

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107946.D
 Acq On : 3 Aug 2018 19:06
 Operator : JU/SJ
 Sample : J4316-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T40-CLAY-1

Manual Integrations
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Quant Time: Aug 04 00:20:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	118594	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	522769	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	236634	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	461273	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	319260	20.00	ng	-0.01
86) Perylene-d12	15.67	264	347758	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	913261	130.88	ng	0.00
7) Phenol-d6	6.60	99	1228683	133.60	ng	0.00
23) Nitrobenzene-d5	7.52	82	758258	83.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	355842	110.67	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	1413074	83.21	ng	-0.01
78) Terphenyl-d14	13.07	244	1126185	76.49	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.70	163	178214	10.028	ng	98
70) Phenanthrene	11.51	178	144069	6.578	ng	98
71) Anthracene	11.57	178	63976m	2.532	ng	
74) Fluoranthene	12.71	202	239503	9.308	ng	96
77) Pyrene	12.94	202	171228	7.448	ng	95
80) Benzo(a)anthracene	14.13	228	80968	4.477	ng	97
82) Chrysene	14.17	228	74511	3.820	ng	97
85) Indeno(1,2,3-cd)pyrene	17.26	276	33281m	2.243	ng	
87) Benzo(b)fluoranthene	15.22	252	74884m	4.366	ng	
89) Benzo(a)pyrene	15.61	252	64435	3.639	ng	98
91) Benzo(g,h,i)perylene	17.75	276	32089	2.147	ng	# 91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

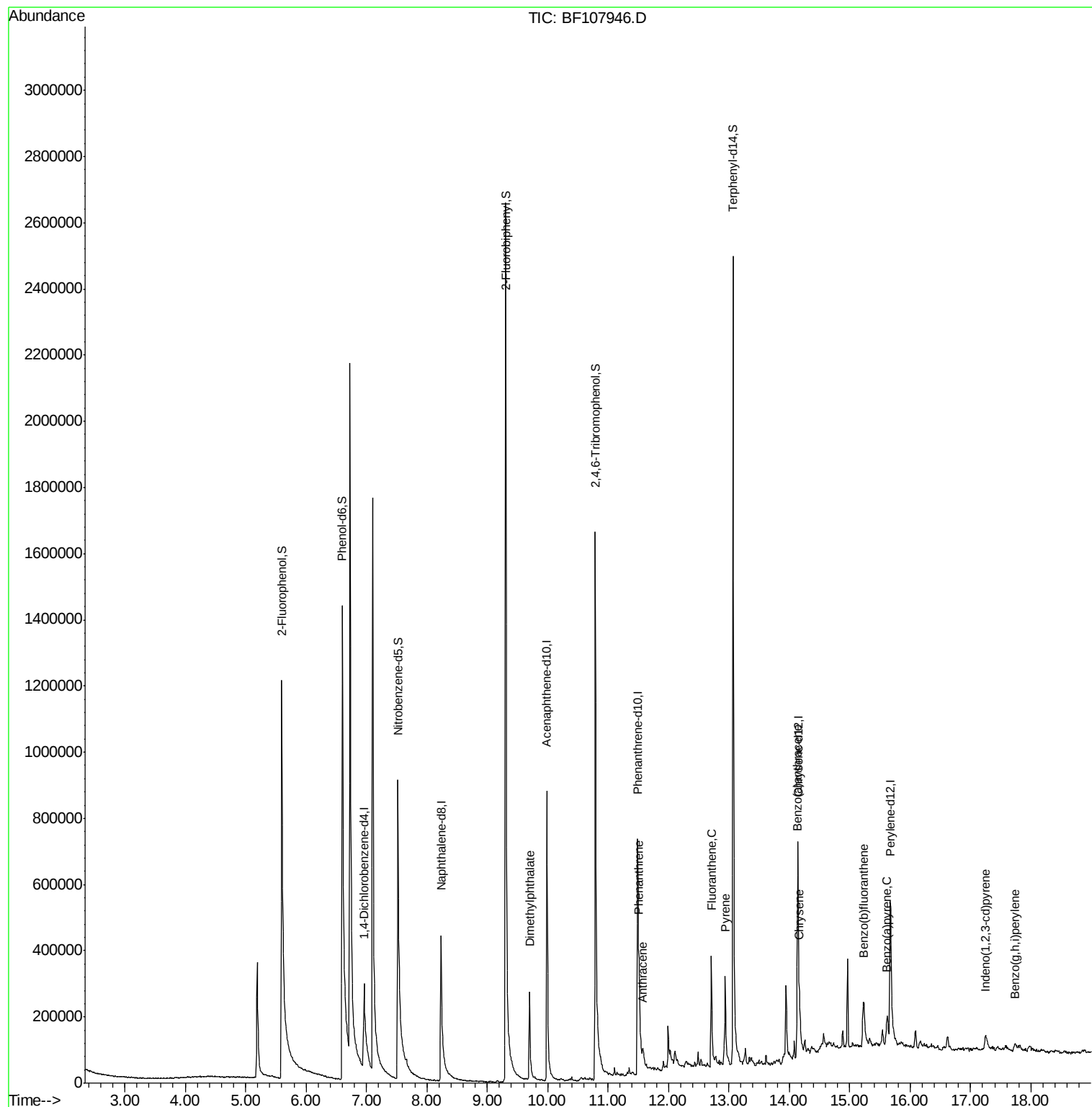
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107946.D
Acq On : 3 Aug 2018 19:06
Operator : JU/SJ
Sample : J4316-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

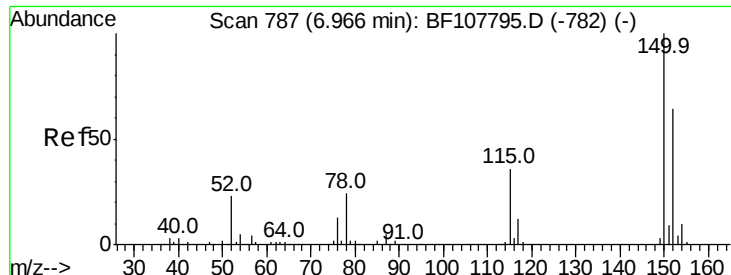
Instrument :
BNA_F
ClientSampleId :
T40-CLAY-1

Quant Time: Aug 04 00:20:19 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 17:48:53 2018
Response via : Initial Calibration

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#1

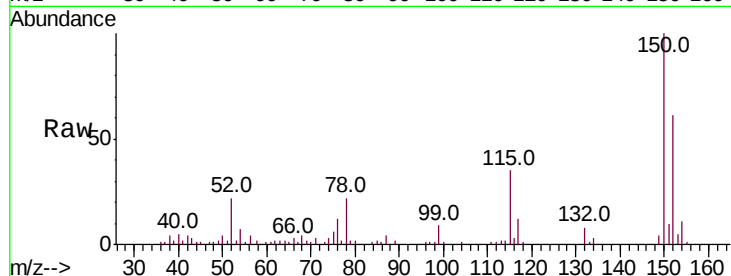
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107946.D
Acq: 3 Aug 2018 19:06

Instrument :
BNA_F
ClientSampleId :
T40-CLAY-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.7	124.6	186.8
115	57.5	50.1	75.1

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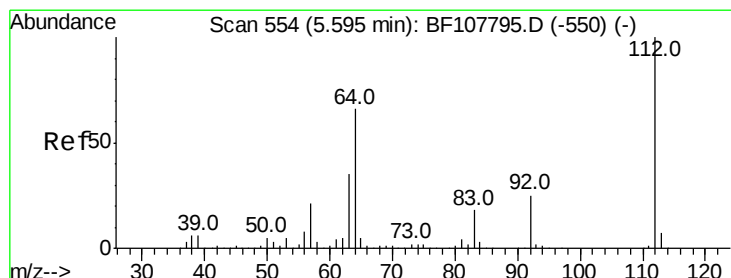
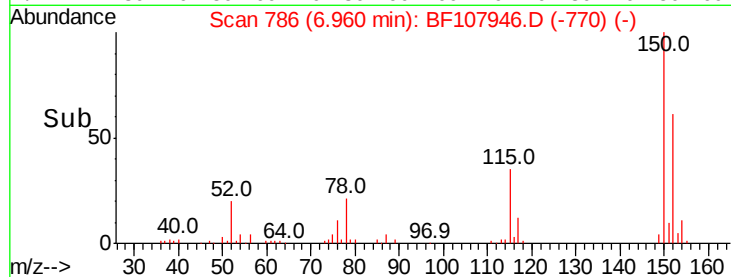
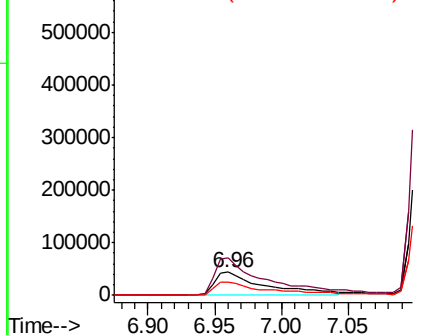


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

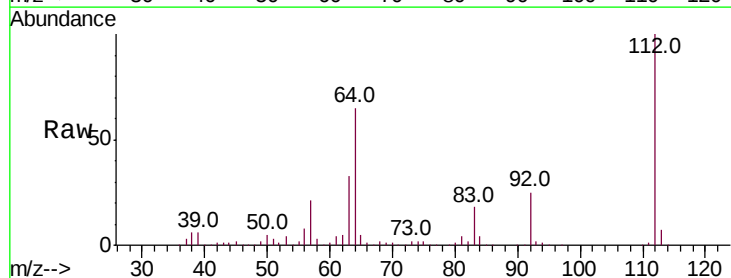
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 130.878 ng
RT: 5.60 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF107946.D
Acq: 3 Aug 2018 19:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	47.9	71.9
63	32.8	23.7	35.5

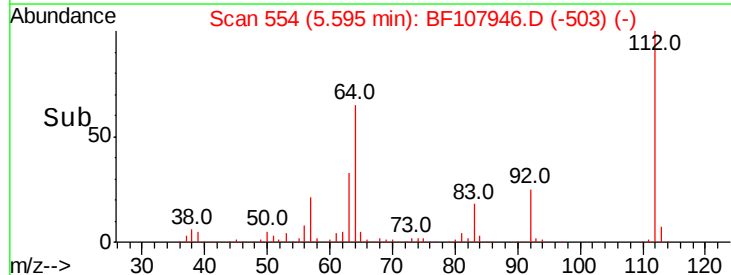
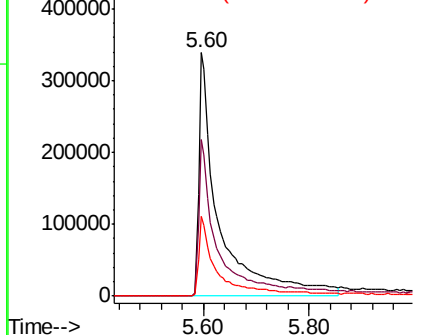


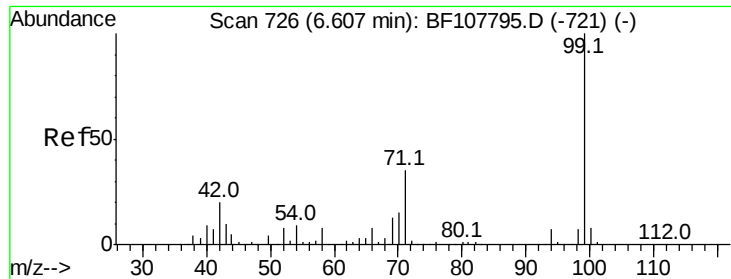
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 133.602 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107946.D

Acq: 3 Aug 2018 19:06

Instrument :

BNA_F

ClientSampled :

T40-CLAY-1

Tot Ion: 99 Resp: 1228683

Ion Ratio Lower Upper

99 100

42 18.0 14.5 21.7

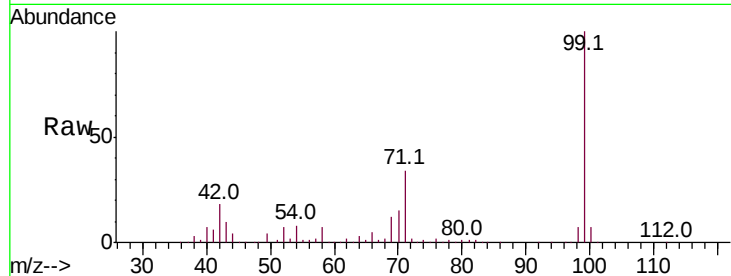
71 33.9 25.4 38.0

Manual Integrations

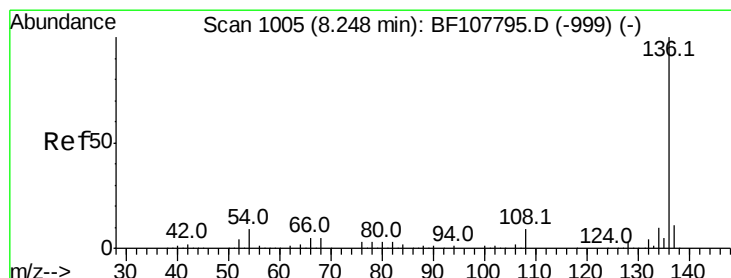
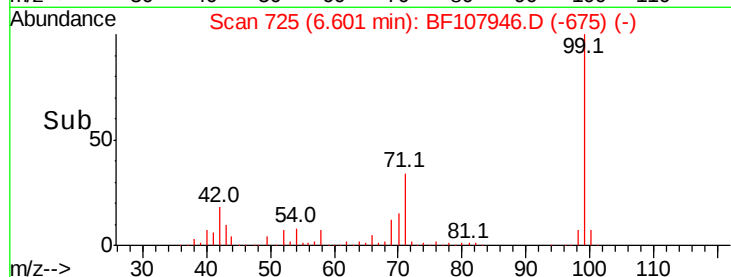
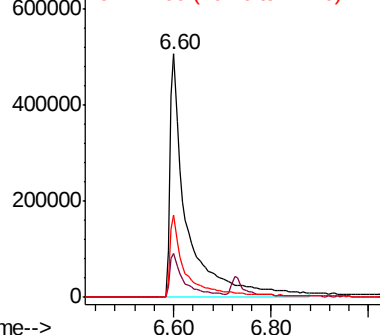
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107946.D

Acq: 3 Aug 2018 19:06

Tgt Ion: 136 Resp: 522769

Ion Ratio Lower Upper

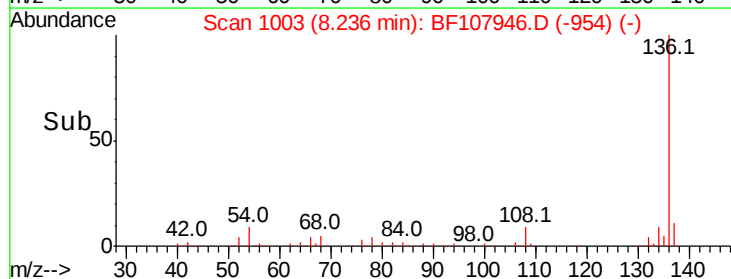
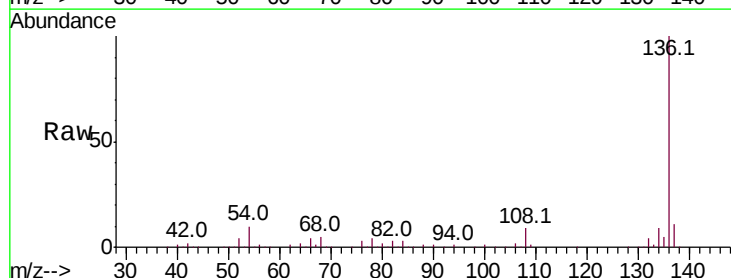
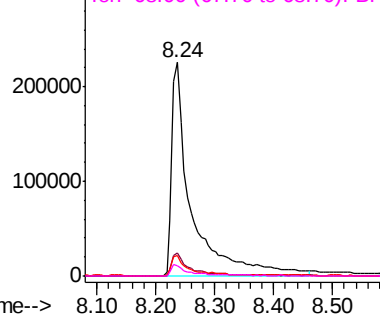
136 100

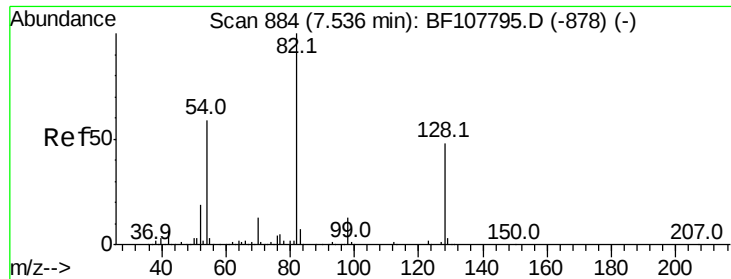
137 10.8 8.9 13.3

54 9.6 6.6 9.8

68 5.0 5.0 7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





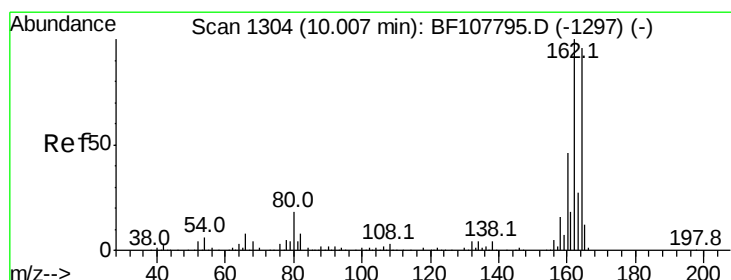
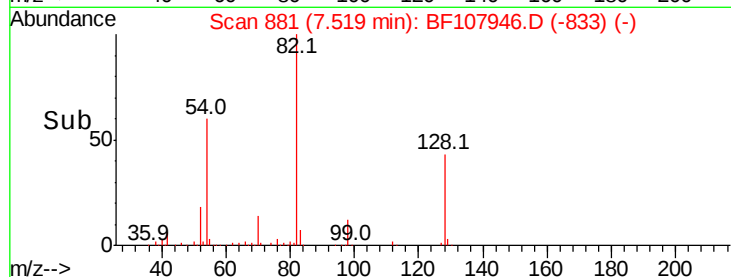
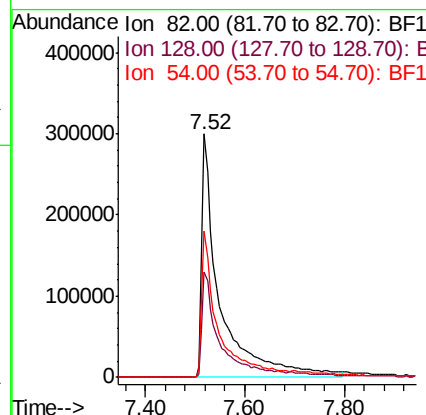
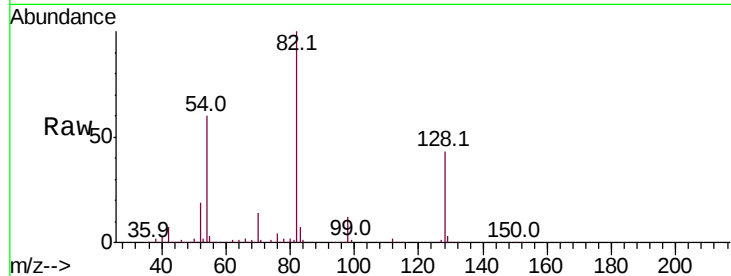
#23
Nitrobenzene-d5
Concen: 83.562 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF107946.D
Acq: 3 Aug 2018 19:06

Instrument :
BNA_F
ClientSampleId :
T40-CLAY-1

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.3	36.1	54.1	
54	60.3	41.4	62.2	

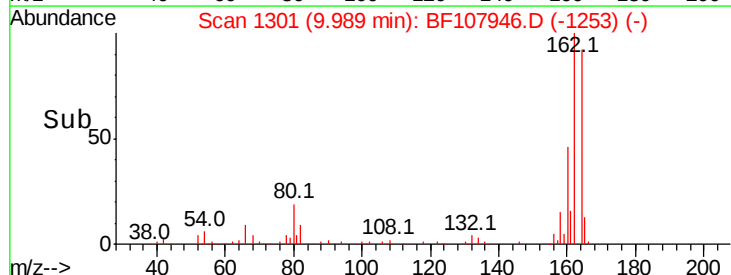
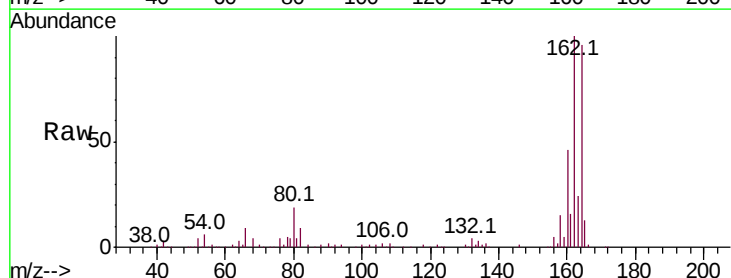
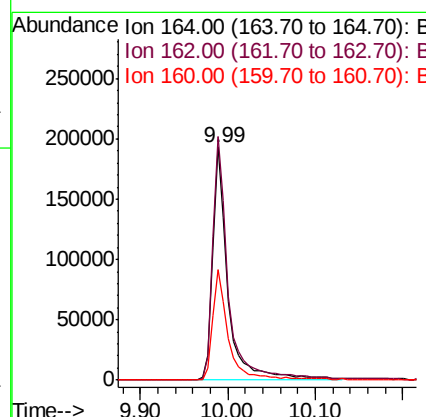
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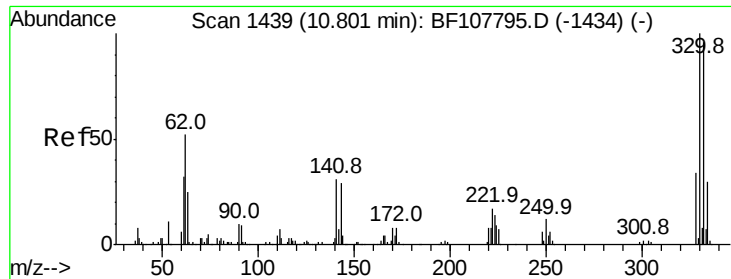
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107946.D
Acq: 3 Aug 2018 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.5	86.1	129.1	
160	47.6	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 110.669 ng

RT: 10.79 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF107946.D

Acq: 3 Aug 2018 19:06

Instrument :

BNA_F

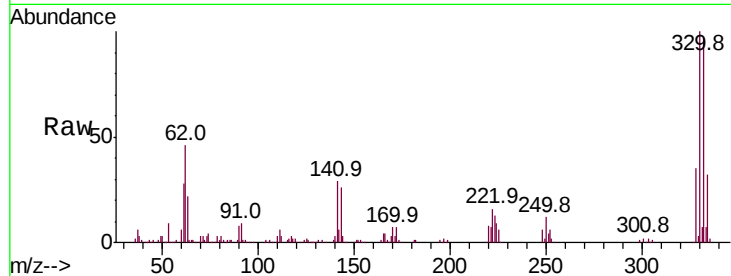
ClientSampleId :

T40-CLAY-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	77.0	115.6	
141	29.4	29.9	44.9	

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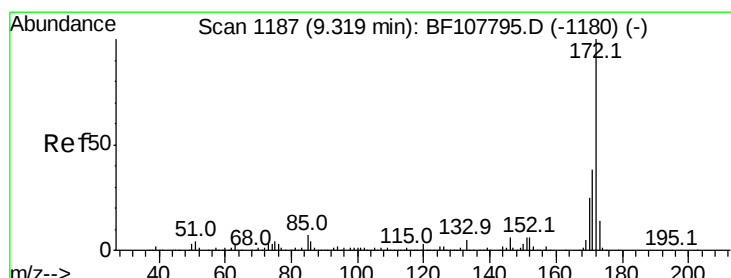
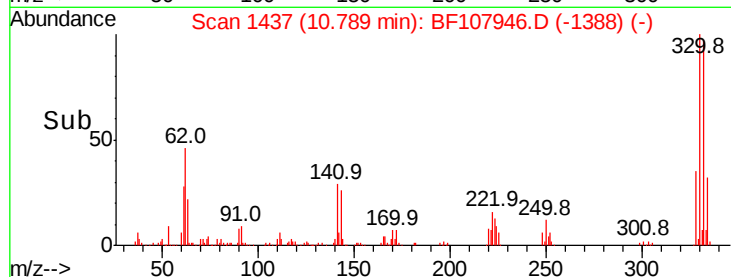
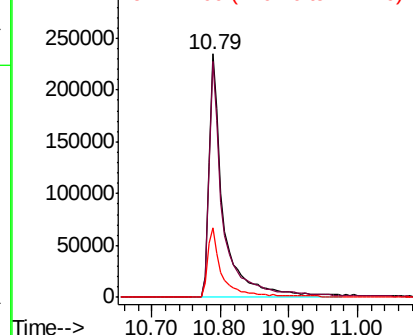


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 83.213 ng

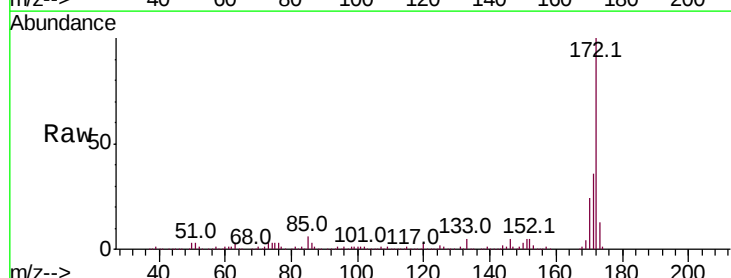
RT: 9.31 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF107946.D

Acq: 3 Aug 2018 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.7	44.5	
170	24.2	19.6	29.4	

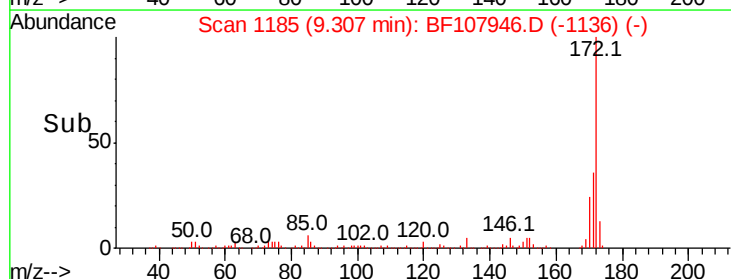
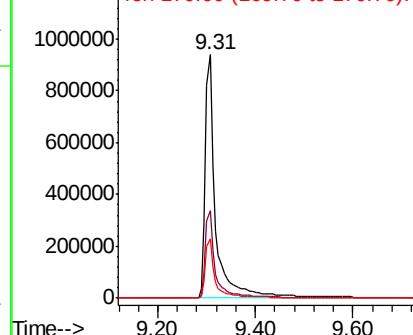


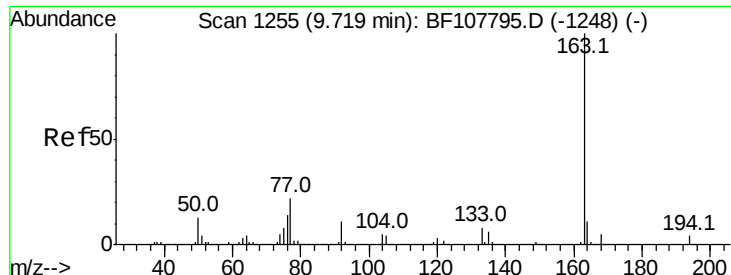
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





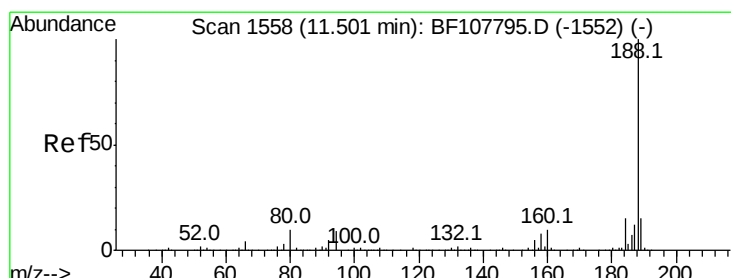
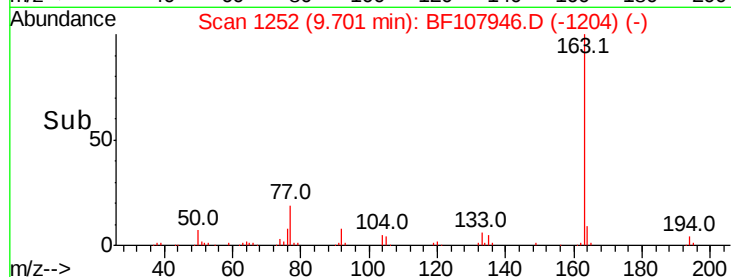
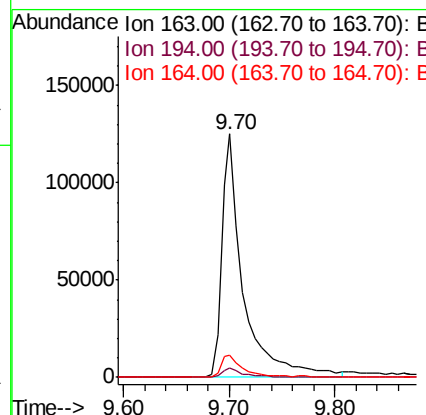
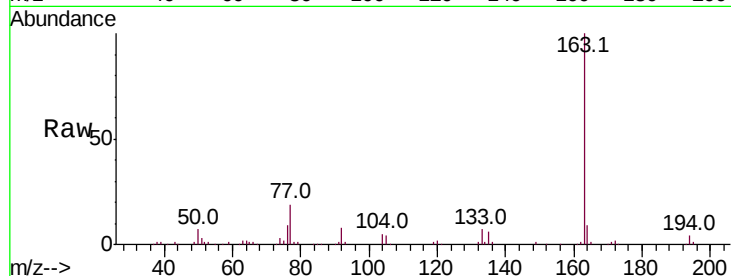
#49
Dimethylphthalate
Concen: 10.028 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107946.D
Acq: 3 Aug 2018 19:06

Instrument :
BNA_F
ClientSampleId :
T40-CLAY-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	178214		
194	3.8	2.7	4.1	
164	9.3	8.2	12.2	

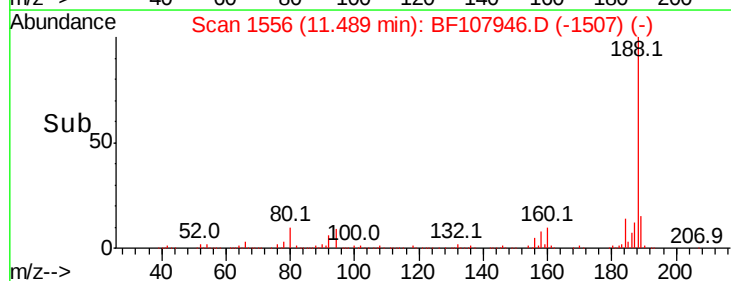
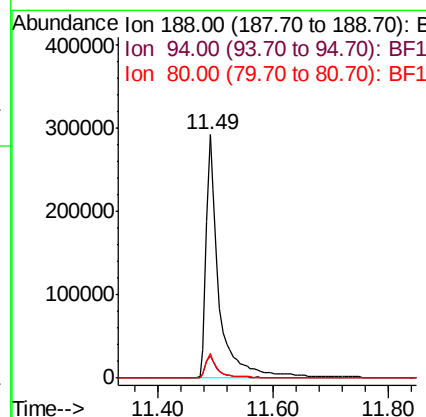
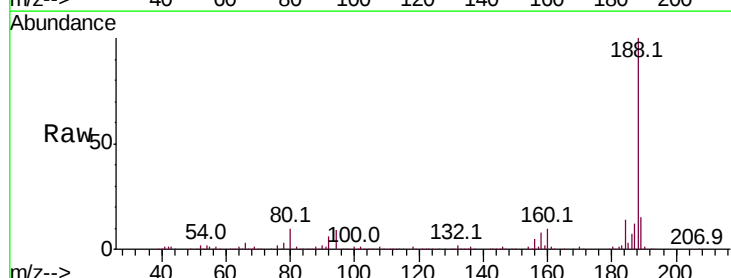
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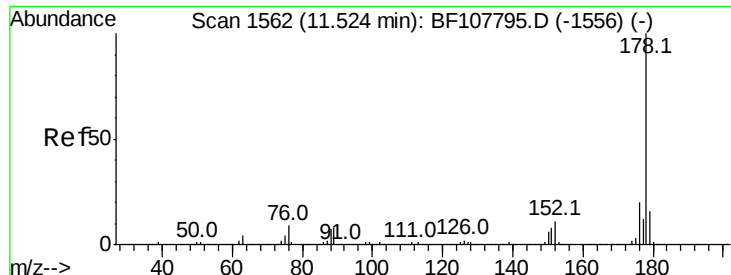
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107946.D
Acq: 3 Aug 2018 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	461273		
94	9.2	8.5	12.7	
80	10.0	9.2	13.8	





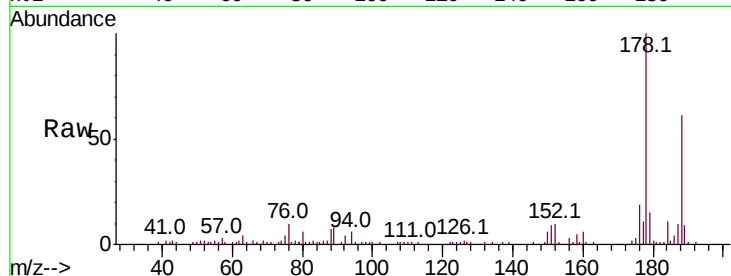
#70
Phenanthrene
Concen: 6.578 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107946.D
Acq: 3 Aug 2018 19:06

Instrument :
BNA_F
ClientSampleId :
T40-CLAY-1

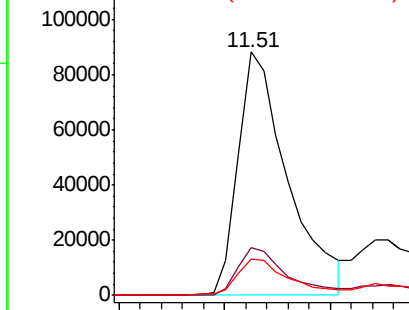
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	14.6	13.0	19.6

Manual Integrations
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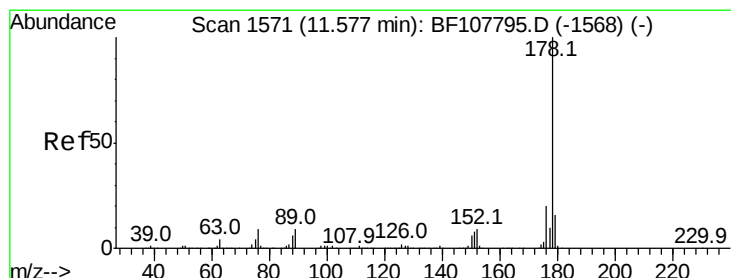
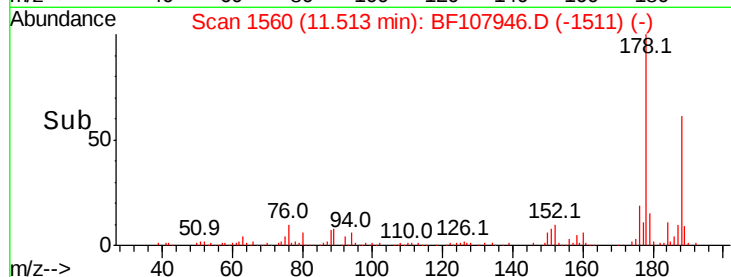
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



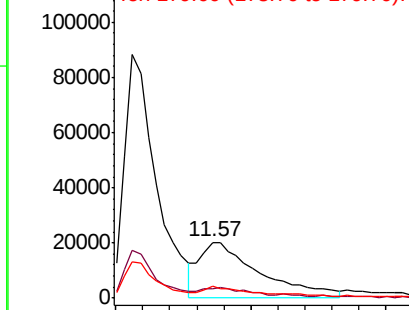
Time--> 11.45 11.50 11.55



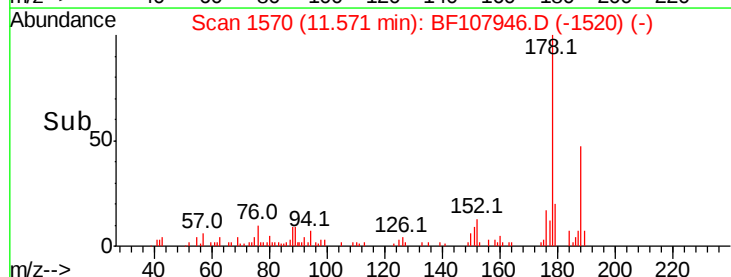
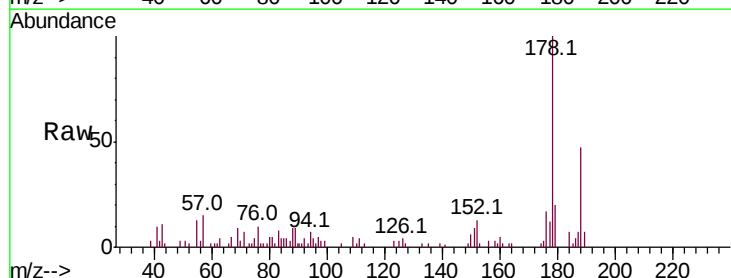
#71
Anthracene
Concen: 2.532 ng m
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF107946.D
Acq: 3 Aug 2018 19:06

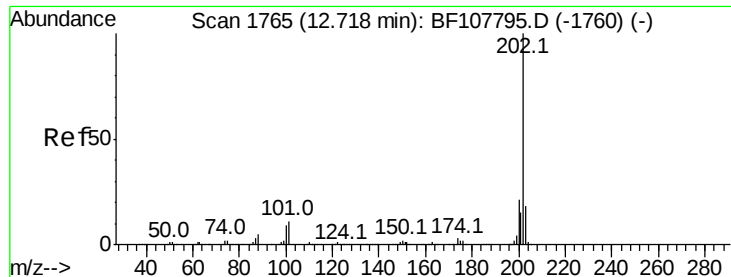
Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	20.5	12.6	19.0#

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time--> 11.50 11.60 11.70





#74

Fluoranthene

Concen: 9.308 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF107946.D

Acq: 3 Aug 2018 19:06

Instrument :

BNA_F

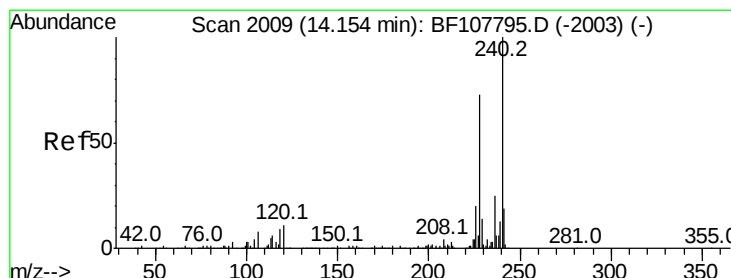
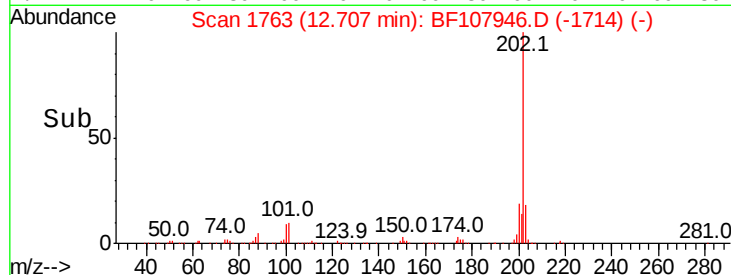
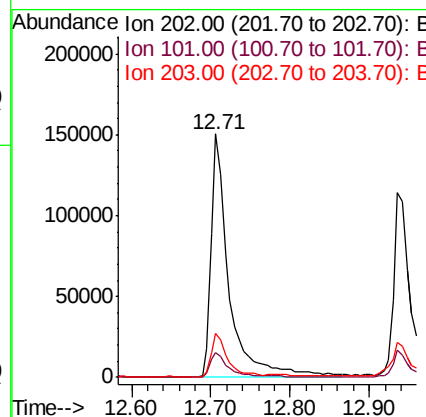
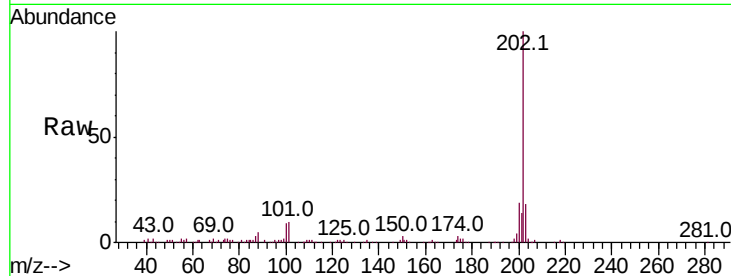
ClientSampleId :

T40-CLAY-1

Tot Ion:	202	Resp:	239503
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	34.1
203	17.8	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

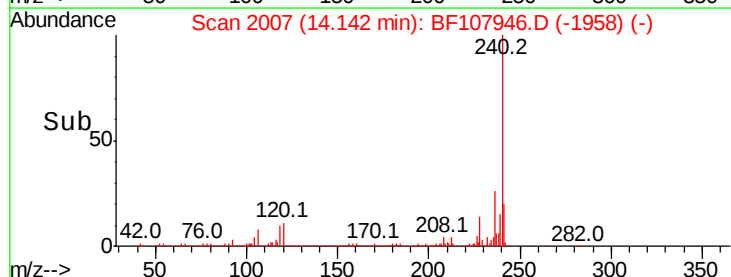
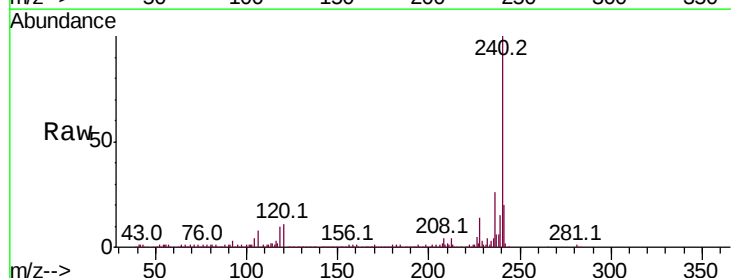
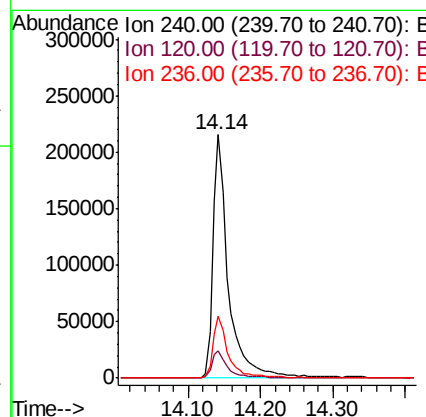
RT: 14.14 min Scan# 2007

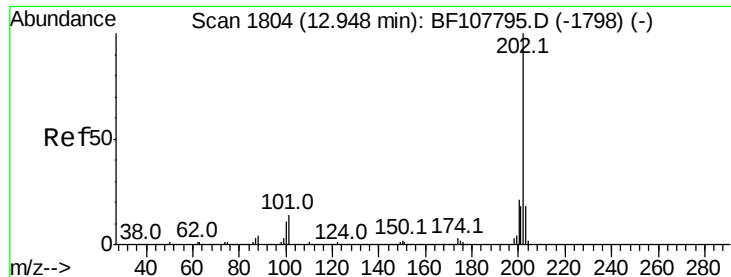
Delta R.T. -0.01 min

Lab File: BF107946.D

Acq: 3 Aug 2018 19:06

Tgt Ion:	240	Resp:	319260
Ion Ratio	Lower	Upper	
240	100		
120	11.1	9.5	14.3
236	25.5	20.7	31.1





#77

Pvrene

Concen: 7.448 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107946.D

Acq: 3 Aug 2018 19:06

Instrument :

BNA_F

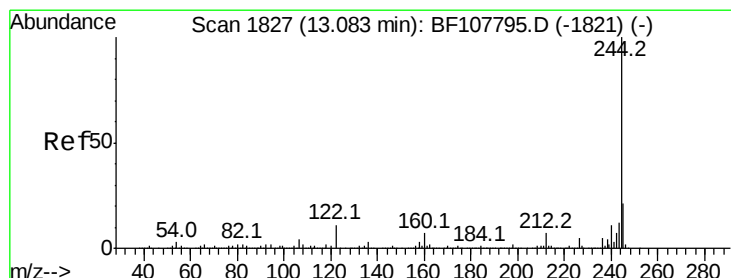
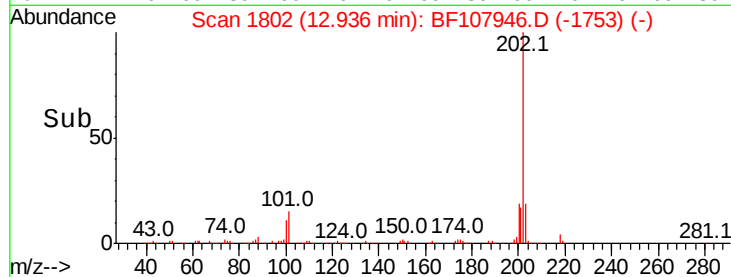
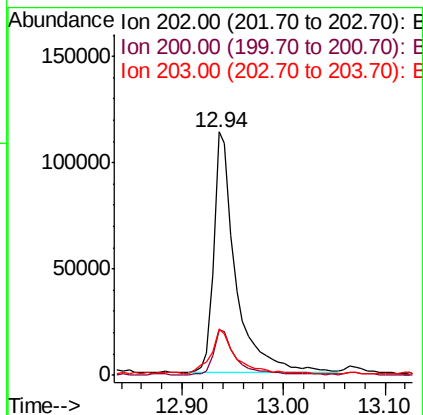
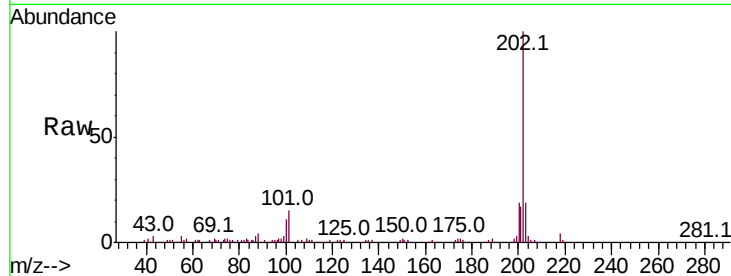
ClientSampleId :

T40-CLAY-1

Tot Ion:	202	Resp:	171228
Ion Ratio		Lower	Upper
202	100		
200	18.7	17.4	26.2
203	19.0	14.3	21.5

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#78

Terphenyl-d14

Concen: 76.491 ng

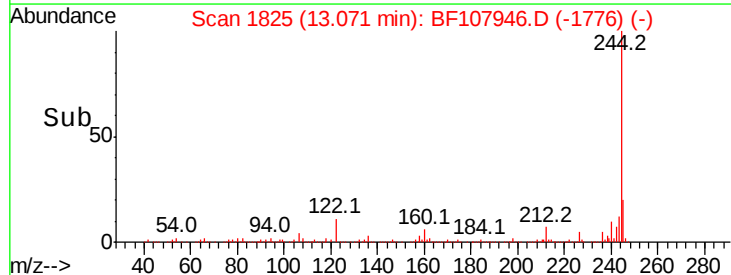
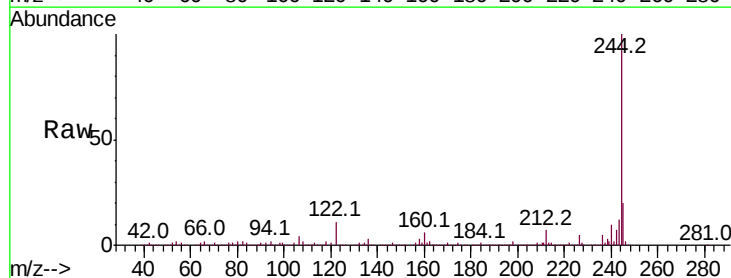
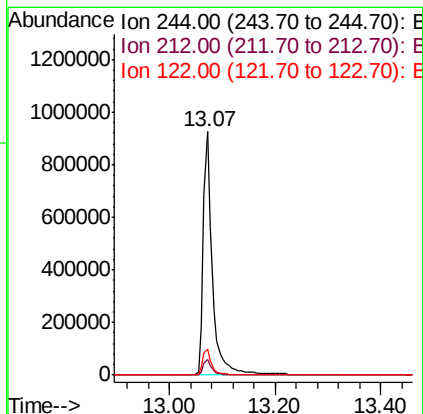
RT: 13.07 min Scan# 1825

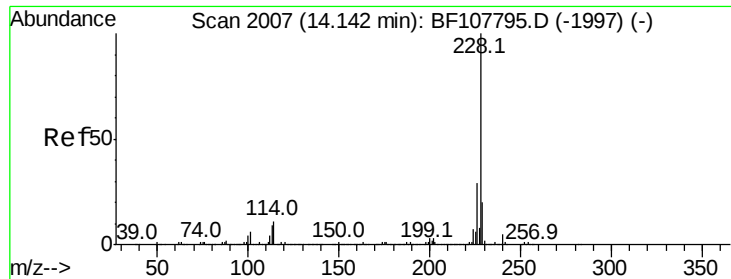
Delta R.T. -0.01 min

Lab File: BF107946.D

Acq: 3 Aug 2018 19:06

Tgt Ion:	244	Resp:	1126185
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.9	11.0	16.4#





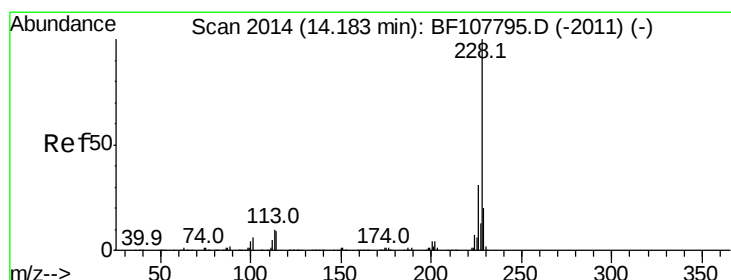
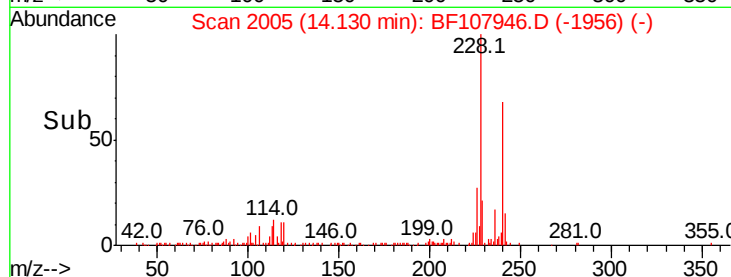
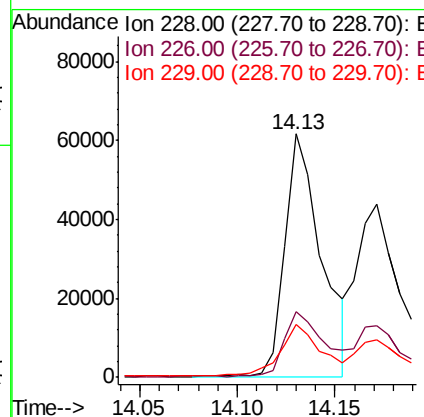
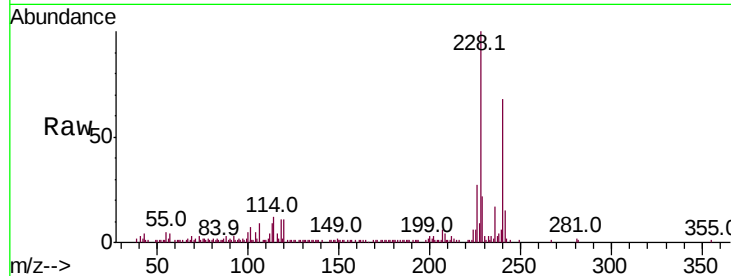
#80
Benzo(a)anthracene
Concen: 4.477 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF107946.D
Acq: 3 Aug 2018 19:06

Instrument :
BNA_F
ClientSampleId :
T40-CLAY-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	21.6	15.8	23.6

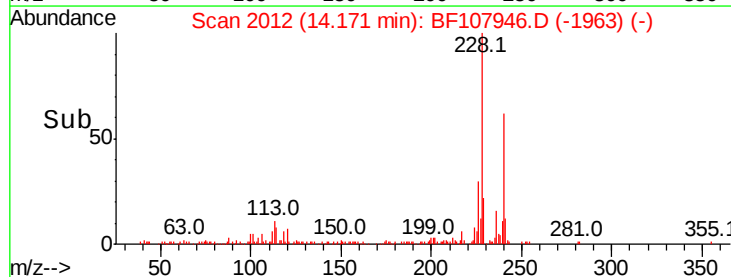
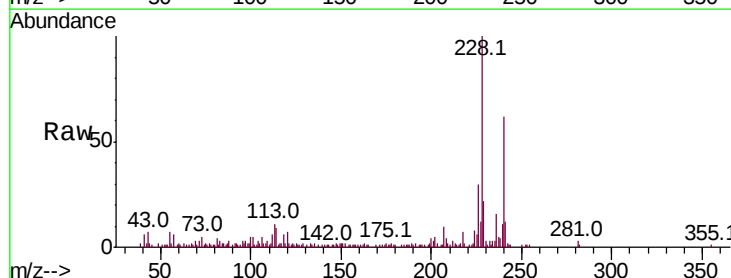
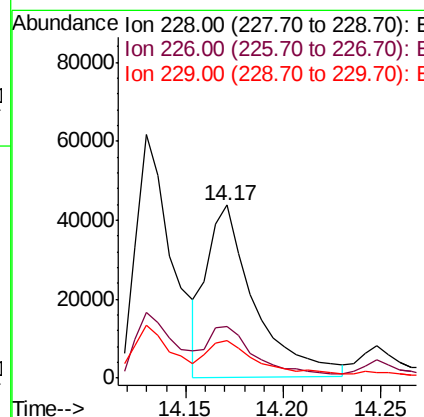
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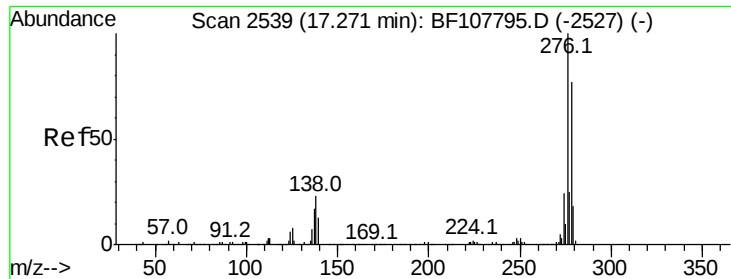
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#82
Chrysene
Concen: 3.820 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF107946.D
Acq: 3 Aug 2018 19:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	22.0	16.2	24.4





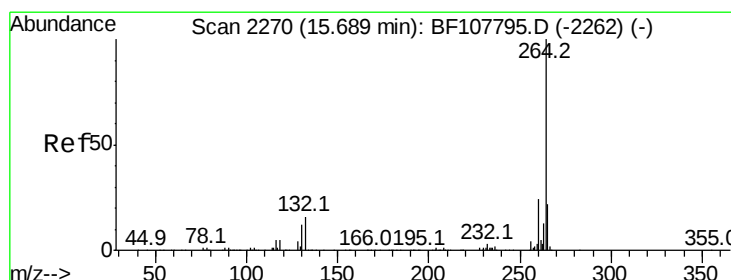
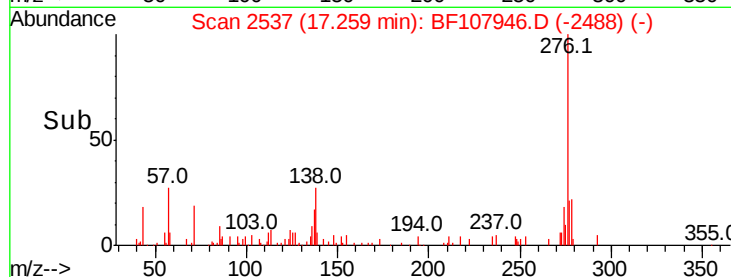
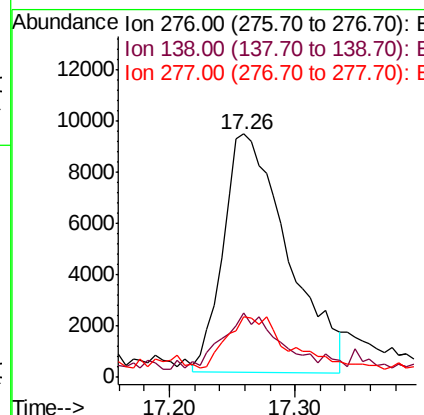
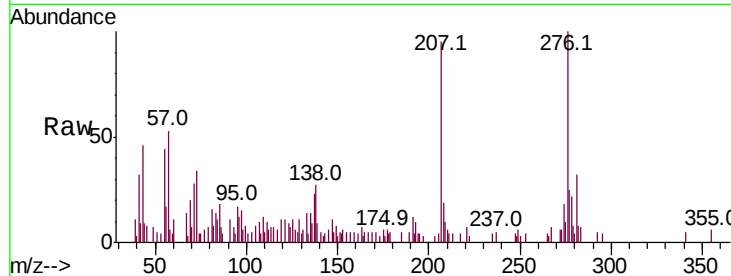
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.243 ng
RT: 17.26 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF107946.D
Acq: 3 Aug 2018 19:06

Instrument :
BNA_F
ClientSampleId :
T40-CLAY-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.9	25.0	37.6#
277	4.8	20.1	30.1#

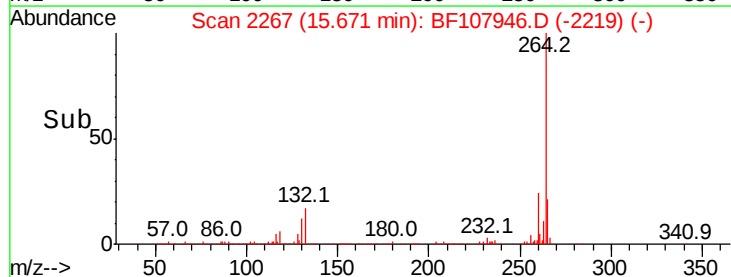
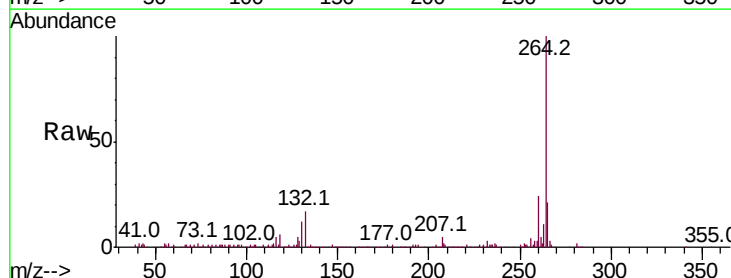
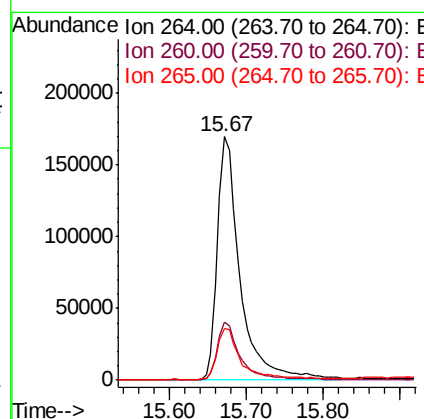
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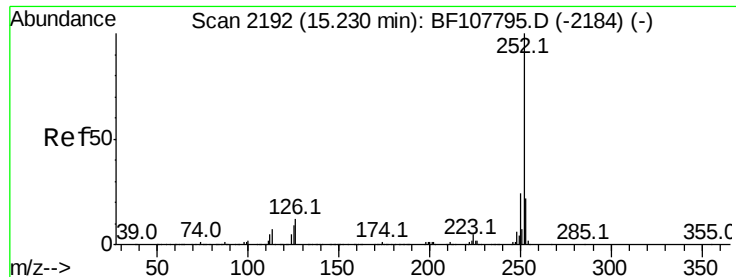
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF107946.D
Acq: 3 Aug 2018 19:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.3	17.5	26.3





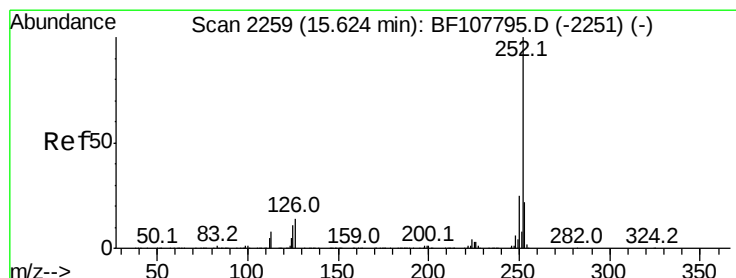
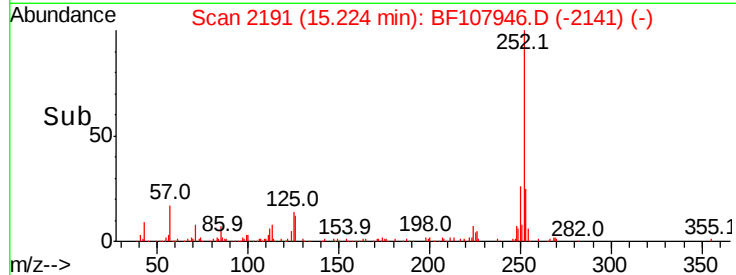
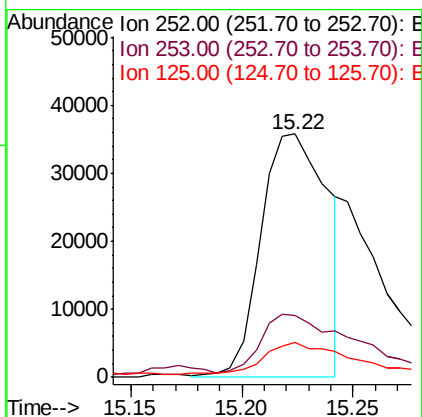
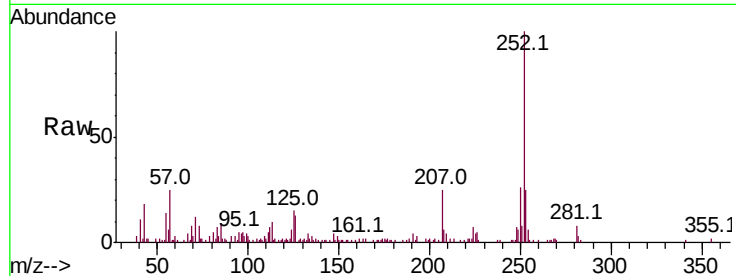
#87
Benzo(b)fluoranthene
Concen: 4.366 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF107946.D
Acq: 3 Aug 2018 19:06

Instrument :
BNA_F
ClientSampleId :
T40-CLAY-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.0	25.6
125	14.6	9.0	13.6

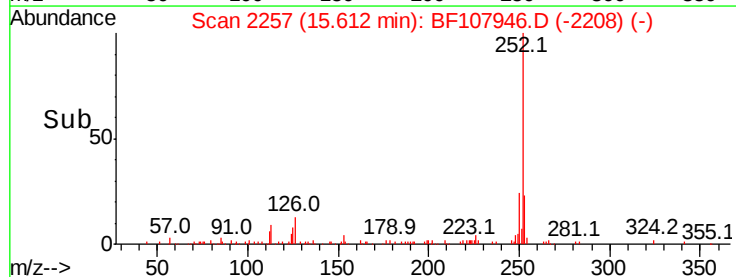
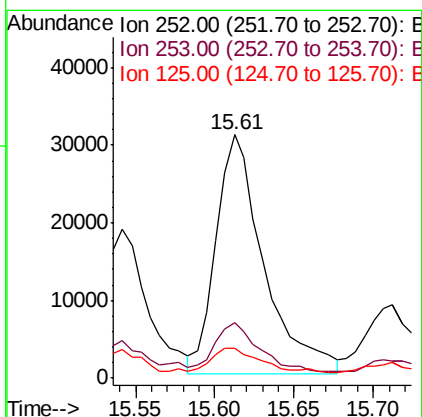
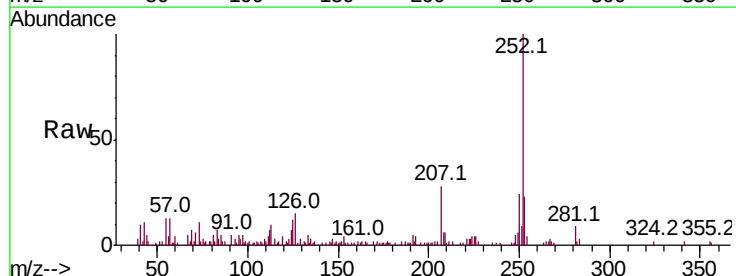
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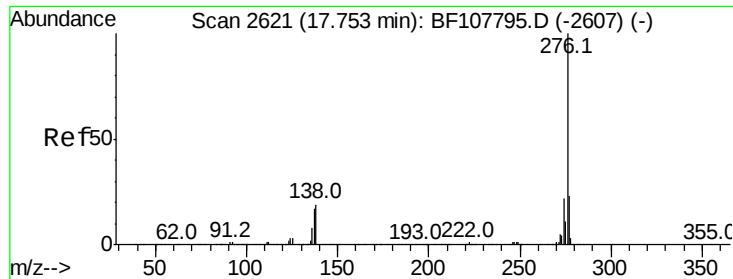
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#89
Benzo(a)pyrene
Concen: 3.639 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF107946.D
Acq: 3 Aug 2018 19:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	12.3	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.147 ng
 RT: 17.75 min Scan# 2620
 Delta R.T. -0.01 min
 Lab File: BF107946.D
 Acq: 3 Aug 2018 19:06

Instrument :
 BNA_F
 ClientSampleId :
 T40-CLAY-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.1	17.9	26.9
138	19.3	21.8	32.8

Manual Integrations
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