

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
 Data File : BF108270.D
 Acq On : 18 Aug 2018 4:09
 Operator : JU/SJ
 Sample : J4511-03
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081418-ESW-15NSC-025

Manual Integrations
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 8/20/2018 12:48:41 PM

Quant Time: Aug 18 04:49:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	165131	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	601050	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	247203	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	380424	20.00	ng	0.00
75) Chrysene-d12	14.23	240	299843	20.00	ng	0.01
86) Perylene-d12	15.81	264	207314	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	945215	103.63	ng	0.02
7) Phenol-d6	6.64	99	1271208	104.88	ng	0.01
23) Nitrobenzene-d5	7.58	82	842563	78.22	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	245324	99.49	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1389666	90.25	ng	0.00
78) Terphenyl-d14	13.15	244	985046	83.53	ng	0.00
Target Compounds						
10) Phenol	6.65	94	32619	2.602	ng	# 64
49) Dimethylphthalate	9.77	163	162258	9.423	ng	# 98
51) Acenaphthene	10.10	154	30341	2.175	ng	# 96
57) Fluorene	10.61	166	38509	2.407	ng	# 97
70) Phenanthrene	11.58	178	400802	22.337	ng	# 99
71) Anthracene	11.64	178	105378	5.730	ng	# 98
72) Carbazole	11.79	167	36162	2.213	ng	# 81
74) Fluoranthene	12.79	202	686878	35.075	ng	# 94
77) Pyrene	13.02	202	621621	32.746	ng	# 99
80) Benzo(a)anthracene	14.22	228	328908	19.114	ng	# 94
82) Chrysene	14.25	228	307326	19.480	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.42	276	108807	7.960	ng	# 88
87) Benzo(b)fluoranthene	15.33	252	339218m	27.383	ng	#
88) Benzo(k)fluoranthene	15.36	252	88626m	7.783	ng	#
89) Benzo(a)pyrene	15.74	252	191707	17.282	ng	# 85
90) Dibenzo(a,h)anthracene	17.43	278	29612	3.226	ng	# 79
91) Benzo(a,h,i)perylene	17.92	276	102979	11.394	ng	# 92

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

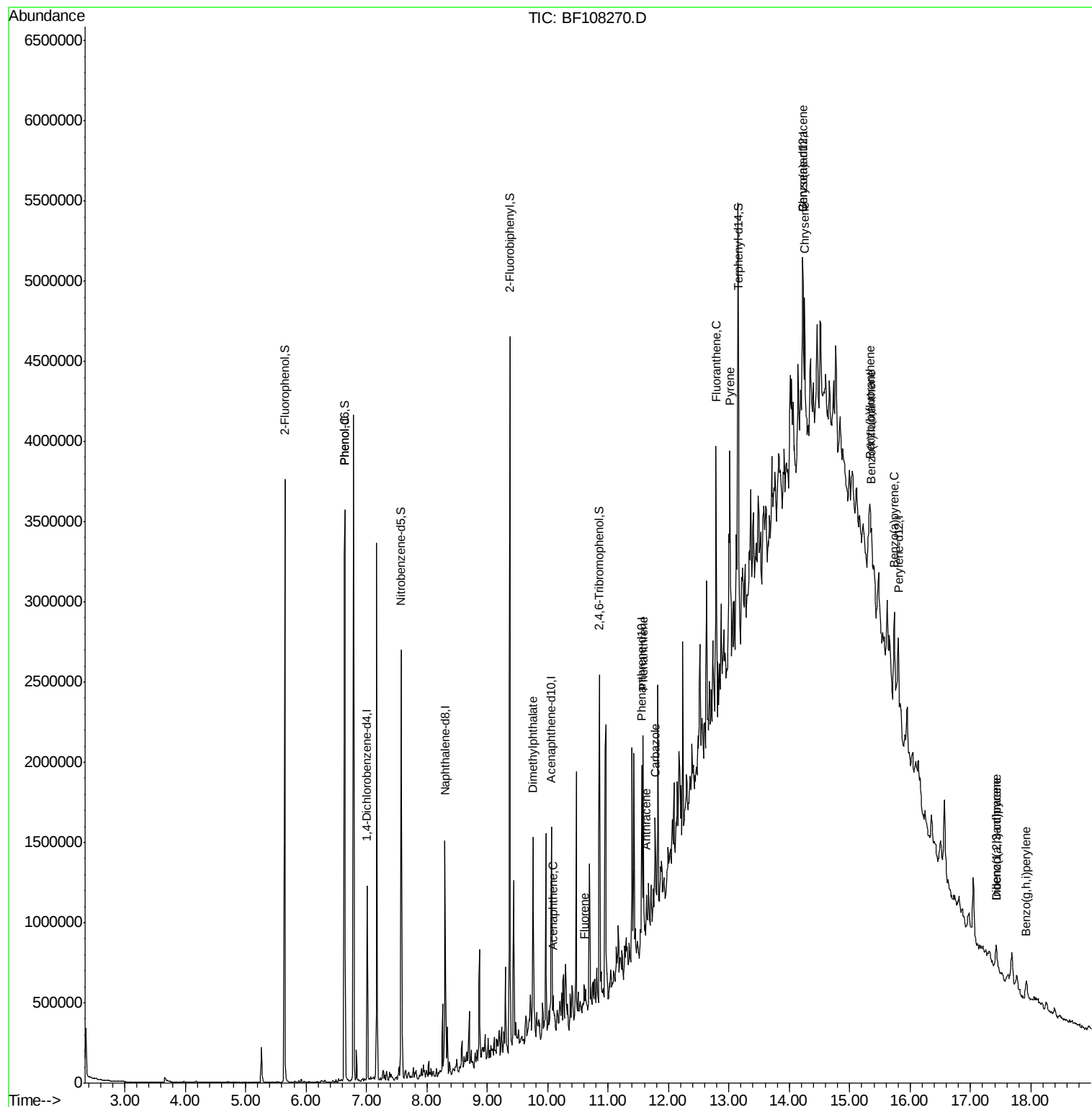
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108270.D
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Sample : J4511-03
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ALS Vial : 38 Sample Multiplier: 1

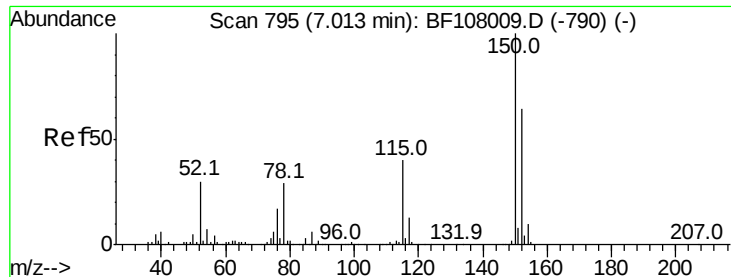
Instrument :
BNA_F
ClientSampleId :
RA-081418-ESW-15NSC-025

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#1

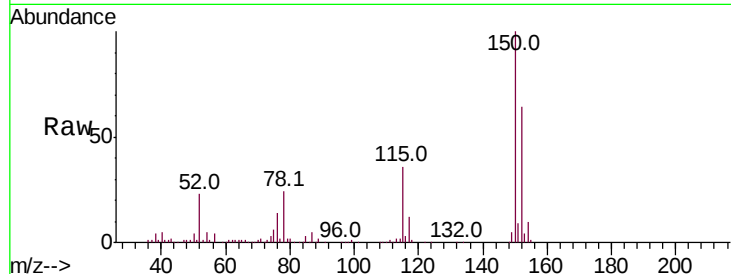
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108270.D
Acq: 18 Aug 2018 4:09

Instrument :
BNA_F
ClientSampleId :
RA-081418-ESW-15NSC-025

Tot Ion	Ratio	Resp	Lower	Upper
152	100	165131		
150	155.5	124.6	186.8	
115	56.4	50.1	75.1	

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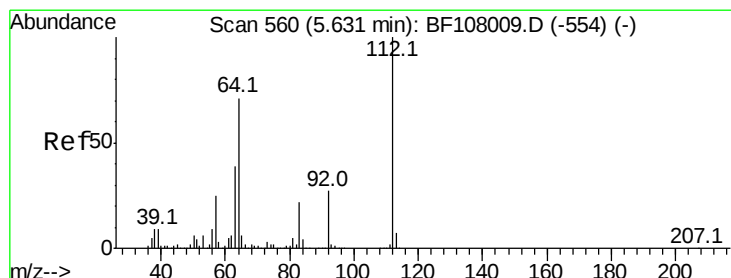
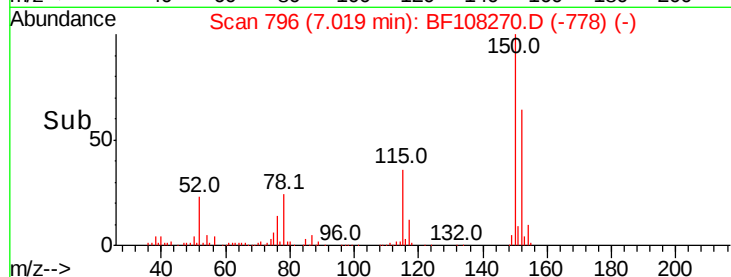
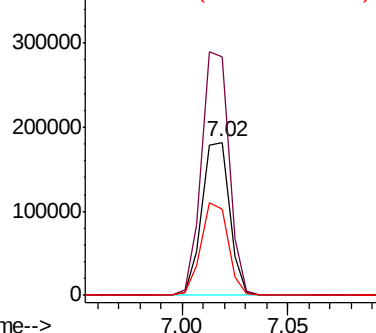


Abundance

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: 103.631 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108270.D
Acq: 18 Aug 2018 4:09

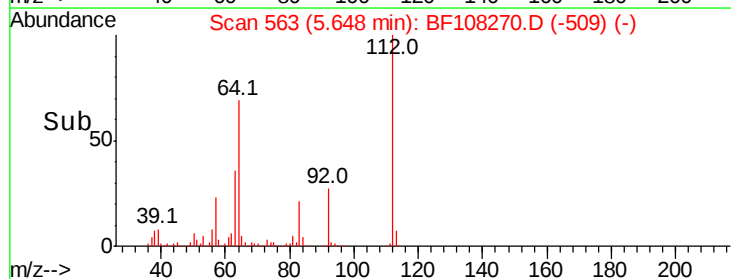
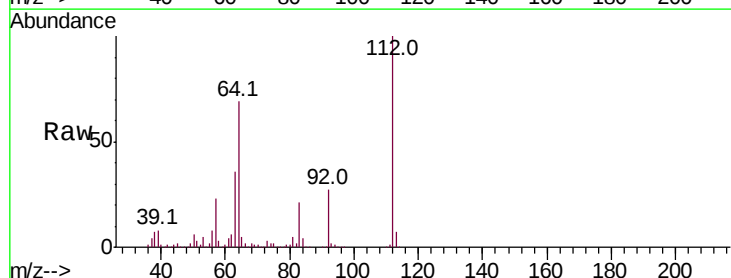
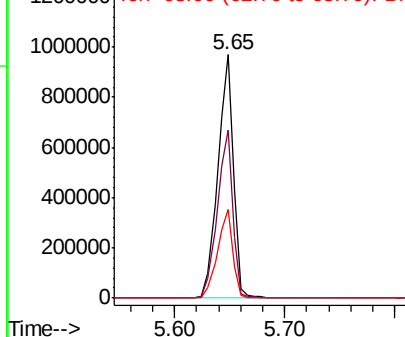
Tgt Ion	Ratio	Resp	Lower	Upper
112	100	945215		
64	68.8	47.9	71.9	
63	36.4	23.7	35.5#	

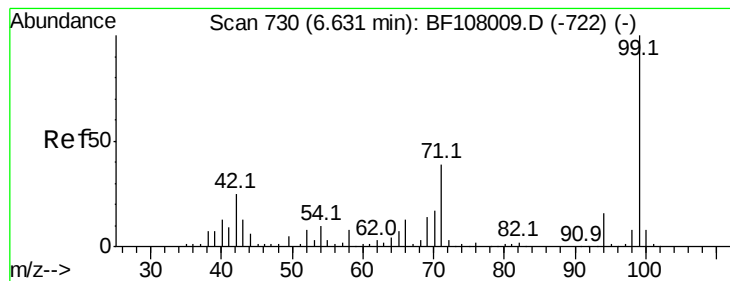
Abundance

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: 104.880 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108270.D

Acq: 18 Aug 2018 4:09

Instrument :

BNA_F

ClientSampleId :

RA-081418-ESW-15NSC-025

Tot Ion: 99 Resp: 1271208

Ion Ratio Lower Upper

99 100

42 22.0 14.5 21.7#

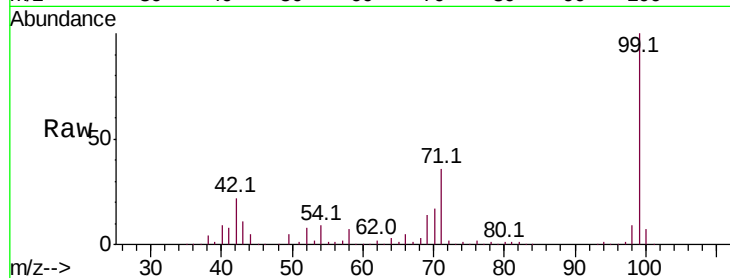
71 36.4 25.4 38.0

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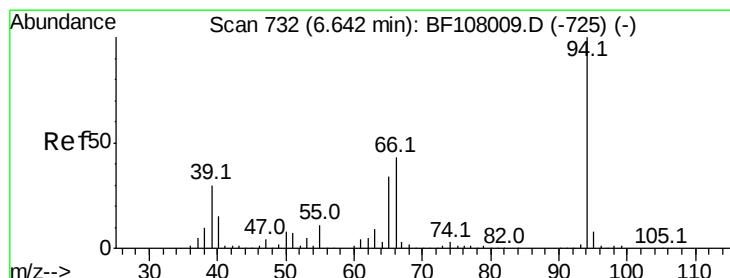
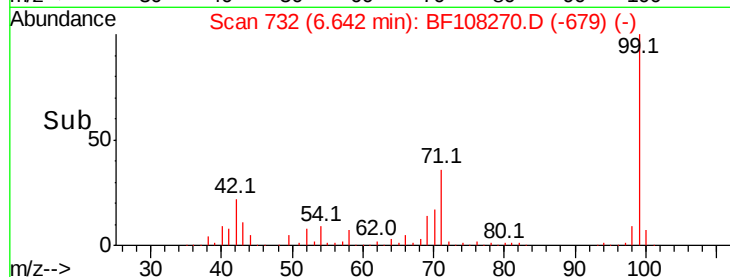
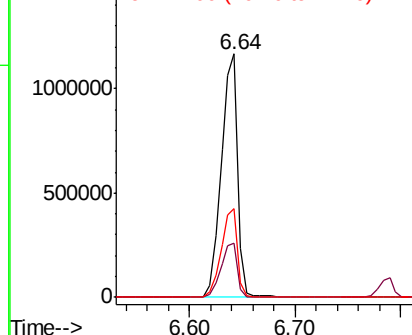
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.602 ng

RT: 6.65 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF108270.D

Acq: 18 Aug 2018 4:09

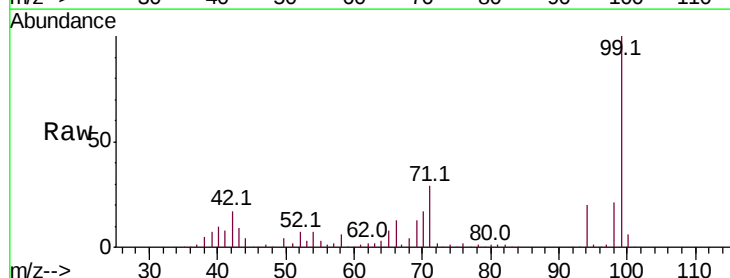
Tgt Ion: 94 Resp: 32619

Ion Ratio Lower Upper

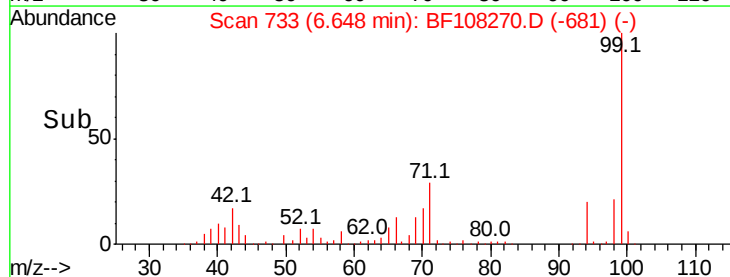
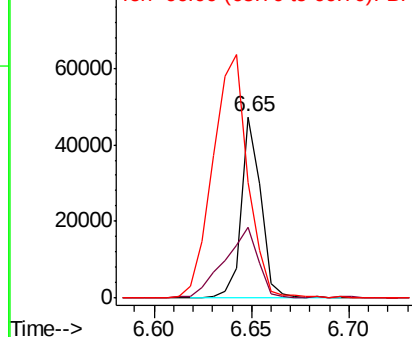
94 100

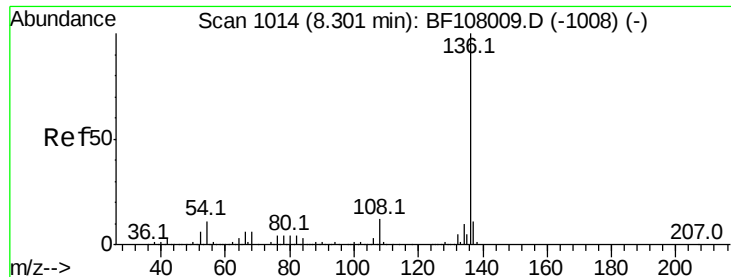
65 39.1 7.9 47.9

66 64.0 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





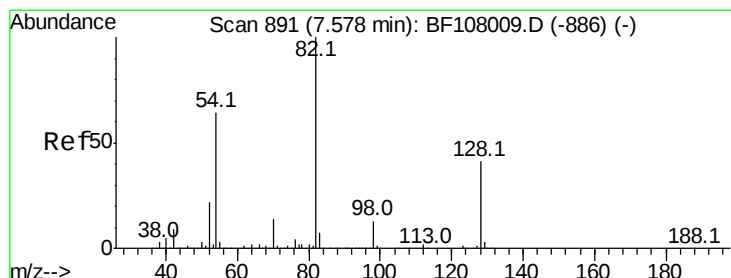
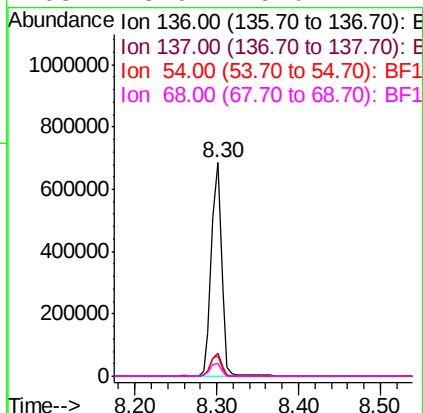
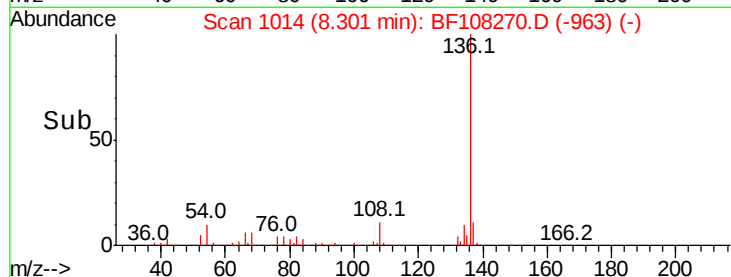
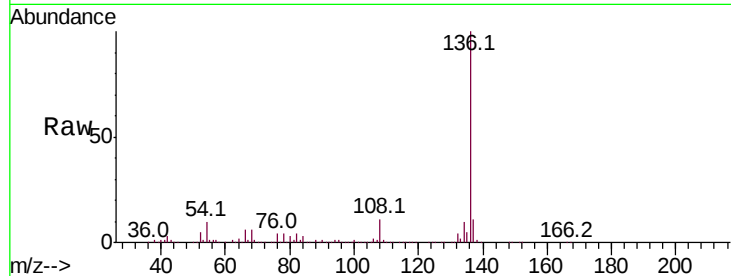
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108270.D
Acq: 18 Aug 2018 4:09

Instrument :
BNA_F
ClientSampleId :
RA-081418-ESW-15NSC-025

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.6	8.9	13.3
54	9.6	6.6	9.8
68	5.9	5.0	7.4

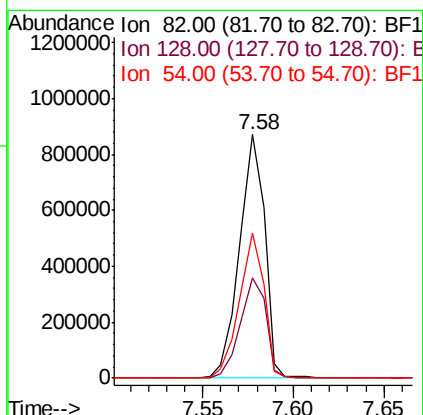
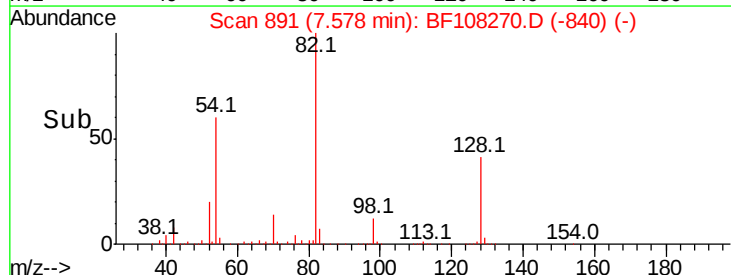
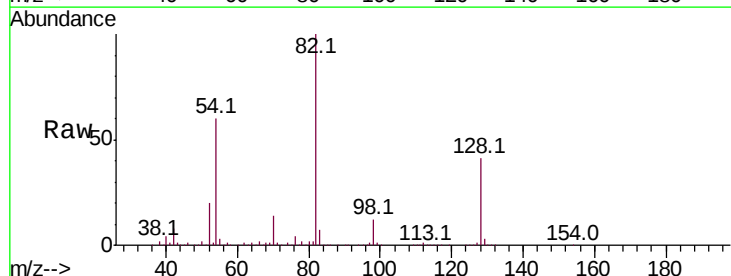
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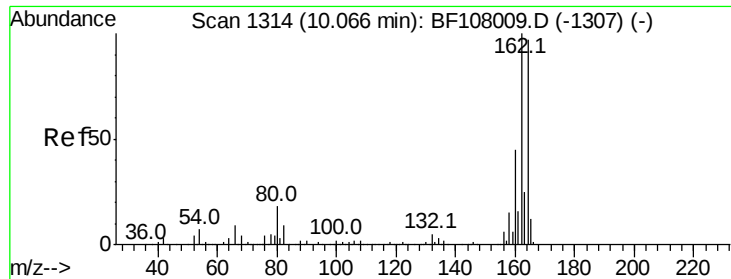
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#23
Nitrobenzene-d5
Concen: 78.223 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108270.D
Acq: 18 Aug 2018 4:09

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	41.3	36.1	54.1
54	59.8	41.4	62.2





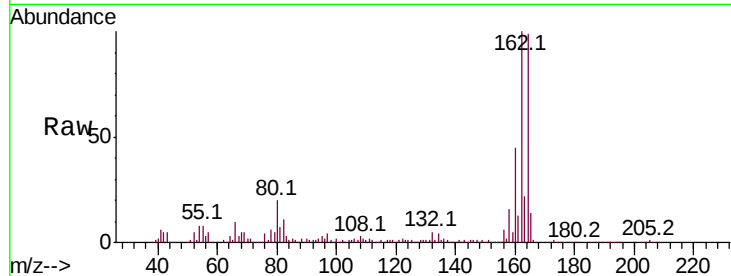
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF108270.D
 Acq: 18 Aug 2018 4:09

Instrument :
 BNA_F
 ClientSampleId :
 RA-081418-ESW-15NSC-025

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.0	86.1	129.1	
160	45.8	38.3	57.5	

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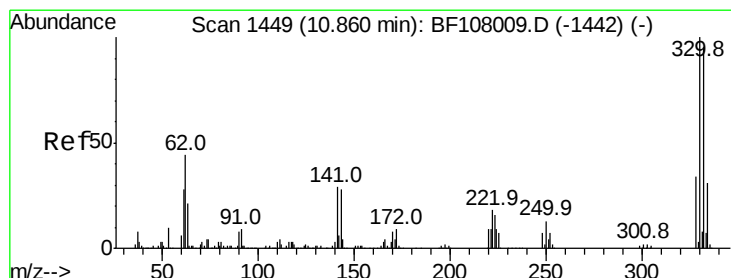
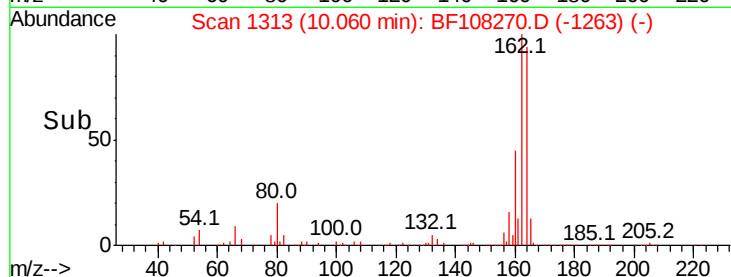
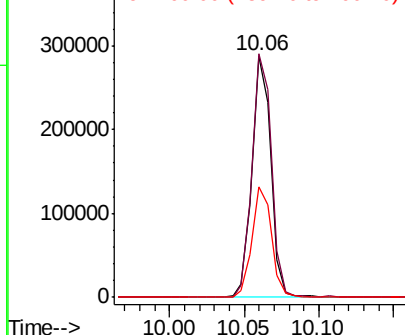


Abundance

Ion 164.00 (163.70 to 164.70): E

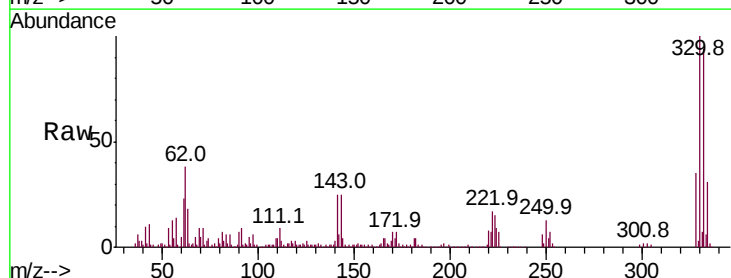
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41
 2,4,6-Tribromophenol
 Concen: 99.491 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108270.D
 Acq: 18 Aug 2018 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.0	77.0	115.6	
141	32.9	29.9	44.9	

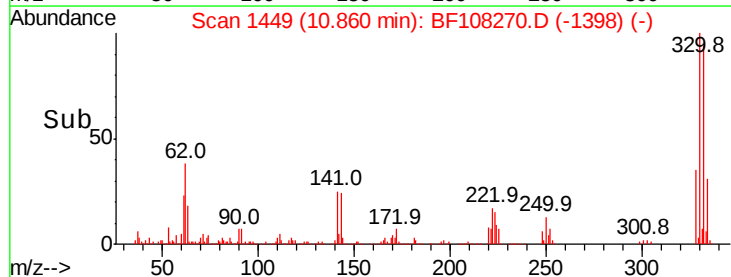
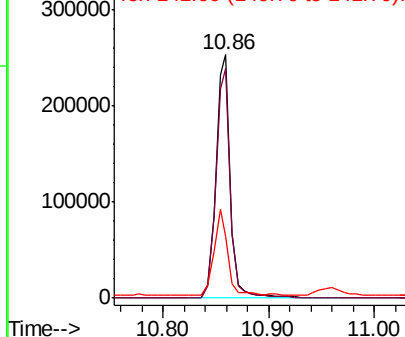


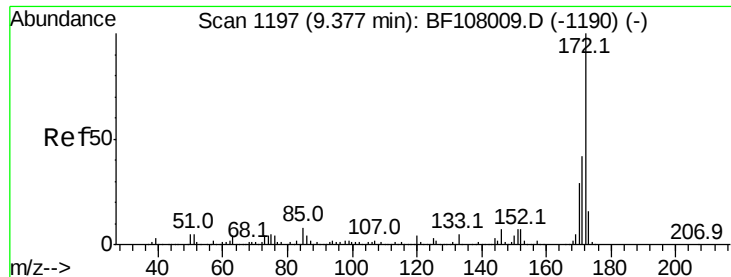
Abundance

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





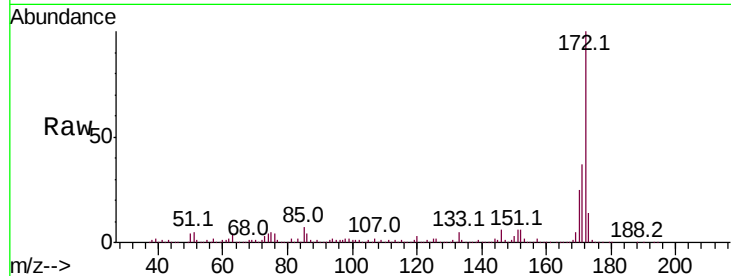
#44
2-Fluorobiphenyl
Concen: 90.252 ng
RT: 9.37 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF108270.D
Acq: 18 Aug 2018 4:09

Instrument :
BNA_F
ClientSampleId :
RA-081418-ESW-15NSC-025

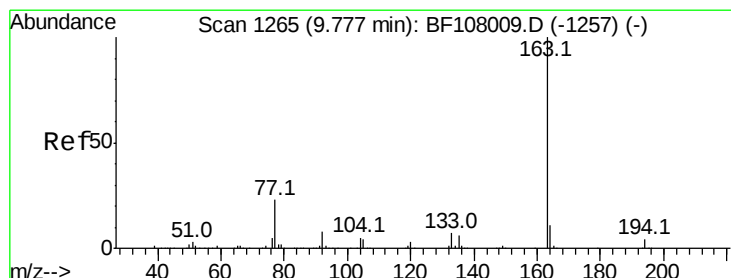
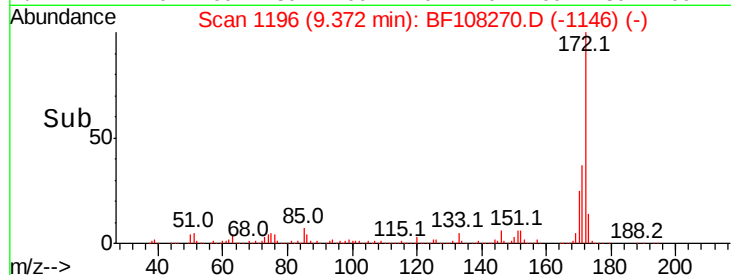
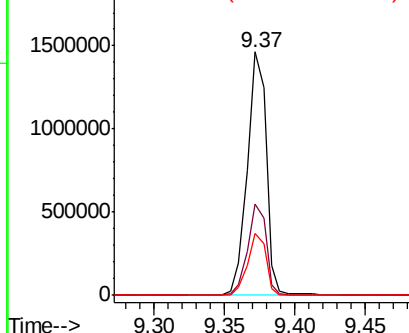
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.7	44.5
170	25.2	19.6	29.4

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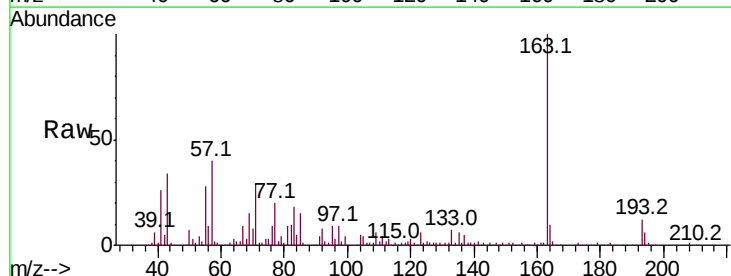


Abundance Ion 172.00 (171.70 to 172.70): E
2000000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

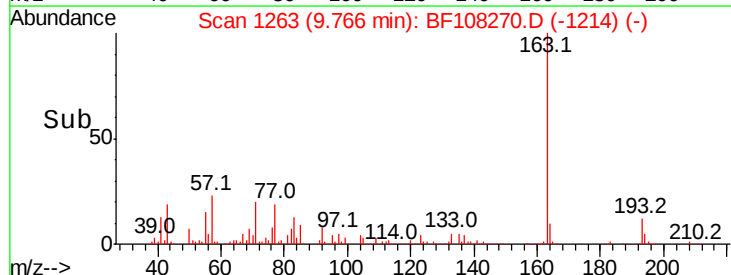
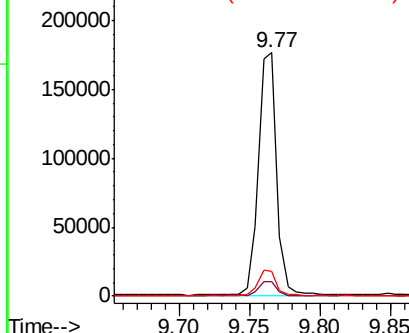


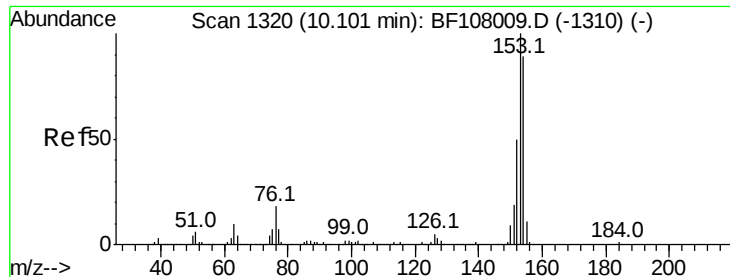
#49
Dimethylphthalate
Concen: 9.423 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108270.D
Acq: 18 Aug 2018 4:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.0	2.7	4.1#
164	10.0	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
200000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.175 ng

RT: 10.10 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF108270.D

Acq: 18 Aug 2018 4:09

Instrument :

BNA_F

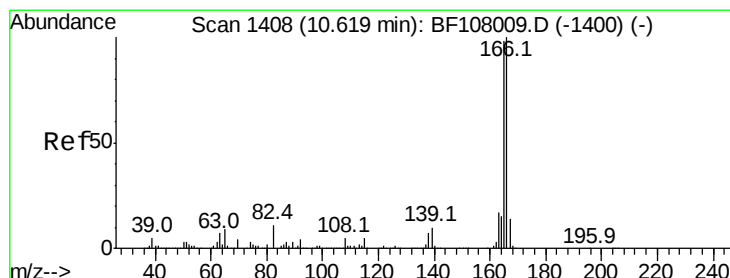
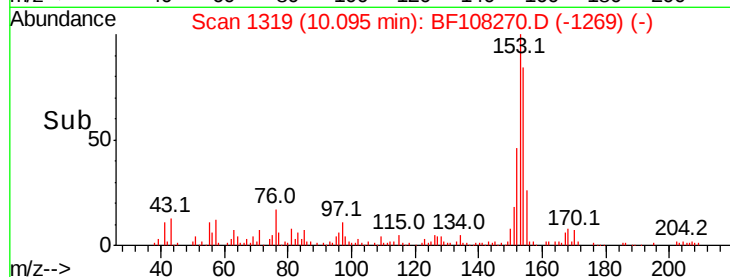
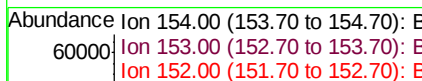
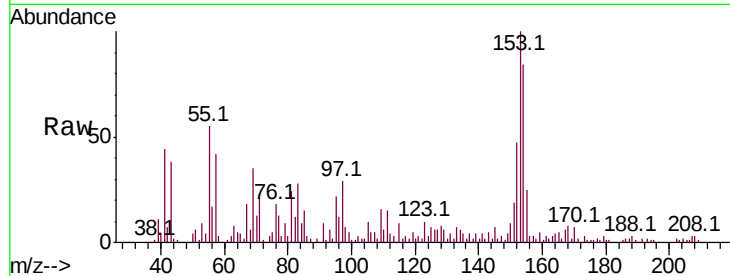
ClientSampleId :

RA-081418-ESW-15NSC-025

Tot Ion:	154	Resp:	30341
Ion Ratio	Lower	Upper	
154	100		
153	119.4	91.2	136.8
152	55.6	43.8	65.8

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#57

Fluorene

Concen: 2.407 ng

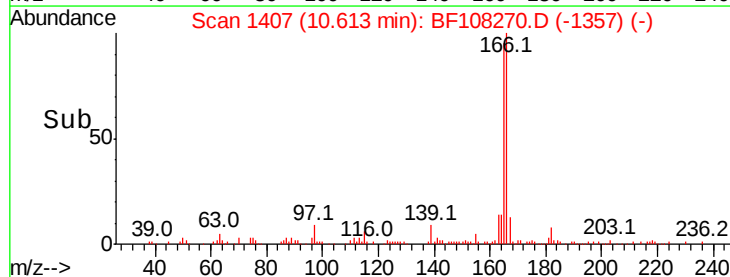
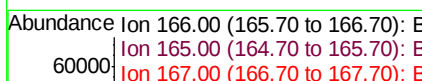
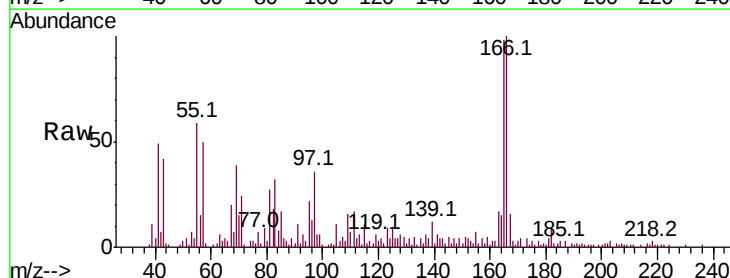
RT: 10.61 min Scan# 1407

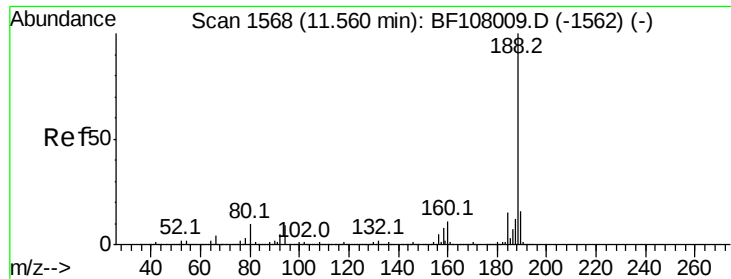
Delta R.T. -0.01 min

Lab File: BF108270.D

Acq: 18 Aug 2018 4:09

Tgt Ion:	166	Resp:	38509
Ion Ratio	Lower	Upper	
166	100		
165	97.9	79.8	119.8
167	16.5	10.6	16.0#





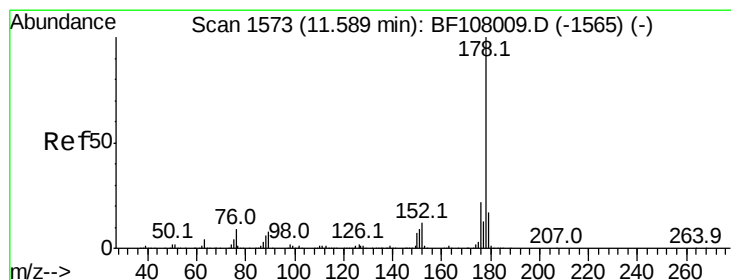
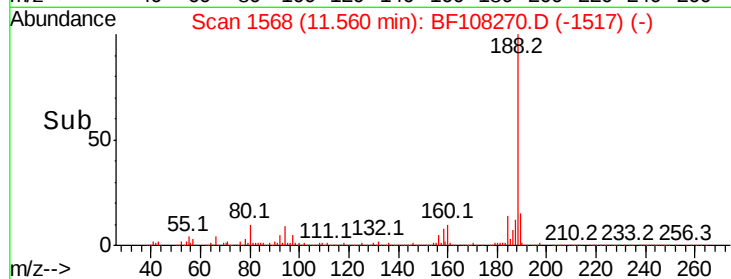
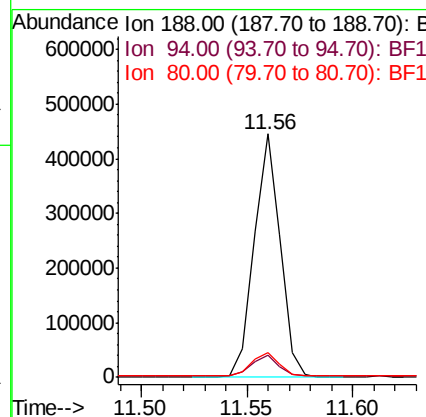
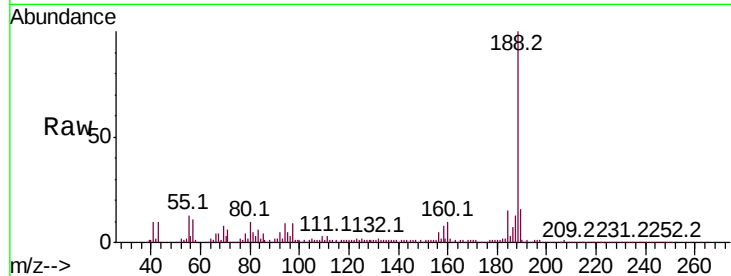
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF108270.D
Acq: 18 Aug 2018 4:09

Instrument :
BNA_F
ClientSampleId :
RA-081418-ESW-15NSC-025

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.2	8.5	12.7
80	10.1	9.2	13.8

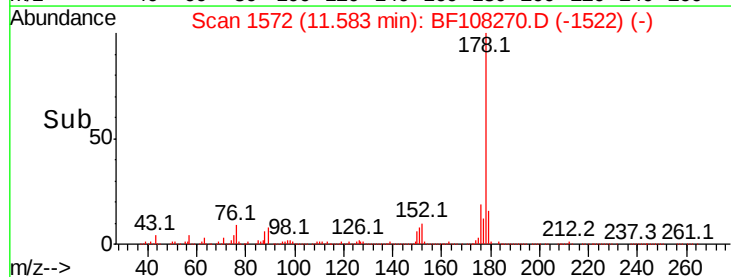
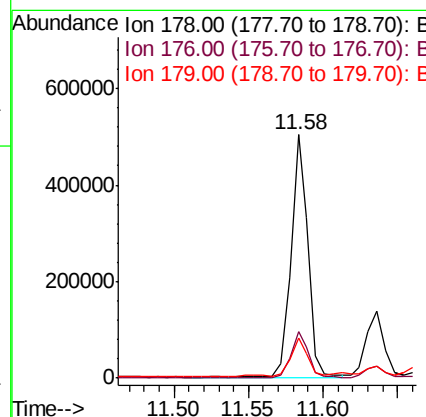
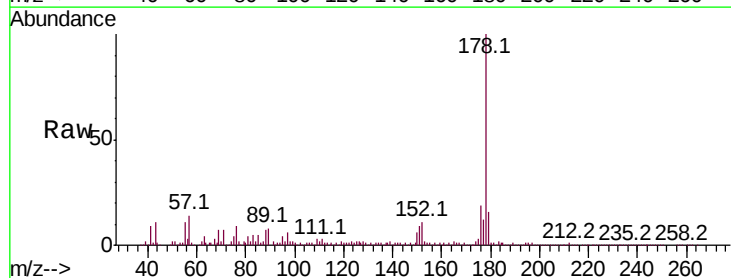
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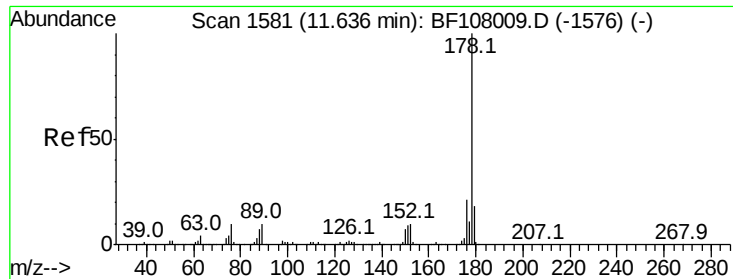
Sohil
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#70
Phenanthrene
Concen: 22.337 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108270.D
Acq: 18 Aug 2018 4:09

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.8	23.8
179	16.5	13.0	19.6





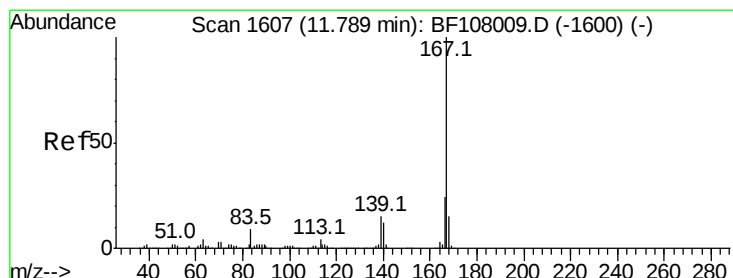
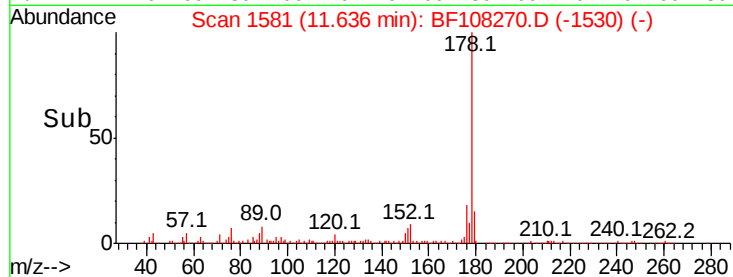
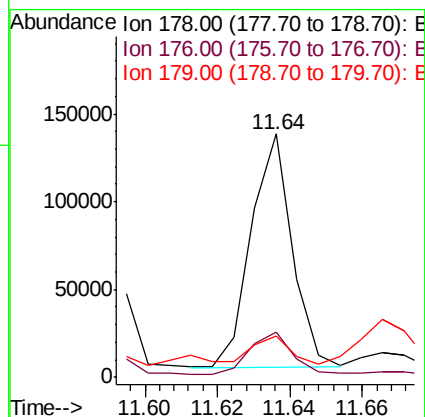
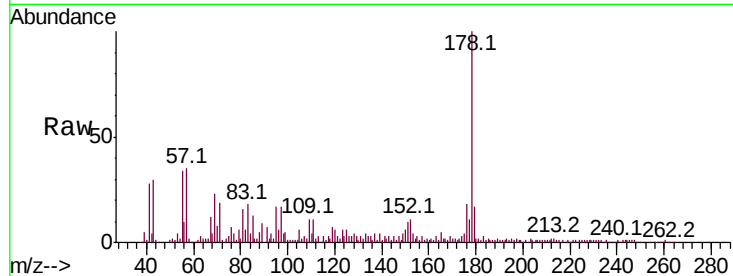
#71
 Anthracene
 Concen: 5.730 ng
 RT: 11.64 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: BF108270.D
 Acq: 18 Aug 2018 4:09

Instrument :
 BNA_F
 ClientSampleId :
 RA-081418-ESW-15NSC-025

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	17.0	12.6	19.0

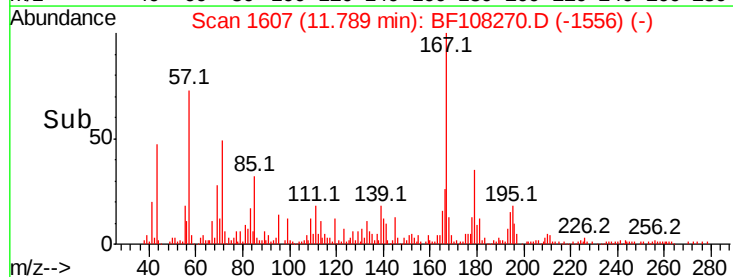
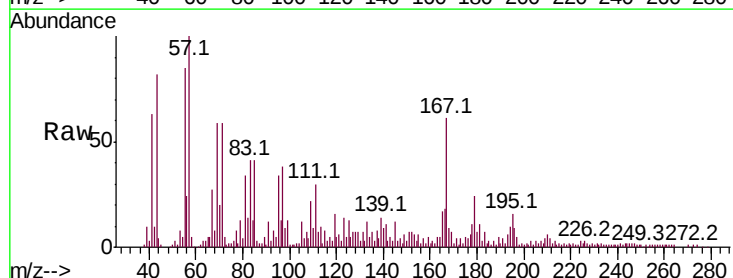
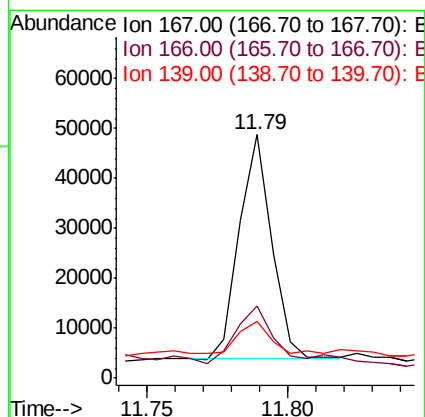
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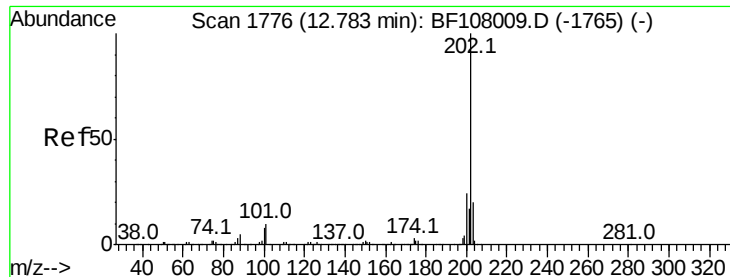
Sohil
 8/20/2018 12:48:41 PM



#72
 Carbazole
 Concen: 2.213 ng
 RT: 11.79 min Scan# 1607
 Delta R.T. 0.00 min
 Lab File: BF108270.D
 Acq: 18 Aug 2018 4:09

Tgt Ion	Ratio	Lower	Upper
167	100		
166	29.7	17.6	26.4#
139	23.2	10.9	16.3#





#74

Fluoranthene

Concen: 35.075 ng

RT: 12.79 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF108270.D

Acq: 18 Aug 2018 4:09

Instrument :

BNA_F

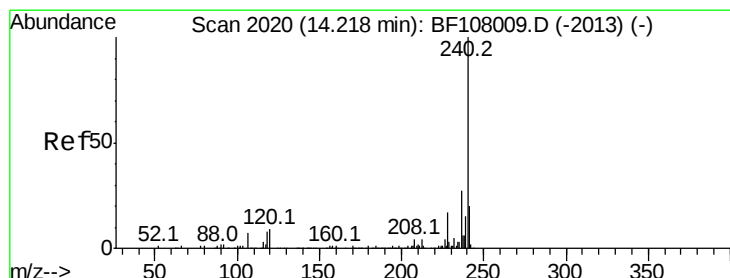
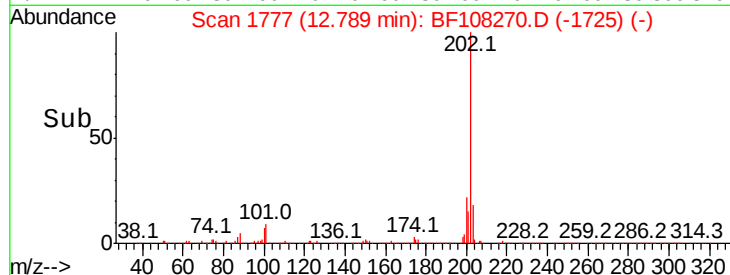
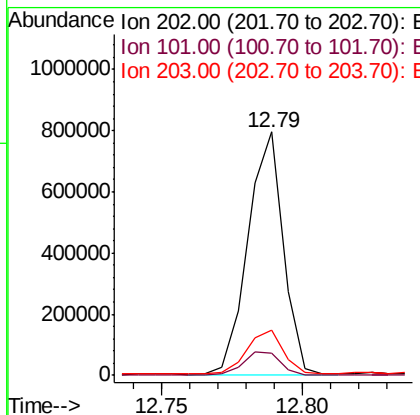
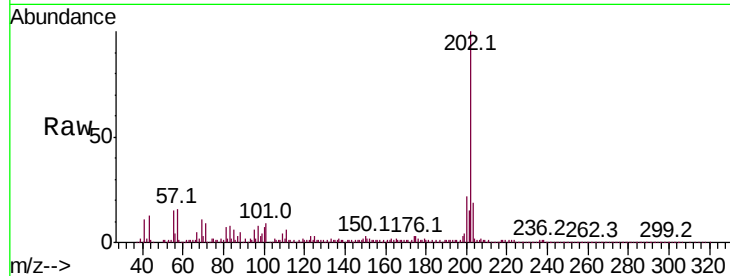
ClientSampleId :

RA-081418-ESW-15NSC-025

Tot Ion	Ratio	Resp	Lower	Upper
202	100	686878		
101	9.2	0.0	34.1	
203	18.5	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

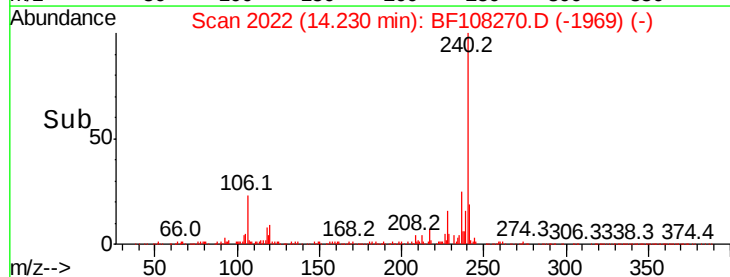
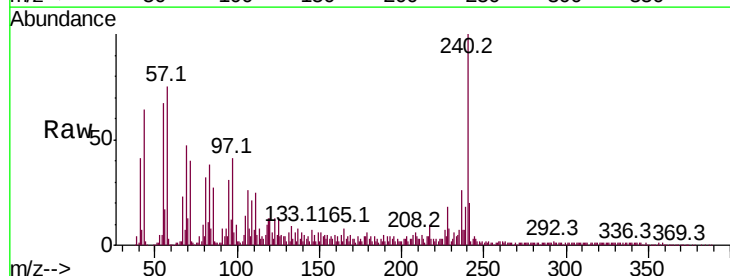
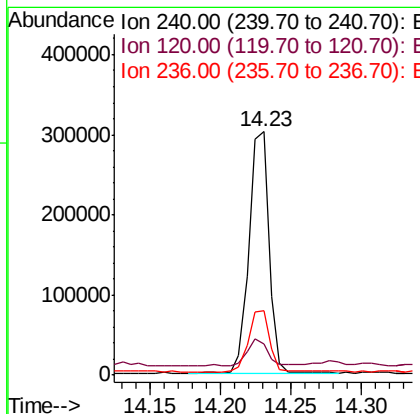
RT: 14.23 min Scan# 2022

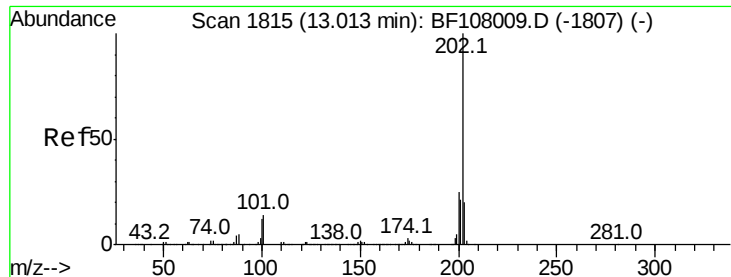
Delta R.T. 0.01 min

Lab File: BF108270.D

Acq: 18 Aug 2018 4:09

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	299843		
120	12.6	9.5	14.3	
236	26.3	20.7	31.1	





#77

Pvrene

Concen: 32.746 ng

RT: 13.02 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF108270.D

Acq: 18 Aug 2018 4:09

Instrument :

BNA_F

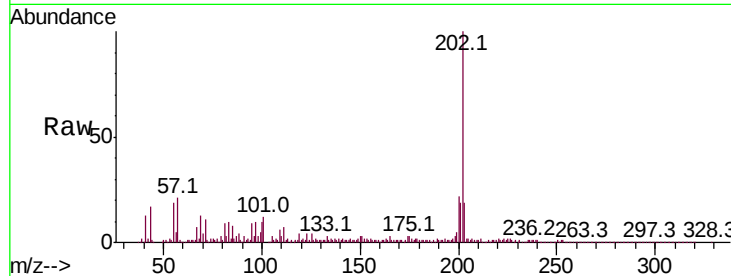
ClientSampleId :

RA-081418-ESW-15NSC-025

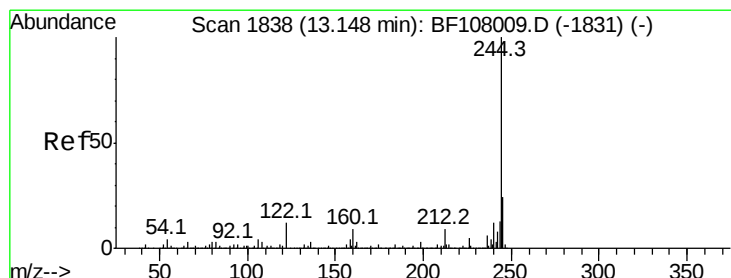
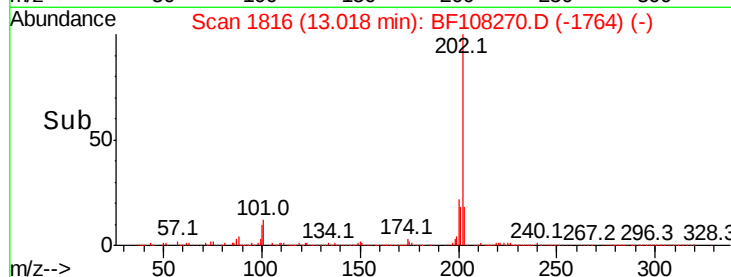
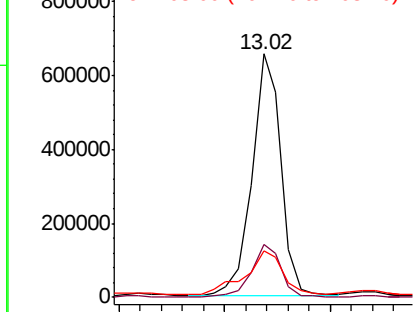
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.8	17.4	26.2
203	19.2	14.3	21.5

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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: 83.529 ng

RT: 13.15 min Scan# 1839

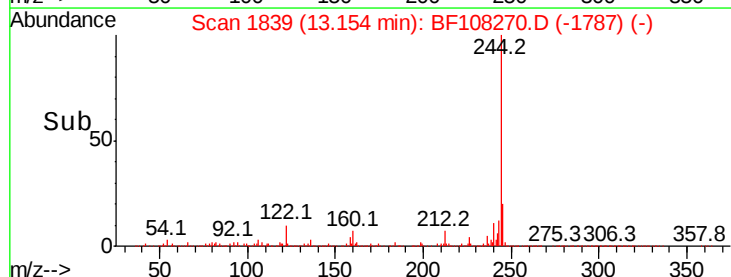
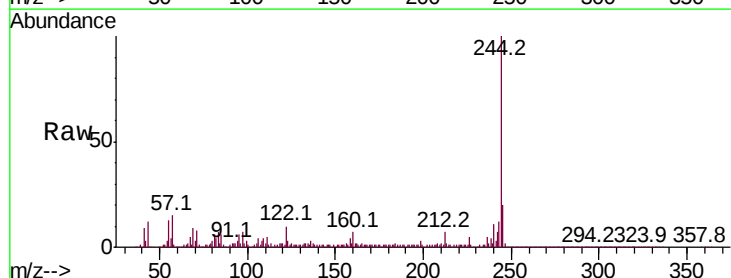
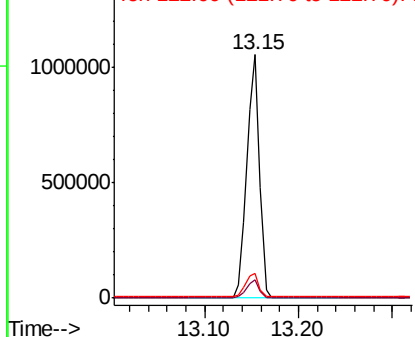
Delta R.T. 0.01 min

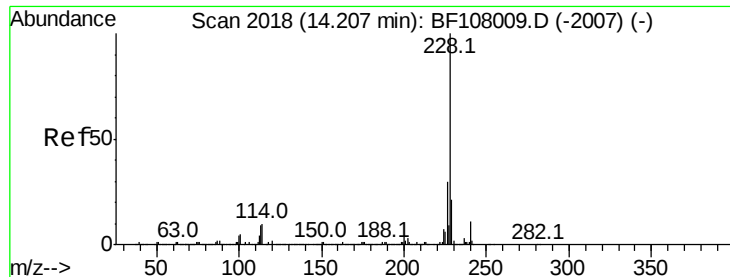
Lab File: BF108270.D

Acq: 18 Aug 2018 4:09

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	5.4	8.0
122	10.0	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





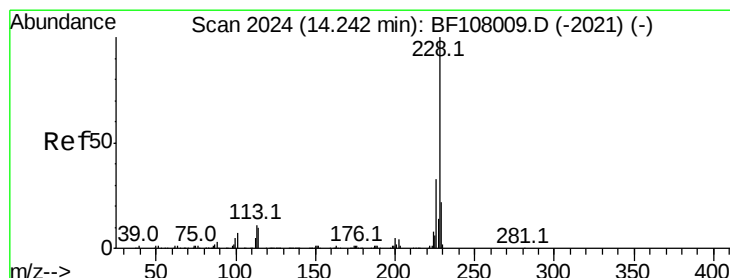
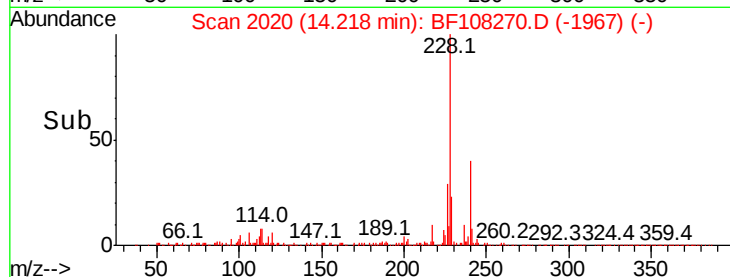
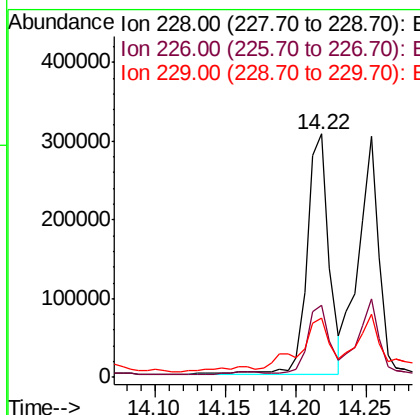
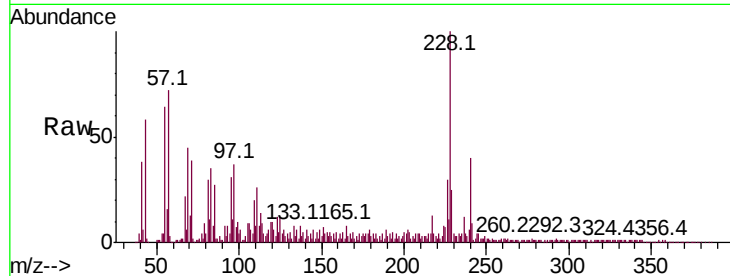
#80
Benzo(a)anthracene
Concen: 19.114 ng
RT: 14.22 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF108270.D
Acq: 18 Aug 2018 4:09

Instrument :
BNA_F
ClientSampleId :
RA-081418-ESW-15NSC-025

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	24.5	15.8	23.6

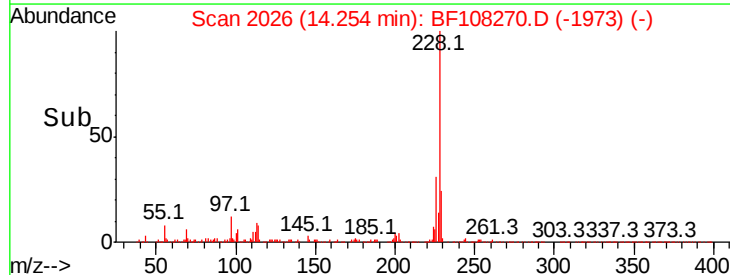
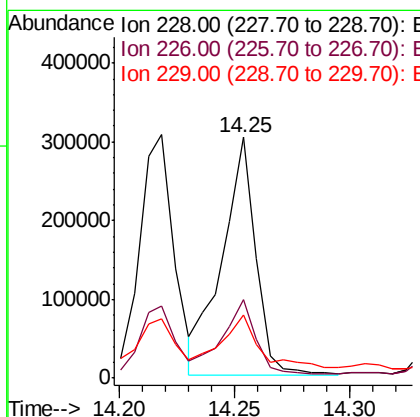
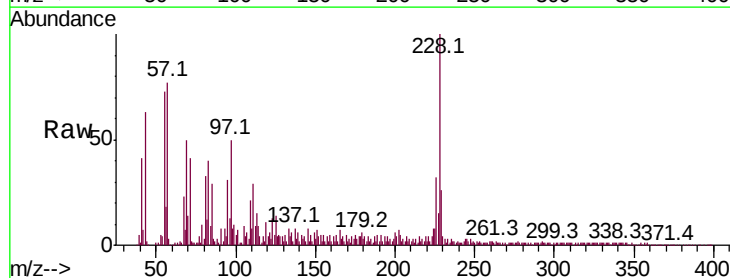
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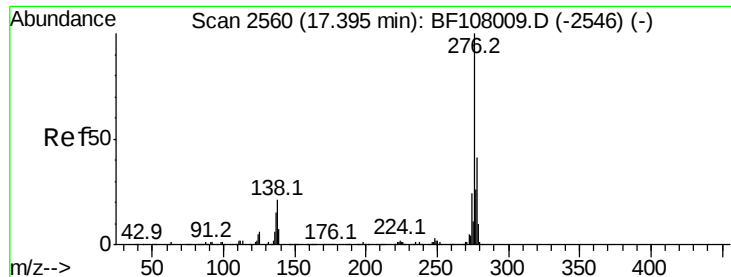
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#82
Chrysene
Concen: 19.480 ng
RT: 14.25 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF108270.D
Acq: 18 Aug 2018 4:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.0	37.6
229	26.4	16.2	24.4





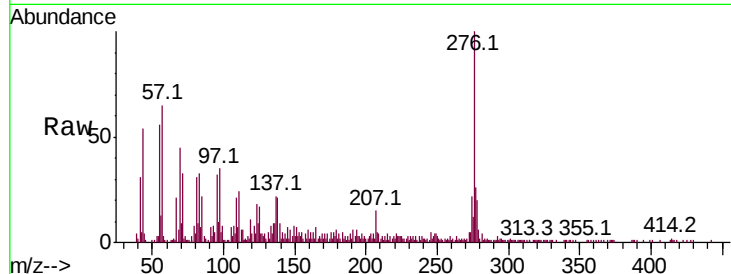
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.960 ng
RT: 17.42 min Scan# 2565
Delta R.T. 0.03 min
Lab File: BF108270.D
Acq: 18 Aug 2018 4:09

Instrument :
BNA_F
ClientSampleId :
RA-081418-ESW-15NSC-025

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.6	25.0	37.6#
277	24.9	20.1	30.1

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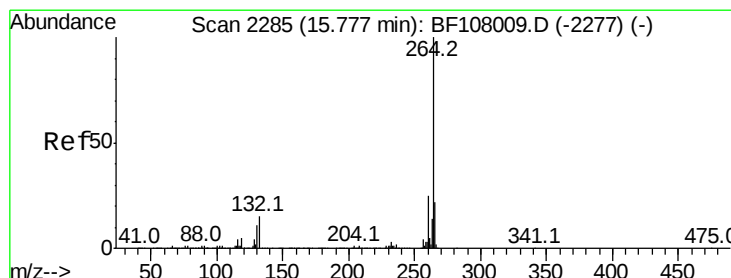
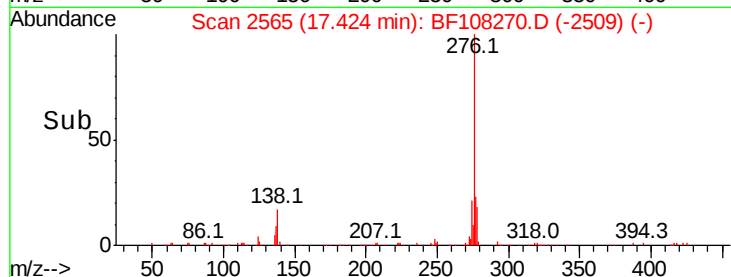
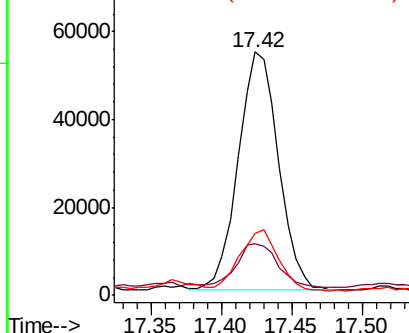


Abundance

Ion 276.00 (275.70 to 276.70): E

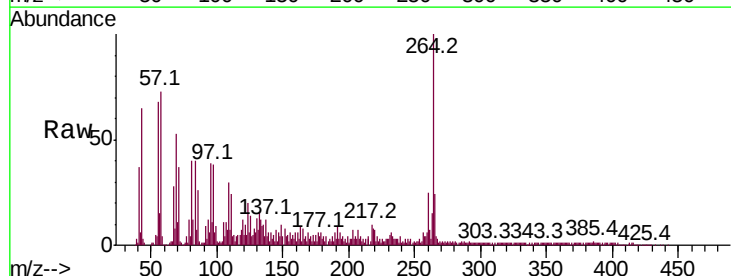
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.81 min Scan# 2290
Delta R.T. 0.03 min
Lab File: BF108270.D
Acq: 18 Aug 2018 4:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	23.7	17.5	26.3

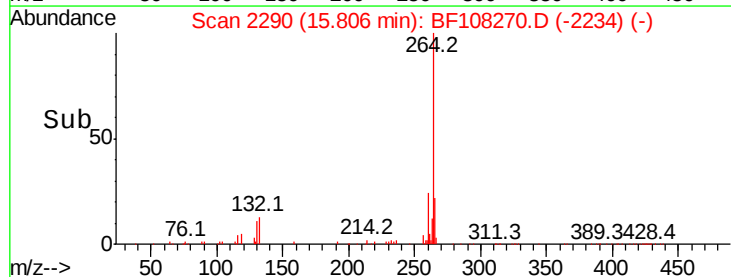
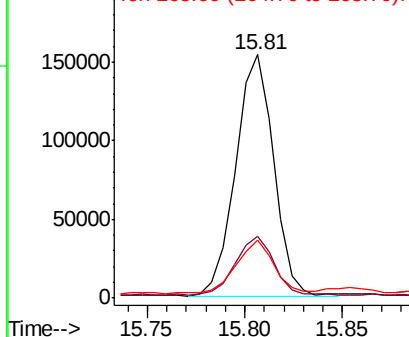


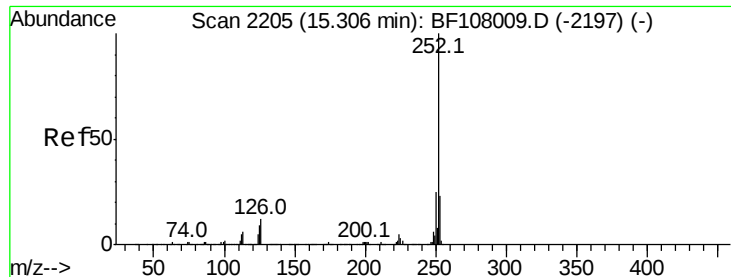
Abundance

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: 27.383 ng m

RT: 15.33 min Scan# 2209

Delta R.T. 0.02 min

Lab File: BF108270.D

Acq: 18 Aug 2018 4:09

Instrument :

BNA_F

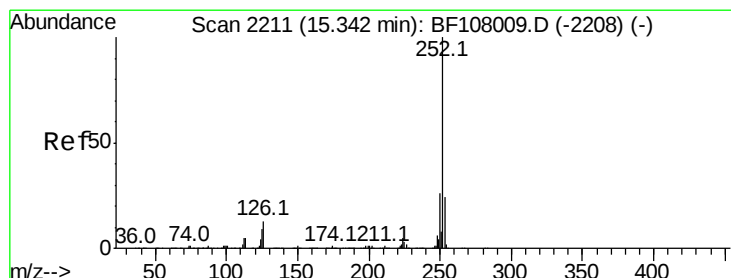
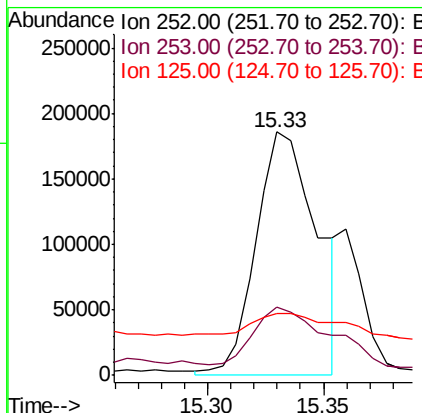
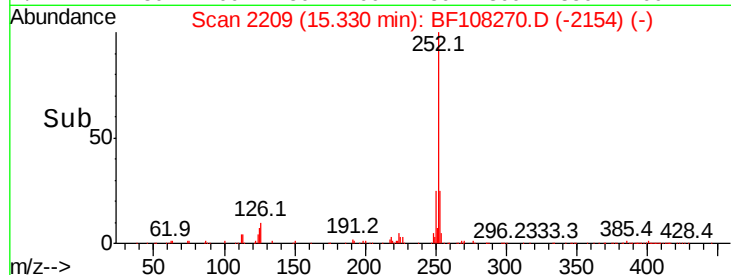
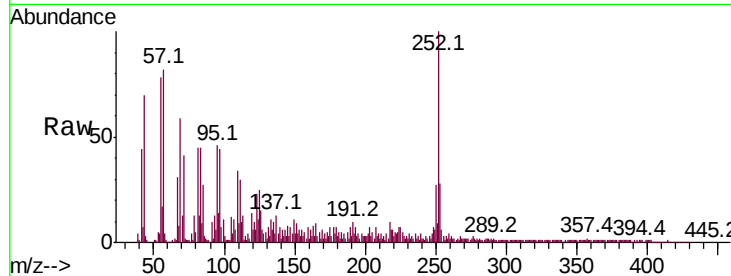
ClientSampleId :

RA-081418-ESW-15NSC-025

Tot Ion:	252	Resp:	339218
Ion Ratio	Lower	Upper	
252	100		
253	28.1	17.0	25.6#
125	25.4	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 7.783 ng m

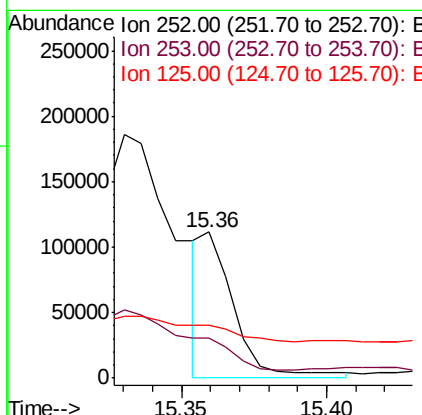
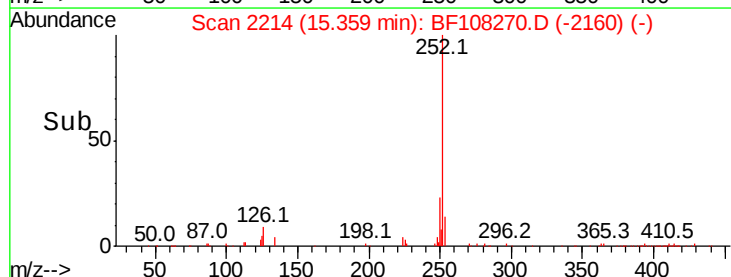
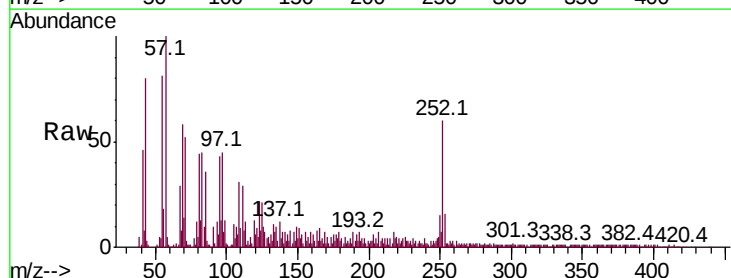
RT: 15.36 min Scan# 2214

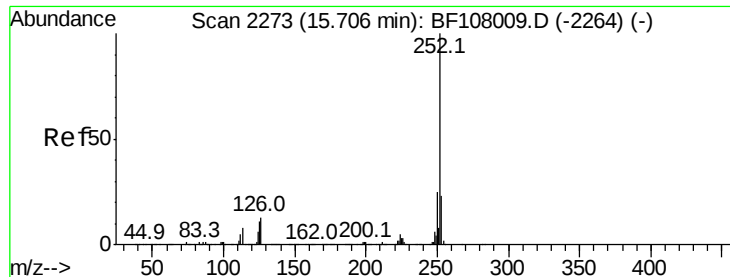
Delta R.T. 0.02 min

Lab File: BF108270.D

Acq: 18 Aug 2018 4:09

Tgt Ion:	252	Resp:	88626
Ion Ratio	Lower	Upper	
252	100		
253	27.3	17.9	26.9#
125	36.1	10.2	15.2#





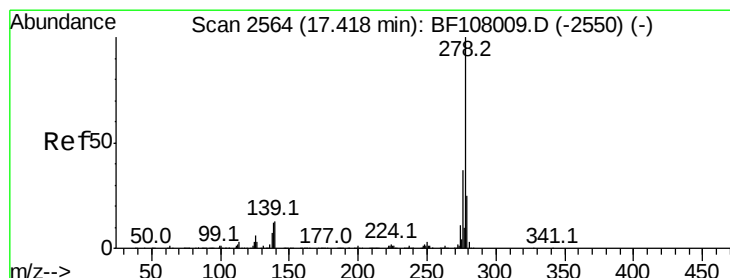
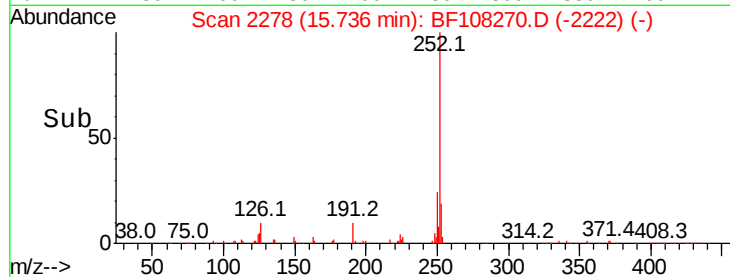
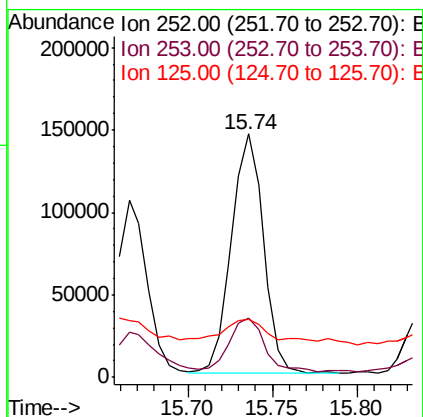
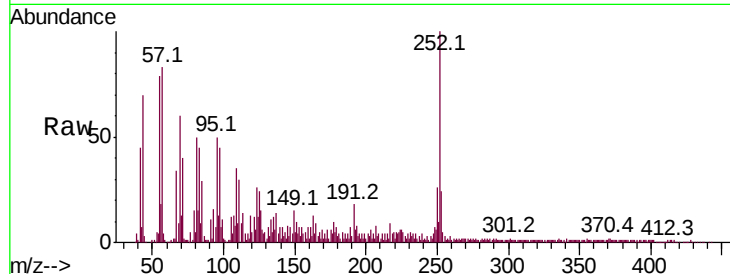
#89
Benzo(a)pyrene
Concen: 17.282 ng
RT: 15.74 min Scan# 2278
Delta R.T. 0.03 min
Lab File: BF108270.D
Acq: 18 Aug 2018 4:09

Instrument :
BNA_F
ClientSampleId :
RA-081418-ESW-15NSC-025

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	23.7	9.8	14.6

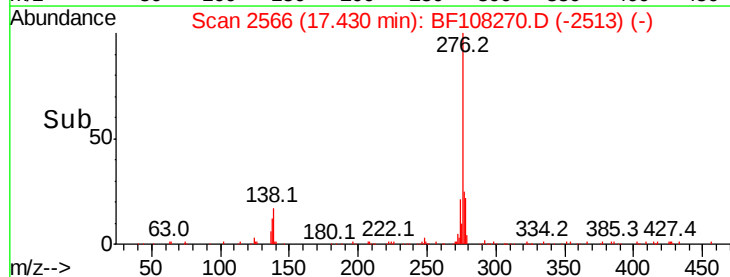
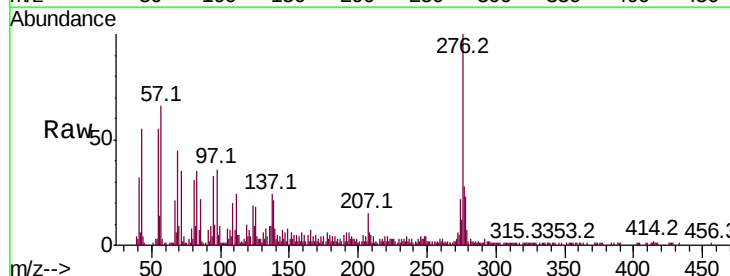
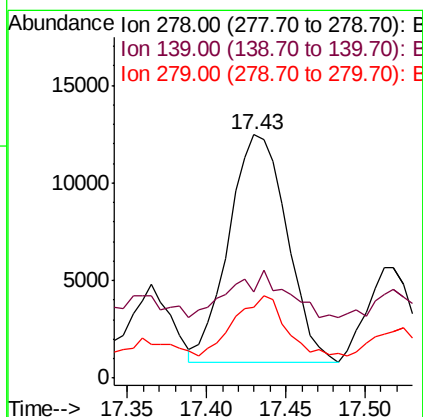
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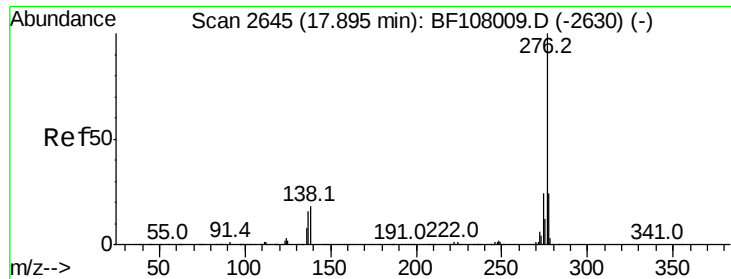
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 3.226 ng
RT: 17.43 min Scan# 2566
Delta R.T. 0.01 min
Lab File: BF108270.D
Acq: 18 Aug 2018 4:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	35.2	15.9	23.9
279	29.3	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 11.394 ng
 RT: 17.92 min Scan# 2650
 Delta R.T. 0.03 min
 Lab File: BF108270.D
 Acq: 18 Aug 2018 4:09

Instrument :
 BNA_F
 ClientSampleId :
 RA-081418-ESW-15NSC-025

Tot Ion:	276	Resp:	102979
Ion Ratio		Lower	Upper
276	100		
277	25.0	17.9	26.9
138	21.9	21.8	32.8

Manual Integrations
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