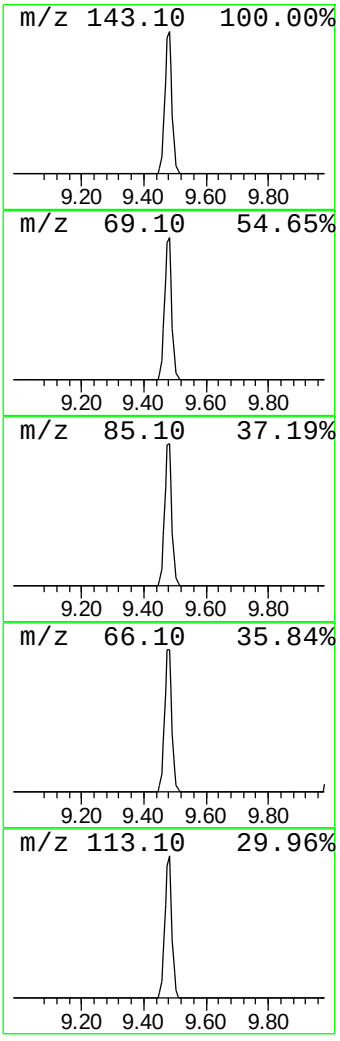
Peak Number 6 unknown-03 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	7.33 ng/ul	408188	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	25
2	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	14
3	4(1H)-Pyrimidinone, 6-amino-2,3-...	143	C4H5N3OS	001004-40-6	12
4	4(1H)-Pyrimidinone, 6-amino-2,3-...	143	C4H5N3OS	001004-40-6	12
5	3-Aminophthalonitrile	143	C8H5N3	058632-96-5	10





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Sample : J2467-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW7

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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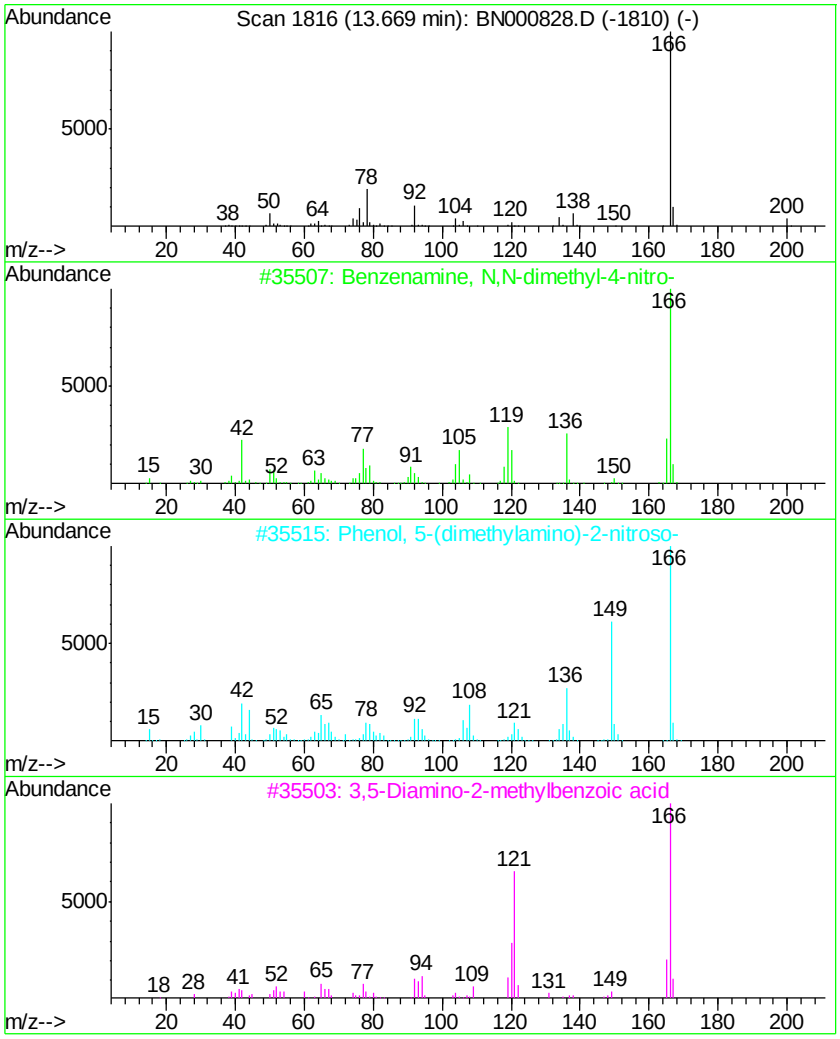
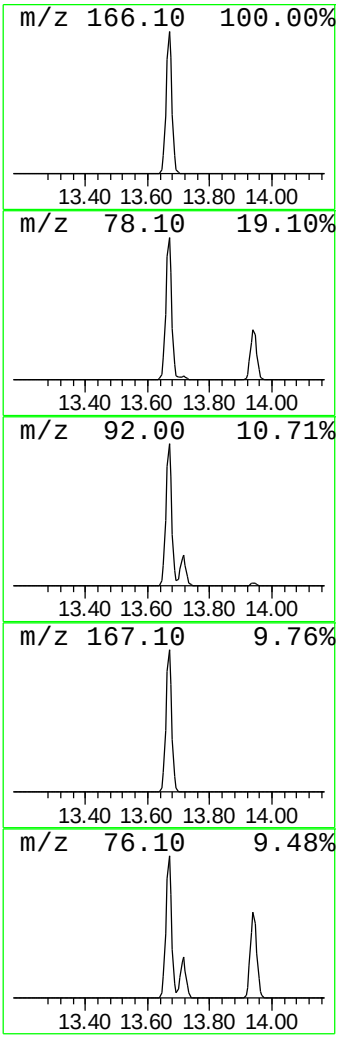
Peak Number 7 unknown-04 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	13.33 ng/ul	889784	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	36
2	Phenol, 5-(dimethylamino)-2-nitr...	166	C8H10N2O2	016761-04-9	33
3	3,5-Diamino-2-methylbenzoic acid	166	C8H10N2O2	090007-30-0	33
4	1H-Purine-2,6-dione, 3,7-dihydro...	166	C6H6N4O2	006136-37-4	9
5	Benzo[b]tetrahydrofuran-3-one, 5...	166	C8H6O4	014771-00-7	9





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Instrument : BNA_N
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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

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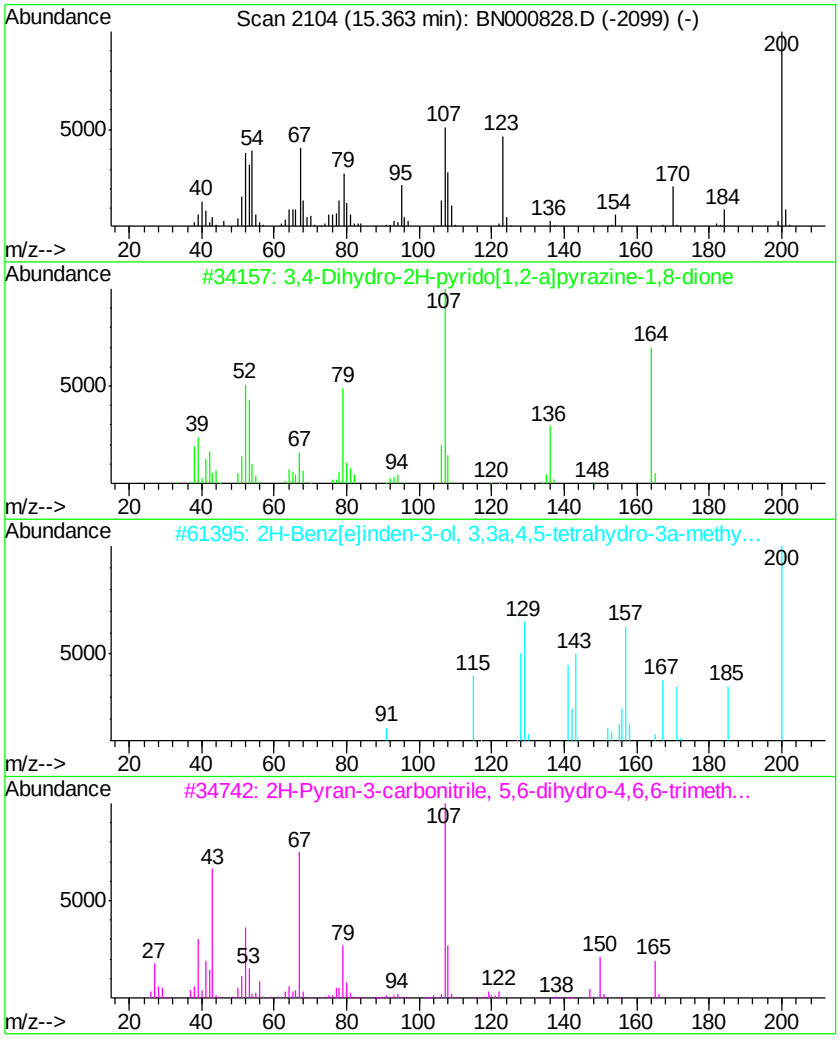
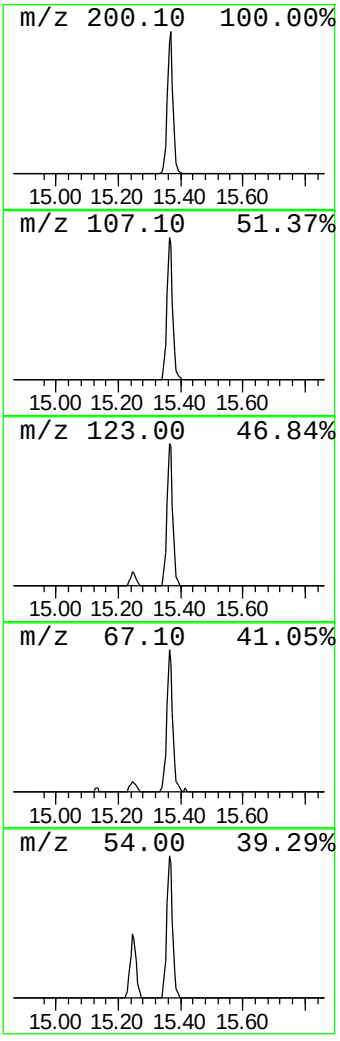
Peak Number 9 unknown-05 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	4.60 ng/ul	307131	Acenaphthene-d10	14.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dihydro-2H-pyrido[1,2-a]pyra...	164	C8H8N2O2	1000303-09-7	35
2	2H-Benz[e]inden-3-ol, 3,3a,4,5-t...	200	C14H16O	071805-91-9	22
3	2H-Pyran-3-carbonitrile, 5,6-dih...	165	C9H11NO2	069245-73-4	10
4	Benzene, 1-methoxy-4-phenoxy-	200	C13H12O2	001655-69-2	10
5	Benzenamine, 4,4'-oxybis-	200	C12H12N2O	000101-80-4	10





Tentatively Identified Compound (LSC) summary

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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	3.2	ng/ul	122163	1	7.62	761696	20.0
unknown-01	7.16	12.2	ng/ul	465165	1	7.62	761696	20.0
unknown-02	8.32	9.5	ng/ul	360213	1	7.62	761696	20.0
unknown-03	9.48	7.3	ng/ul	408188	2	10.39	1113180	20.0
unknown-04	13.67	13.3	ng/ul	889784	3	14.25	1335200	20.0
unknown-05	15.36	4.6	ng/ul	307131	3	14.25	1335200	20.0