

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
 Data File : BF107624.D
 Acq On : 24 Jul 2018 17:38
 Operator : JU/SJ
 Sample : J4096-09 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-11

Manual Integrations
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Quant Time: Jul 25 03:36:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	241410	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	974269	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	391085	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	676864	20.00	ng	0.00
75) Chrysene-d12	14.16	240	504553	20.00	ng	0.00
86) Perylene-d12	15.69	264	458400	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	296921	19.78	ng	0.00
7) Phenol-d6	6.60	99	419274	23.26	ng	-0.01
23) Nitrobenzene-d5	7.53	82	241255	16.71	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	82812	18.62	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	417633	11.57	ng	-0.02
78) Terphenyl-d14	13.08	244	315366	16.00	ng	-0.02
Target Compounds						
70) Phenanthrene	11.53	178	1122859	34.043	ng	Qvalue 99
71) Anthracene	11.58	178	116788	3.517	ng	97
72) Carbazole	11.74	167	147707	4.277	ng	98
74) Fluoranthene	12.73	202	2325309	65.698	ng	96
77) Pyrene	12.96	202	1873875	54.296	ng	98
80) Benzo(a)anthracene	14.15	228	732559	24.776	ng	97
82) Chrysene	14.18	228	1036252	36.484	ng	98
83) Bis(2-ethylhexyl)phthalate	14.11	149	68983	3.294	ng	# 99
85) Indeno(1,2,3-cd)pyrene	17.27	276	412092	17.119	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	1116084m	44.487	ng	
88) Benzo(k)fluoranthene	15.26	252	415135m	16.890	ng	
89) Benzo(a)pyrene	15.62	252	647754	28.226	ng	97
90) Dibenzo(a,h)anthracene	17.28	278	85043	4.287	ng	# 93
91) Benzo(a,h,i)perylene	17.75	276	387517	19.804	ng	# 91

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

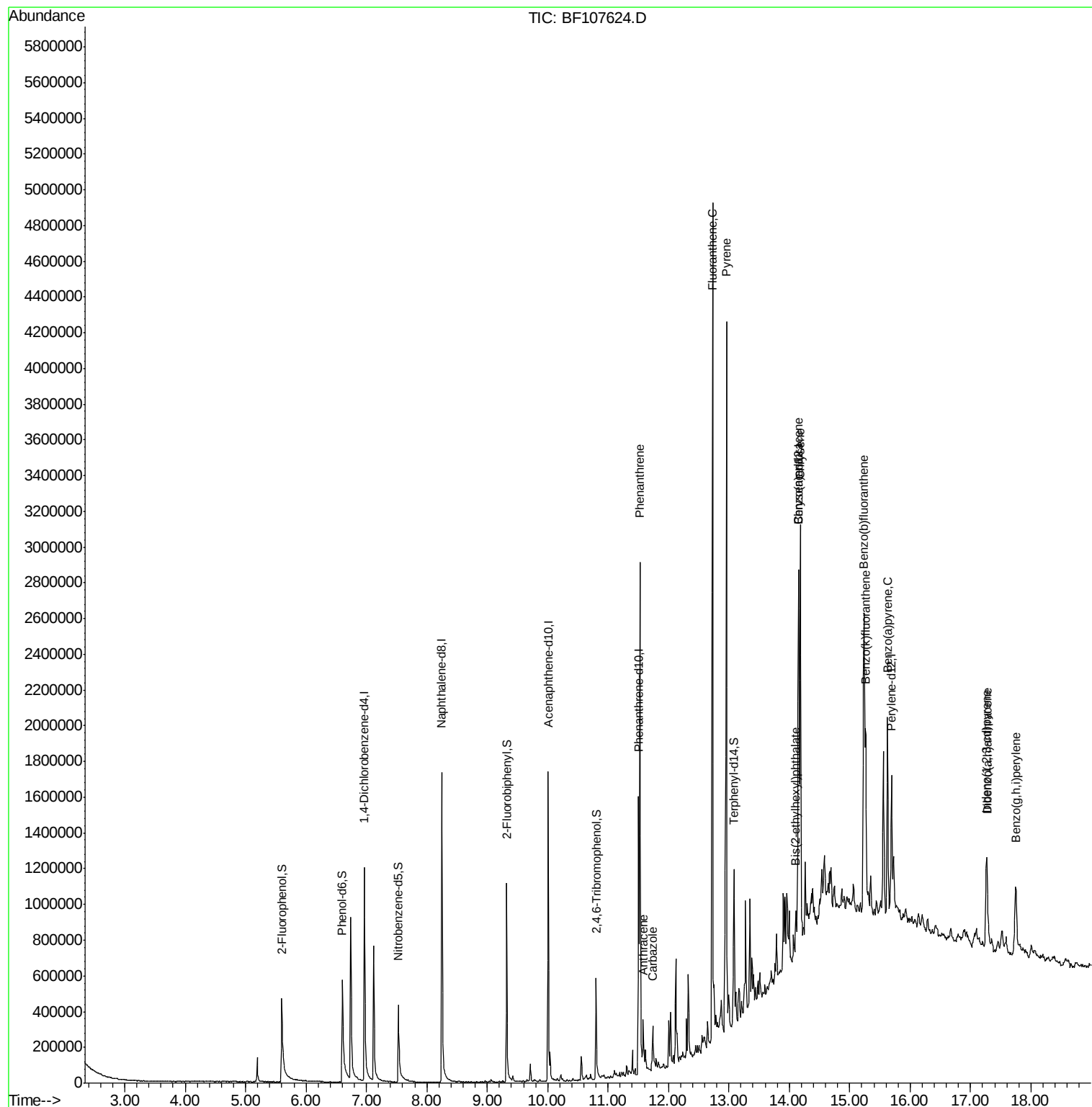
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107624.D
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ALS Vial : 13 Sample Multiplier: 1

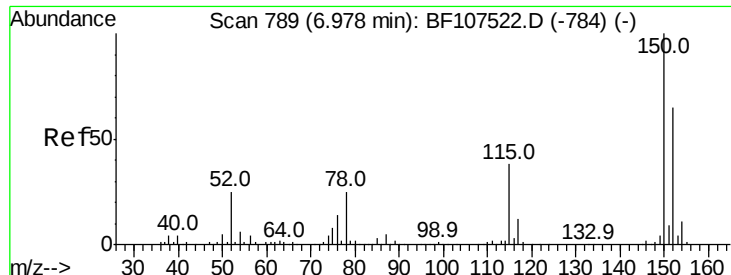
Instrument :
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DW-11

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

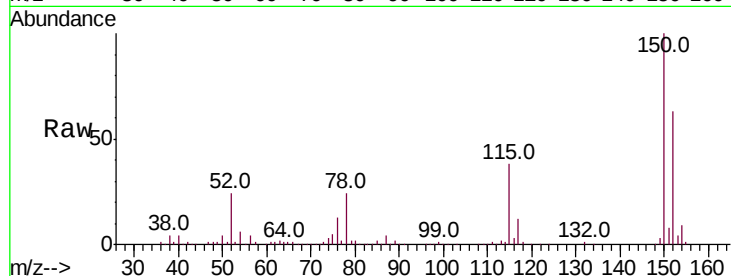
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

Instrument :
BNA_F
ClientSampled :
DW-11

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.6	186.8
115	61.3	50.1	75.1

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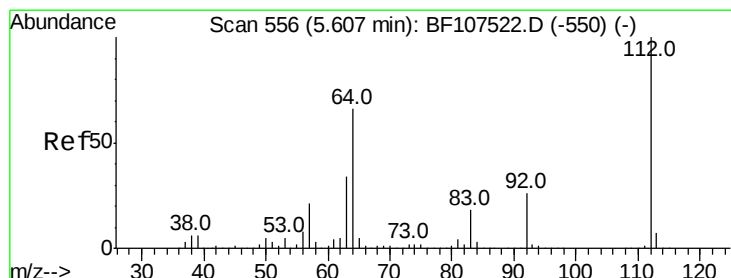
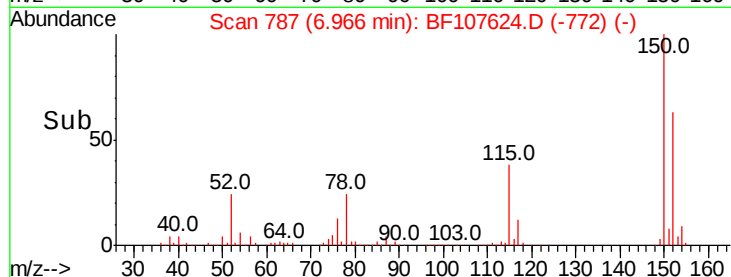
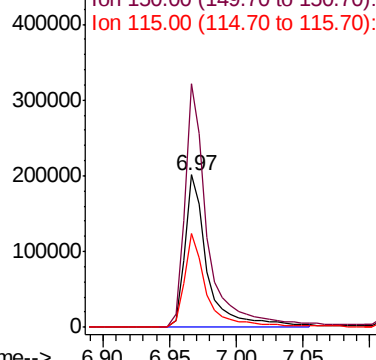


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

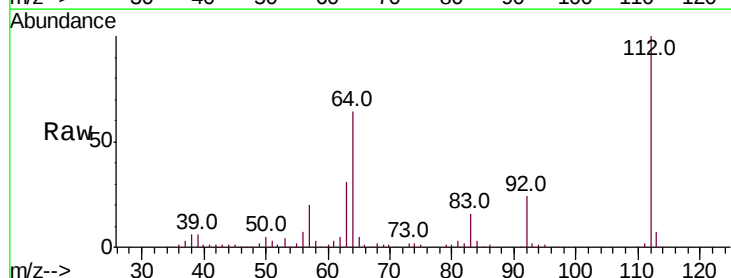
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 19.775 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.2	47.9	71.9
63	31.1	23.7	35.5

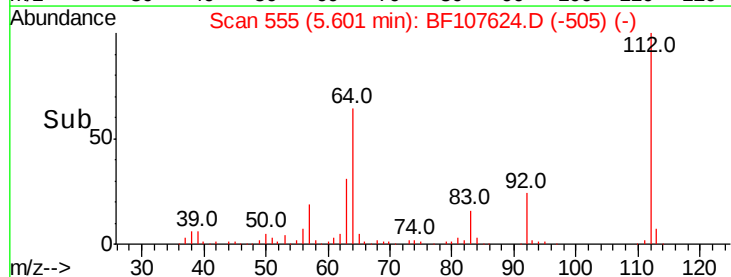
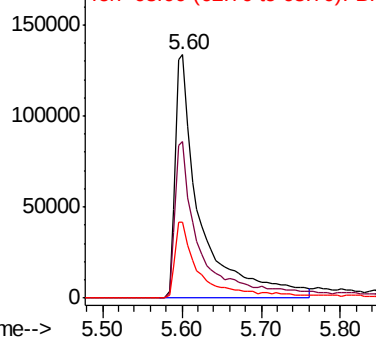


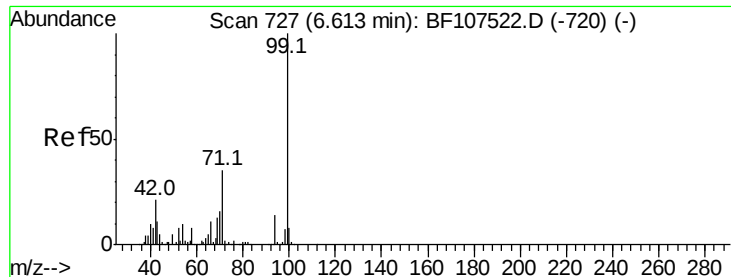
Abundance

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: 23.256 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107624.D

Acq: 24 Jul 2018 17:38

Instrument :

BNA_F

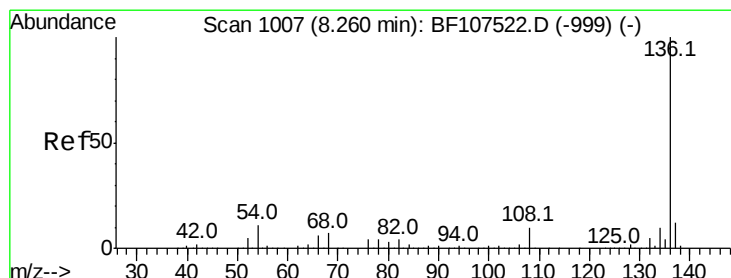
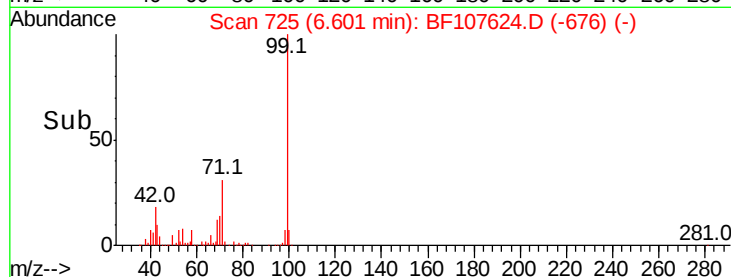
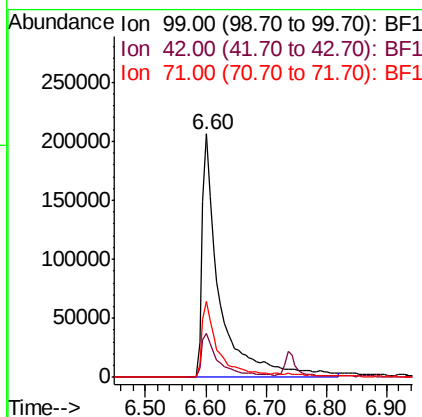
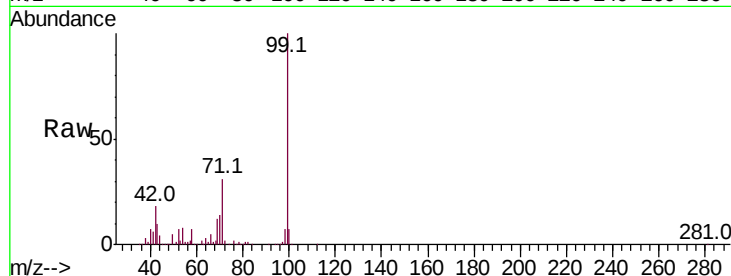
ClientSampled :

DW-11

Tot Ion:	99	Resp:	419274
Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.5	21.7
71	31.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

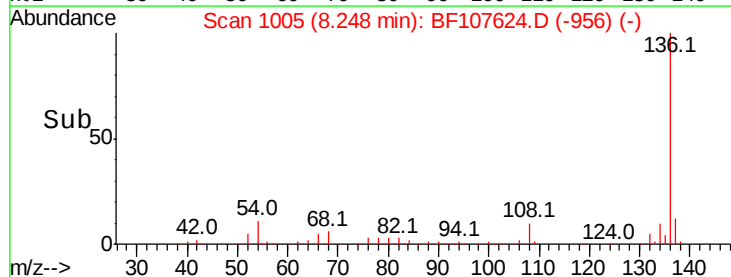
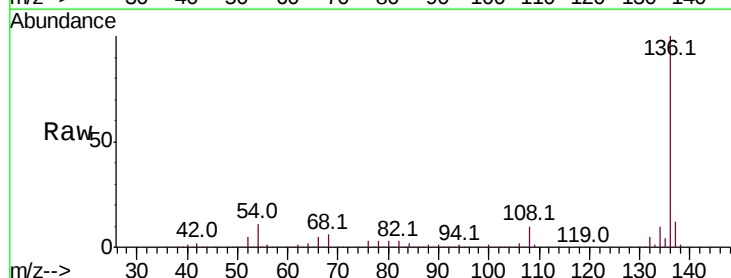
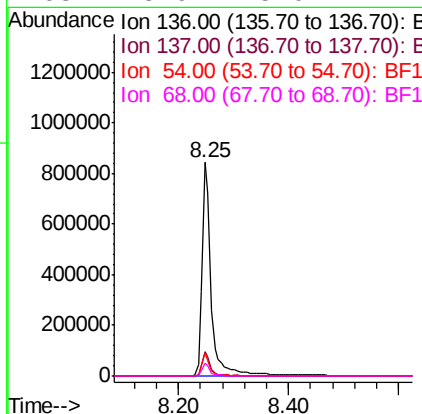
RT: 8.25 min Scan# 1005

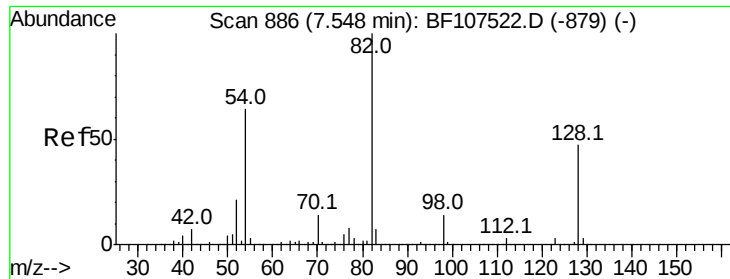
Delta R.T. -0.01 min

Lab File: BF107624.D

Acq: 24 Jul 2018 17:38

Tgt Ion:	136	Resp:	974269
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	10.5	6.6	9.8#
68	5.9	5.0	7.4





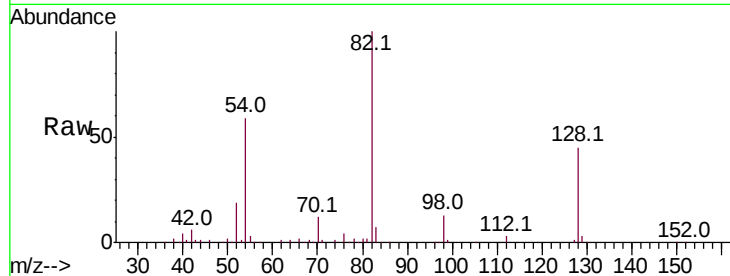
#23
 Nitrobenzene-d5
 Concen: 16.712 ng
 RT: 7.53 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF107624.D
 Acq: 24 Jul 2018 17:38

Instrument :
 BNA_F
 ClientSampleId :
 DW-11

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.1	54.1
54	58.5	41.4	62.2

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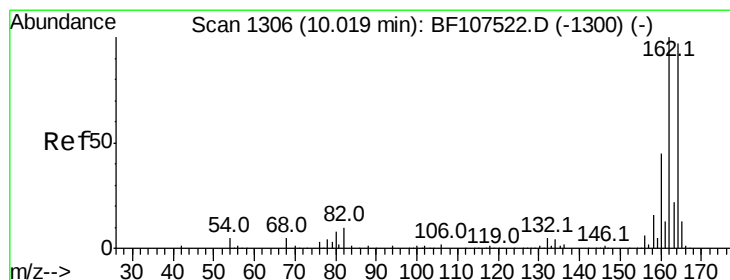
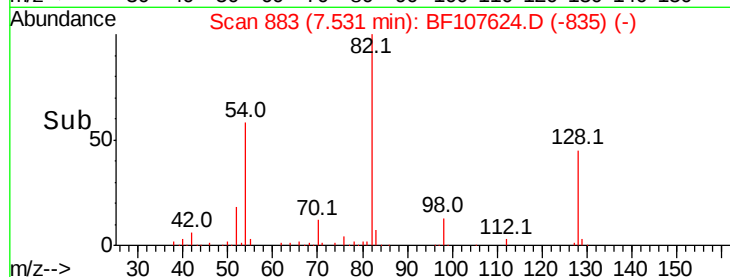
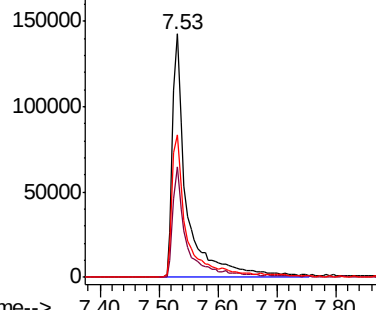


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF107624.D
 Acq: 24 Jul 2018 17:38

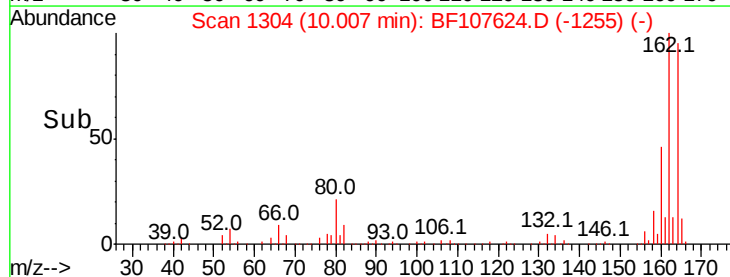
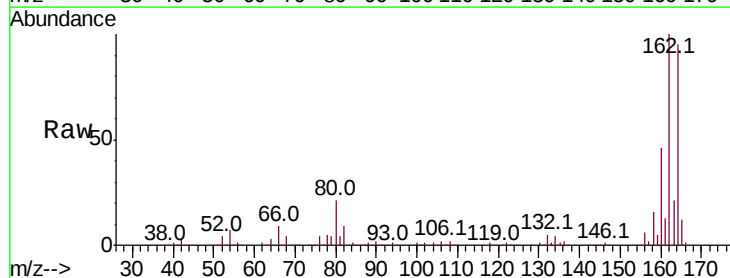
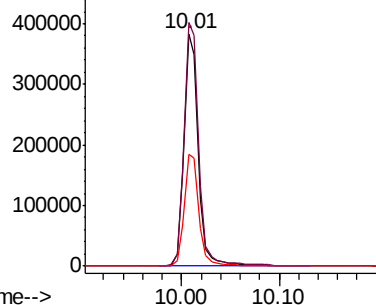
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	86.1	129.1
160	48.1	38.3	57.5

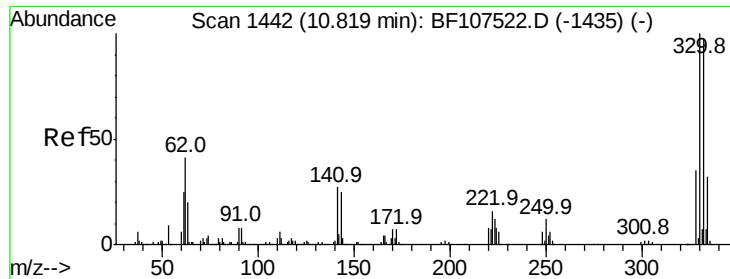
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





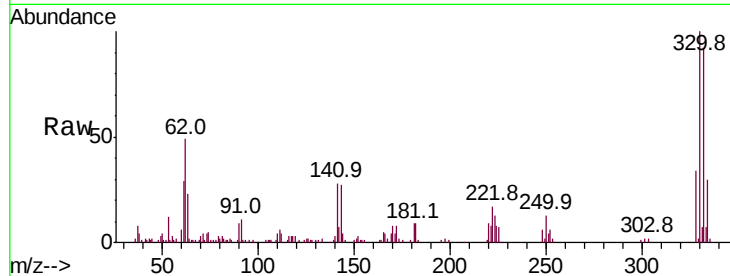
#41
 2,4,6-Tribromophenol
 Concen: 18.621 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107624.D
 Acq: 24 Jul 2018 17:38

Instrument :
 BNA_F
 ClientSampled :
 DW-11

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	30.9	29.9	44.9

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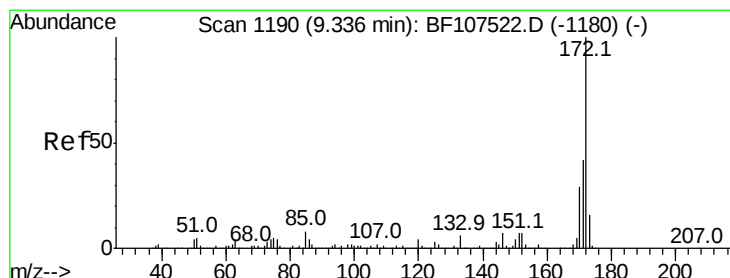
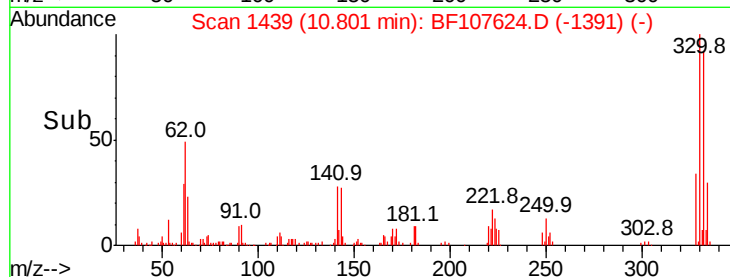
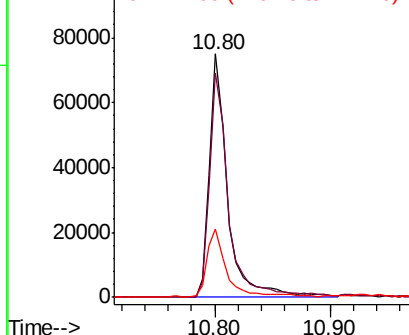


Abundance

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: 11.570 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107624.D
 Acq: 24 Jul 2018 17:38

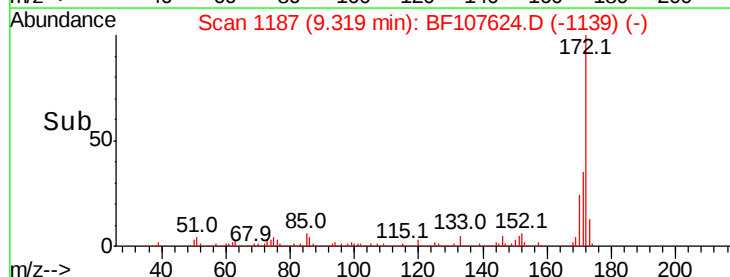
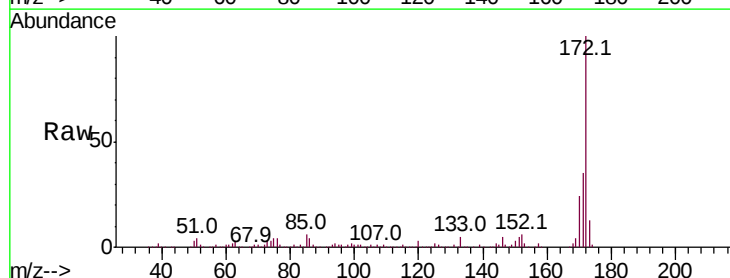
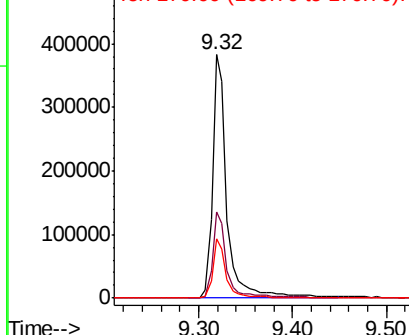
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	24.1	19.6	29.4

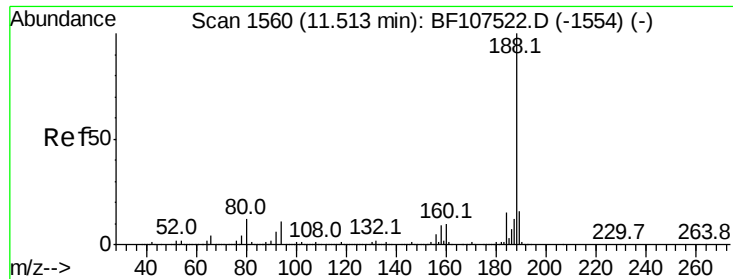
Abundance

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





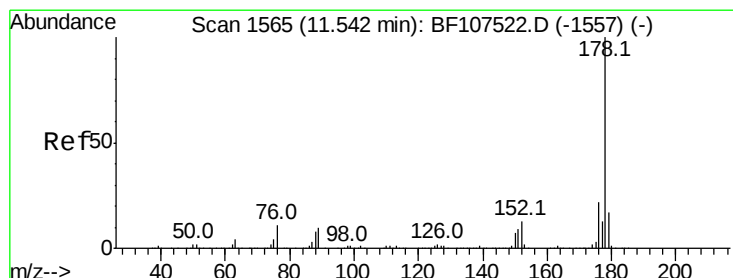
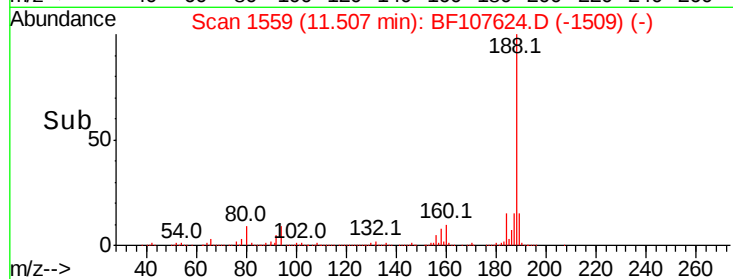
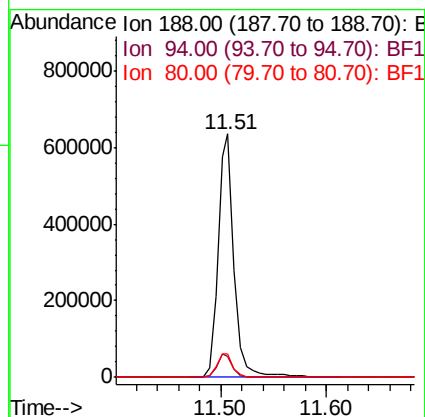
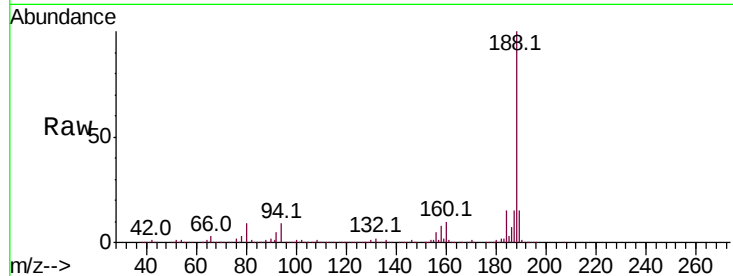
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

Instrument :
BNA_F
ClientSampleId :
DW-11

Tot Ion	Ratio	Resp	Lower	Upper
188	100	676864		
94	8.7		8.5	12.7
80	9.5		9.2	13.8

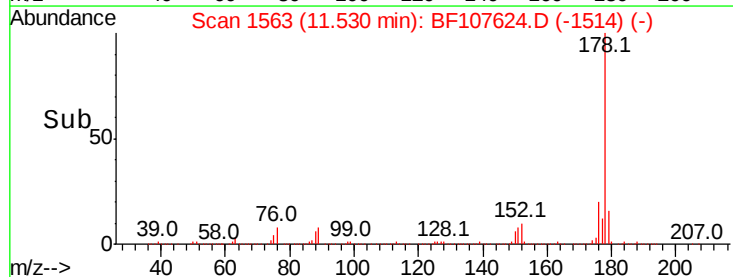
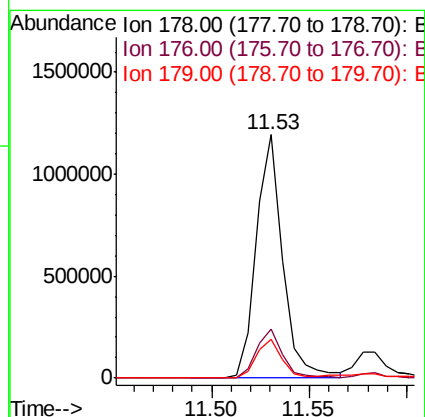
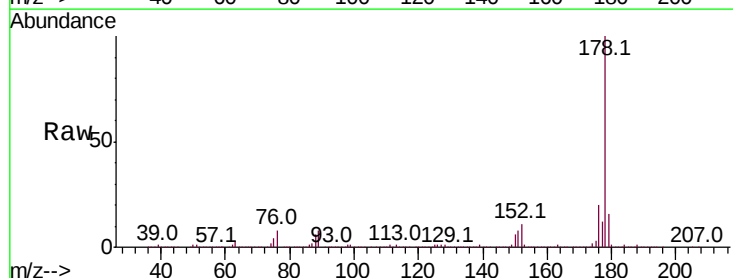
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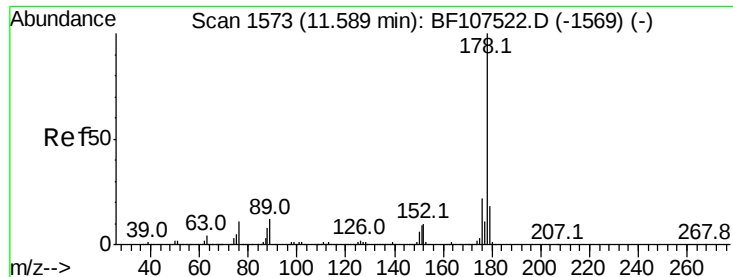
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#70
Phenanthrene
Concen: 34.043 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1122859		
176	20.1		15.8	23.8
179	15.9		13.0	19.6





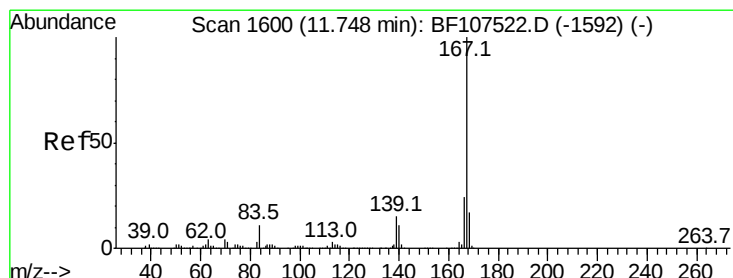
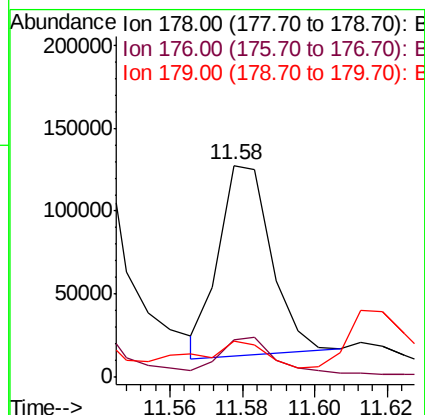
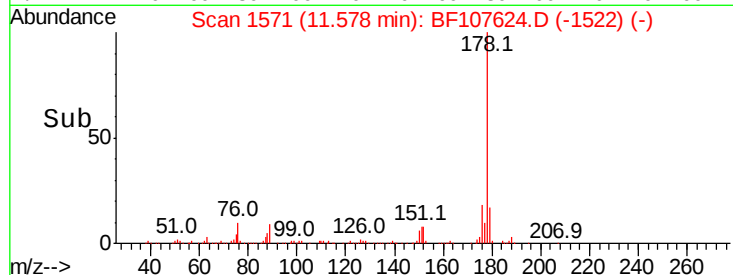
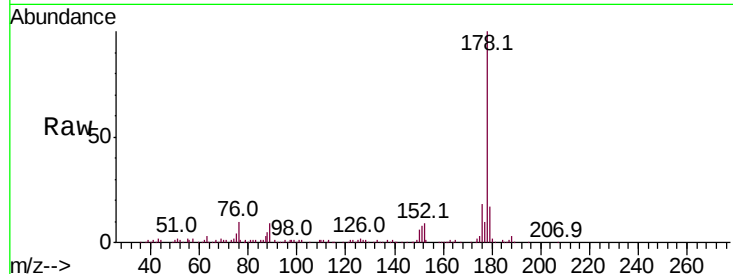
#71
 Anthracene
 Concen: 3.517 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF107624.D
 Acq: 24 Jul 2018 17:38

Instrument :
 BNA_F
 ClientSampleId :
 DW-11

Tot Ion:	178	Resp:	116788
Ion Ratio	Lower	Upper	
178	100		
176	17.6	15.4	23.2
179	17.1	12.6	19.0

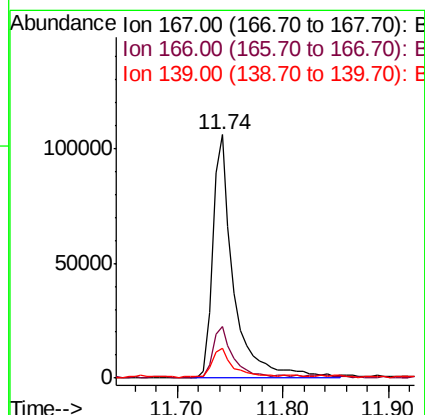
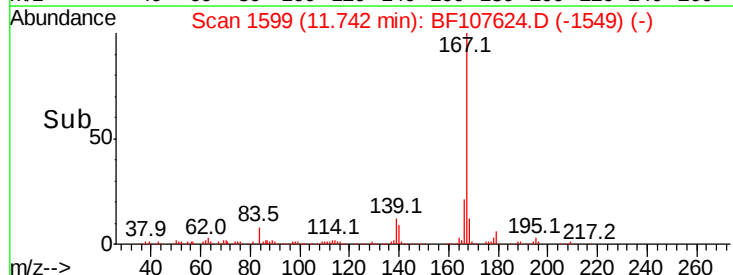
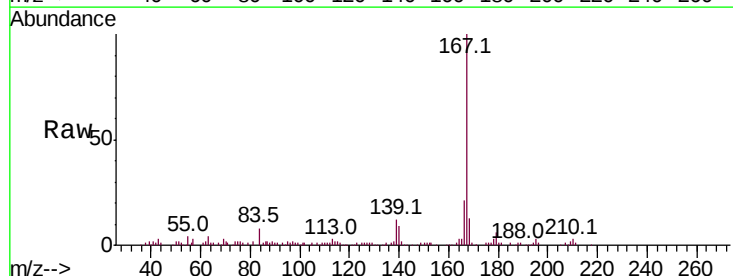
Manual Integrations
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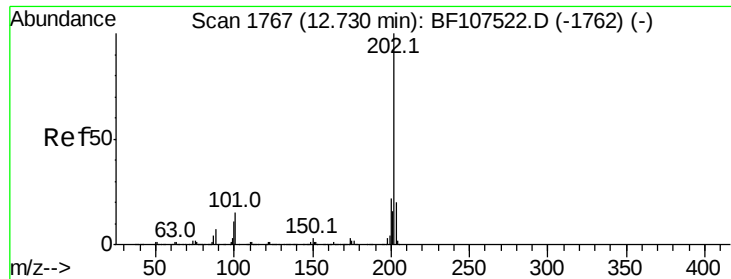
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#72
 Carbazole
 Concen: 4.277 ng
 RT: 11.74 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF107624.D
 Acq: 24 Jul 2018 17:38

Tgt Ion:	167	Resp:	147707
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.6	26.4
139	12.2	10.9	16.3





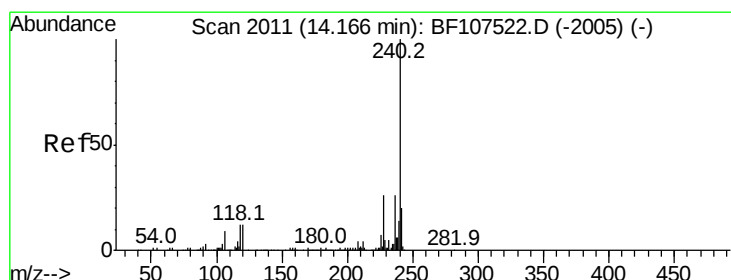
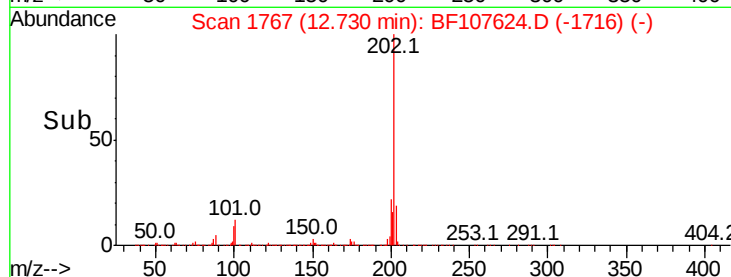
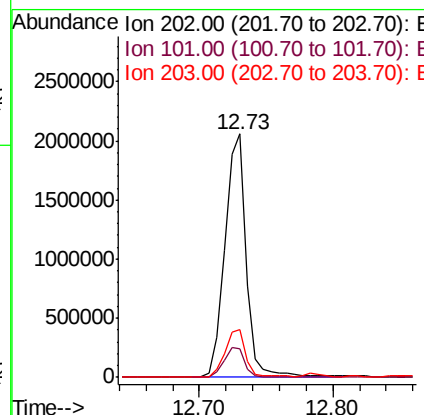
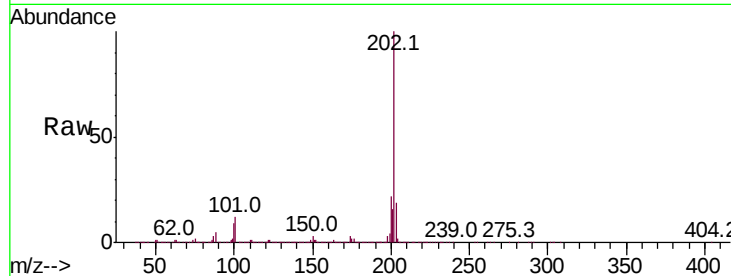
#74
Fluoranthene
Concen: 65.698 ng
RT: 12.73 min Scan# 1767
Delta R.T. 0.00 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

Instrument :
BNA_F
ClientSampled :
DW-11

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	34.1
203	19.5	0.0	38.1

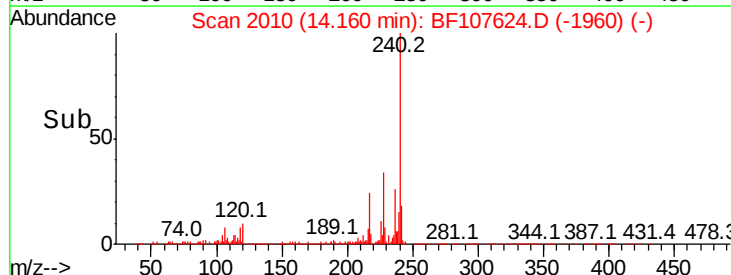
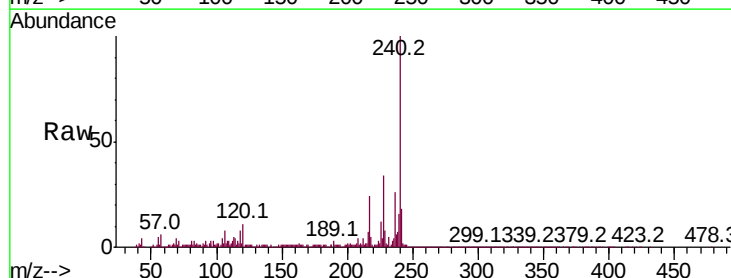
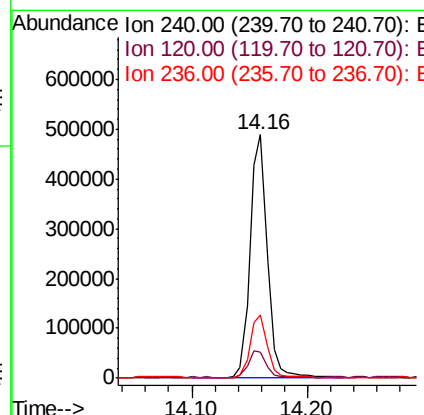
Manual Integrations
APPROVED

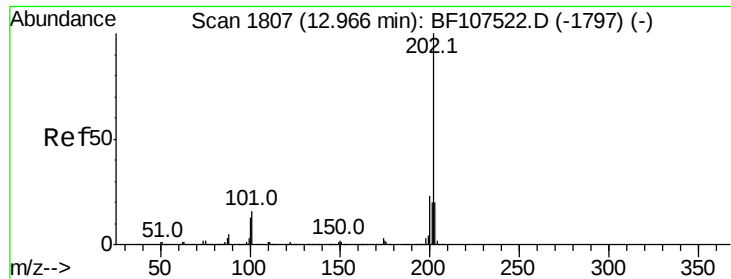
Sohil
7/25/2018 12:58:25 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.5	14.3
236	26.1	20.7	31.1





#77

Pvrene

Concen: 54.296 ng

RT: 12.96 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF107624.D

Acq: 24 Jul 2018 17:38

Instrument :

BNA_F

ClientSampleId :

DW-11

Tot Ion:202 Resp: 1873875

Ion Ratio Lower Upper

202 100

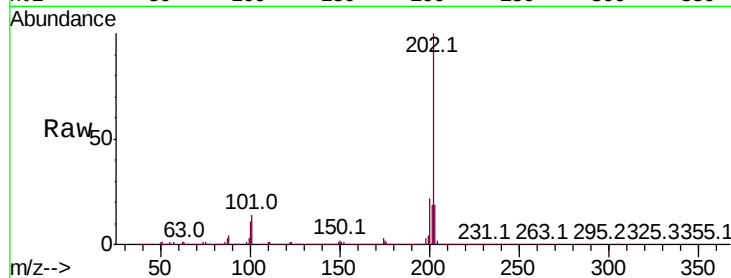
200 21.6 17.4 26.2

203 19.4 14.3 21.5

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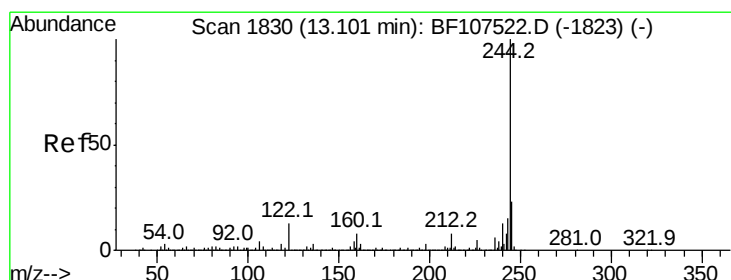
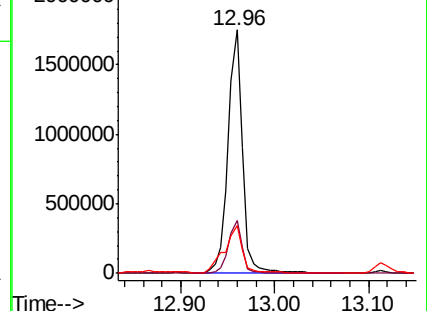
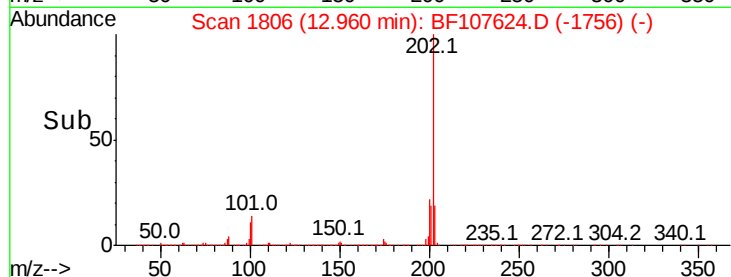
7/25/2018 12:58:25 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 16.002 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF107624.D

Acq: 24 Jul 2018 17:38

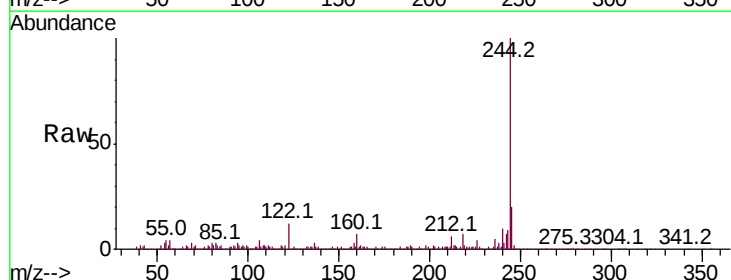
Tgt Ion:244 Resp: 315366

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

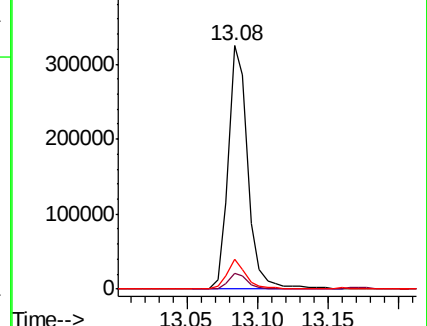
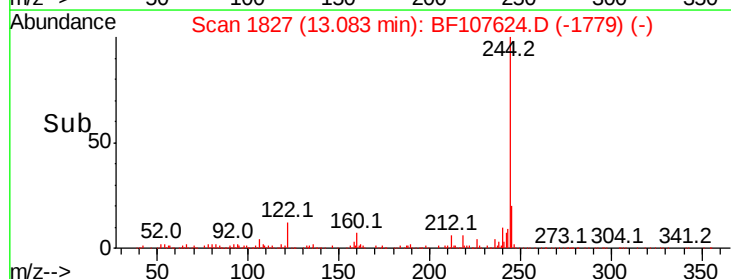
122 12.0 11.0 16.4

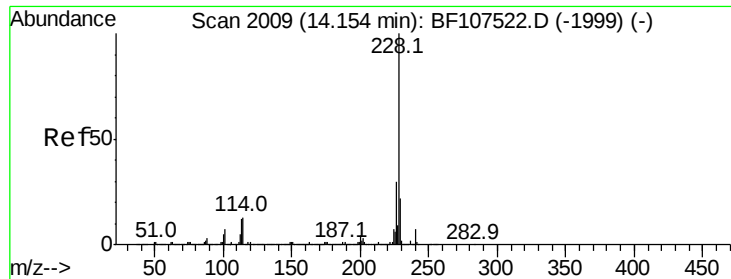


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





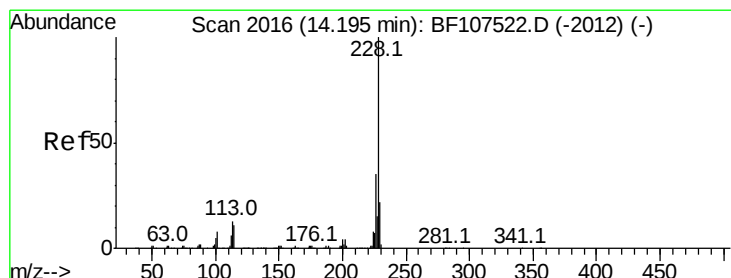
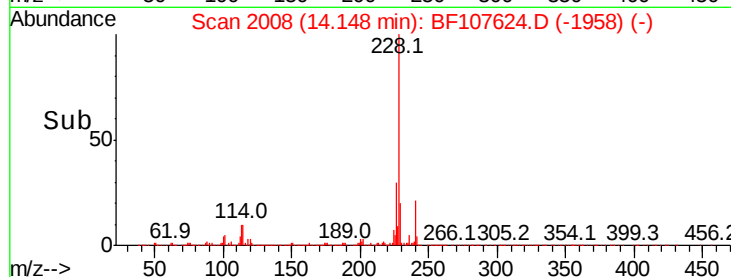
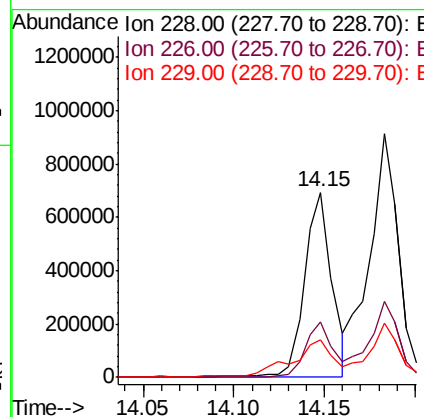
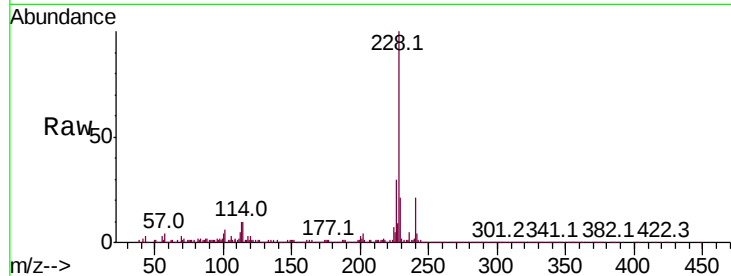
#80
Benzo(a)anthracene
Concen: 24.776 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

Instrument :
BNA_F
ClientSampleId :
DW-11

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.6	33.8
229	20.6	15.8	23.6

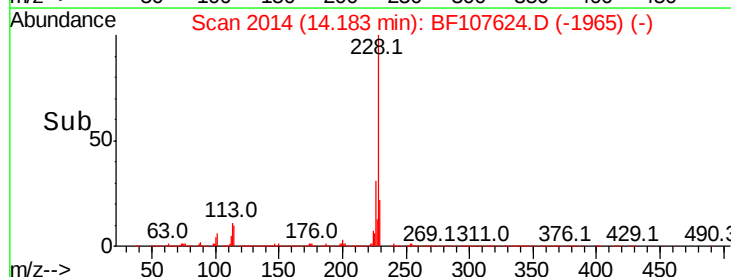
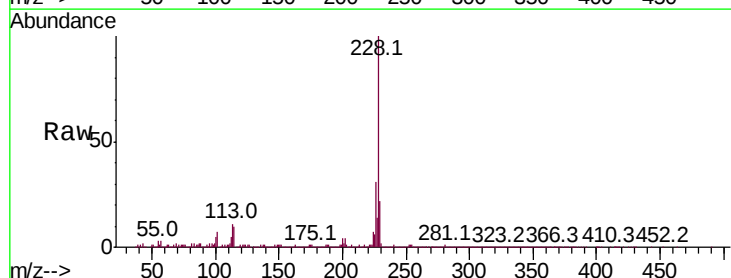
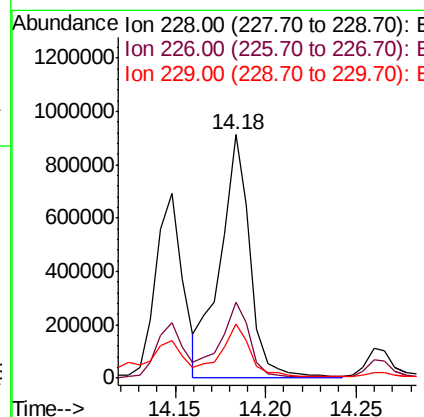
Manual Integrations
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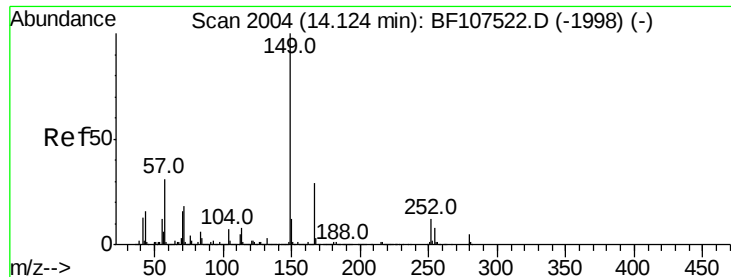
Sohil
7/25/2018 12:58:25 PM



#82
Chrysene
Concen: 36.484 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.1	16.2	24.4





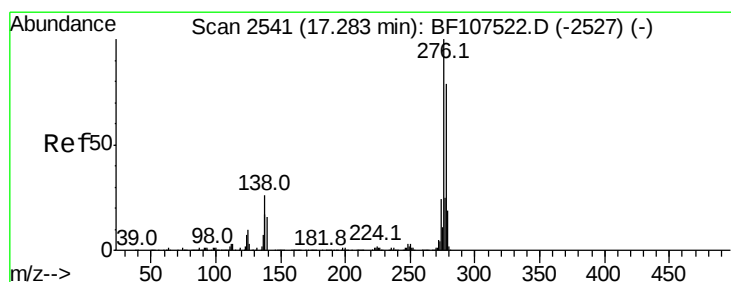
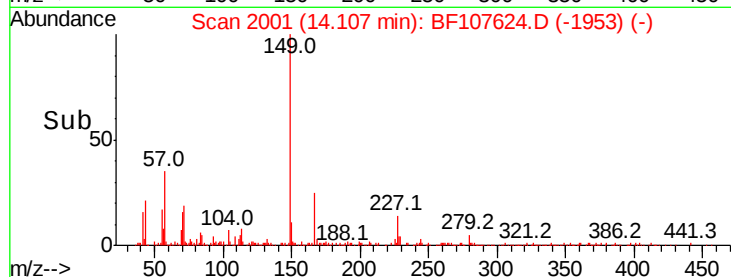
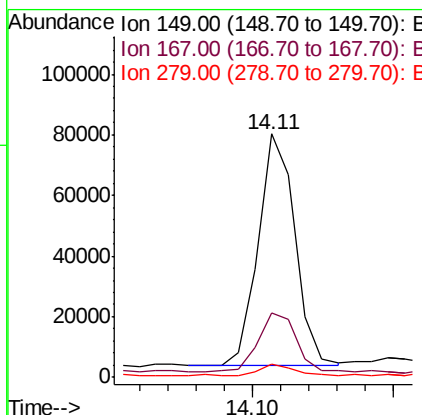
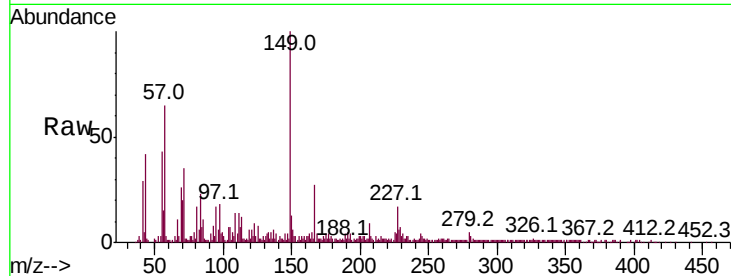
#83
Bis(2-ethylhexyl)phthalate
Concen: 3.294 ng
RT: 14.11 min Scan# 2001
Delta R.T. -0.02 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

Instrument :
BNA_F
ClientSampled :
DW-11

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.3	31.9
279	5.4	3.0	4.4

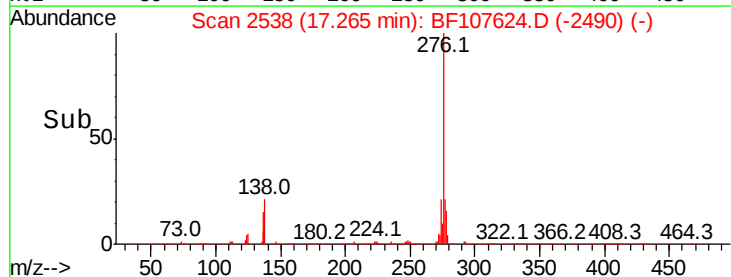
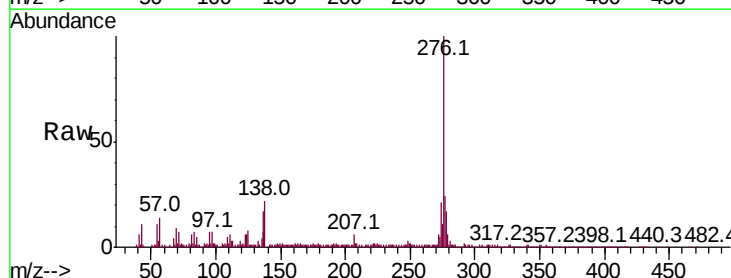
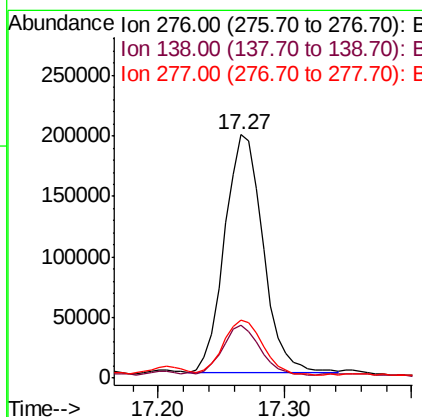
Manual Integrations
APPROVED

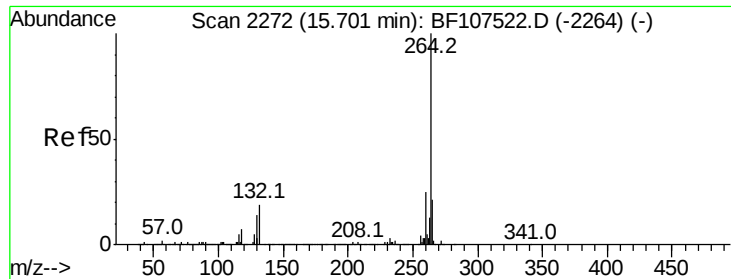
Sohil
7/25/2018 12:58:25 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 17.119 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.7	25.0	37.6
277	23.9	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF107624.D

Acq: 24 Jul 2018 17:38

Instrument :

BNA_F

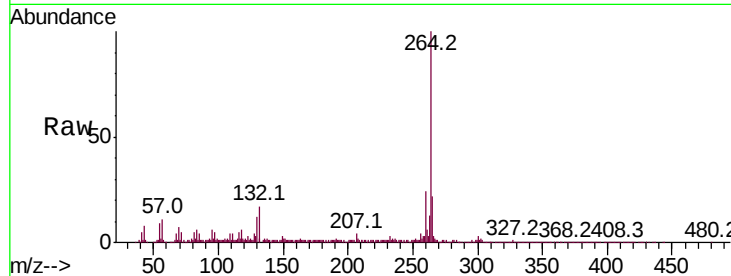
ClientSampleId :

DW-11

Tot Ion:	264	Resp:	458400
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	22.4	17.5	26.3

Manual Integrations
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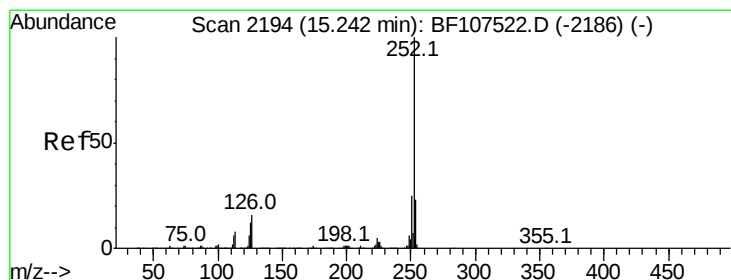
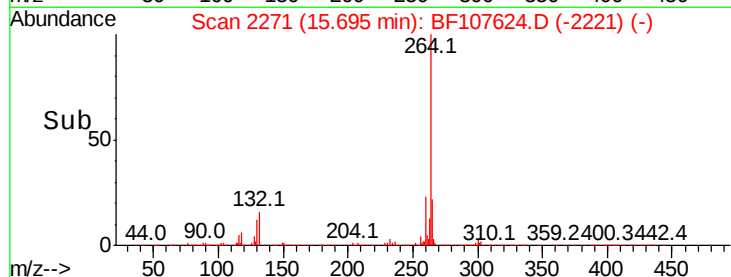
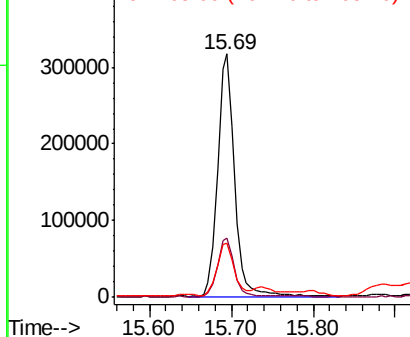


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 44.487 ng m

RT: 15.24 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BF107624.D

Acq: 24 Jul 2018 17:38

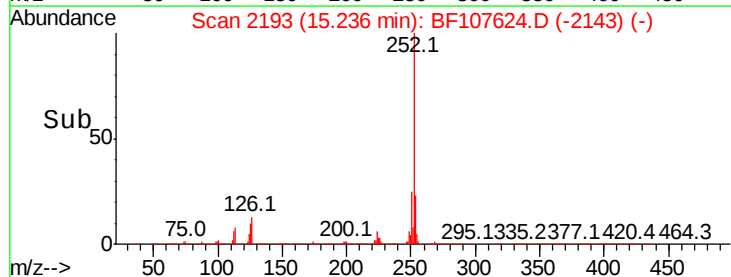
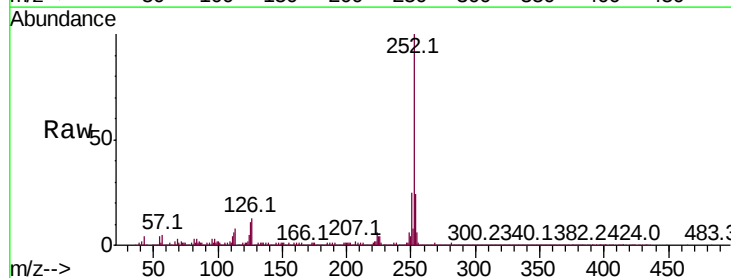
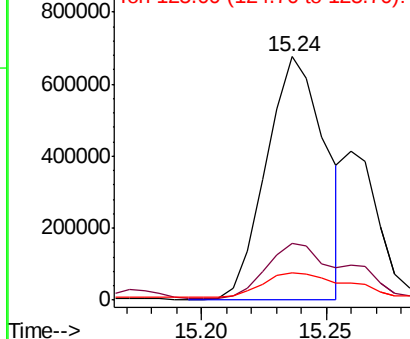
Tgt Ion:	252	Resp:	1116084
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.0	25.6
125	11.3	9.0	13.6

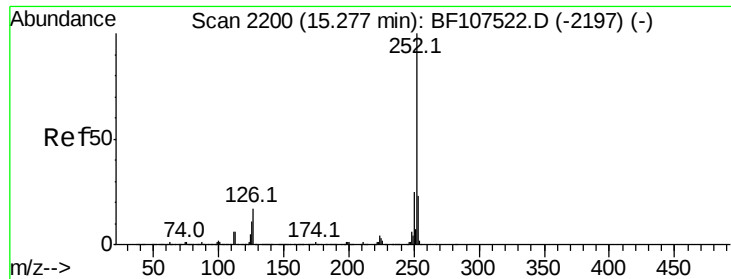
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





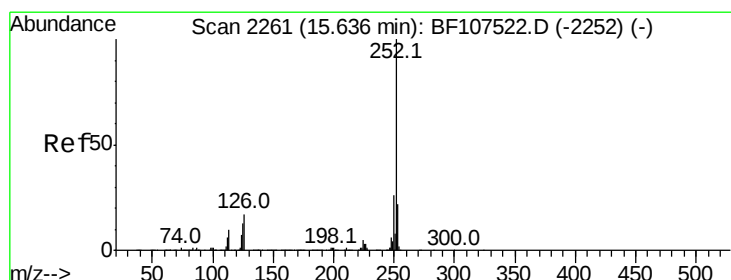
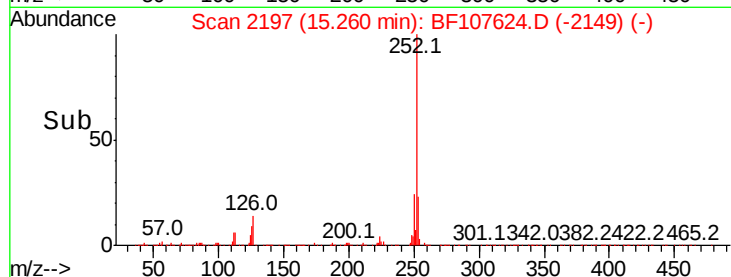
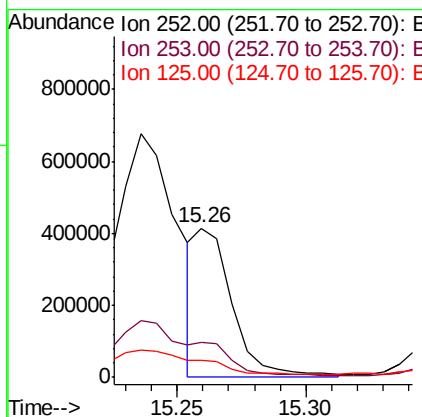
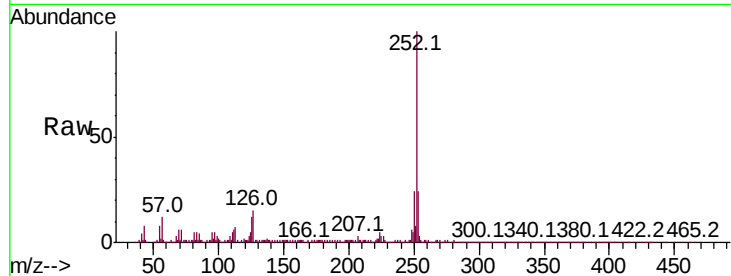
#88
Benzo(k)fluoranthene
Concen: 16.890 ng m
RT: 15.26 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

Instrument :
BNA_F
ClientSampleId :
DW-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	11.7	10.2	15.2

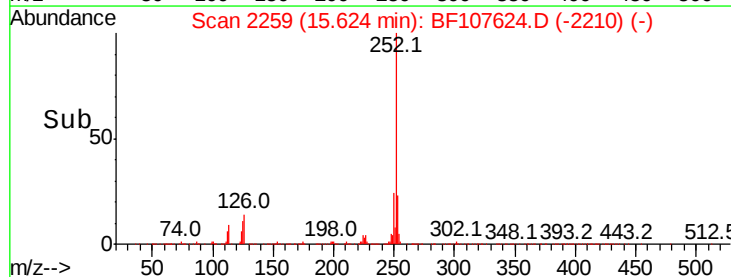
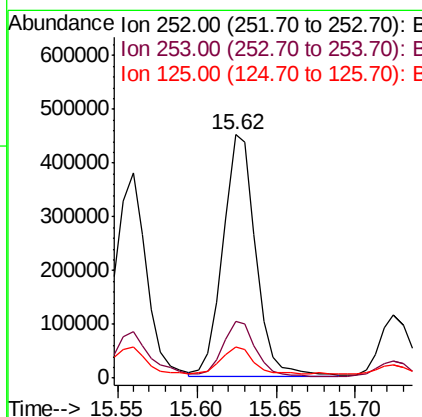
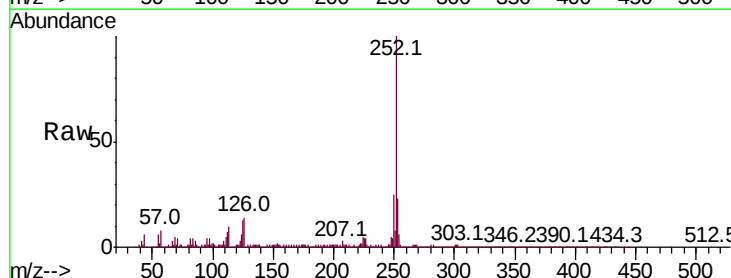
Manual Integrations
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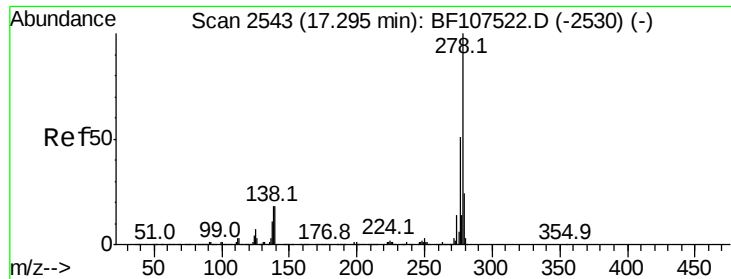
Sohil
7/25/2018 12:58:25 PM



#89
Benzo(a)pyrene
Concen: 28.226 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	12.8	9.8	14.6





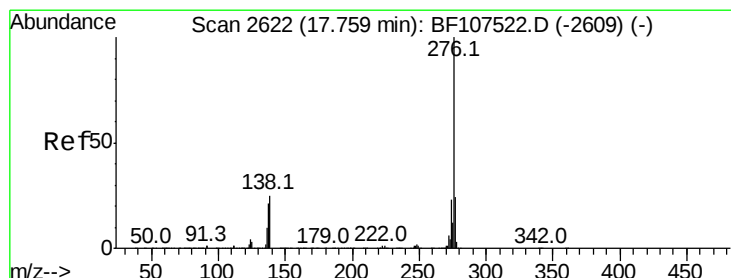
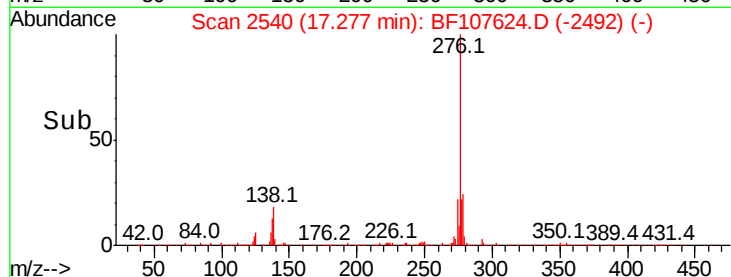
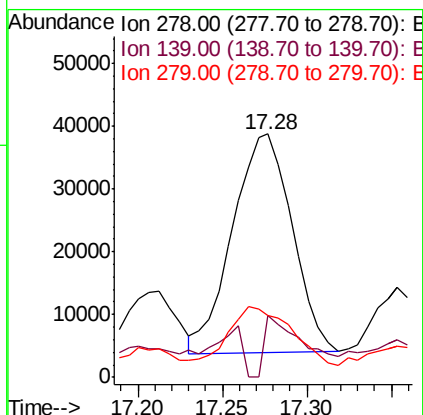
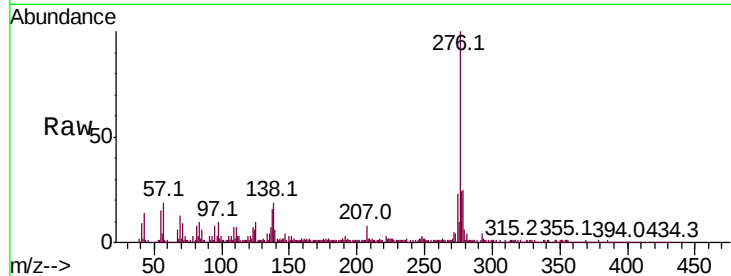
#90
Dibenzo(a,h)anthracene
Concen: 4.287 ng
RT: 17.28 min Scan# 2540
Delta R.T. -0.02 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

Instrument :
BNA_F
ClientSampleId :
DW-11

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.5	15.9	23.9#
279	25.2	19.0	28.4

Manual Integrations
APPROVED

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7/25/2018 12:58:25 PM



#91
Benzo(g,h,i)perylene
Concen: 19.804 ng
RT: 17.75 min Scan# 2620
Delta R.T. -0.01 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	21.2	21.8	32.8#

