LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106941.D
Acq On : 29 Jun 2018 00:30
Operator : JU/SJ
Sample : J3048-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-D

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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	4.090	294	298	303	rBV	36267	43732	1.47%	0.314%
2	5.225	480	491	493	rBV	1511057	2967191	100.00%	21.284%
3	5.449	526	529	533	rBV	37039	31161	1.05%	0.224%
4	5.554	544	547	549	rBV	30666	30587	1.03%	0.219%
5	5.596	551	554	561	rVB	386346	334611	11.28%	2.400%
6	6.595	719	724	733	rVB	1005350	1012647	34.13%	7.264%
7	6.725	743	746	750	rBV	692817	586284	19.76%	4.205%
8	6.954	781	785	788	rBV	424871	357875	12.06%	2.567%
9	7.107	807	811	815	rBV	1168675	1042203	35.12%	7.476%
10	7.360	851	854	862	rBV	118045	124693	4.20%	0.894%
11	7.519	876	881	884	rBV	1000686	894815	30.16%	6.419%
12	8.237	999	1003	1006	rBV	462179	411302	13.86%	2.950%
13	9.307	1181	1185	1188	rBV	1317535	1082700	36.49%	7.766%
14	9.425	1200	1205	1208	rBV	38128	36282	1.22%	0.260%
15	9.701	1248	1252	1259	rVB	326648	271119	9.14%	1.945%
16	9.995	1298	1302	1305	rBV	385170	364910	12.30%	2.618%
17	10.783	1433	1436	1442	rBV	97353	92767	3.13%	0.665%
18	10.878	1449	1452	1456	rBV	28165	30114	1.01%	0.216%
19	11.483	1552	1555	1558	rBV	385520	351390	11.84%	2.521%
20	11.507	1558	1559	1563	rVV	91270	73980	2.49%	0.531%
21	12.101	1657	1660	1662	rBV2	36656	37128	1.25%	0.266%
22	12.219	1677	1680	1684	rVB3	37388	33150	1.12%	0.238%
23	12.701	1759	1762	1766	rBV	176106	160463	5.41%	1.151%
24	12.936	1799	1802	1807	rVB	163471	150964	5.09%	1.083%
25	13.066	1820	1824	1828	rVV	1197931	1119528	37.73%	8.030%
26	13.207	1845	1848	1850	rVB	43476	34065	1.15%	0.244%
27	13.260	1855	1857	1862	rVB2	39928	42646	1.44%	0.306%
28	13.436	1885	1887	1893	rVV2	87695	93732	3.16%	0.672%
29	13.948	1970	1974	1978	rBV4	119808	130085	4.38%	0.933%
30	14.136	2002	2006	2009	rVV2	632927	661509	22.29%	4.745%
31	14.160	2009	2010	2018	rVB	114237	94420	3.18%	0.677%
32	14.524	2068	2072	2075	rBV	26404	31325	1.06%	0.225%
33	14.583	2076	2082	2088	rBV7	43256	75372	2.54%	0.541%
34	15.213	2185	2189	2192	rBV	81252	123277	4.15%	0.884%

LSC Area Percent Report

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Acq On : 29 Jun 2018 00:30
Operator : JU/SJ
Sample : J3048-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-D

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.248	2192	2195	2198	rVV3	77851	98106	3.31%	0.704%
36	15.536	2240	2244	2251	rVB	49225	70643	2.38%	0.507%
37	15.601	2251	2255	2260	rBV	71008	95750	3.23%	0.687%
38	15.671	2261	2267	2271	rBV	346595	459437	15.48%	3.296%
39	16.107	2337	2341	2348	rVB2	20947	32519	1.10%	0.233%
40	17.236	2528	2533	2543	rVB3	39252	87044	2.93%	0.624%
41	17.683	2603	2609	2613	rBV4	30428	65736	2.22%	0.472%
42	18.401	2727	2731	2736	rBV6	20274	35535	1.20%	0.255%
43	18.654	2768	2774	2786	rVB6	26458	68208	2.30%	0.489%

Sum of corrected areas: 13941005

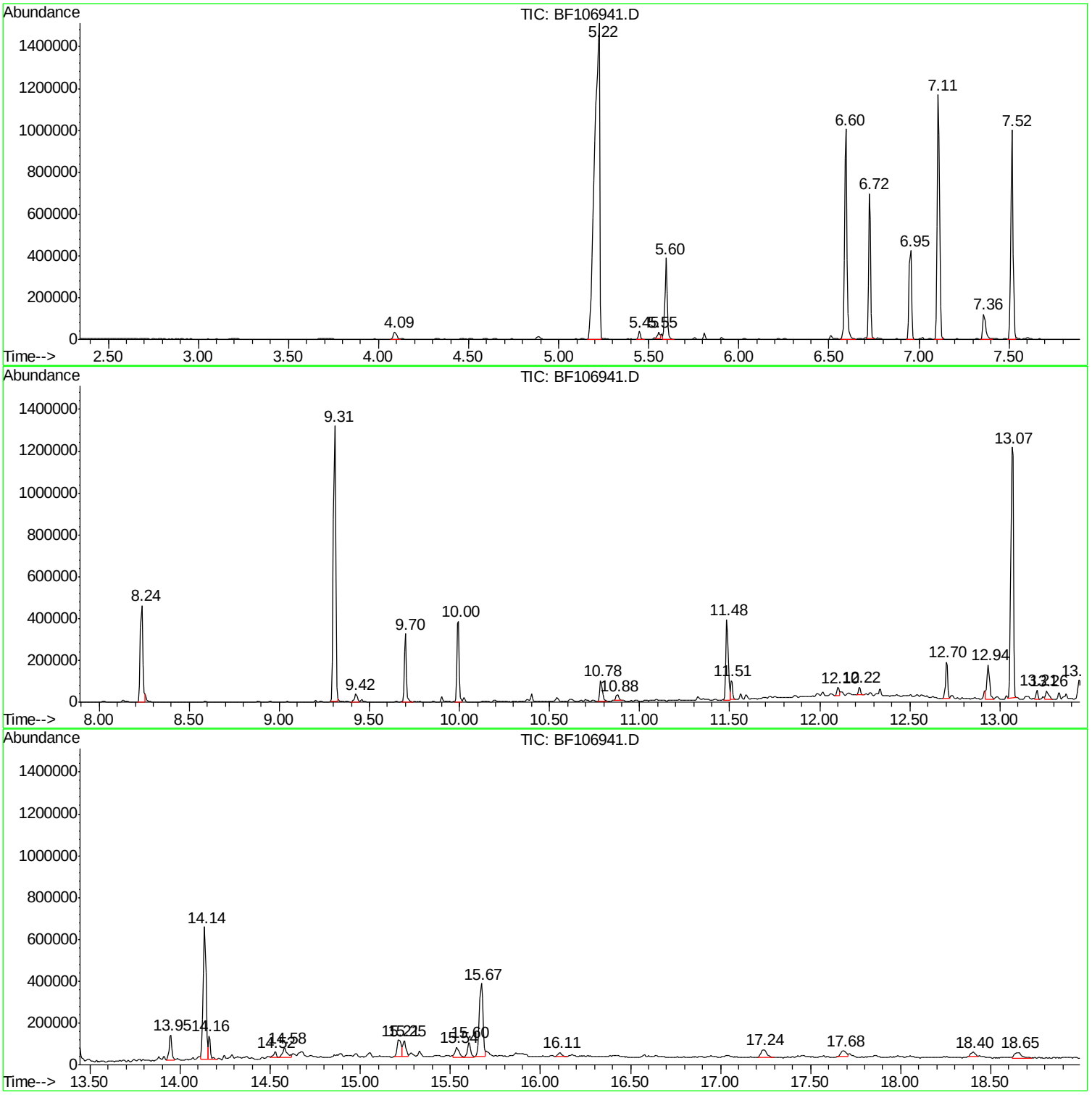
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106941.D
Acq On : 29 Jun 2018 00:30
Operator : JU/SJ
Sample : J3048-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106941.D
Acq On : 29 Jun 2018 00:30
Operator : JU/SJ
Sample : J3048-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

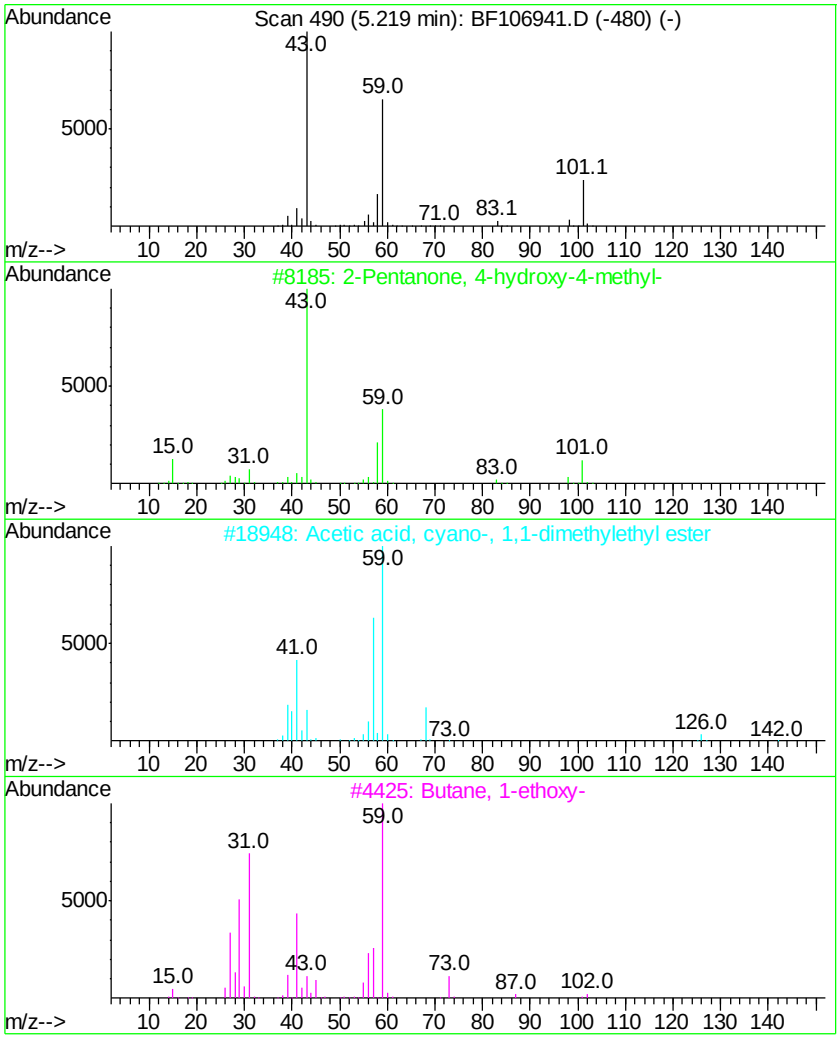
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

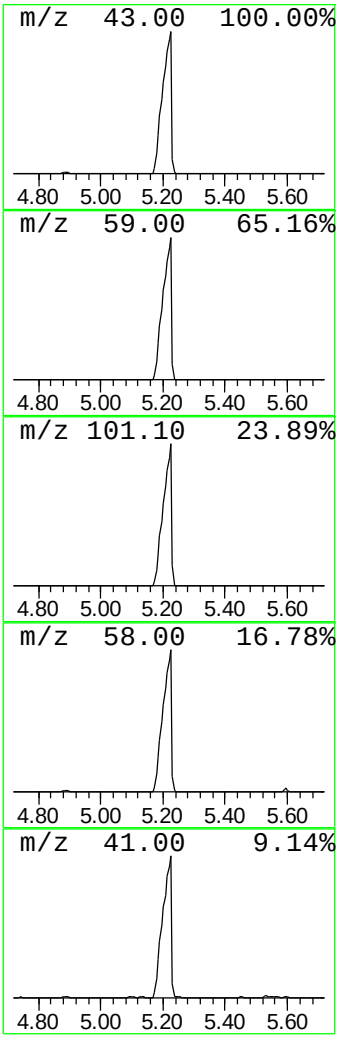
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	165.82 ng	2967190	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106941.D
Acq On : 29 Jun 2018 00:30
Operator : JU/SJ
Sample : J3048-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

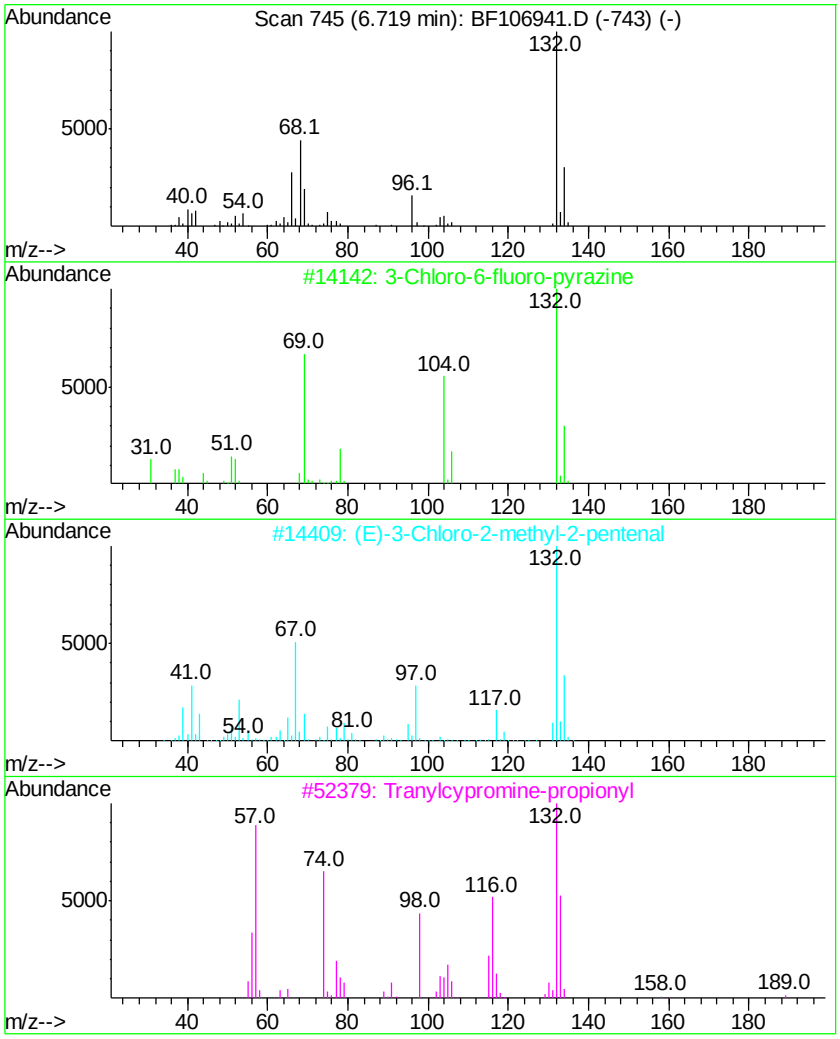
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

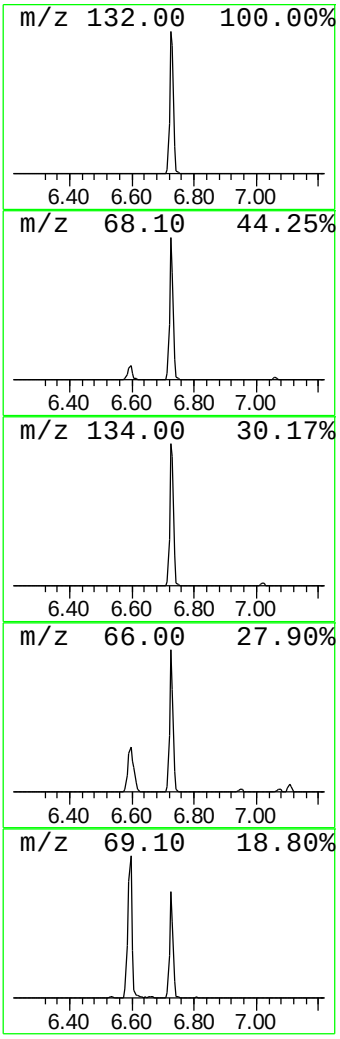
****

Peak Number 3 unknown6.72 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	32.76 ng	586284	1,4-Dichlorobenzene-d4	6.95

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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106941.D
Acq On : 29 Jun 2018 00:30
Operator : JU/SJ
Sample : J3048-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

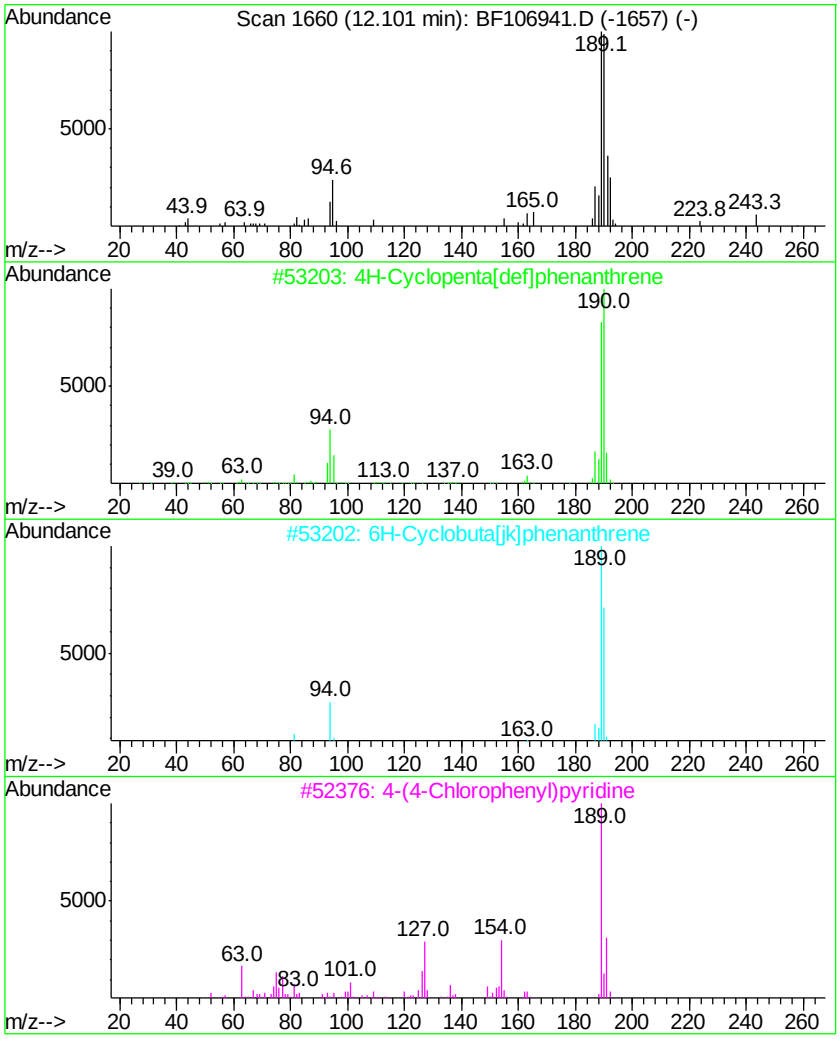
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

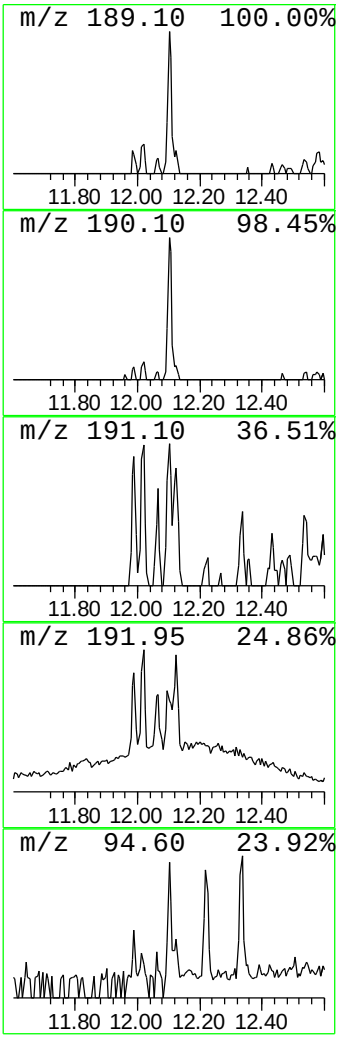
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	2.11 ng	37128	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	4-(4-Chlorophenyl)pyridine	189	C11H8ClN	005957-96-0	12
4	2-Ethylthio-5-chloro-pyrimidin-4...	190	C6H7ClN2OS	106146-79-6	12
5	2-Hydroxy-2-(1-nitro-ethyl)-inda...	235	C11H9NO5	1000296-92-9	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106941.D
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Operator : JU/SJ
Sample : J3048-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

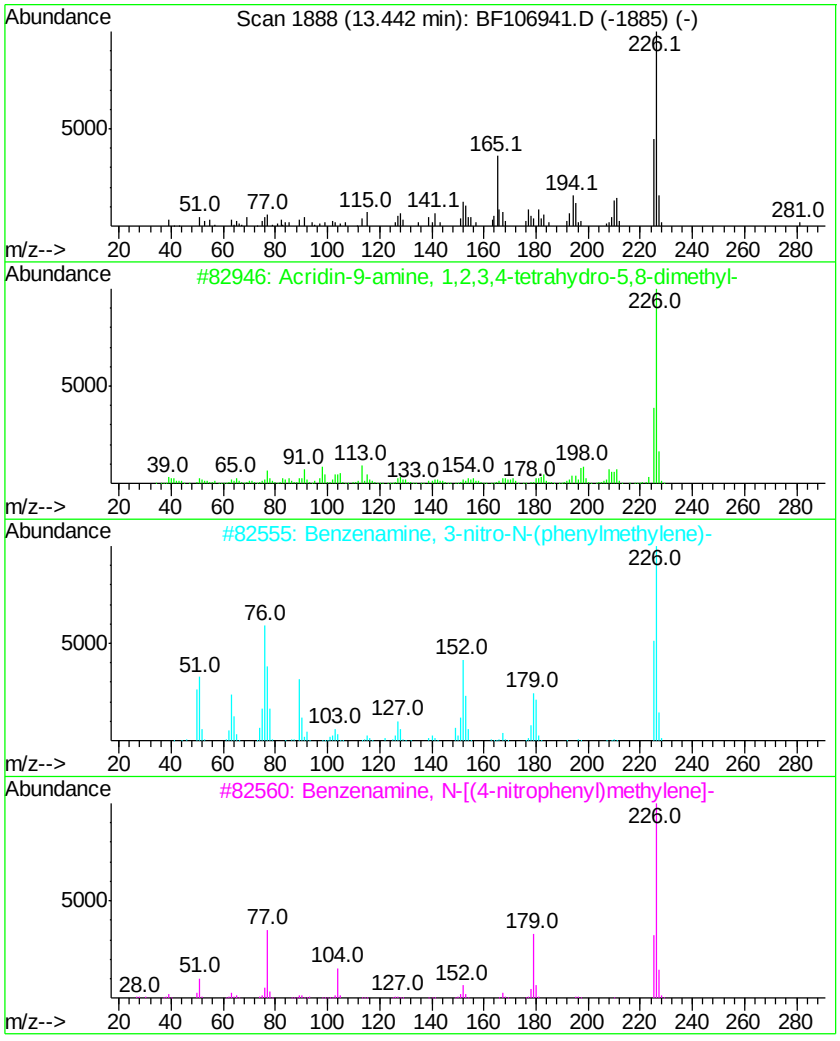
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

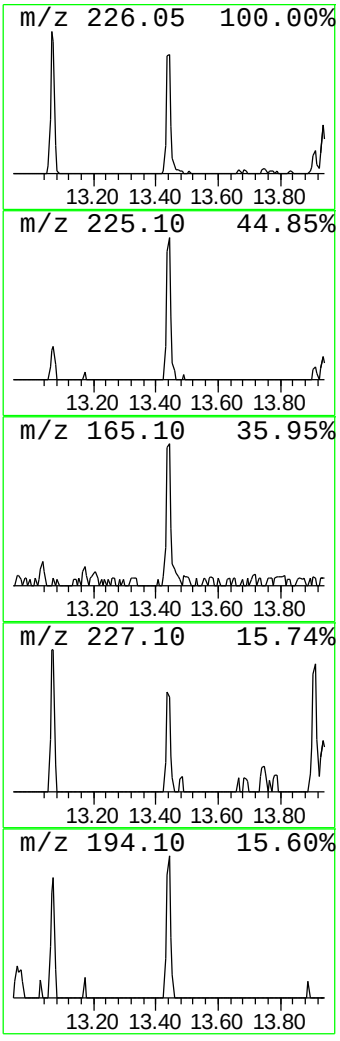
****

Peak Number 6 Acridin-9-amine, 1,2,3,4-te... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	2.83 ng	93732	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	297758-19-1	76
2	Benzenamine, 3-nitro-N-(phenylme...	226	C13H10N2O2	005341-44-6	70
3	Benzenamine, N-[(4-nitrophenyl)m...	226	C13H10N2O2	000785-80-8	62
4	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	1000300-57-6	62
5	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106941.D
Acq On : 29 Jun 2018 00:30
Operator : JU/SJ
Sample : J3048-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
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TIC Library : C:\DATABASE\NIST11.L
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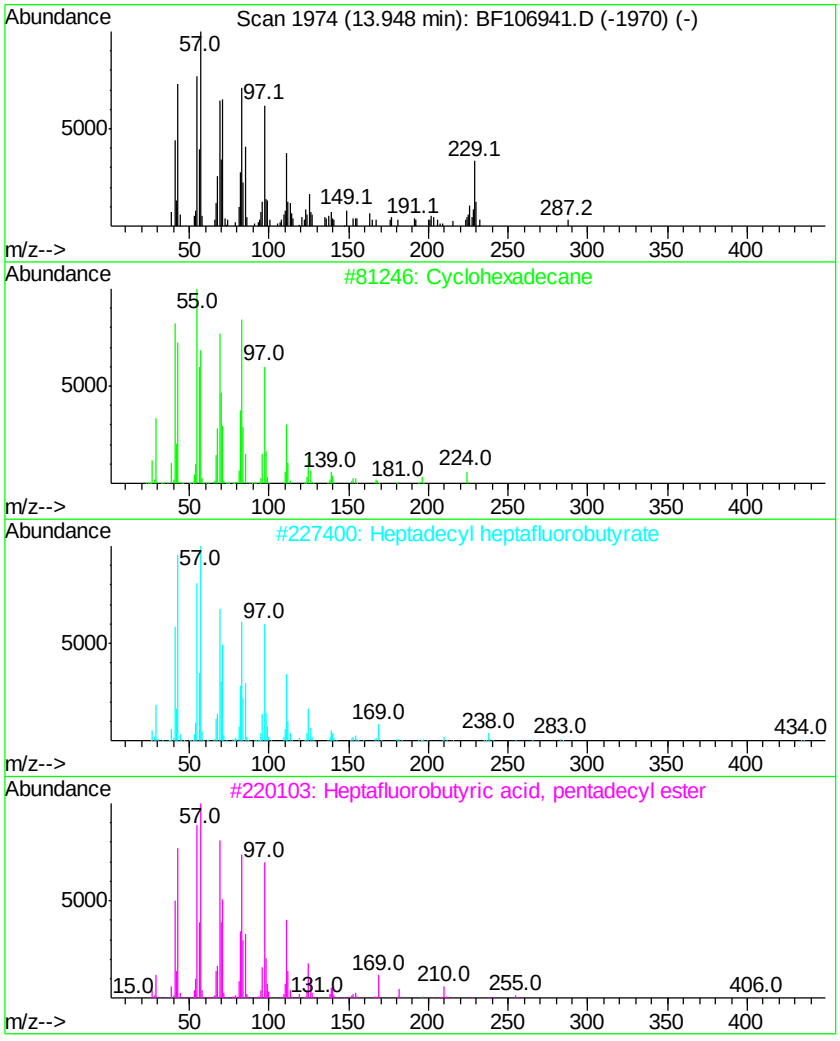
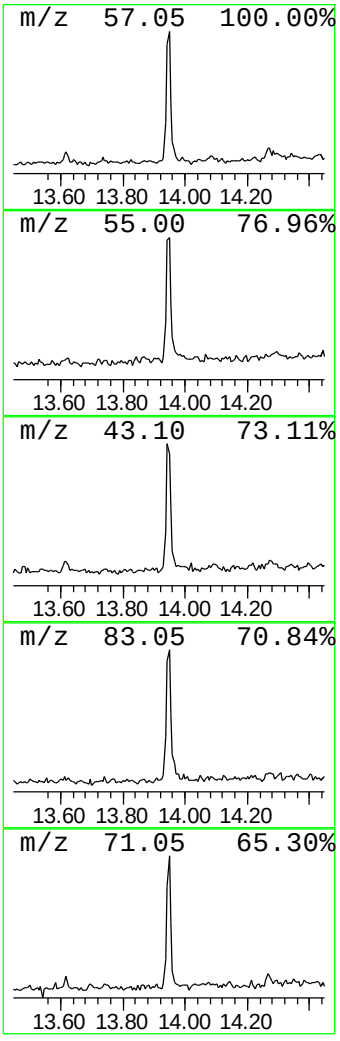
****

Peak Number 7 Cyclohexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	3.93 ng	130085	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	98
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93
4	1-Octadecanol	270	C18H38O	000112-92-5	93
5	1-Heneicosanol	312	C21H44O	015594-90-8	92





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Data File : BF106941.D
Acq On : 29 Jun 2018 00:30
Operator : JU/SJ
Sample : J3048-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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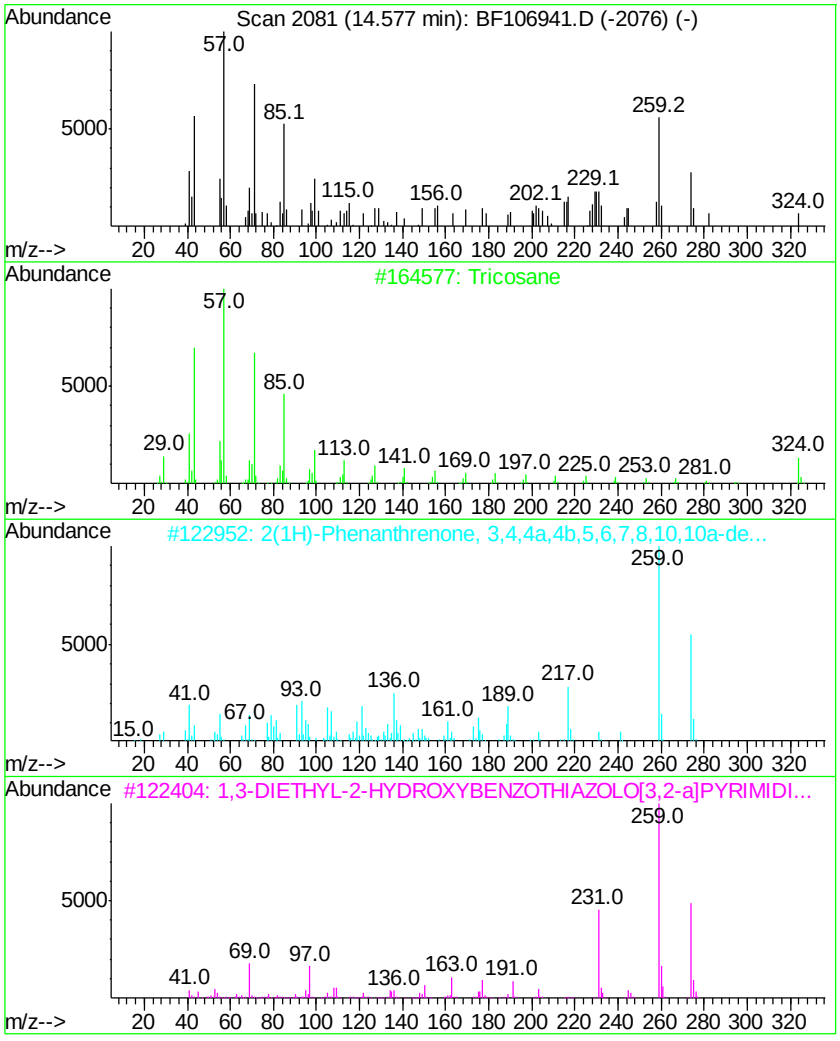
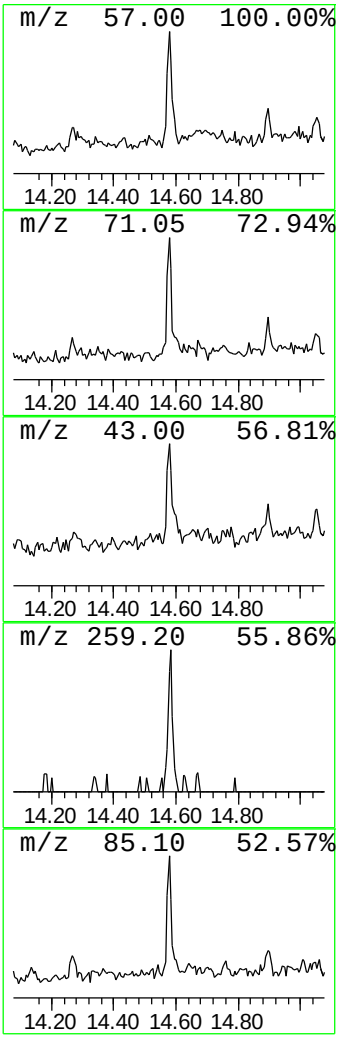
Peak Number 8 Tricosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	2.28 ng	75372	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane	324	C23H48	000638-67-5	38
2	2(1H)-Phenanthrenone, 3,4,4a,4b,...	274	C19H30O	007715-44-8	35
3	1,3-DIETHYL-2-HYDROXYBENZOTHIAZO...	274	C14H14N2O2S	1000227-15-3	30
4	7H-Furo[3,2-g][1]benzopyran-7-on...	274	C15H14O5	054087-32-0	27
5	Eicosane	282	C20H42	000112-95-8	27





Library Search Compound Report

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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

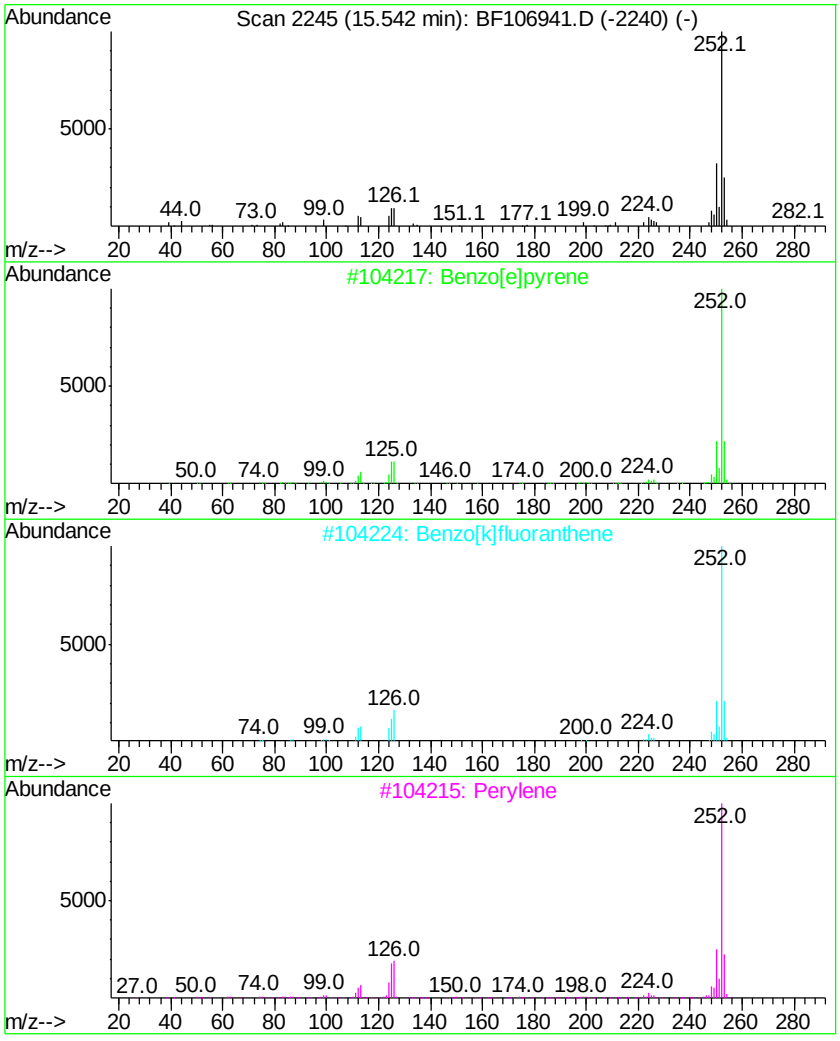
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

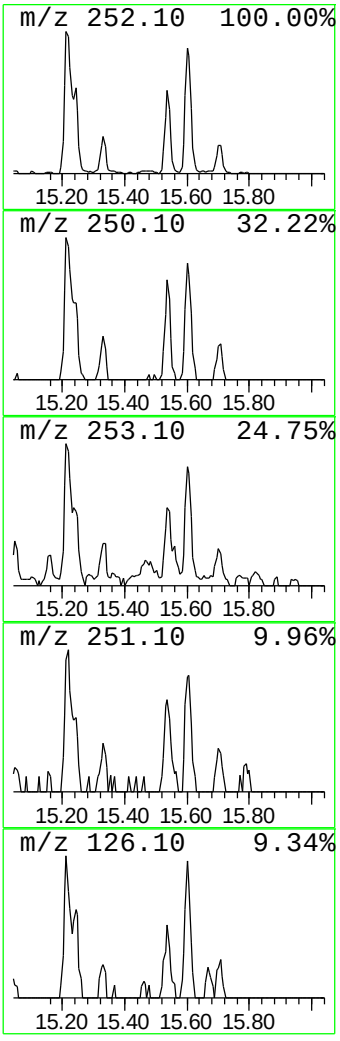
****

Peak Number 9 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	3.08 ng	70643	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106941.D
Acq On : 29 Jun 2018 00:30
Operator : JU/SJ
Sample : J3048-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

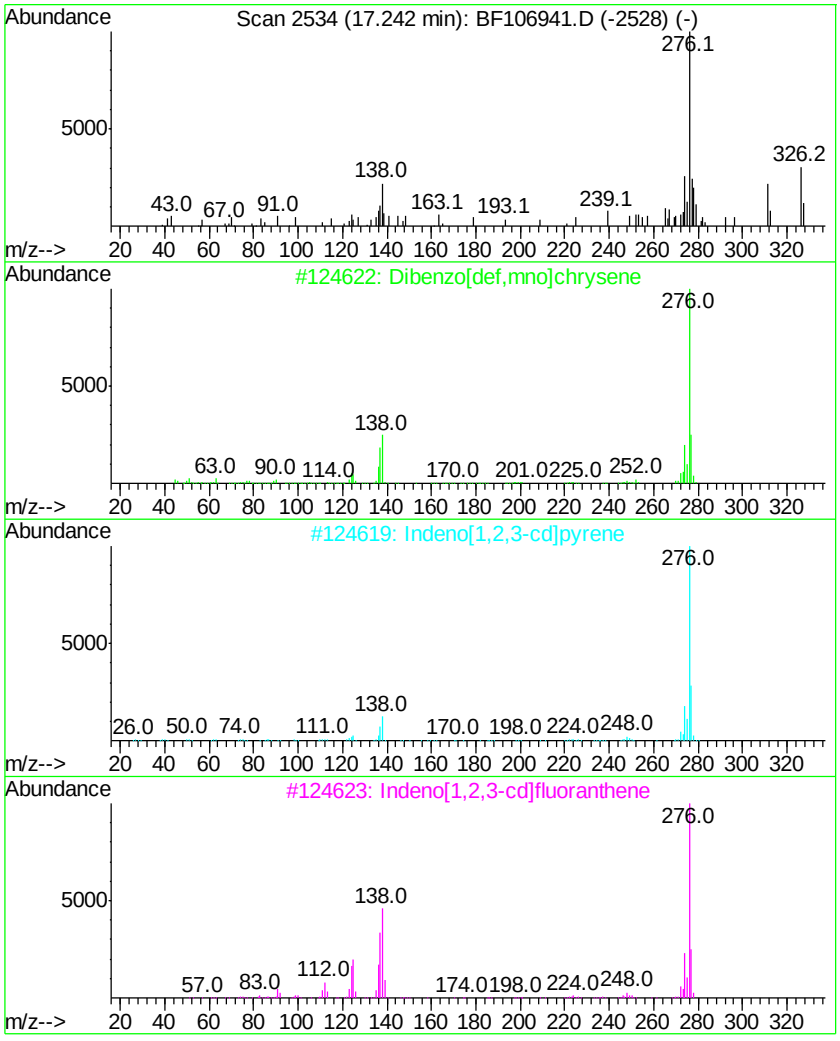
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

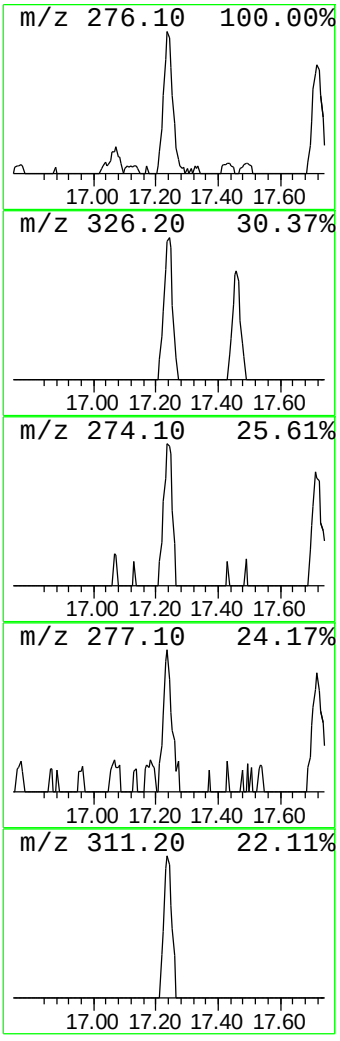
****

Peak Number 10 Dibenzo[def,mno]chrysene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	3.79 ng	87044	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	55
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	55
3	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	46
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	46
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	43





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Acq On : 29 Jun 2018 00:30
Operator : JU/SJ
Sample : J3048-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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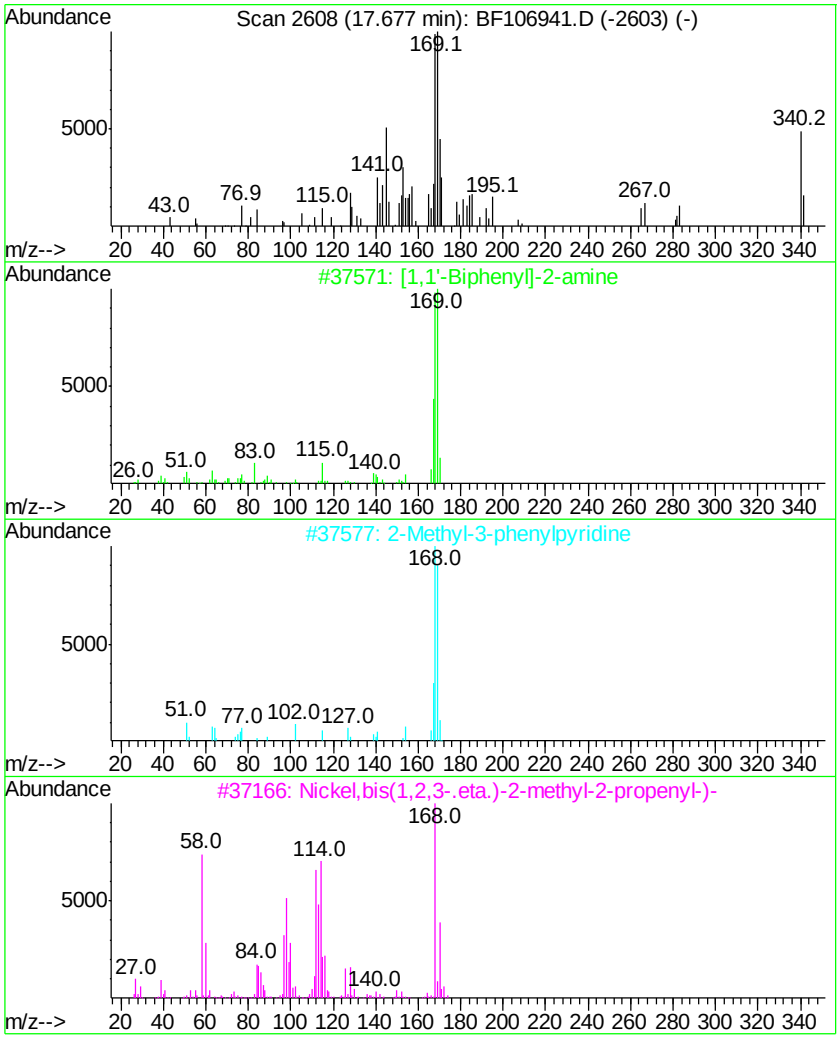
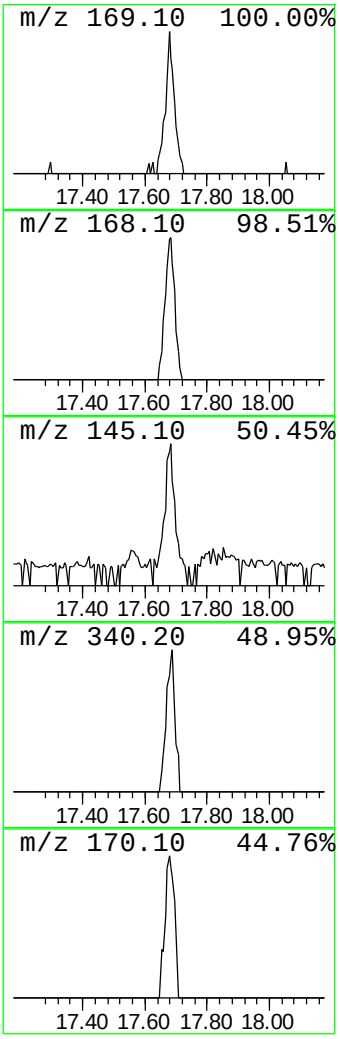
Peak Number 11 unknown17.68 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.68	2.86 ng	65736	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-2-amine	169	C12H11N	000090-41-5	43
2	2-Methyl-3-phenylpyridine	169	C12H11N	003256-89-1	38
3	Nickel,bis(1,2,3-.eta.)-2-methyl...	168	C8H14Ni	012261-14-2	25
4	3-Chloro-2,6-diethylaniline	183	C10H14ClN	067330-62-5	22
5	3-Chloro-4-methoxybenzaldehyde	170	C8H7ClO2	004903-09-7	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106941.D
Acq On : 29 Jun 2018 00:30
Operator : JU/SJ
Sample : J3048-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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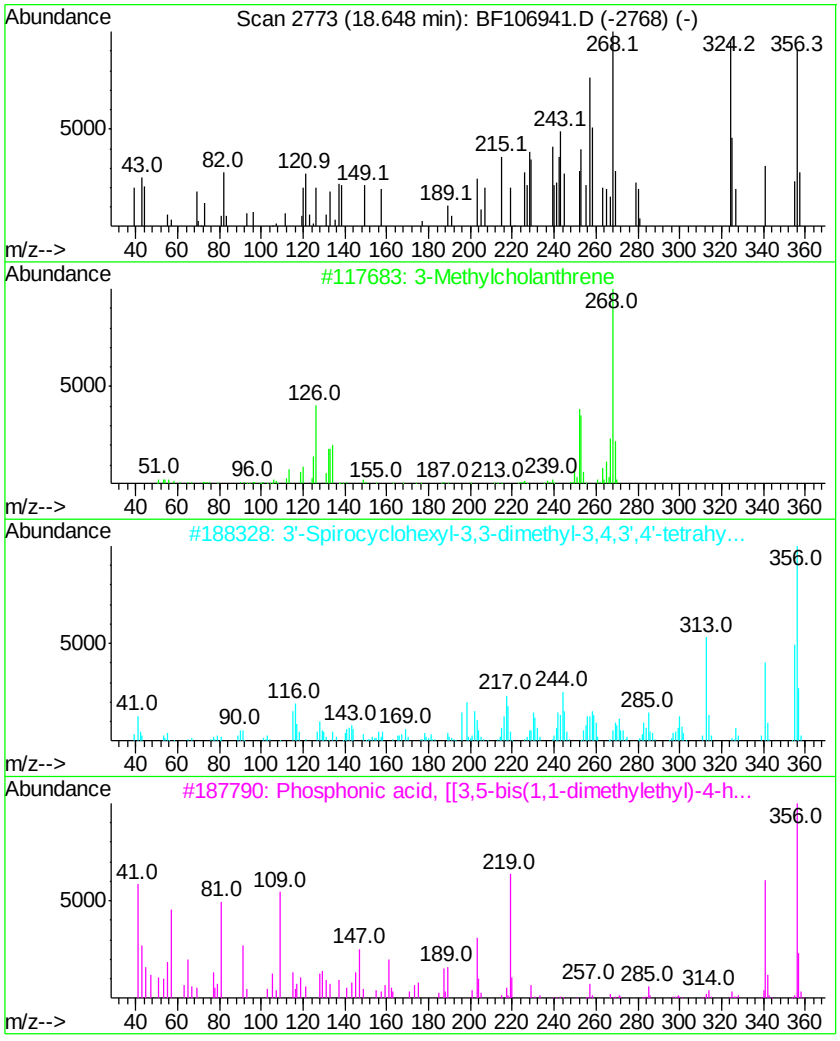
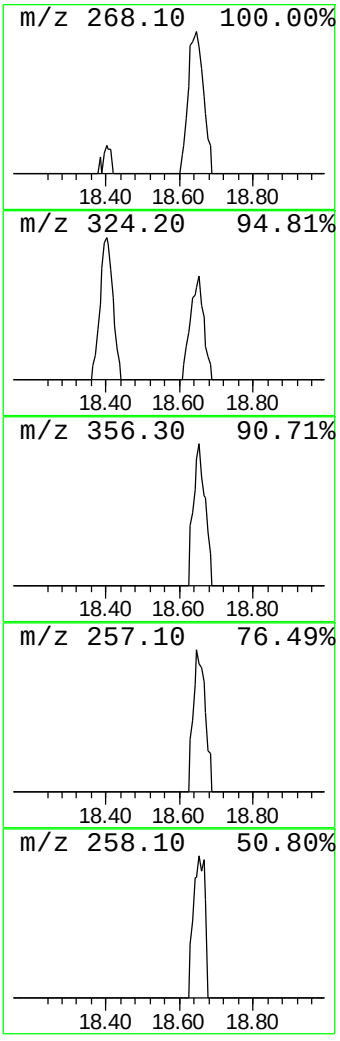
Peak Number 12 unknown18.65 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	2.97 ng	68208	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcholanthrene	268	C21H16	000056-49-5	25
2	3'-Spirocyclohexyl-3,3-dimethyl-...	356	C25H28N2	1000301-48-0	14
3	Phosphonic acid, [[3,5-bis(1,1-d...	356	C19H33O4P	000976-56-7	11
4	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	10
5	2,4,5-Triphenyl-3-nitrosopyrrole	324	C22H16N2O	075096-68-3	10





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062818\
Data File : BF106941.D
Acq On : 29 Jun 2018 00:30
Operator : JU/SJ
Sample : J3048-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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...	5.22	165.8	ng	2967190	1	6.95	357875	20.0
unknown6.72	6.72	32.8	ng	586284	1	6.95	357875	20.0
4H-Cyclopenta[def...	12.10	2.1	ng	37128	4	11.48	351390	20.0
Acridin-9-amine, ...	13.44	2.8	ng	93732	5	14.14	661509	20.0
Cyclohexadecane	13.95	3.9	ng	130085	5	14.14	661509	20.0
Tricosane	14.58	2.3	ng	75372	5	14.14	661509	20.0
Benzo[e]pyrene	15.54	3.1	ng	70643	6	15.67	459437	20.0
Dibenzo[def,mno]c...	17.24	3.8	ng	87044	6	15.67	459437	20.0
unknown17.68	17.68	2.9	ng	65736	6	15.67	459437	20.0
unknown18.65	18.65	3.0	ng	68208	6	15.67	459437	20.0