LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000826.D
Acq On : 23 Apr 2018 13:44
Operator : JU/SJ
Sample : J2467-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW9

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	6.799	642	648	662	rVB2	86654	158470	10.64%	0.772%
2	6.969	670	677	686	rBV	333885	488729	32.80%	2.381%
3	7.157	703	709	718	rVB	318439	480490	32.25%	2.341%
4	7.622	782	788	795	rBV	510723	765876	51.40%	3.731%
5	8.322	900	907	916	rBV	252678	376672	25.28%	1.835%
6	8.763	975	982	993	rVB	333651	526667	35.35%	2.566%
7	9.481	1097	1104	1110	rBV	261936	411145	27.60%	2.003%
8	10.010	1188	1194	1205	rVB	420660	651304	43.71%	3.173%
9	10.387	1251	1258	1265	rBV	677568	1099702	73.81%	5.357%
10	10.528	1276	1282	1288	rBV	10052	15877	1.07%	0.077%
11	13.092	1714	1718	1724	rBV	18752	24452	1.64%	0.119%
12	13.669	1810	1816	1820	rBV	675974	883838	59.32%	4.306%
13	13.716	1820	1824	1829	rVV	245198	320332	21.50%	1.561%
14	13.940	1856	1862	1870	rBV	782453	1151181	77.26%	5.608%
15	14.175	1896	1902	1908	rBV	69127	89211	5.99%	0.435%
16	14.251	1908	1915	1923	rBV2	875738	1301503	87.35%	6.340%
17	14.451	1944	1949	1957	rBV2	36145	55758	3.74%	0.272%
18	14.622	1970	1978	1984	rBV3	7735	19071	1.28%	0.093%
19	14.798	2002	2008	2014	rVB2	18233	25766	1.73%	0.126%
20	15.075	2051	2055	2060	rBV	16774	23245	1.56%	0.113%
21	15.134	2060	2065	2070	rVB	82063	95715	6.42%	0.466%
22	15.251	2078	2085	2092	rVB	939958	1373089	92.16%	6.689%
23	15.363	2099	2104	2112	rBV	226134	309940	20.80%	1.510%
24	15.539	2128	2134	2138	rVB2	16066	29338	1.97%	0.143%
25	15.998	2207	2212	2215	rBV	65293	87101	5.85%	0.424%
26	16.786	2341	2346	2351	rBV	45775	57311	3.85%	0.279%
27	16.998	2376	2382	2391	rBV	994937	1357928	91.14%	6.615%
28	17.098	2391	2399	2408	rVV2	959966	1355755	91.00%	6.605%
29	17.528	2468	2472	2476	rBV	22567	25749	1.73%	0.125%
30	17.916	2533	2538	2545	rBV	103680	142418	9.56%	0.694%
31	18.216	2585	2589	2594	rBV2	20169	26320	1.77%	0.128%
32	18.792	2682	2687	2694	rBV2	20309	37739	2.53%	0.184%
33	18.875	2694	2701	2704	rVV4	22516	43699	2.93%	0.213%
34	19.033	2722	2728	2731	rBV2	10812	18596	1.25%	0.091%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000826.D
Acq On : 23 Apr 2018 13:44
Operator : JU/SJ
Sample : J2467-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW9

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	19.086	2734	2737	2746	rVB6	7544	18038	1.21%	0.088%
36	19.204	2753	2757	2764	rBV3	29100	46565	3.13%	0.227%
37	19.398	2784	2790	2796	rBV	1099452	1489916	100.00%	7.258%
38	20.945	3048	3053	3064	rBV	92833	180718	12.13%	0.880%
39	21.204	3091	3097	3103	rBV	1126811	1421662	95.42%	6.926%
40	21.816	3198	3201	3204	rBV4	17472	24743	1.66%	0.121%
41	22.268	3275	3278	3282	rBV2	41373	47860	3.21%	0.233%
42	22.392	3296	3299	3305	rVB	74081	92915	6.24%	0.453%
43	22.763	3359	3362	3367	rVB	62670	84288	5.66%	0.411%
44	23.251	3438	3445	3452	rBV2	795772	1428252	95.86%	6.958%
45	23.315	3452	3456	3461	rVV	79861	133316	8.95%	0.649%
46	23.386	3462	3468	3481	rVB2	796274	1438696	96.56%	7.009%
47	23.945	3559	3563	3570	rVB	84373	140599	9.44%	0.685%
48	24.668	3681	3686	3693	rVB	76614	149635	10.04%	0.729%

Sum of corrected areas: 20527190

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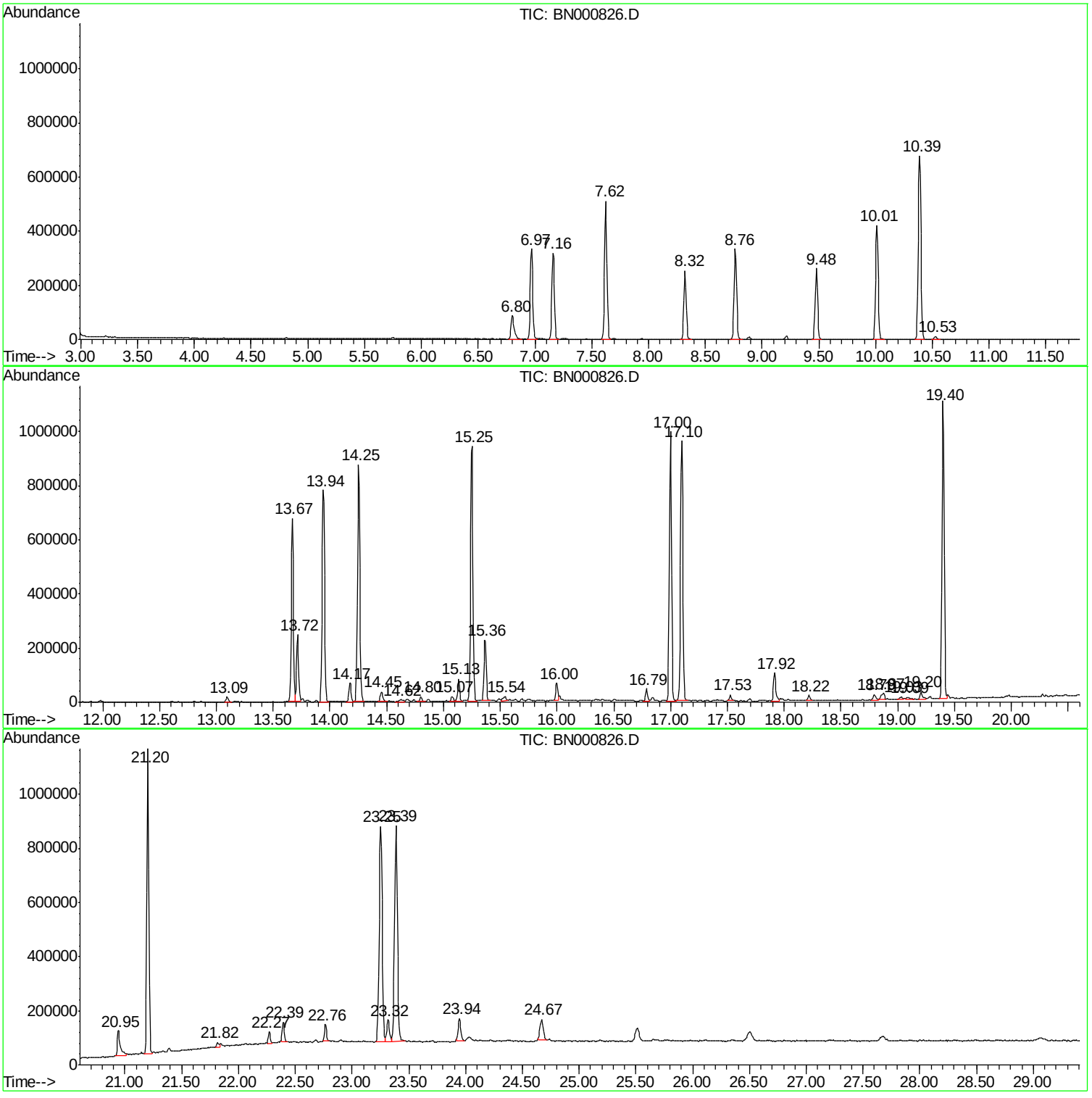
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A3XW9

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 : BN000826.D
Acq On : 23 Apr 2018 13:44
Operator : JU/SJ
Sample : J2467-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW9

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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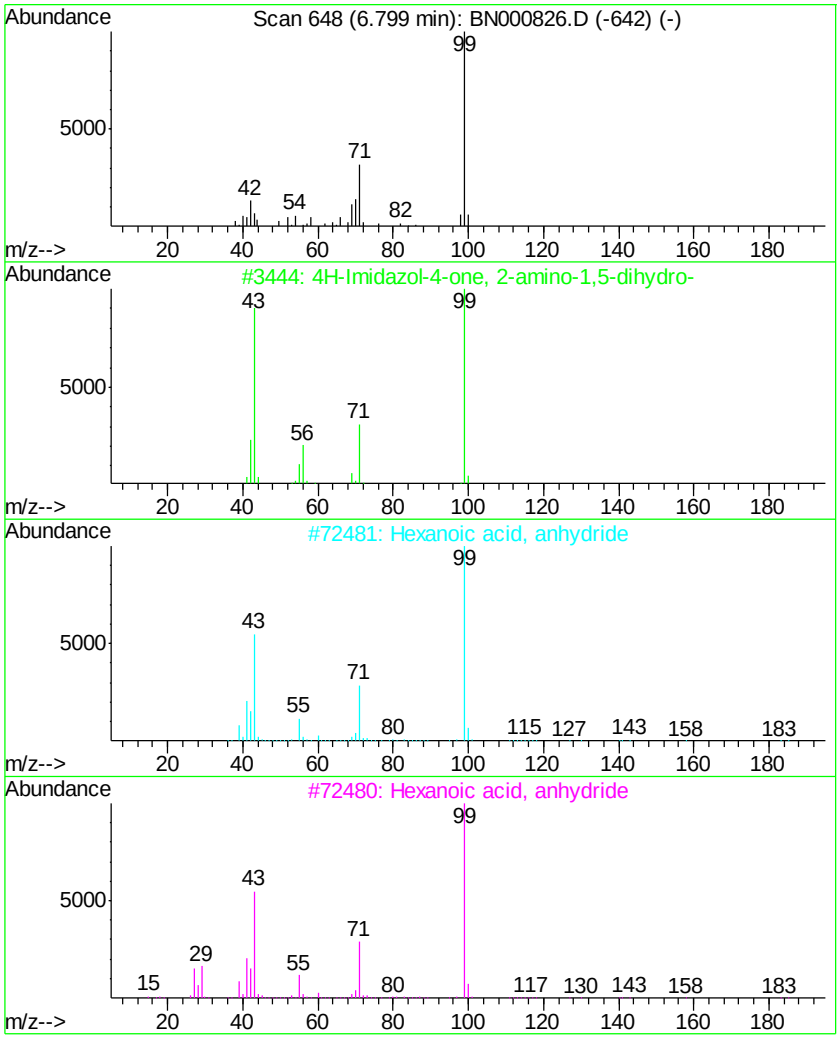
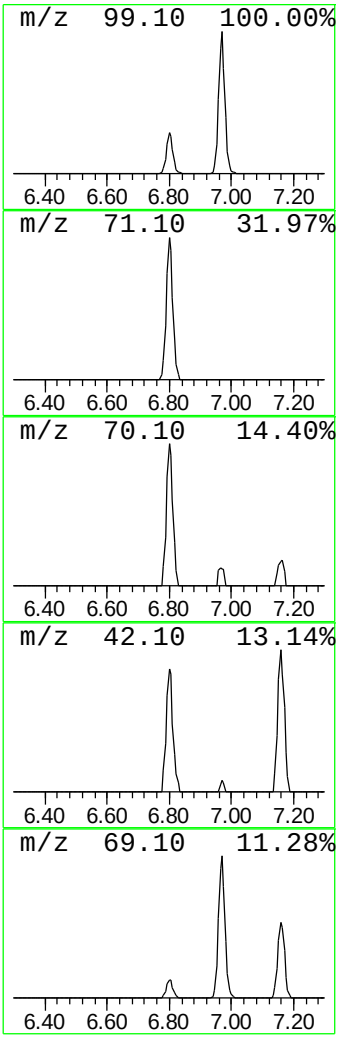
Peak Number 1 4H-Imidazol-4-one, 2-amino-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	4.14 ng/ul	158470	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	72
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	p-Nitrophenyl hexanoate	237	C12H15NO4	000956-75-2	42





Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000826.D
Acq On : 23 Apr 2018 13:44
Operator : JU/SJ
Sample : J2467-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW9

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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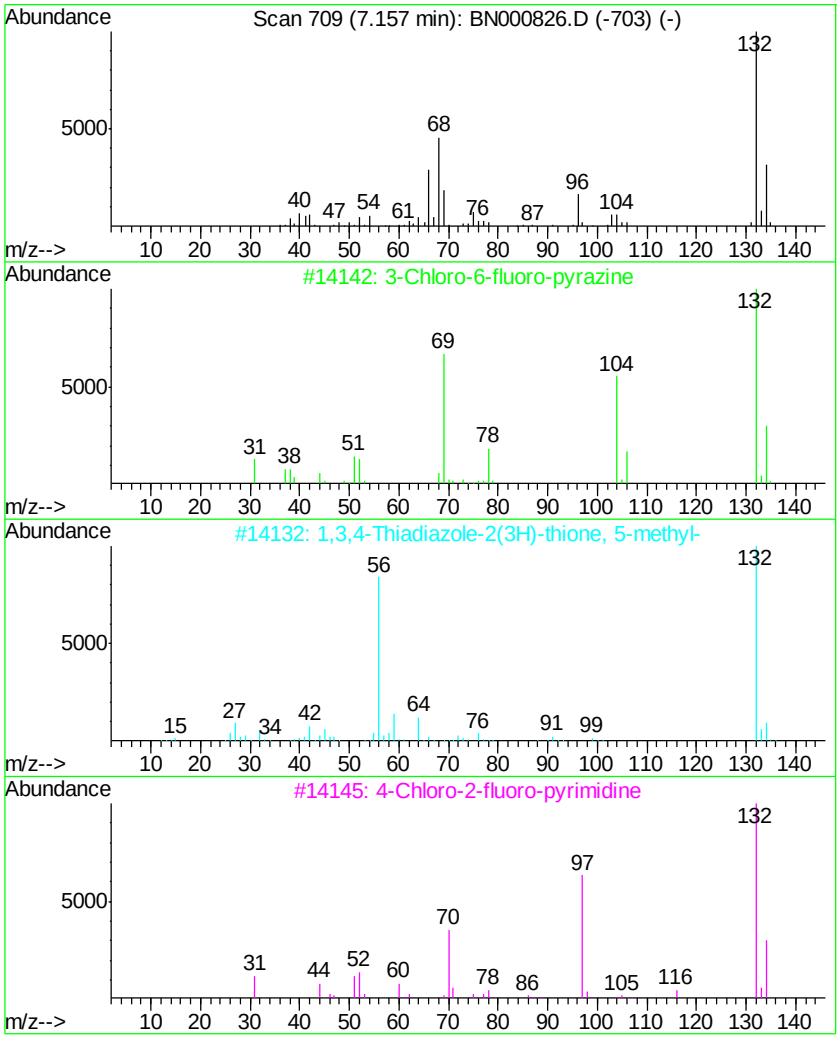
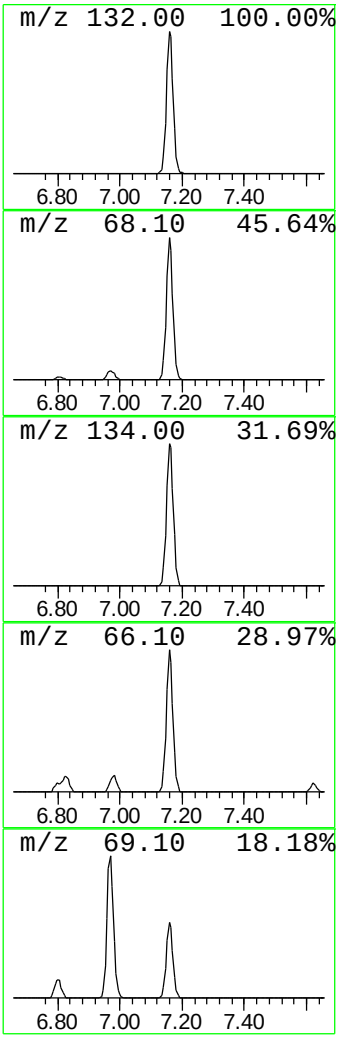
Peak Number 3 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	12.55 ng/ul	480490	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	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
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	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000826.D
Acq On : 23 Apr 2018 13:44
Operator : JU/SJ
Sample : J2467-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW9

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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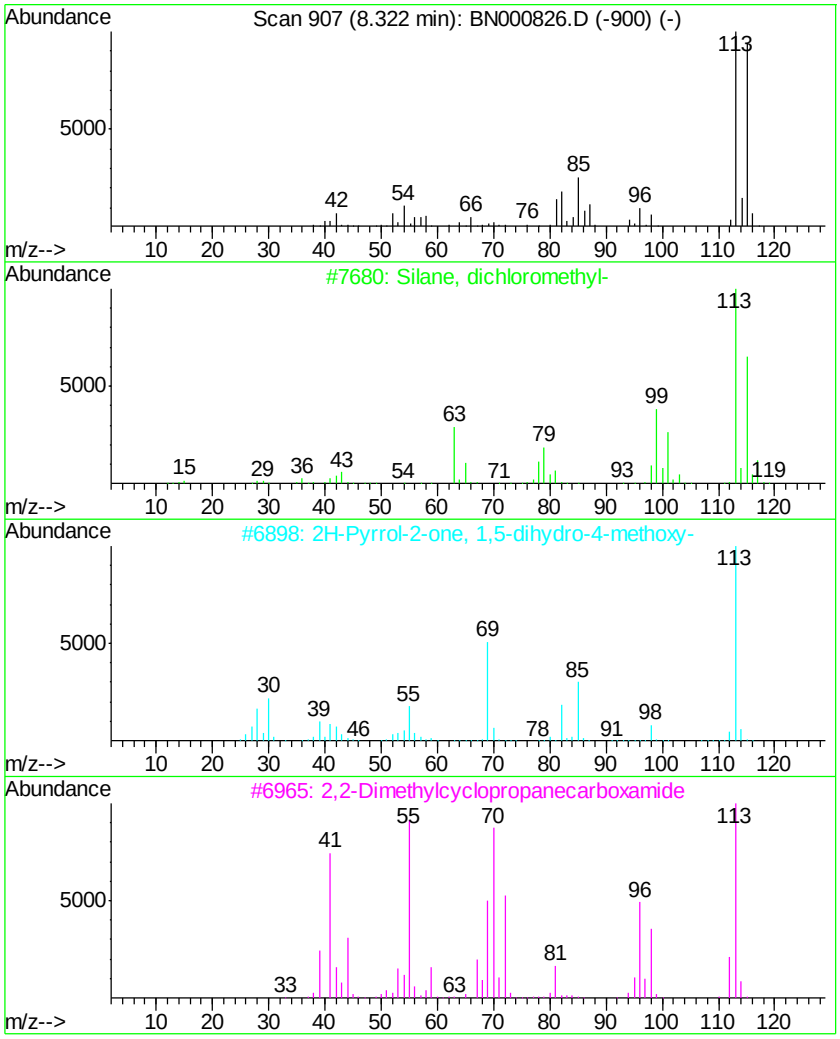
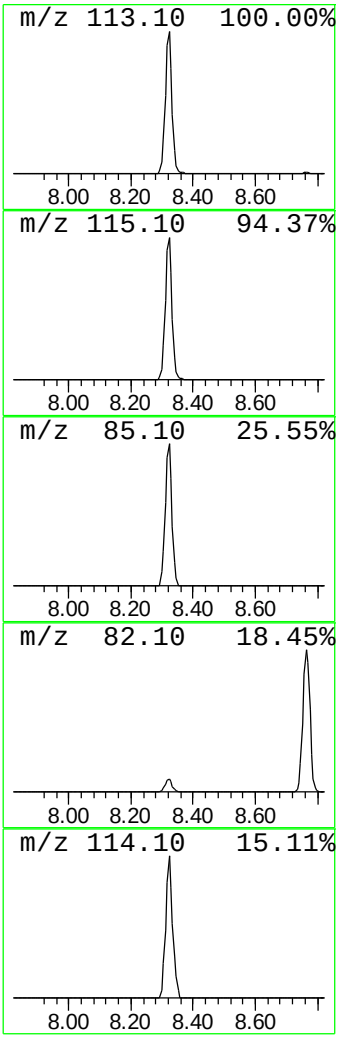
Peak Number 4 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.32	9.84 ng/ul	376672	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	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	32
3	2,2-Dimethylcyclopropanecarboxamide	113	C6H11NO	075885-58-4	27
4	Thiazole, 2,5-dimethyl-	113	C5H7NS	004175-66-0	25
5	.alpha.-Methyl-.alpha.-propylsuc...	155	C8H13NO2	001497-19-4	25





Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000826.D
Acq On : 23 Apr 2018 13:44
Operator : JU/SJ
Sample : J2467-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW9

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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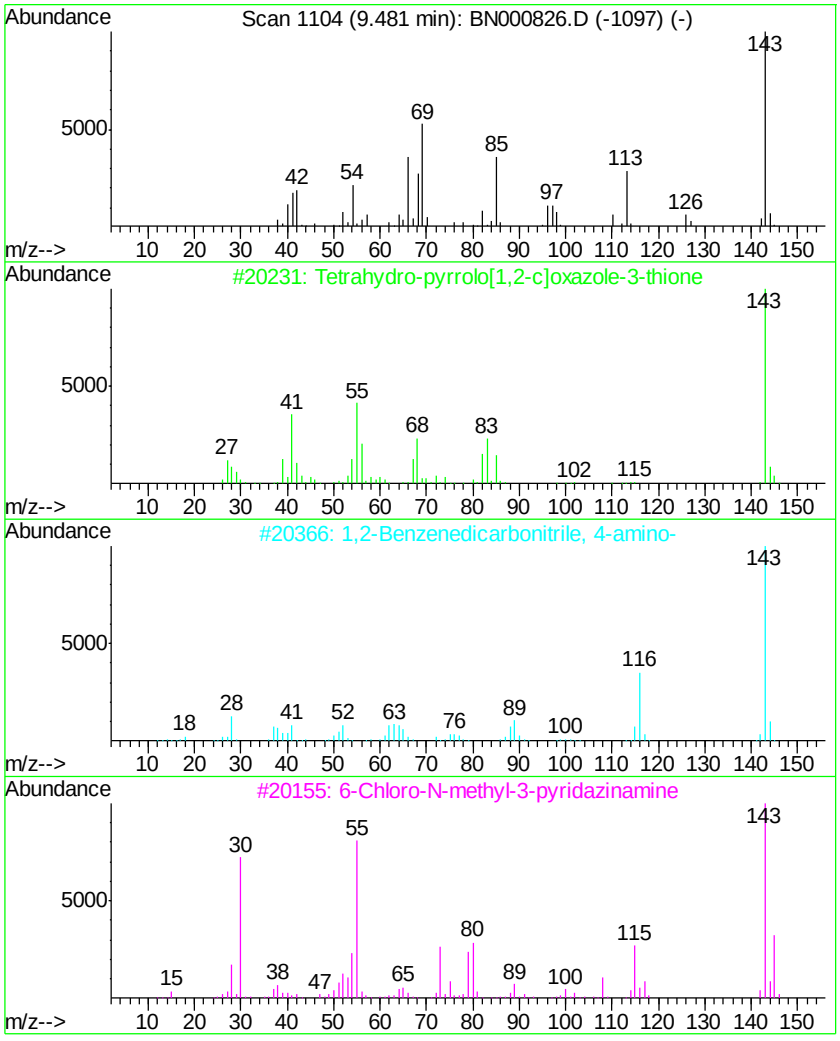
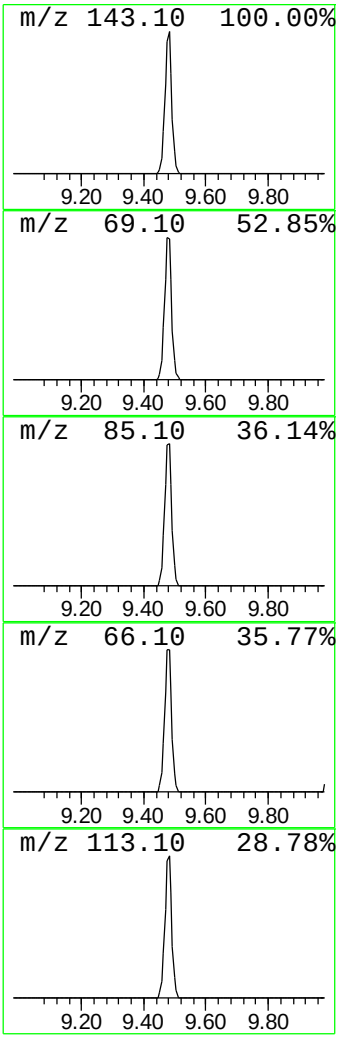
Peak Number 6 unknown-03 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	7.48 ng/ul	411145	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrahydro-pyrrolo[1,2-c]oxazole...	143	C6H9NOS	1000190-53-6	17
2	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	14
3	6-Chloro-N-methyl-3-pyridazinamine	143	C5H6ClN3	014959-32-1	12
4	1-(1-Butoxypropan-2-yloxy)propan...	274	C15H30O4	1000367-13-0	10
5	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	10





Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000826.D
Acq On : 23 Apr 2018 13:44
Operator : JU/SJ
Sample : J2467-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW9

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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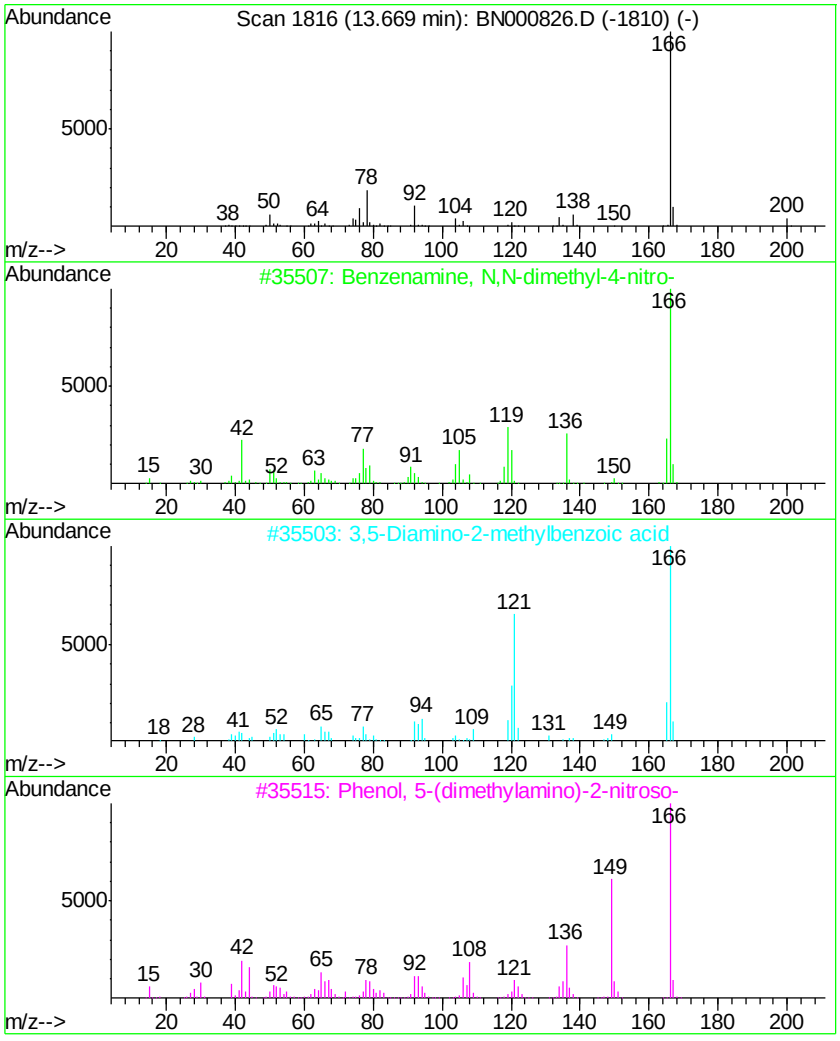
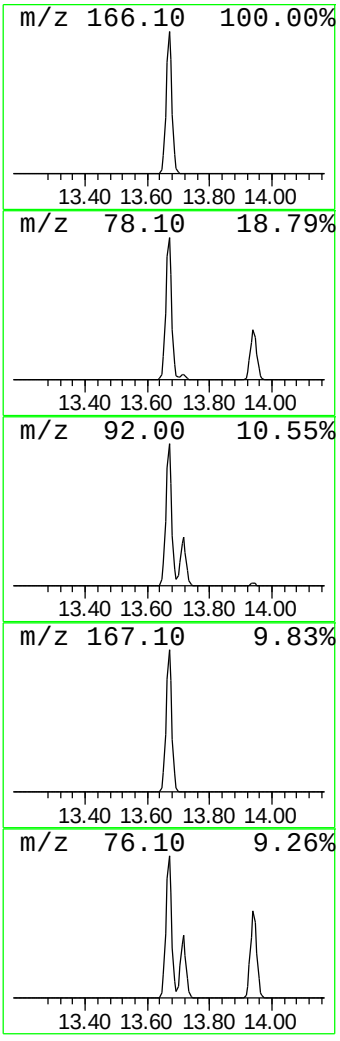
Peak Number 7 unknown-04 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	13.58 ng/ul	883838	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	3,5-Diamino-2-methylbenzoic acid	166	C8H10N2O2	090007-30-0	36
3	Phenol, 5-(dimethylamino)-2-nitr...	166	C8H10N2O2	016761-04-9	36
4	Benzo[b]tetrahydrofuran-3-one, 5...	166	C8H6O4	014771-00-7	9
5	p-Anisamidoxime	166	C8H10N2O2	005373-87-5	9





Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000826.D
Acq On : 23 Apr 2018 13:44
Operator : JU/SJ
Sample : J2467-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW9

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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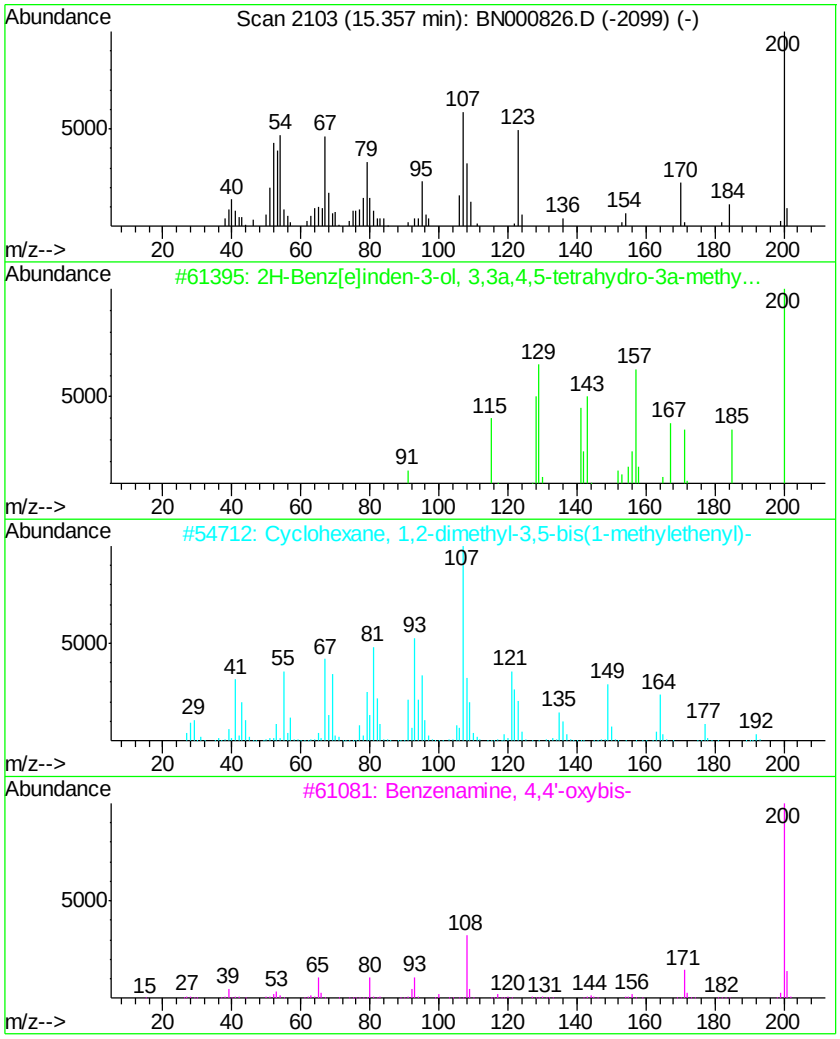
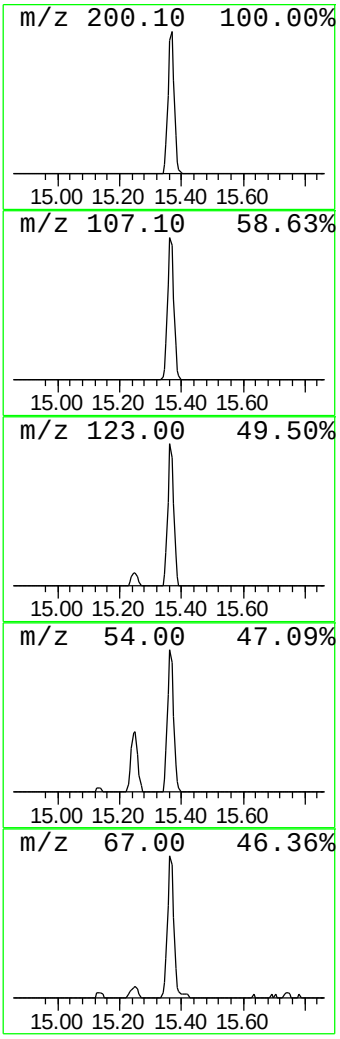
Peak Number 9 unknown-05 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	4.76 ng/ul	309940	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	Cyclohexane, 1,2-dimethyl-3,5-bi...	192	C14H24	062337-99-9	14
3	Benzenamine, 4,4'-oxybis-	200	C12H12N2O	000101-80-4	10
4	3,4-Dihydro-2H-pyrido[1,2-a]pyra...	164	C8H8N2O2	1000303-09-7	10
5	Benzene, 1-methoxy-3-phenoxy-	200	C13H12O2	001655-68-1	10





Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000826.D
Acq On : 23 Apr 2018 13:44
Operator : JU/SJ
Sample : J2467-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW9

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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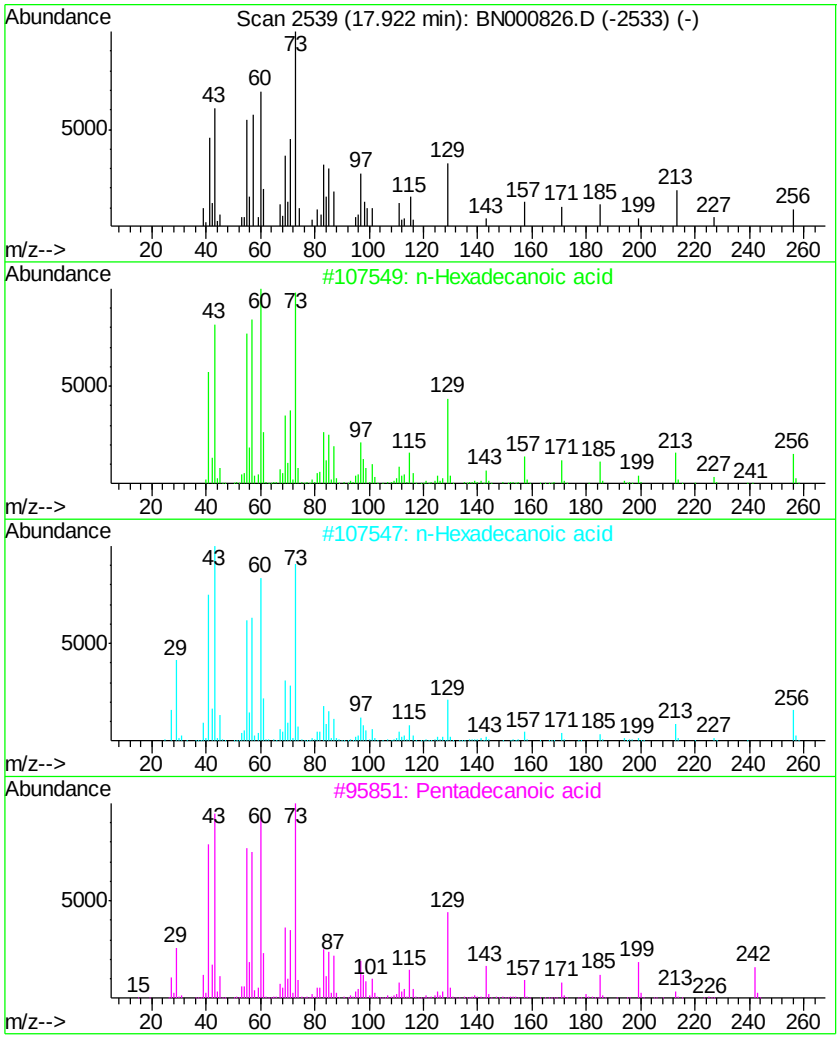
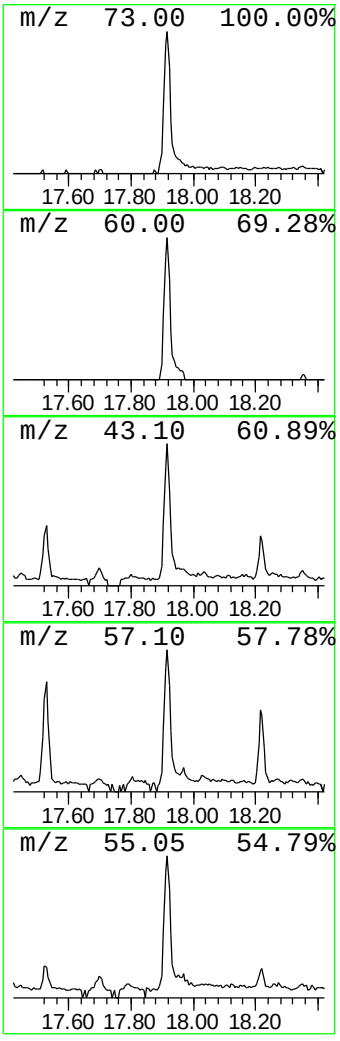
Peak Number 10 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	2.10 ng/ul	142418	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	81
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
5	Oxalic acid, allyl hexadecyl ester	354	C21H38O4	1000309-24-4	35





Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000826.D
Acq On : 23 Apr 2018 13:44
Operator : JU/SJ
Sample : J2467-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW9

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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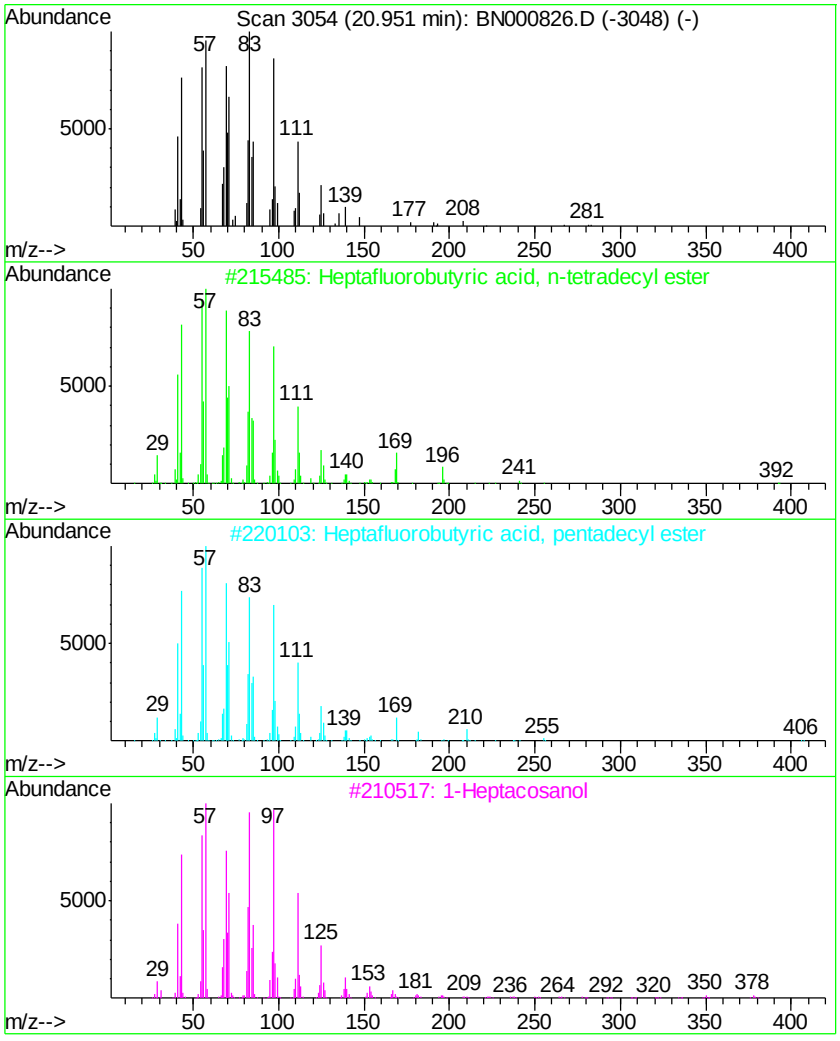
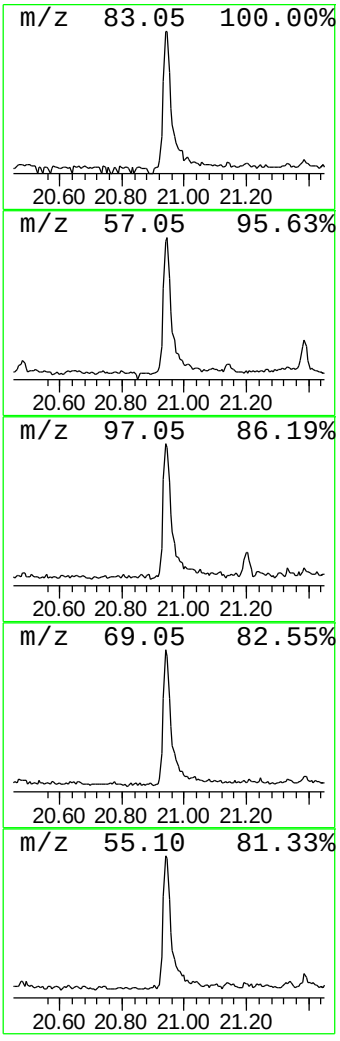
Peak Number 11 Heptafluorobutyric acid, n-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.95	2.54 ng/ul	180718	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	94
2	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
3	1-Heptacosanol	396	C27H56O	002004-39-9	94
4	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91





Data Path : Z:\HPCHEM1\BNA N\DATA\BN042318\
Data File : BN000826.D
Acq On : 23 Apr 2018 13:44
Operator : JU/SJ
Sample : J2467-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW9

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

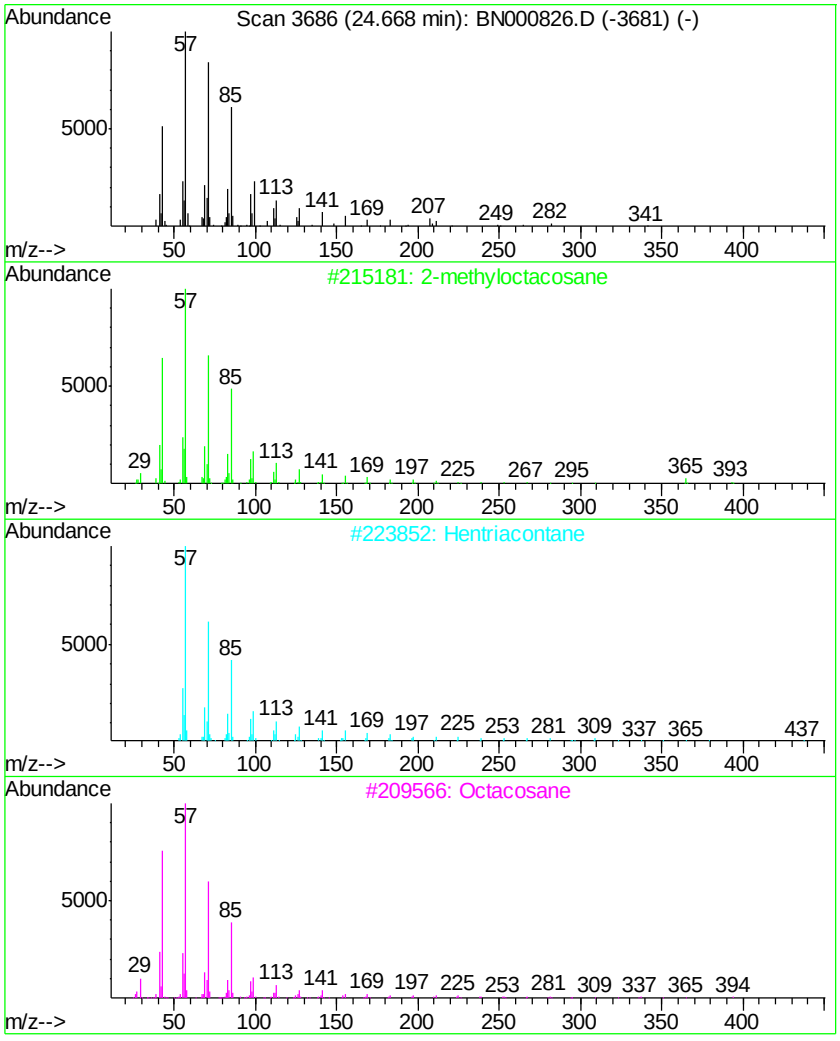
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

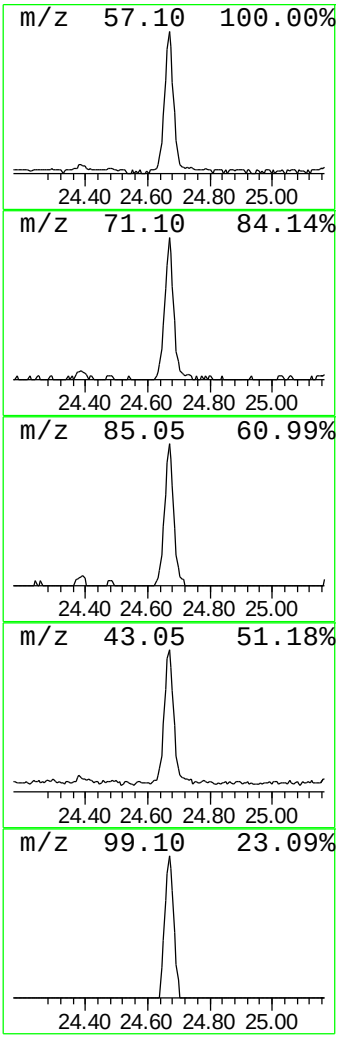
****

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.67	2.08 ng/ul	149635	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	91
2	Hentriacontane	437	C31H64	000630-04-6	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Pentacosane	352	C25H52	000629-99-2	90
5	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN042318\
Data File : BN000826.D
Acq On : 23 Apr 2018 13:44
Operator : JU/SJ
Sample : J2467-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3XW9

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
4H-Imidazol-4-one...	6.80	4.1	ng/ul	158470	1	7.62	765876	20.0
unknown-01	7.16	12.6	ng/ul	480490	1	7.62	765876	20.0
unknown-02	8.32	9.8	ng/ul	376672	1	7.62	765876	20.0
unknown-03	9.48	7.5	ng/ul	411145	2	10.39	1099700	20.0
unknown-04	13.67	13.6	ng/ul	883838	3	14.25	1301500	20.0
unknown-05	15.36	4.8	ng/ul	309940	3	14.25	1301500	20.0
n-Hexadecanoic acid	17.92	2.1	ng/ul	142418	4	17.00	1357930	20.0
Heptafluorobutyri...	20.95	2.5	ng/ul	180718	5	21.20	1421660	20.0
(DEL) Alkane: Str...	24.67	2.1	ng/ul	149635	6	23.39	1438700	20.0