

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
 Data File : BF108351.D
 Acq On : 21 Aug 2018 21:36
 Operator : JU/SJ
 Sample : J4521-28DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-27245DL

Manual Integrations
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Quant Time: Aug 22 00:31:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 15:20:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	174361	20.00	ng	-0.01
21) Naphthalene-d8	8.29	136	668637	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	313921	20.00	ng	-0.02
63) Phenanthrene-d10	11.54	188	523759	20.00	ng	-0.02
75) Chrysene-d12	14.20	240	368276	20.00	ng	-0.02
86) Perylene-d12	15.75	264	347578	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	97905	10.17	ng	-0.01
7) Phenol-d6	6.61	99	133984	10.47	ng	-0.02
23) Nitrobenzene-d5	7.56	82	83800	6.99	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	27096	8.65	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	170624	8.73	ng	-0.02
78) Terphenyl-d14	13.12	244	127047	8.77	ng	-0.02
Target Compounds						
57) Fluorene	10.60	166	54369	2.676	ng	Qvalue 99
70) Phenanthrene	11.57	178	585360	23.695	ng	99
71) Anthracene	11.62	178	218418	8.626	ng	98
74) Fluoranthene	12.77	202	1072713	39.787	ng	96
77) Pyrene	13.00	202	915797	39.278	ng	100
80) Benzo(a)anthracene	14.19	228	507677	24.020	ng	98
82) Chrysene	14.22	228	366276	18.903	ng	97
85) Indeno(1,2,3-cd)pyrene	17.36	276	164516	9.799	ng	# 88
87) Benzo(b)fluoranthene	15.29	252	491706m	23.675	ng	
88) Benzo(k)fluoranthene	15.31	252	169931m	8.901	ng	
89) Benzo(a)pyrene	15.69	252	359585m	19.334	ng	
90) Dibenzo(a,h)anthracene	17.37	278	47162m	3.065	ng	
91) Benzo(a,h,i)perylene	17.85	276	139243	9.189	ng	# 87

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

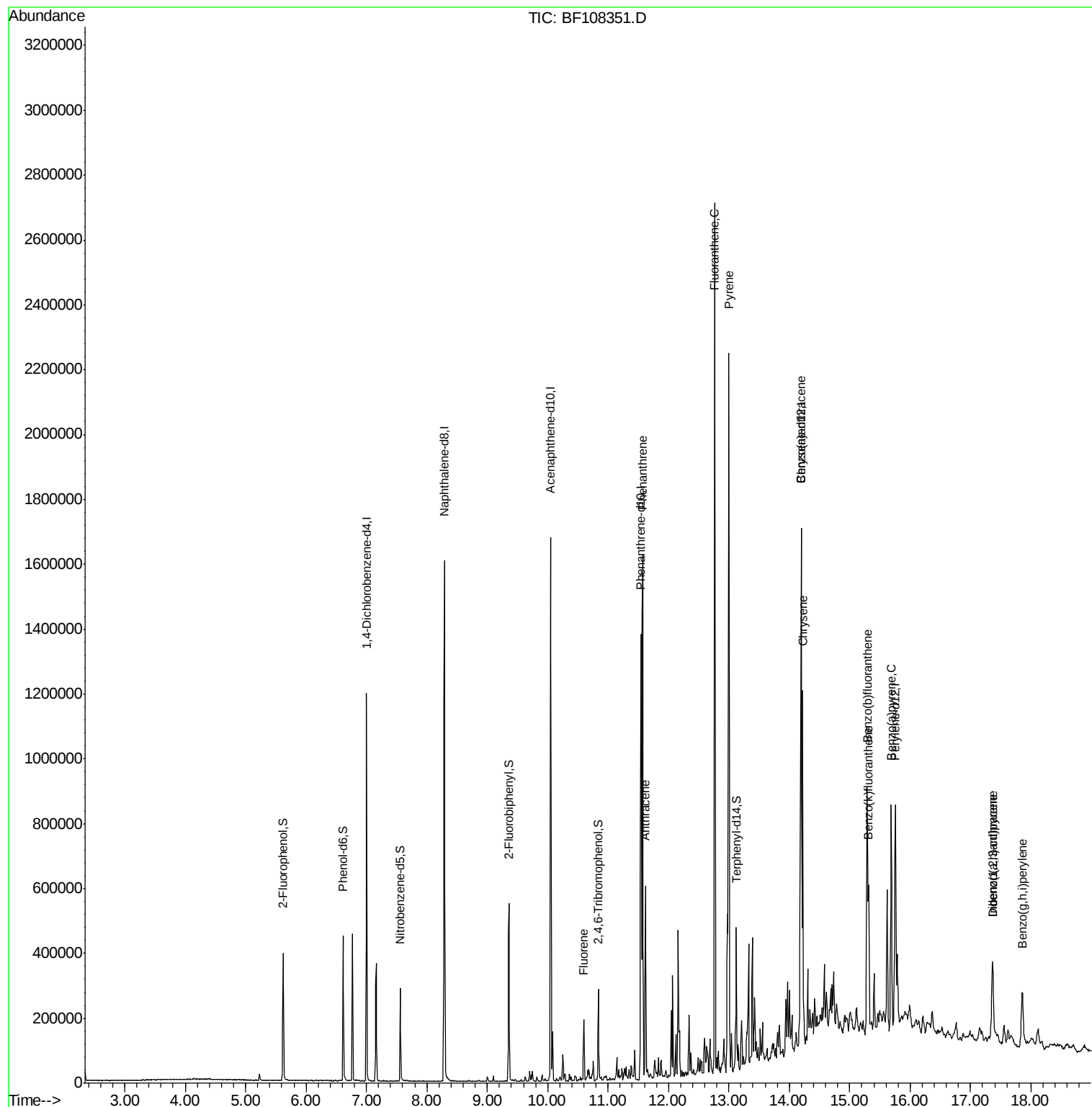
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
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#1

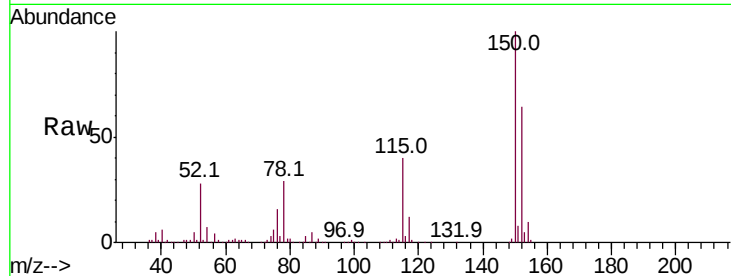
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

Instrument :
BNA_F
ClientSampleId :
CHRT-27245DL

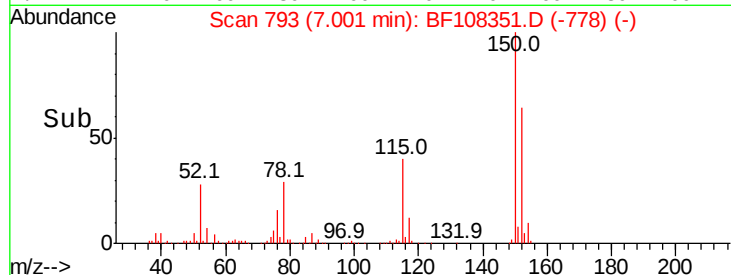
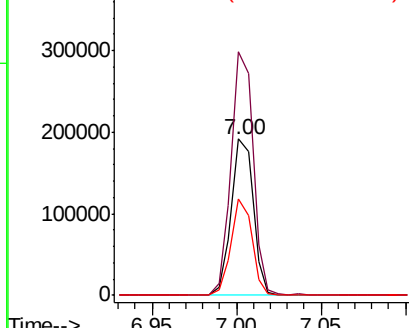
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	62.1	50.1	75.1

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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

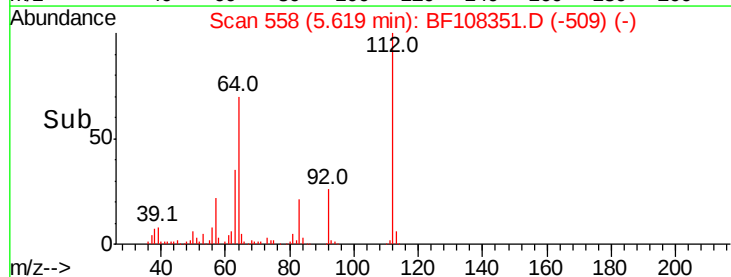
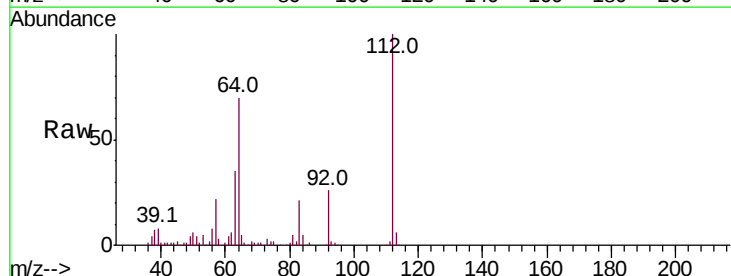
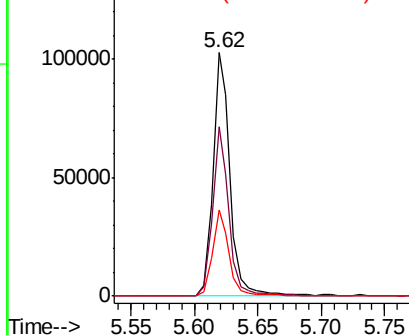


#5

2-Fluorophenol
Concen: 10.166 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	47.9	71.9
63	35.1	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: 10.469 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108351.D

Acq: 21 Aug 2018 21:36

Instrument :

BNA_F

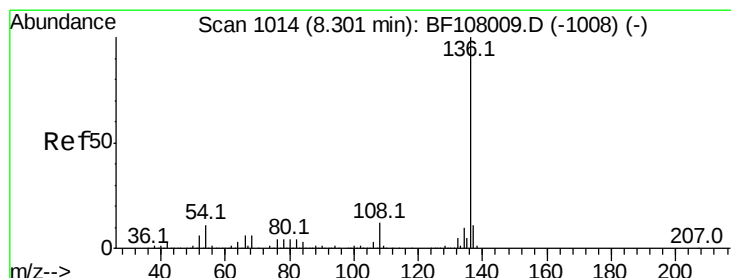
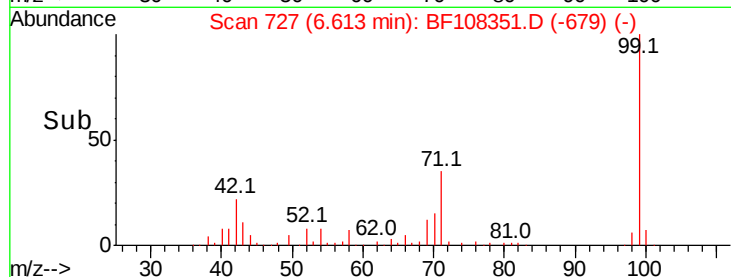
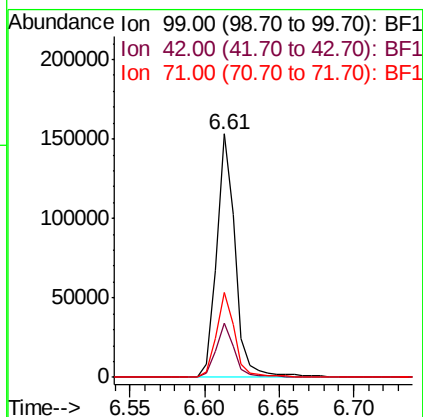
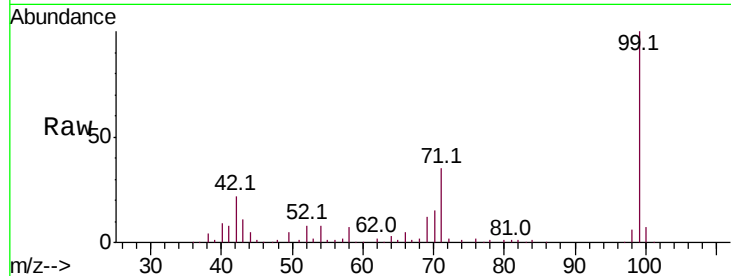
ClientSampleId :

CHRT-27245DL

Tot Ion:	99	Resp:	133984
Ion Ratio	Lower	Upper	
99	100		
42	22.0	14.5	21.7#
71	34.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

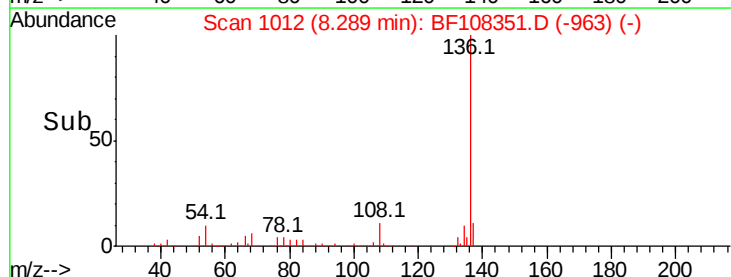
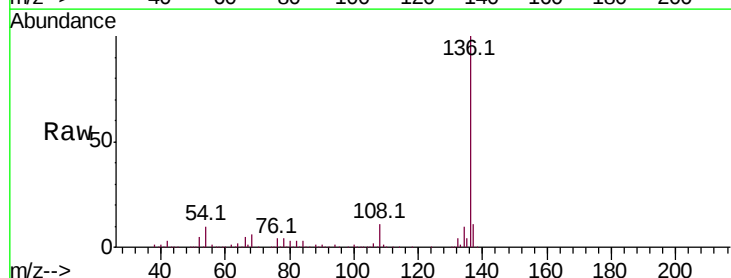
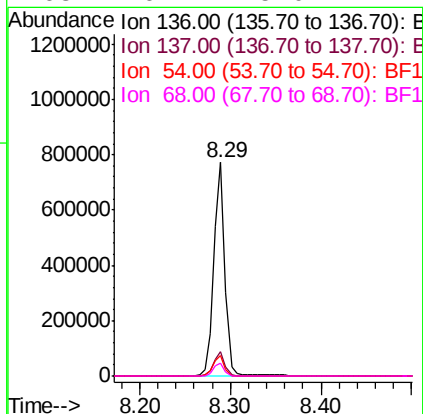
RT: 8.29 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF108351.D

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Tgt Ion:	136	Resp:	668637
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	9.6	6.6	9.8
68	6.2	5.0	7.4





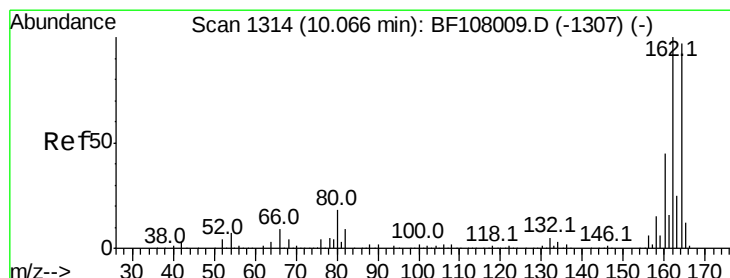
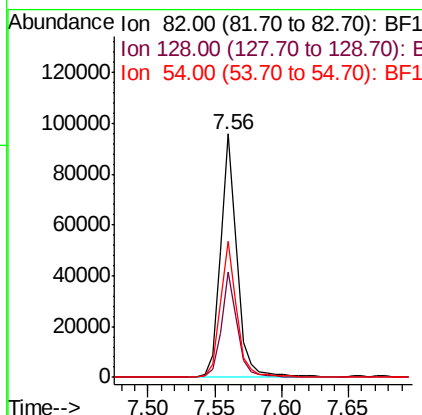
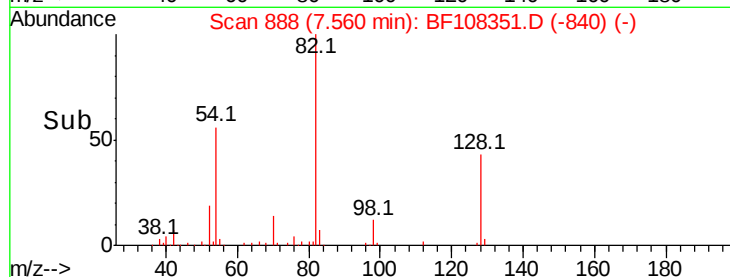
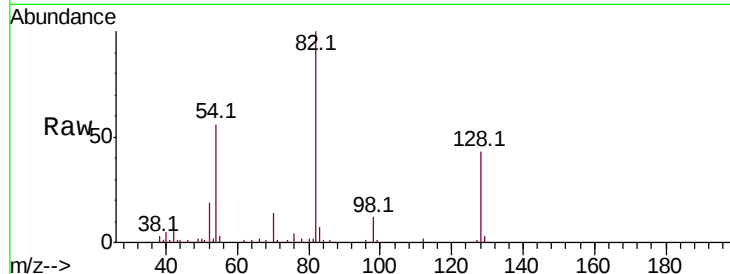
#23
Nitrobenzene-d5
Concen: 6.994 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

Instrument :
BNA_F
ClientSampleId :
CHRT-27245DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.1	36.1	54.1
54	56.1	41.4	62.2

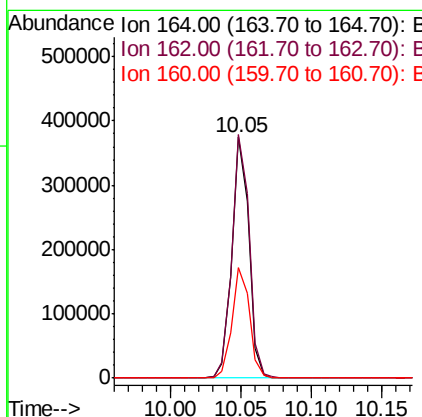
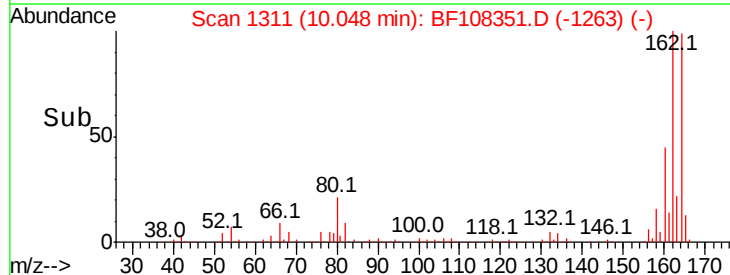
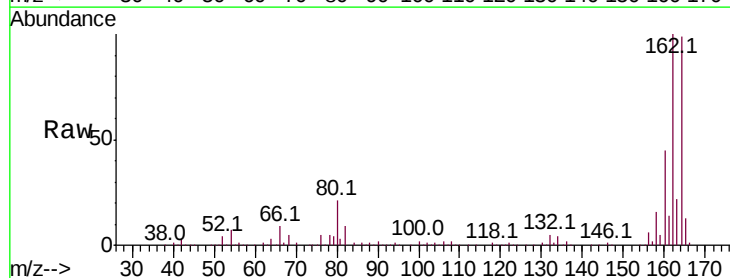
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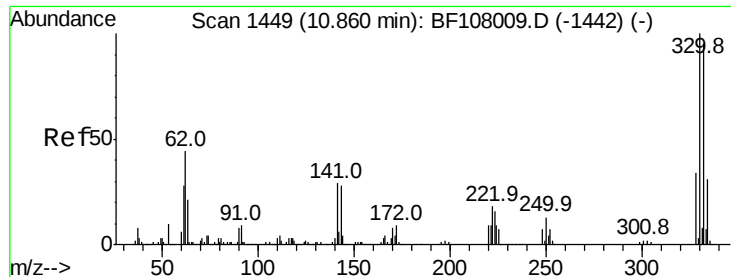
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	86.1	129.1
160	46.0	38.3	57.5





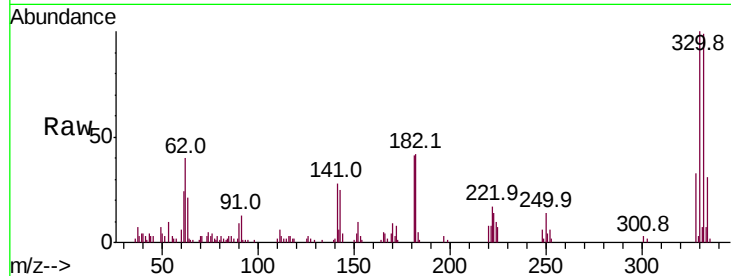
#41
 2,4,6-Tribromophenol
 Concen: 8.653 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF108351.D
 Acq: 21 Aug 2018 21:36

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-27245DL

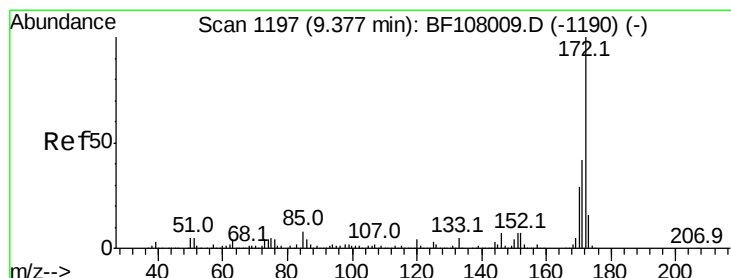
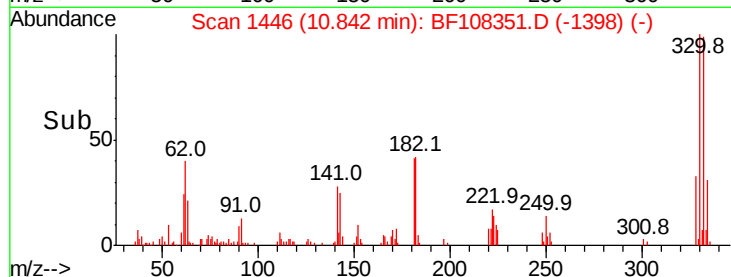
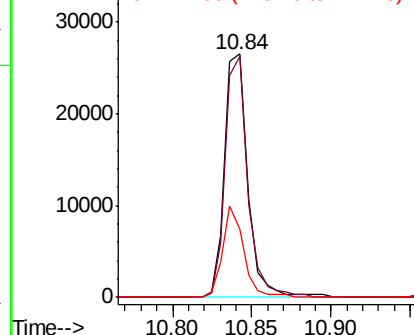
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	33.7	29.9	44.9

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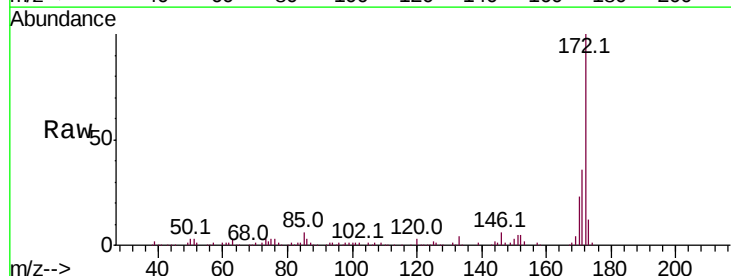


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

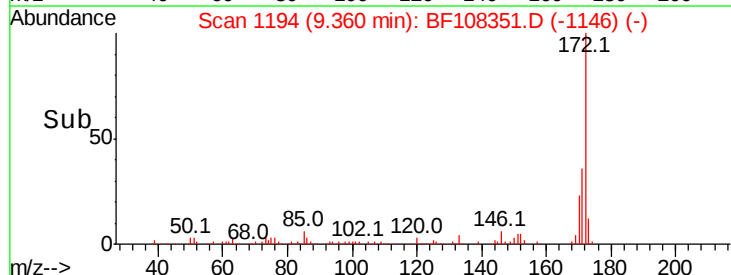
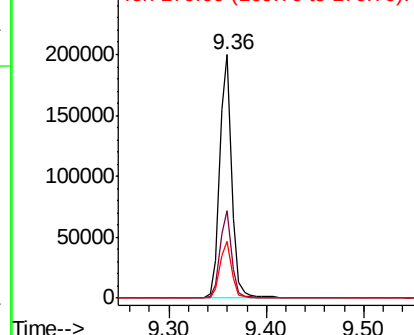


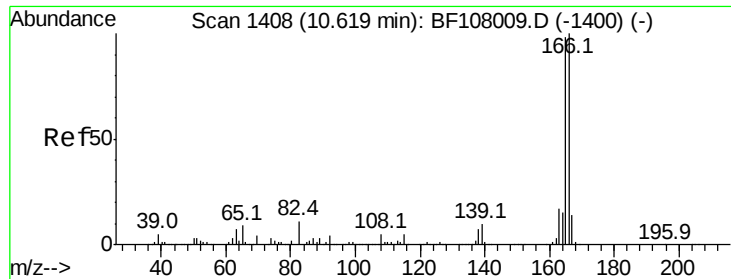
#44
 2-Fluorobiphenyl
 Concen: 8.726 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.02 min
 Lab File: BF108351.D
 Acq: 21 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.2	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





#57

Fluorene

Concen: 2.676 ng

RT: 10.60 min Scan# 1405

Delta R.T. -0.02 min

Lab File: BF108351.D

Acq: 21 Aug 2018 21:36

Instrument :

BNA_F

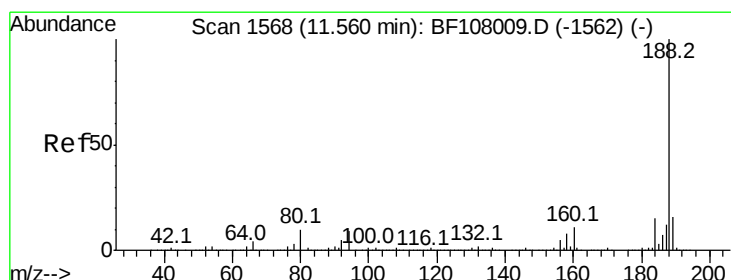
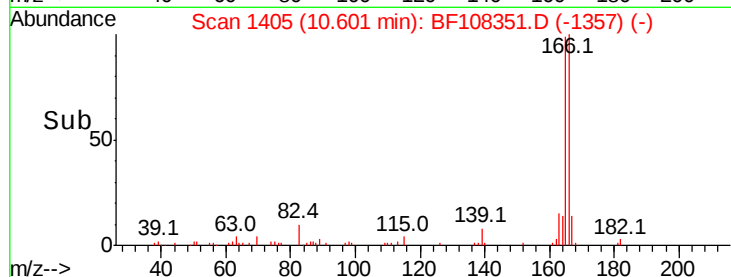
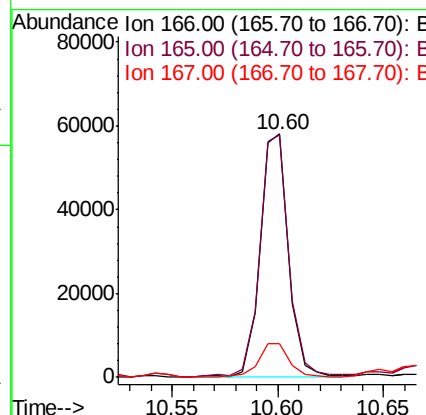
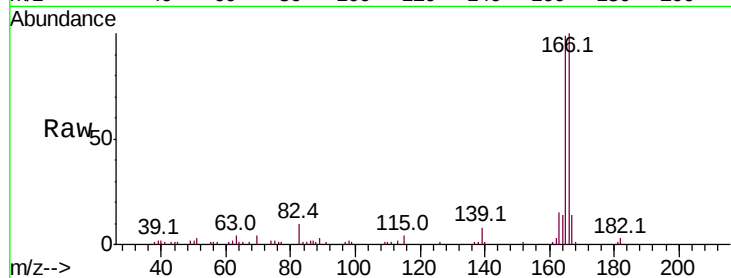
ClientSampleId :

CHRT-27245DL

Tot Ion:	166	Resp:	54369
Ion Ratio	Lower	Upper	
166	100		
165	99.4	79.8	119.8
167	13.9	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

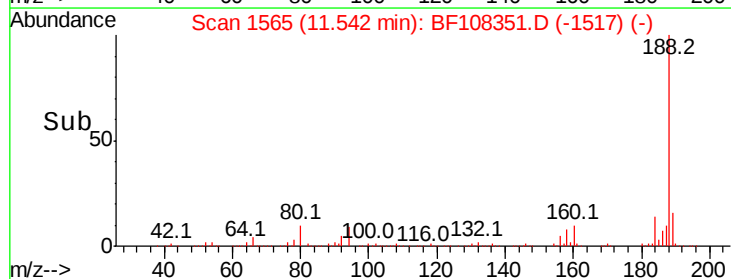
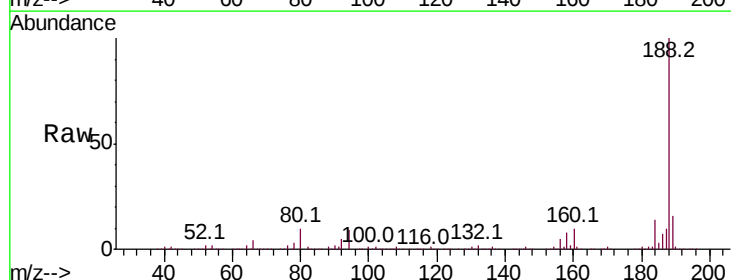
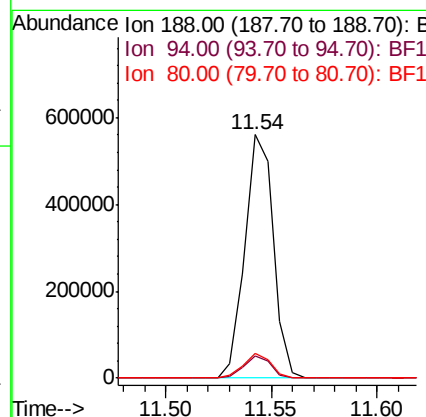
RT: 11.54 min Scan# 1565

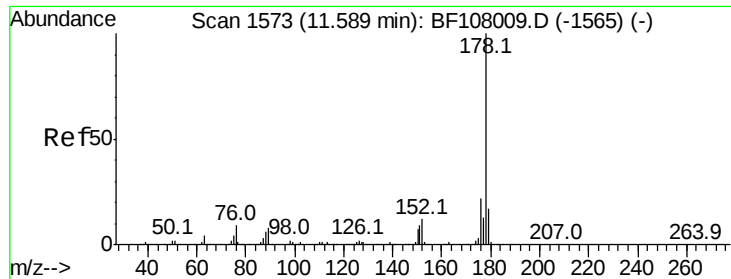
Delta R.T. -0.02 min

Lab File: BF108351.D

Acq: 21 Aug 2018 21:36

Tgt Ion:	188	Resp:	523759
Ion Ratio	Lower	Upper	
188	100		
94	8.9	8.5	12.7
80	10.4	9.2	13.8





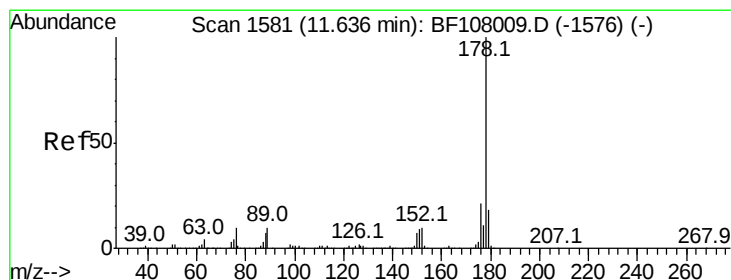
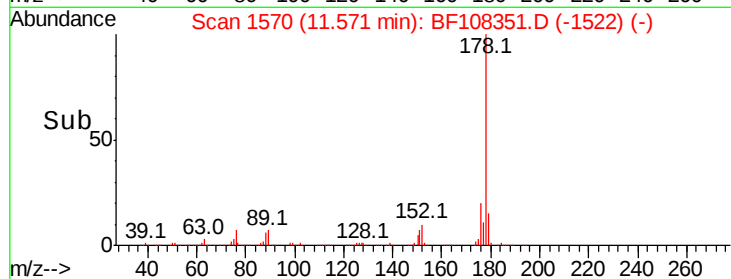
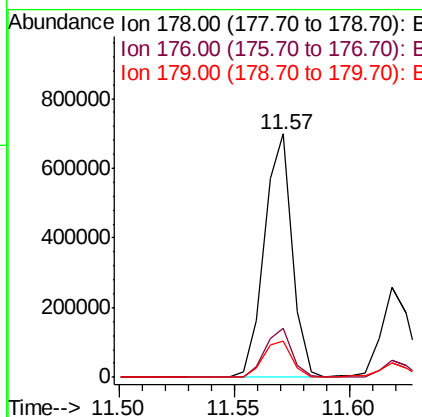
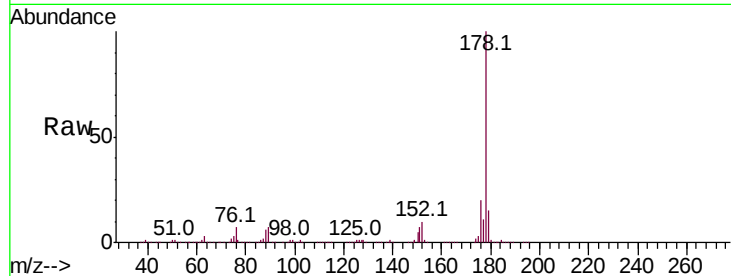
#70
Phenanthrene
Concen: 23.695 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

Instrument :
BNA_F
ClientSampleId :
CHRT-27245DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.1	13.0	19.6

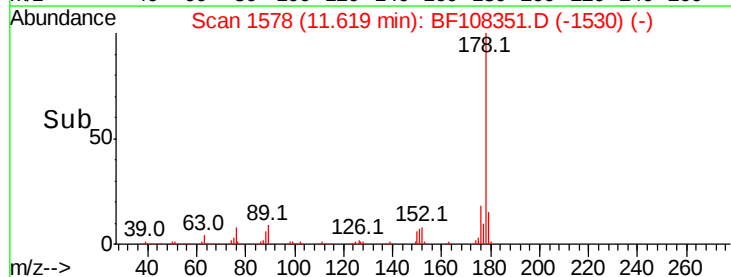
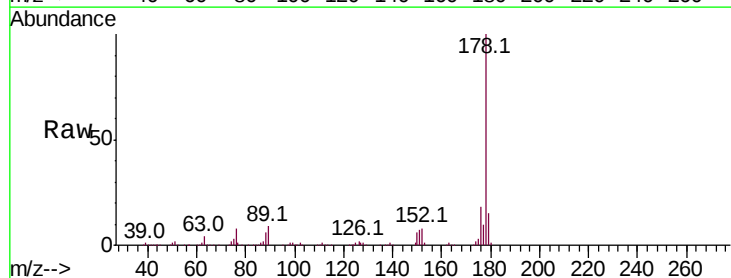
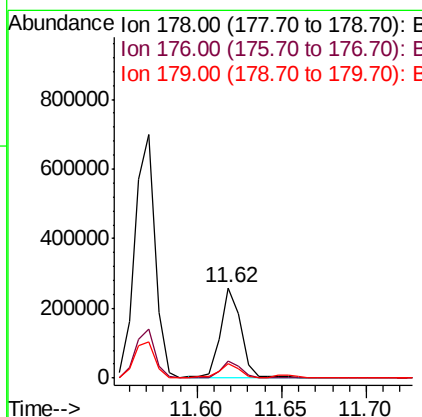
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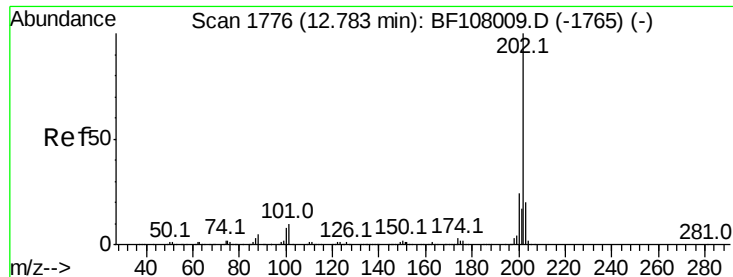
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#71
Anthracene
Concen: 8.626 ng
RT: 11.62 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.4	12.6	19.0





#74

Fluoranthene

Concen: 39.787 ng

RT: 12.77 min Scan# 1773

Delta R.T. -0.02 min

Lab File: BF108351.D

Acq: 21 Aug 2018 21:36

Instrument :

BNA_F

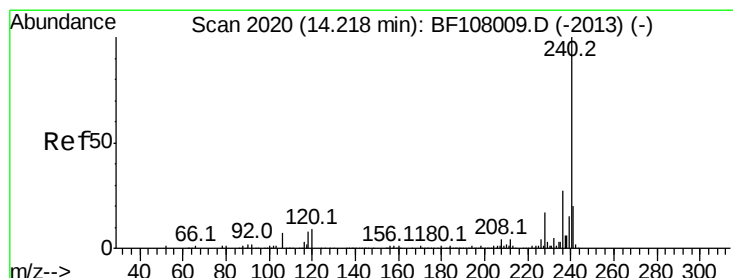
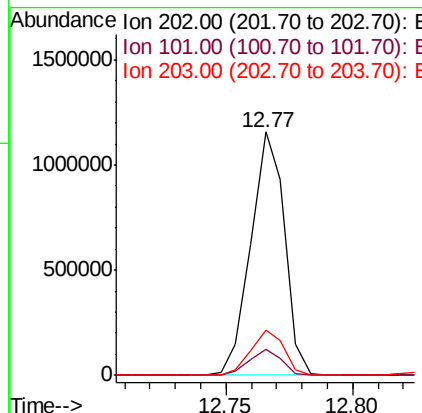
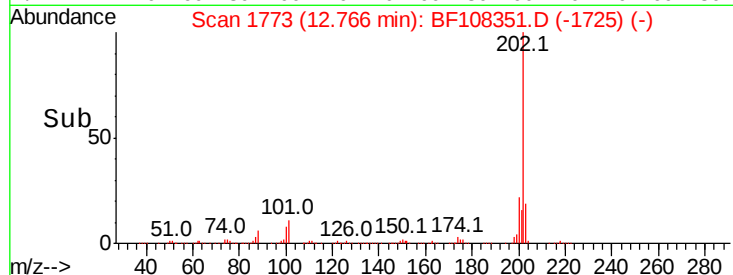
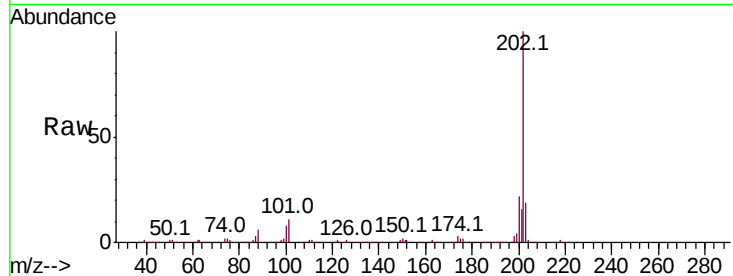
ClientSampleId :

CHRT-27245DL

Tot Ion:	202	Resp:	1072713
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	34.1
203	18.6	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

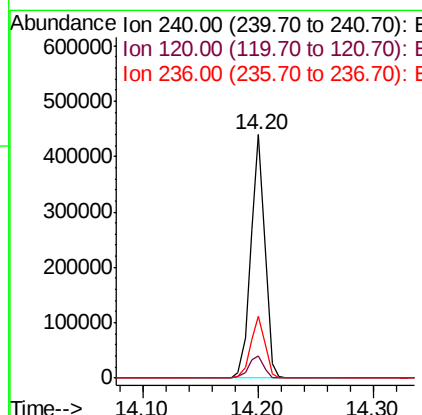
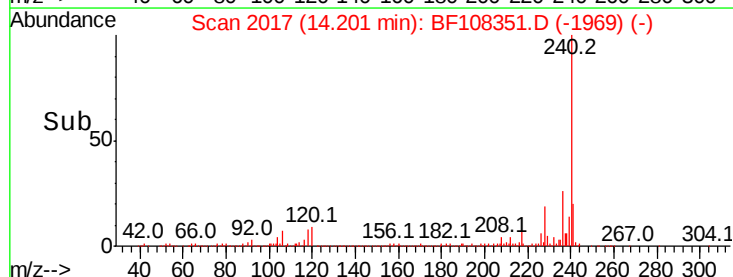
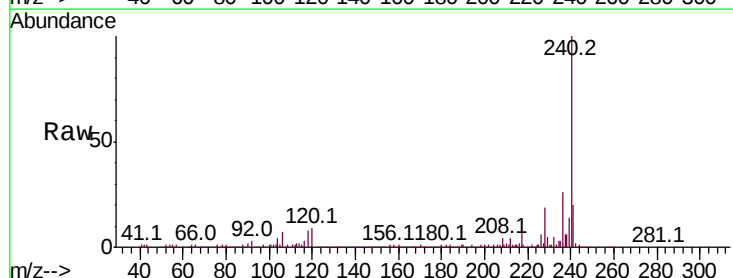
RT: 14.20 min Scan# 2017

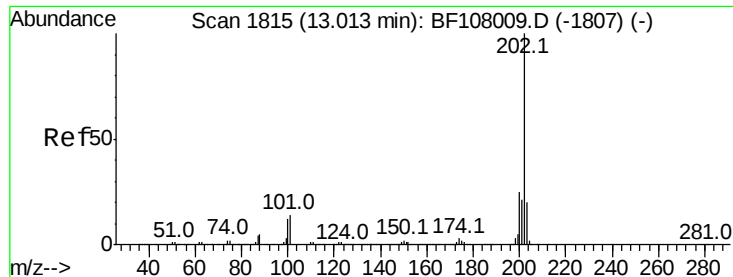
Delta R.T. -0.02 min

Lab File: BF108351.D

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Tgt Ion:	240	Resp:	368276
Ion Ratio	Lower	Upper	
240	100		
120	9.1	9.5	14.3#
236	25.6	20.7	31.1





#77

Pvrene

Concen: 39.278 ng

RT: 13.00 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF108351.D

Acq: 21 Aug 2018 21:36

Instrument :

BNA_F

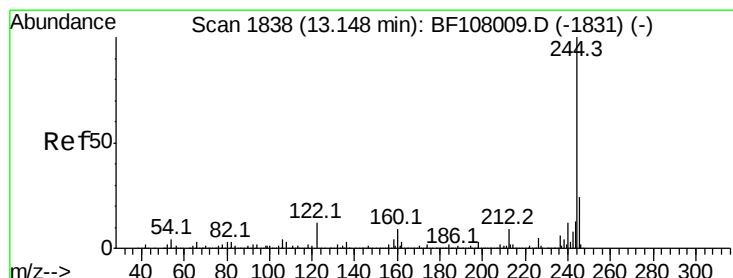
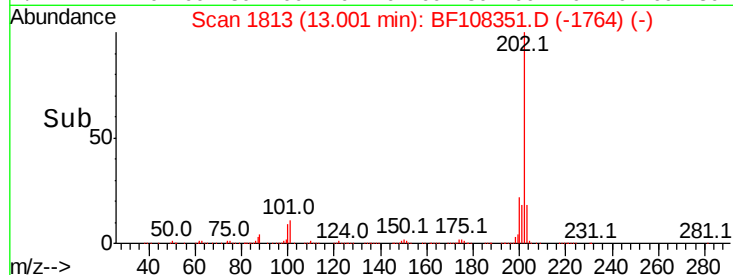
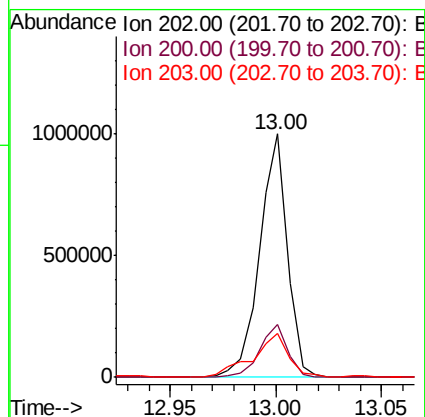
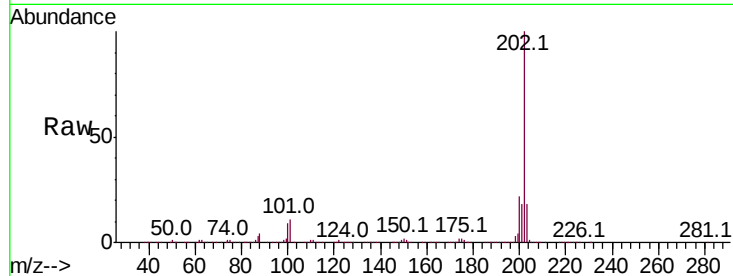
ClientSampleId :

CHRT-27245DL

Tot Ion:	202	Resp:	915797
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	18.0	14.3	21.5

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#78

Terphenyl-d14

Concen: 8.771 ng

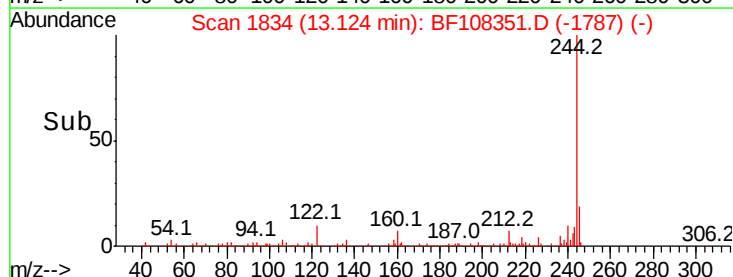
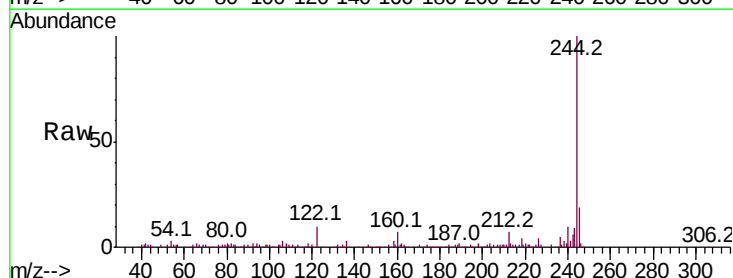
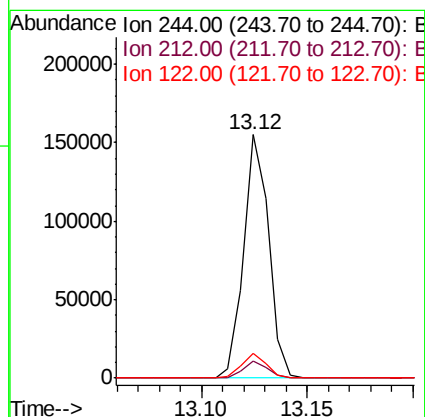
RT: 13.12 min Scan# 1834

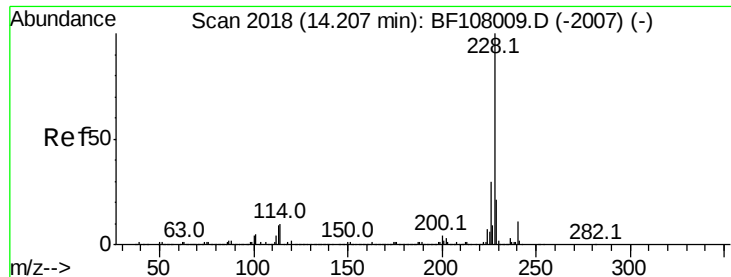
Delta R.T. -0.02 min

Lab File: BF108351.D

Acq: 21 Aug 2018 21:36

Tgt Ion:	244	Resp:	127047
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	10.3	11.0	16.4#





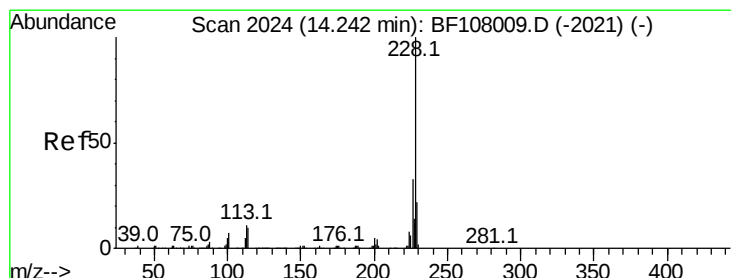
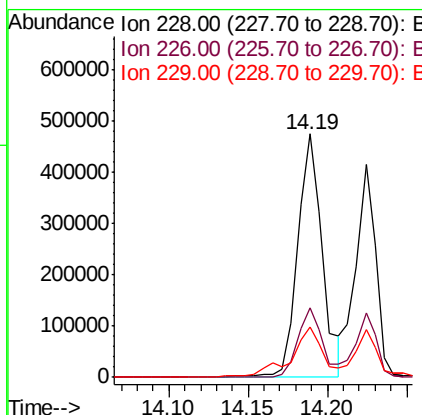
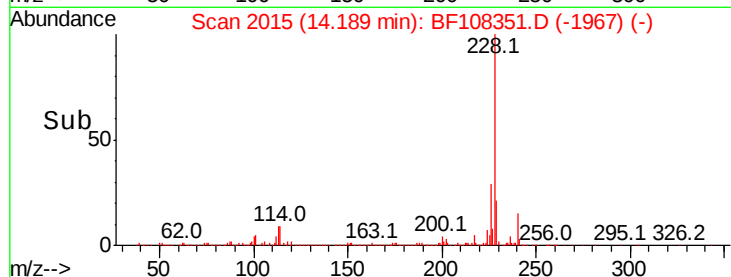
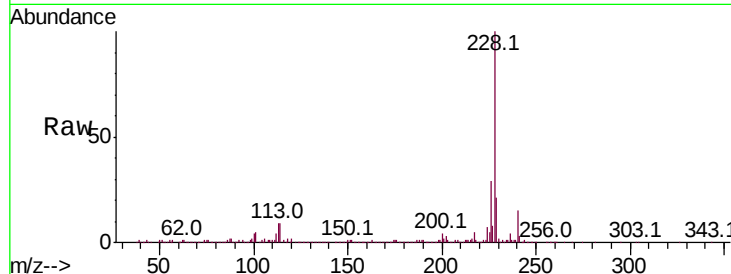
#80
Benzo(a)anthracene
Concen: 24.020 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.02 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

Instrument :
BNA_F
ClientSampleId :
CHRT-27245DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	20.9	15.8	23.6

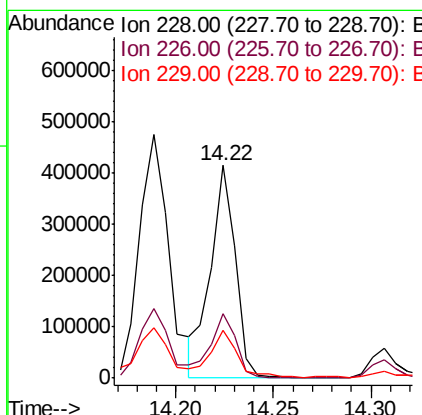
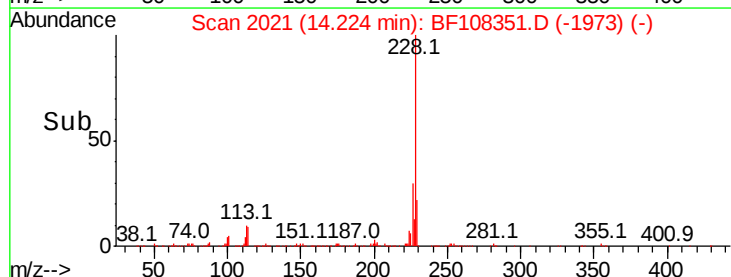
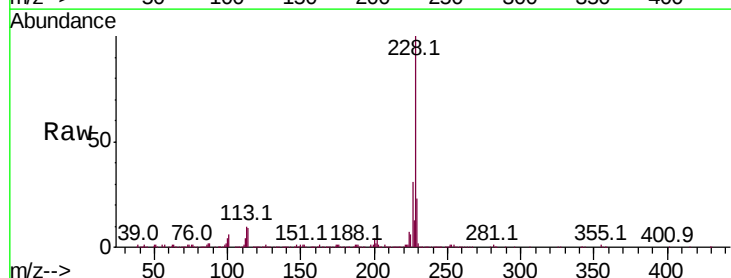
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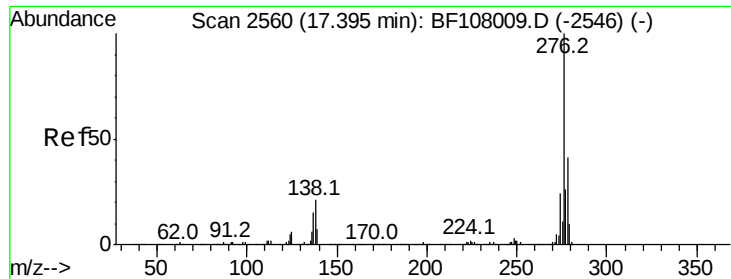
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#82
Chrysene
Concen: 18.903 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.7	16.2	24.4





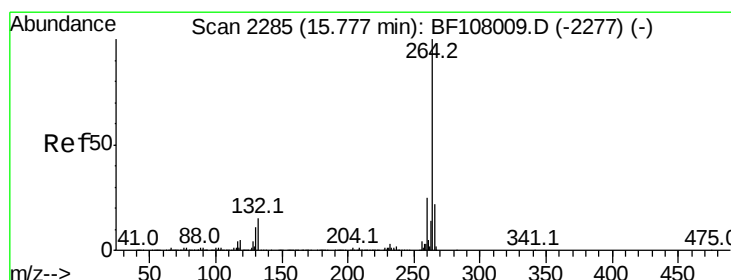
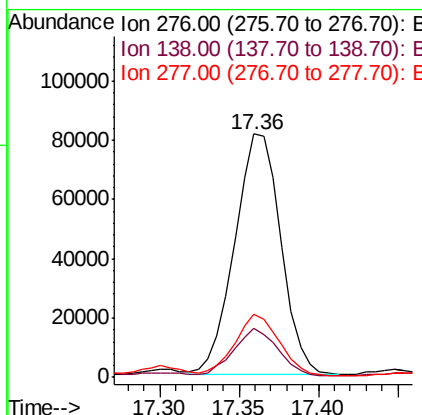
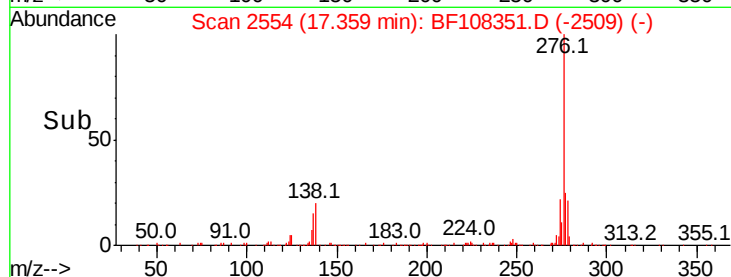
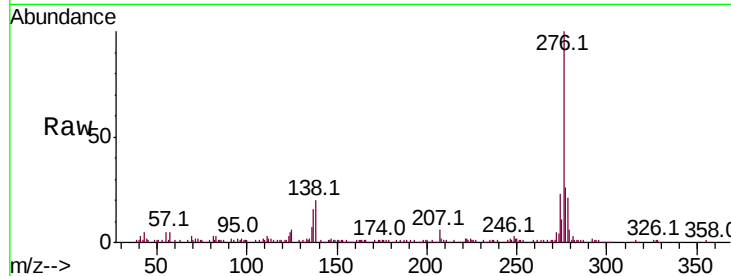
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.799 ng
 RT: 17.36 min Scan# 2554
 Delta R.T. -0.04 min
 Lab File: BF108351.D
 Acq: 21 Aug 2018 21:36

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-27245DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.1	25.0	37.6#
277	25.0	20.1	30.1

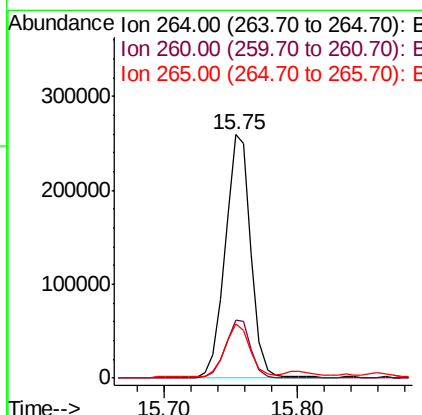
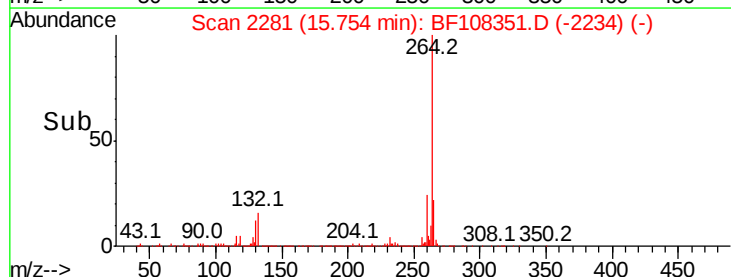
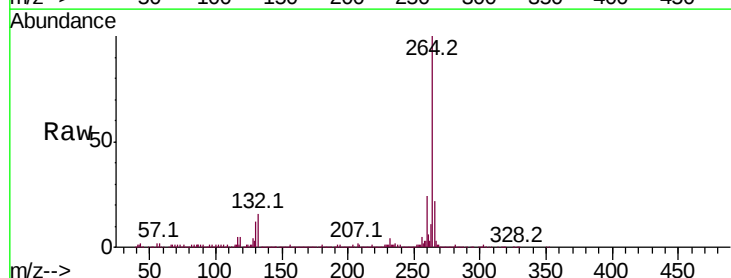
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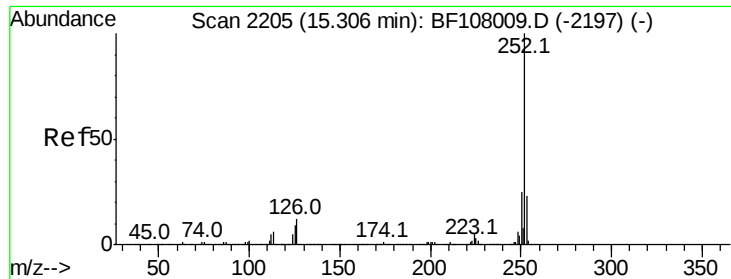
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.75 min Scan# 2281
 Delta R.T. -0.02 min
 Lab File: BF108351.D
 Acq: 21 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.3	17.5	26.3





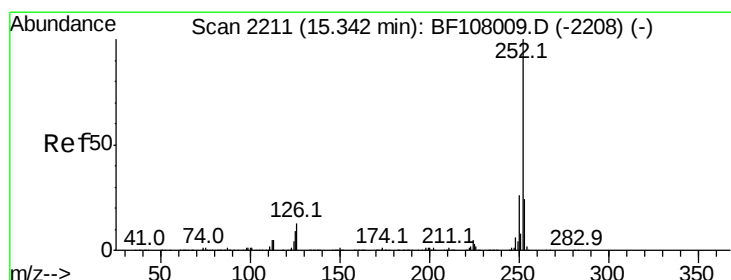
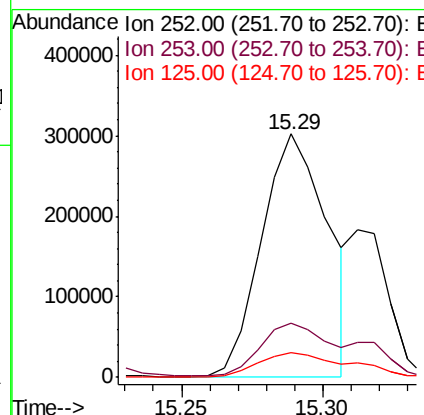
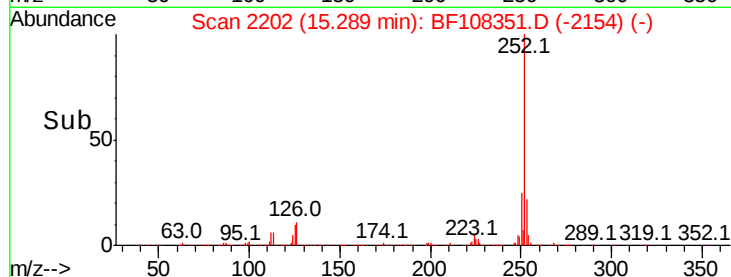
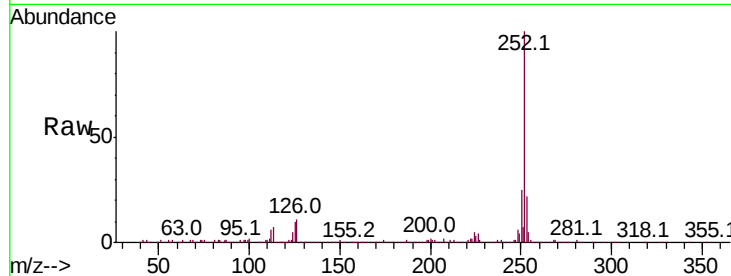
#87
Benzo(b)fluoranthene
Concen: 23.675 ng m
RT: 15.29 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

Instrument :
BNA_F
ClientSampleId :
CHRT-27245DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	10.1	9.0	13.6

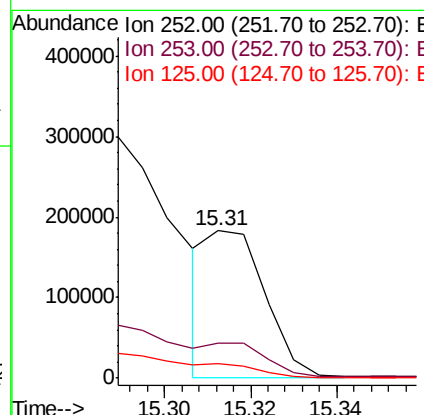
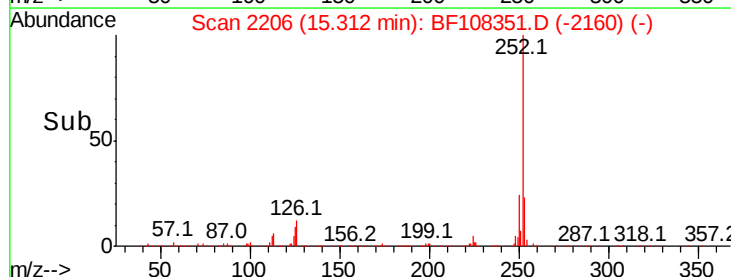
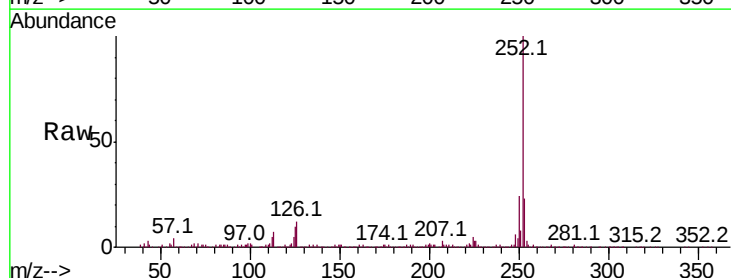
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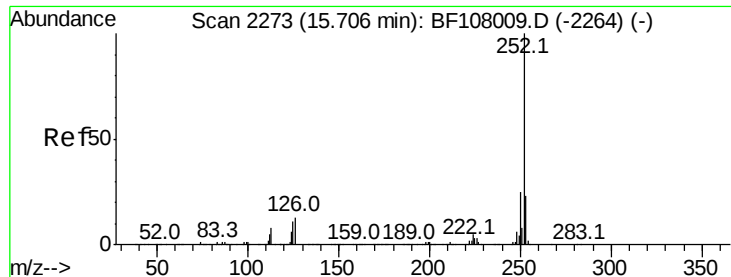
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#88
Benzo(k)fluoranthene
Concen: 8.901 ng m
RT: 15.31 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	9.7	10.2	15.2#





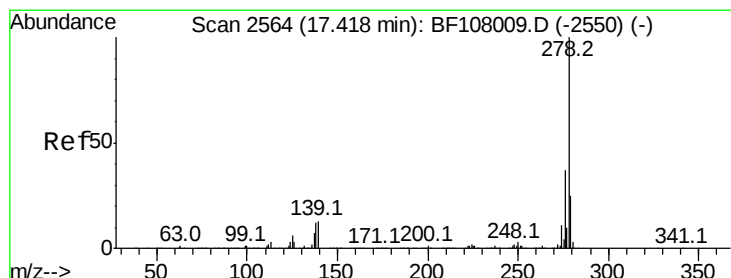
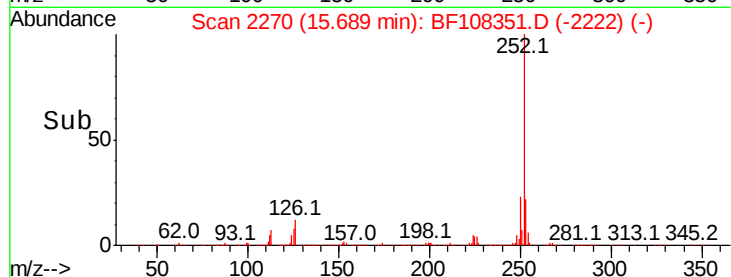
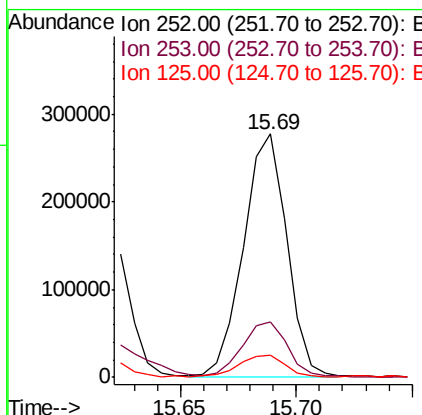
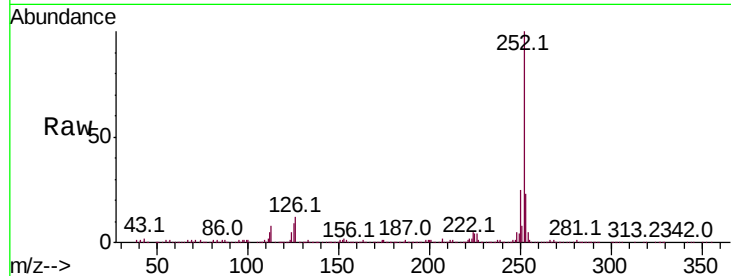
#89
Benzo(a)pyrene
Concen: 19.334 ng m
RT: 15.69 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

Instrument :
BNA_F
ClientSampleId :
CHRT-27245DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	9.2	9.8	14.6

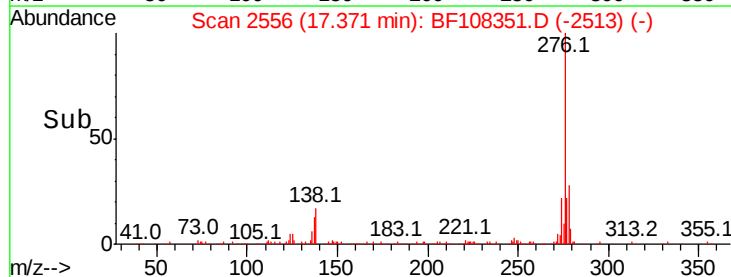
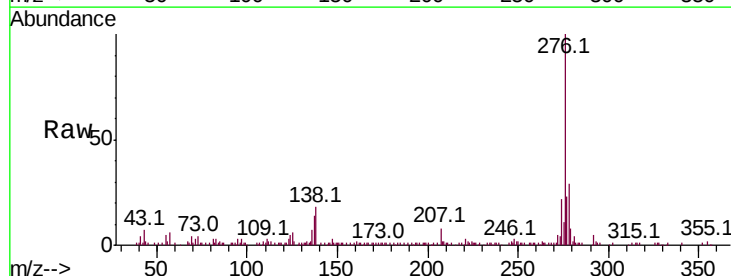
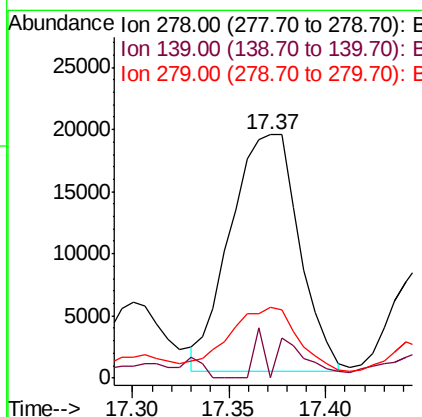
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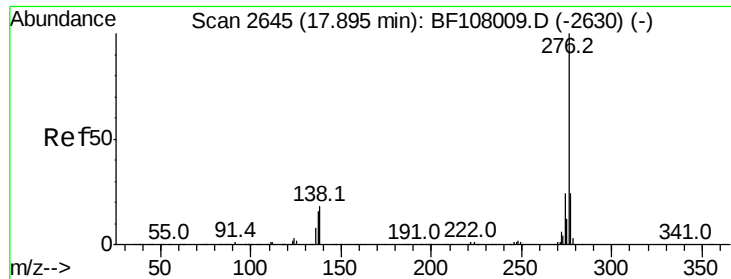
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#90
Dibenzo(a,h)anthracene
Concen: 3.065 ng m
RT: 17.37 min Scan# 2556
Delta R.T. -0.05 min
Lab File: BF108351.D
Acq: 21 Aug 2018 21:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9
279	29.2	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 9.189 ng
 RT: 17.85 min Scan# 2638
 Delta R.T. -0.04 min
 Lab File: BF108351.D
 Acq: 21 Aug 2018 21:36

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-27245DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.9	26.9
138	16.9	21.8	32.8

Manual Integrations
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