

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
 Data File : BF108301.D
 Acq On : 20 Aug 2018 20:18
 Operator : JU/SJ
 Sample : J4521-28 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-27245

Manual Integrations
 APPROVED

Sohil
 8/21/2018 1:43:11 PM

Quant Time: Aug 21 01:35:51 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	165781	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	591705	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	254705	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	442882	20.00	ng	0.00
75) Chrysene-d12	14.22	240	295512	20.00	ng	0.00
86) Perylene-d12	15.79	264	250830	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	449043	49.04	ng	0.01
7) Phenol-d6	6.63	99	589050	48.41	ng	0.00
23) Nitrobenzene-d5	7.58	82	359626	33.91	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	118940	46.82	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	645728	40.70	ng	0.00
78) Terphenyl-d14	13.14	244	545749	46.96	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.76	163	43611	2.458	ng	Qvalue # 99
51) Acenaphthene	10.10	154	123418	8.587	ng	99
54) Dibenzofuran	10.27	168	110261	5.295	ng	98
57) Fluorene	10.61	166	211440	12.828	ng	98
70) Phenanthrene	11.59	178	2075553	99.360	ng	98
71) Anthracene	11.64	178	835566	39.027	ng	100
72) Carbazole	11.79	167	78562	4.130	ng	99
74) Fluoranthene	12.80	202	3805724	166.933	ng	93
77) Pyrene	13.03	202	3413411	182.448	ng	92
80) Benzo(a)anthracene	14.21	228	1851650	109.182	ng	97
82) Chrysene	14.25	228	1388768	89.320	ng	96
85) Indeno(1,2,3-cd)pyrene	17.43	276	656710	48.747	ng	# 87
87) Benzo(b)fluoranthene	15.32	252	1660417m	110.782	ng	
88) Benzo(k)fluoranthene	15.35	252	581291m	42.191	ng	
89) Benzo(a)pyrene	15.73	252	1220997	90.974	ng	95
90) Dibenzo(a,h)anthracene	17.43	278	181544	16.348	ng	# 90
91) Benzo(a,h,i)perylene	17.93	276	572275	52.335	ng	# 88

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

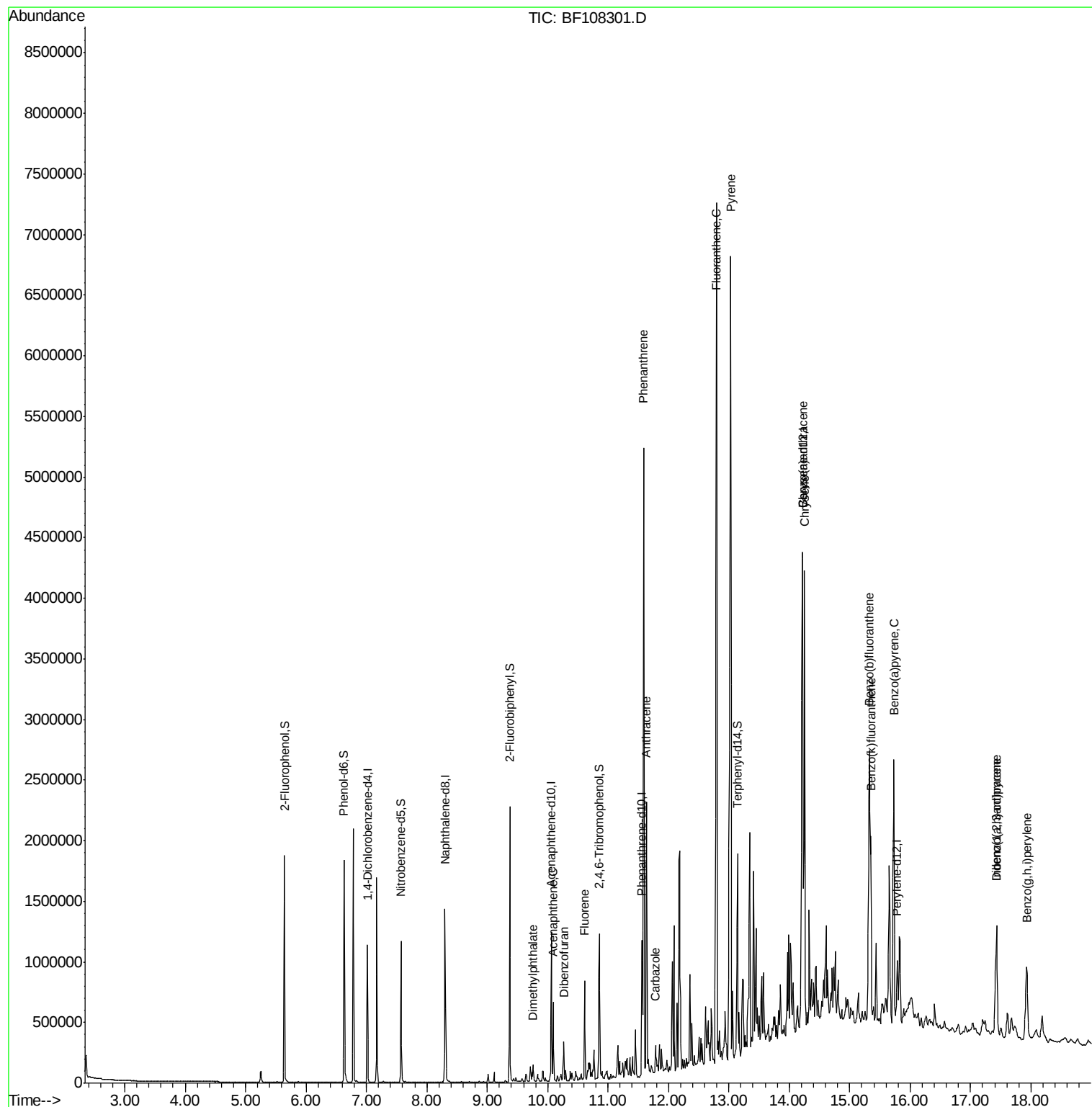
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
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#1

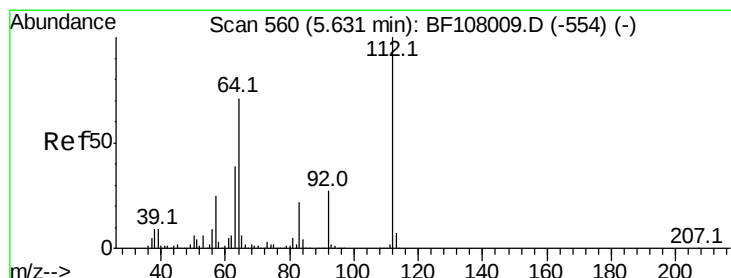
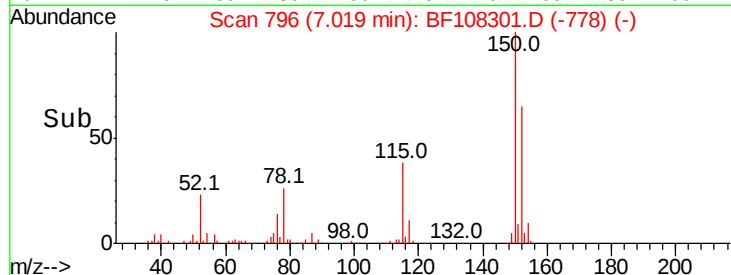
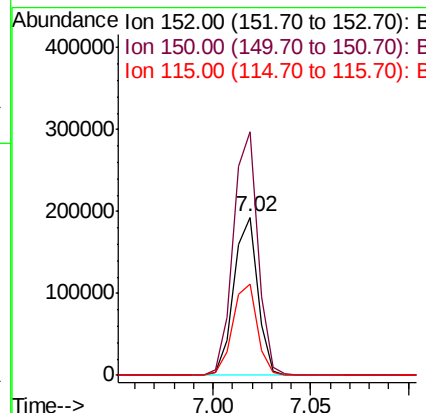
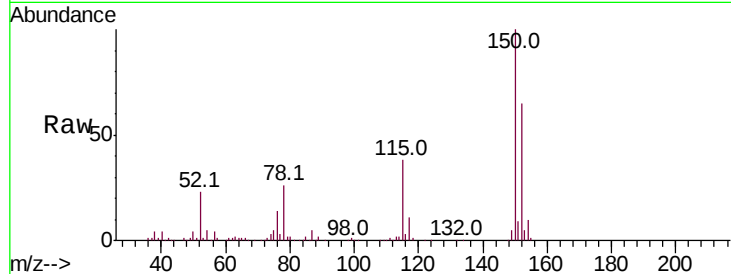
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108301.D
Acq: 20 Aug 2018 20:18

Instrument :
BNA_F
ClientSampleId :
CHRT-27245

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.6	186.8
115	57.9	50.1	75.1

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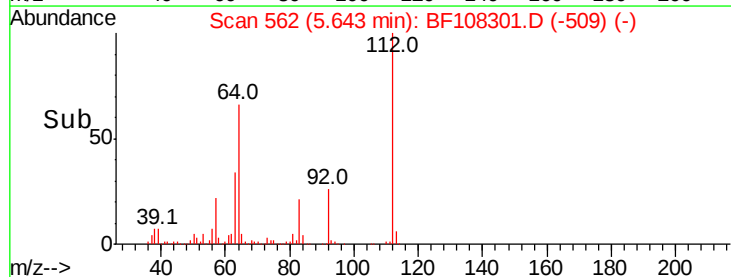
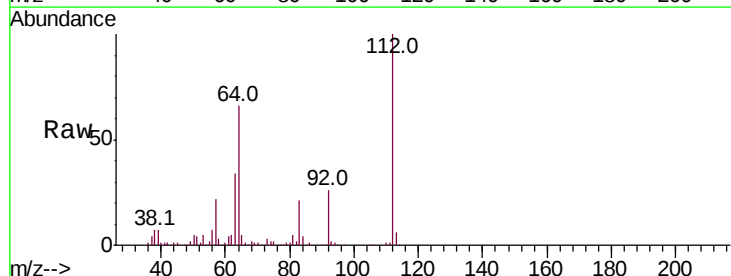
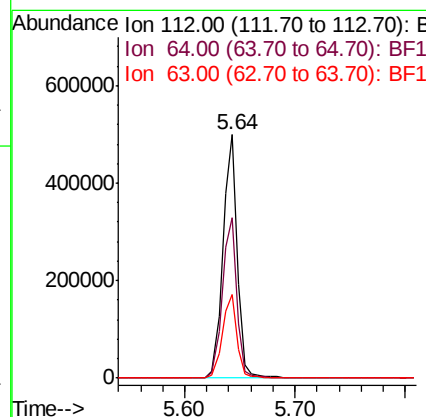
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#5

2-Fluorophenol
Concen: 49.039 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108301.D
Acq: 20 Aug 2018 20:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	47.9	71.9
63	34.3	23.7	35.5





#7

Phenol-d6

Concen: 48.409 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108301.D

Acq: 20 Aug 2018 20:18

Instrument :

BNA_F

ClientSampleId :

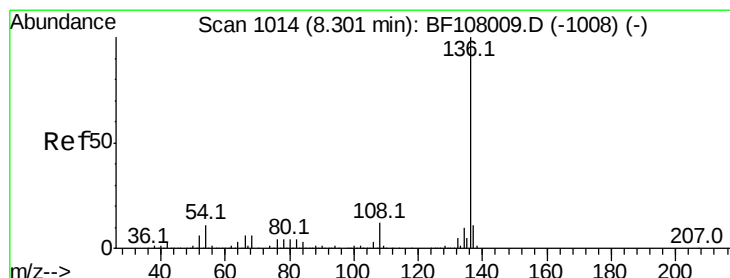
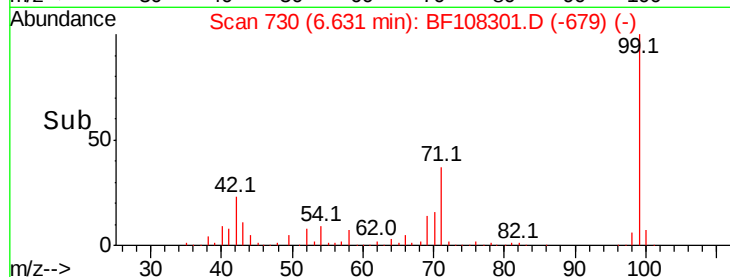
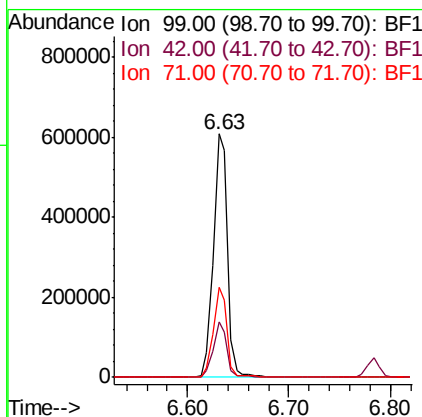
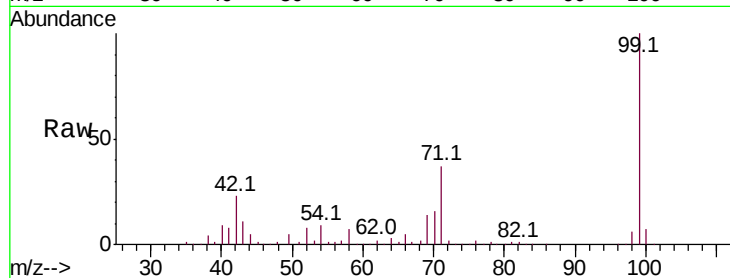
CHRT-27245

Tot Ion: 99 Resp: 589050

Ion	Ratio	Lower	Upper
99	100		
42	22.7	14.5	21.7#
71	36.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

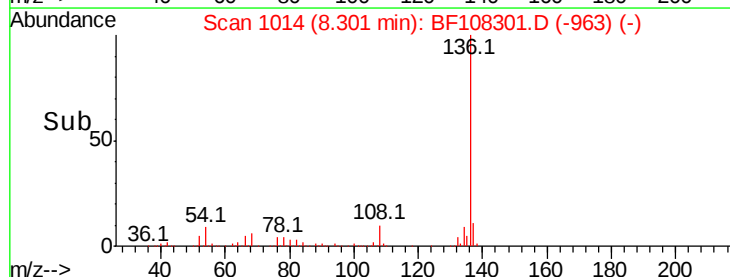
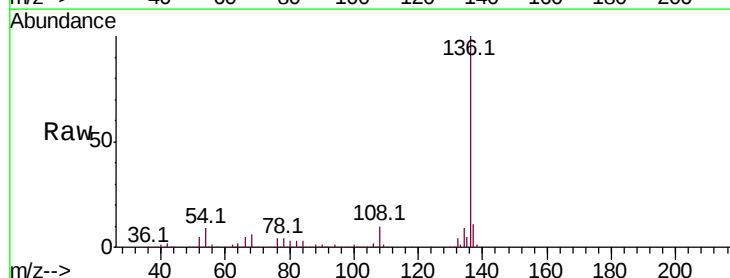
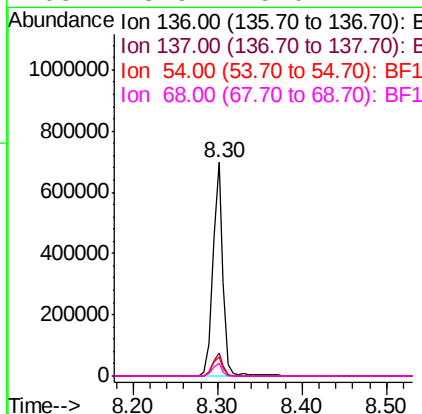
Delta R.T. 0.00 min

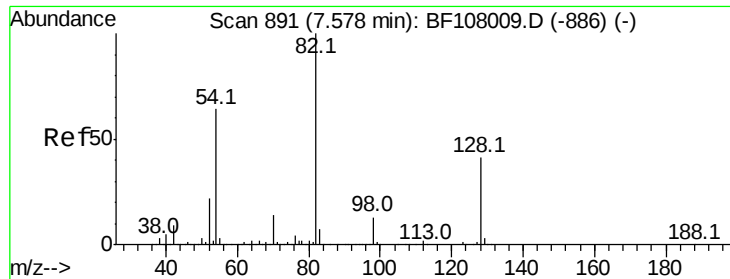
Lab File: BF108301.D

Acq: 20 Aug 2018 20:18

Tgt Ion: 136 Resp: 591705

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.2	6.6	9.8
68	5.9	5.0	7.4





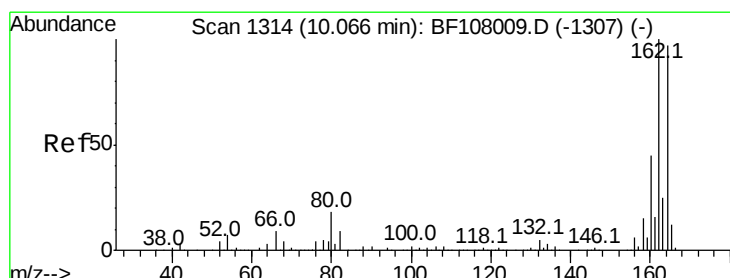
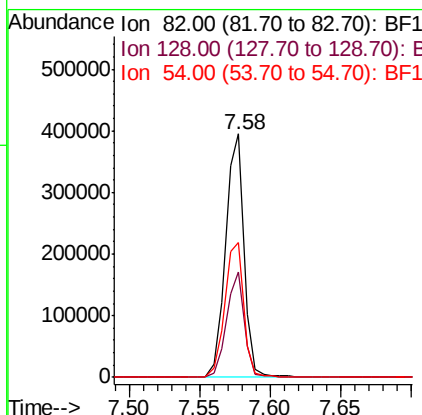
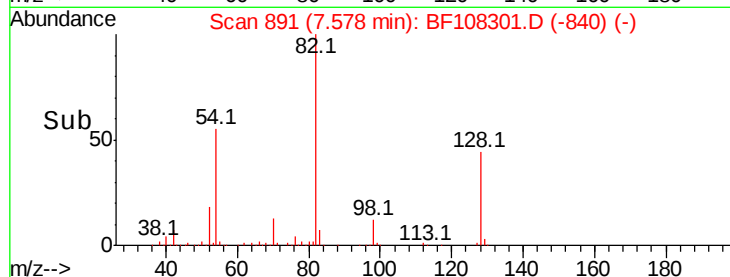
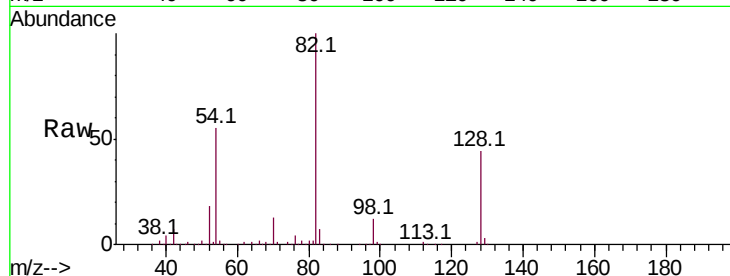
#23
Nitrobenzene-d5
Concen: 33.915 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108301.D
Acq: 20 Aug 2018 20:18

Instrument :
BNA_F
ClientSampled :
CHRT-27245

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.5	36.1	54.1	
54	55.2	41.4	62.2	

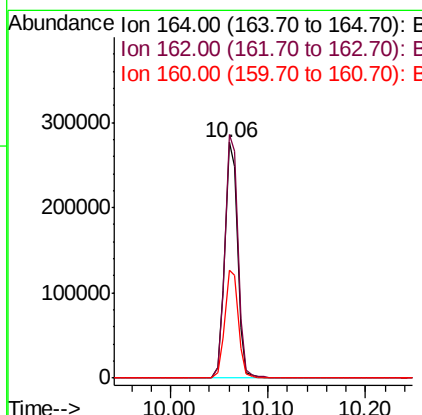
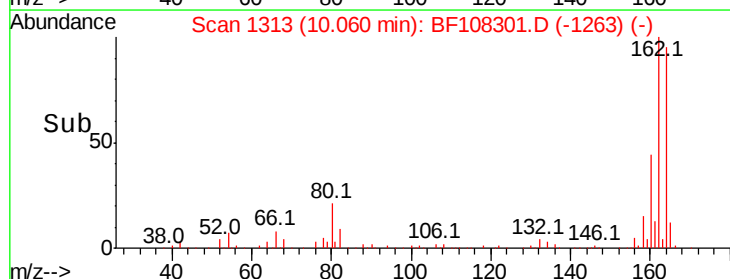
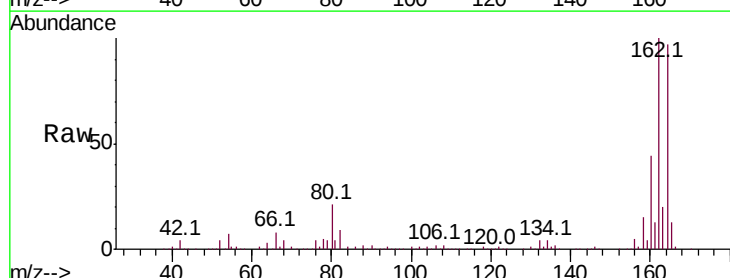
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108301.D
Acq: 20 Aug 2018 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.4	86.1	129.1	
160	45.9	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 46.815 ng

RT: 10.85 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF108301.D

Acq: 20 Aug 2018 20:18

Instrument :

BNA_F

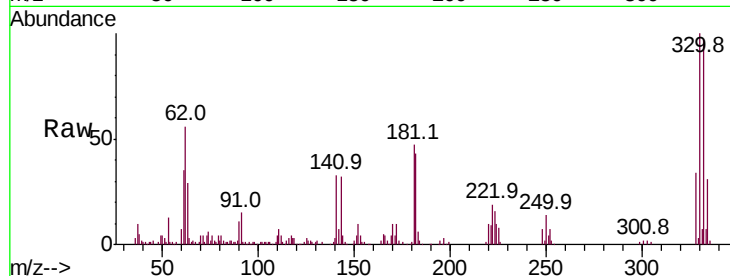
ClientSampleId :

CHRT-27245

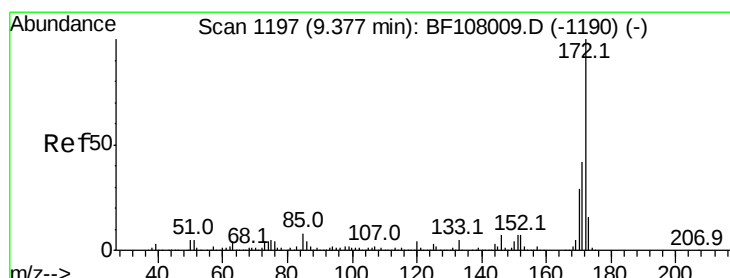
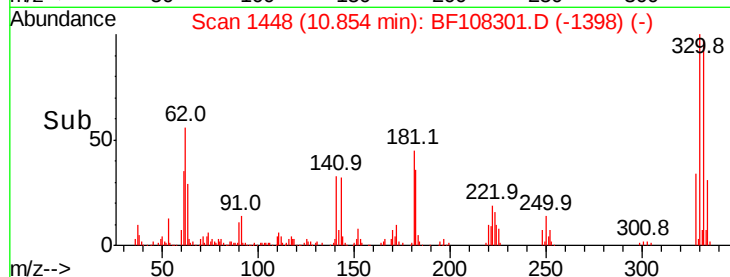
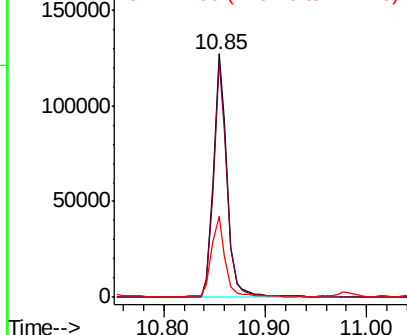
Tot Ion:	330	Resp:	118940
Ion Ratio	Lower	Upper	
330	100		
332	95.7	77.0	115.6
141	35.5	29.9	44.9

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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: 40.702 ng

RT: 9.37 min Scan# 1196

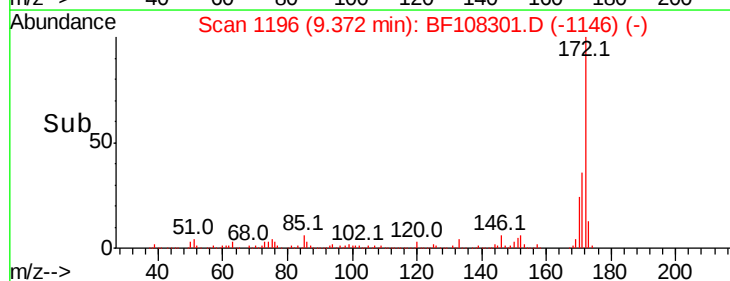
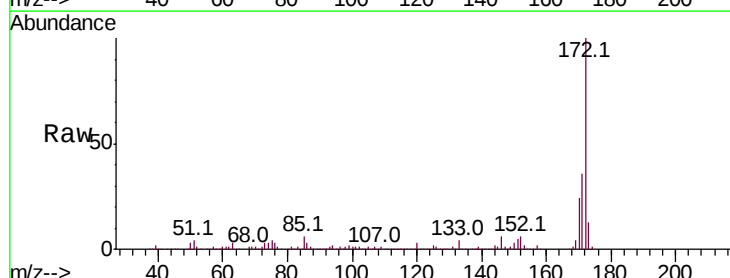
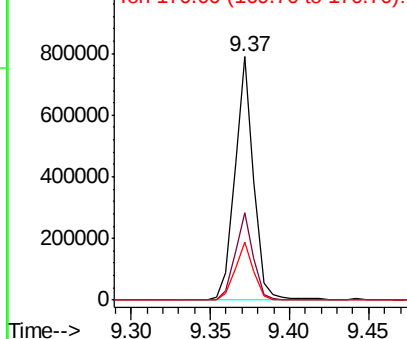
Delta R.T. -0.01 min

Lab File: BF108301.D

Acq: 20 Aug 2018 20:18

Tgt Ion:	172	Resp:	645728
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.7	44.5
170	23.6	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





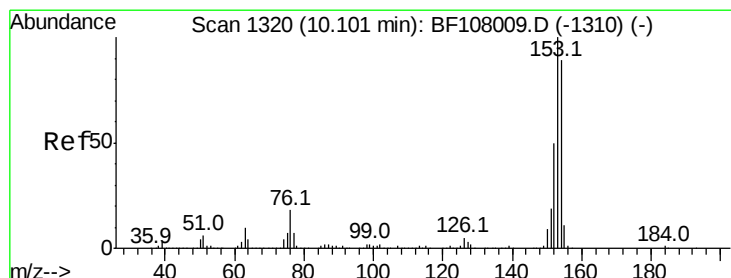
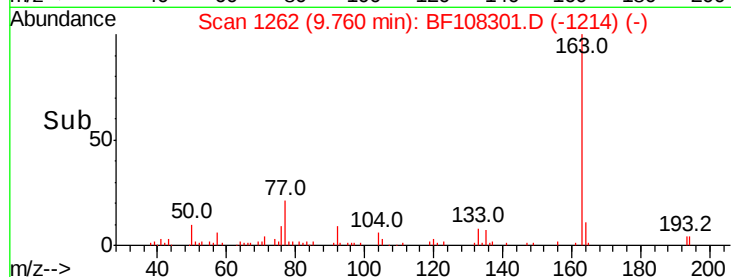
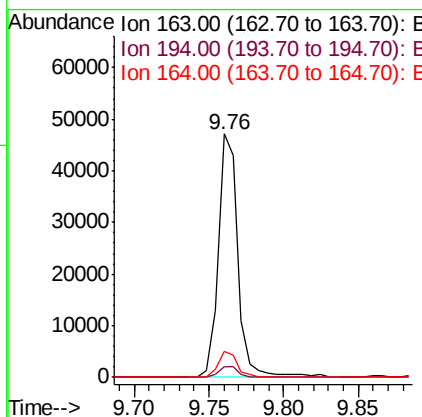
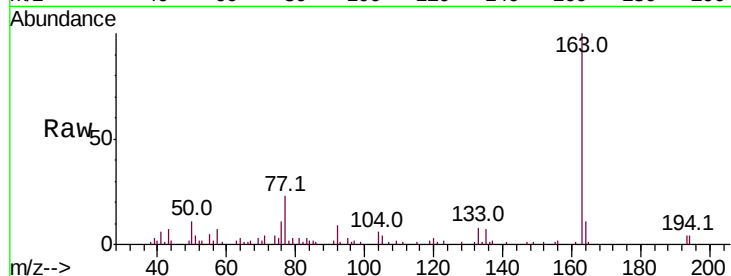
#49
 Dimethylphthalate
 Concen: 2.458 ng
 RT: 9.76 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: BF108301.D
 Acq: 20 Aug 2018 20:18

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-27245

Tot Ion:	163	Resp:	43611
Ion Ratio	Lower	Upper	
163	100		
194	4.3	2.7	4.1#
164	10.5	8.2	12.2

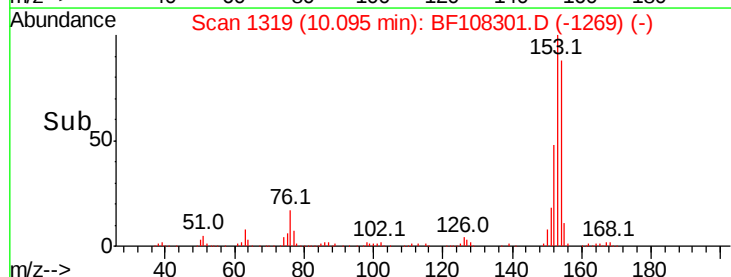
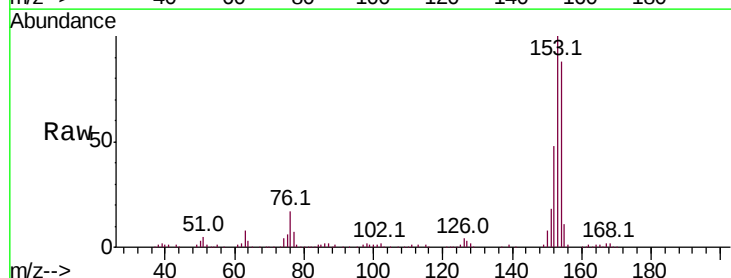
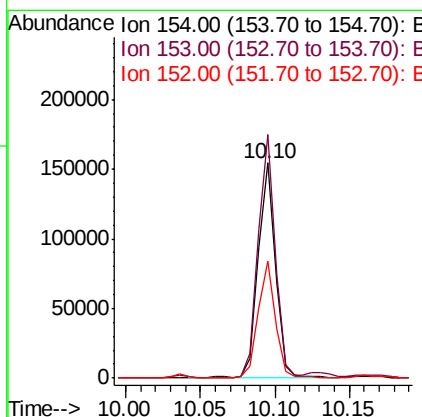
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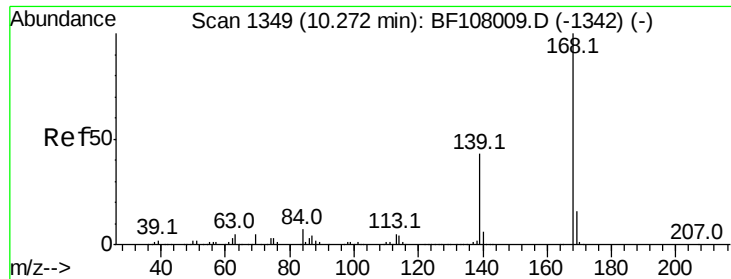
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#51
 Acenaphthene
 Concen: 8.587 ng
 RT: 10.10 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF108301.D
 Acq: 20 Aug 2018 20:18

Tgt Ion:	154	Resp:	123418
Ion Ratio	Lower	Upper	
154	100		
153	113.1	91.2	136.8
152	54.3	43.8	65.8





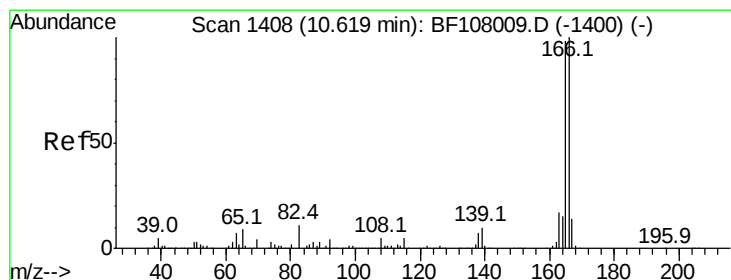
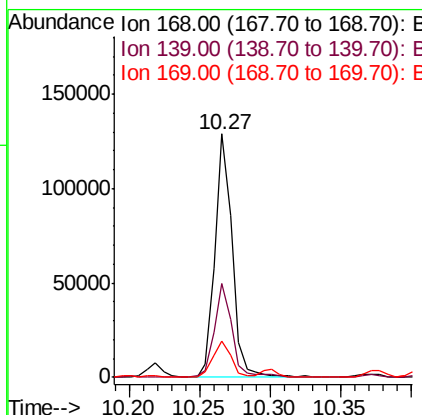
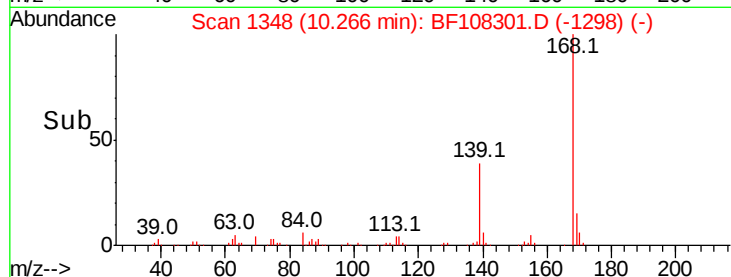
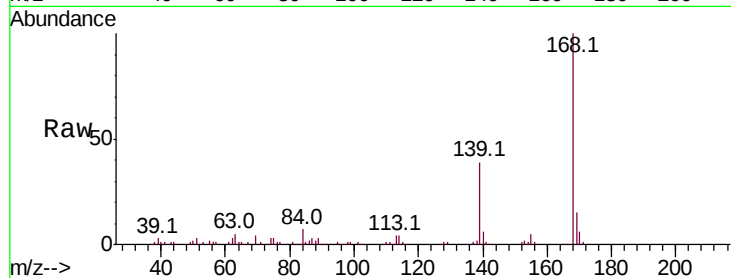
#54
Dibenzofuran
Concen: 5.295 ng
RT: 10.27 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF108301.D
Acq: 20 Aug 2018 20:18

Instrument :
BNA_F
ClientSampled :
CHRT-27245

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	38.8	30.1	45.1	
169	15.0	10.9	16.3	

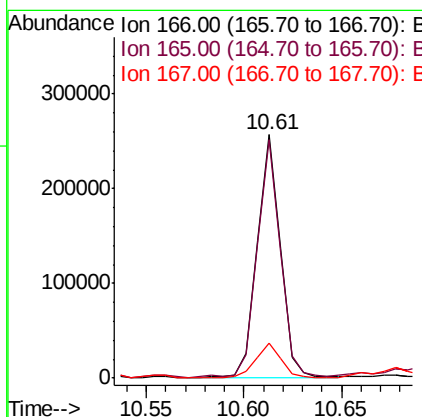
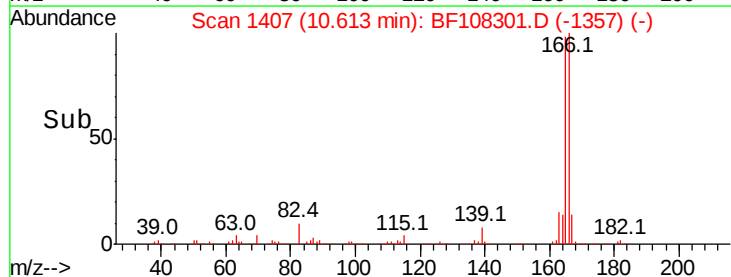
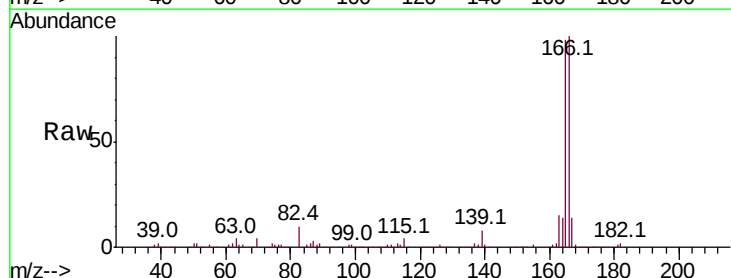
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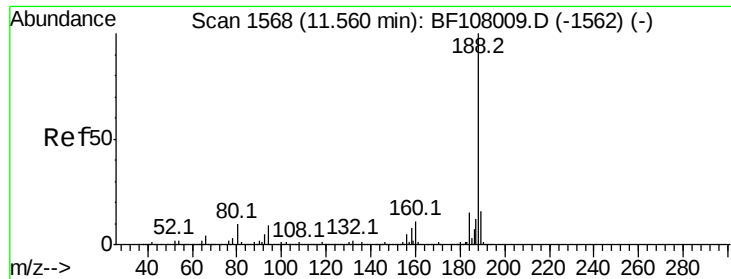
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#57
Fluorene
Concen: 12.828 ng
RT: 10.61 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BF108301.D
Acq: 20 Aug 2018 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.9	79.8	119.8	
167	14.3	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: BF108301.D

Acq: 20 Aug 2018 20:18

Instrument :

BNA_F

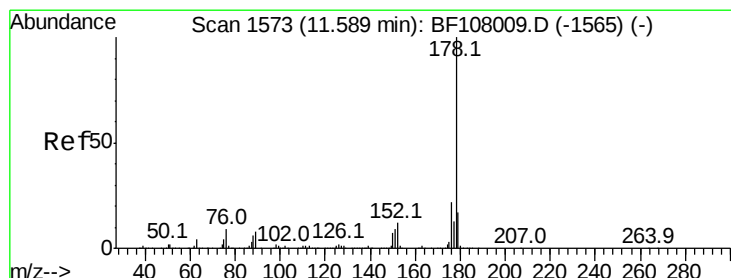
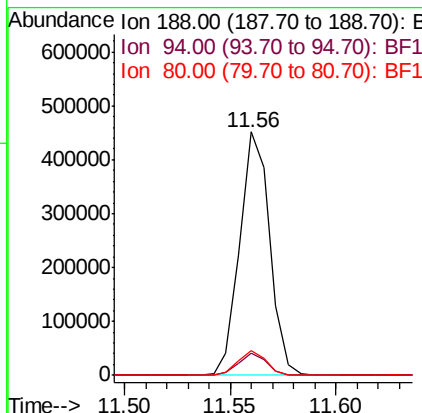
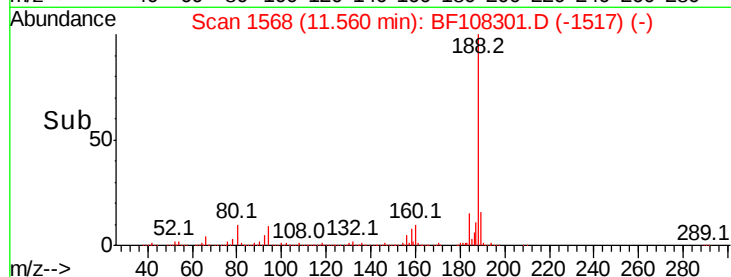
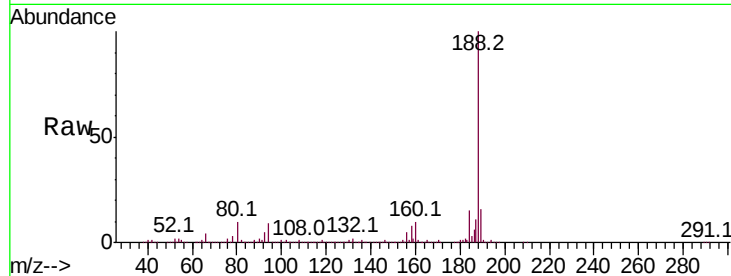
ClientSampleId :

CHRT-27245

Tot Ion:	188	Resp:	442882
Ion Ratio	Lower	Upper	
188	100		
94	9.2	8.5	12.7
80	10.3	9.2	13.8

Manual Integrations
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#70

Phenanthrene

Concen: 99.360 ng

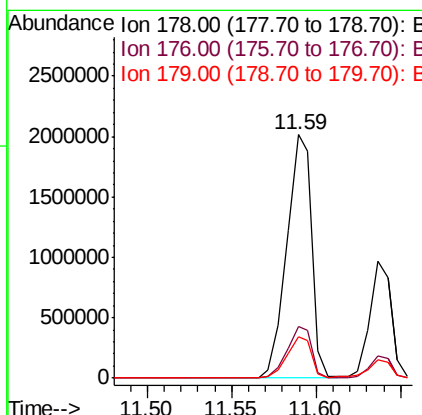
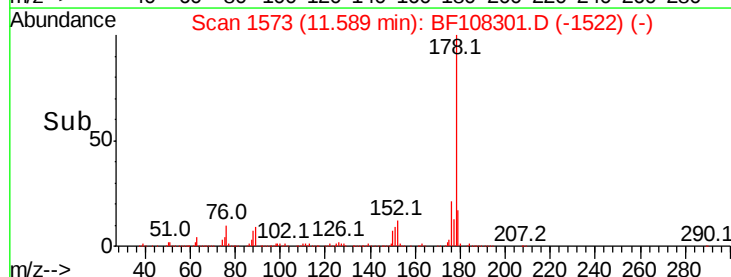
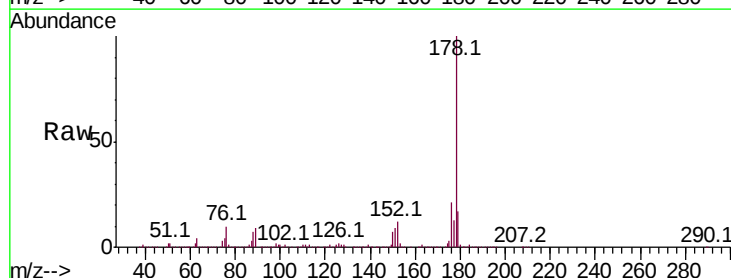
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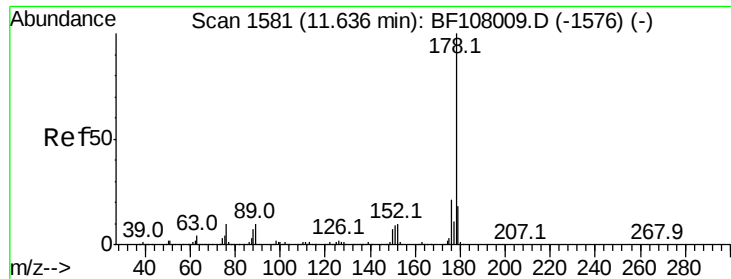
Delta R.T. 0.00 min

Lab File: BF108301.D

Acq: 20 Aug 2018 20:18

Tgt Ion:	178	Resp:	2075553
Ion Ratio	Lower	Upper	
178	100		
176	21.1	15.8	23.8
179	17.0	13.0	19.6





#71

Anthracene

Concen: 39.027 ng

RT: 11.64 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BF108301.D

Acq: 20 Aug 2018 20:18

Instrument :

BNA_F

ClientSampleId :

CHRT-27245

Tot Ion:178 Resp: 835566

Ion Ratio Lower Upper

178 100

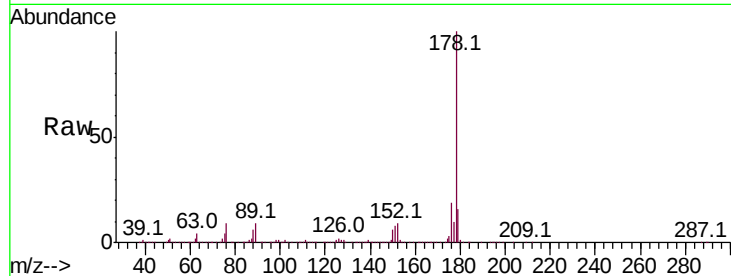
176 19.4 15.4 23.2

179 16.0 12.6 19.0

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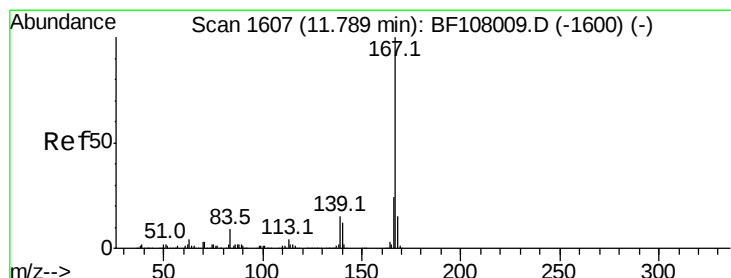
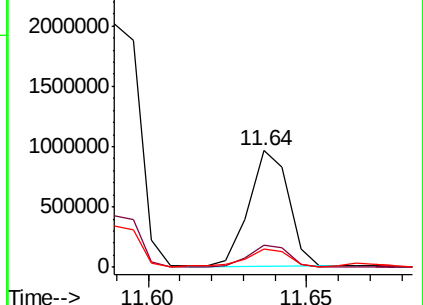
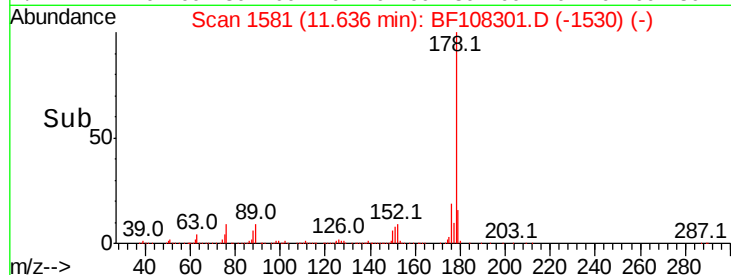
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 4.130 ng

RT: 11.79 min Scan# 1607

Delta R.T. 0.00 min

Lab File: BF108301.D

Acq: 20 Aug 2018 20:18

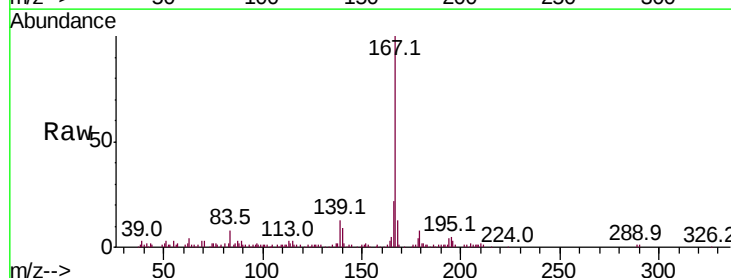
Tgt Ion:167 Resp: 78562

Ion Ratio Lower Upper

167 100

166 22.1 17.6 26.4

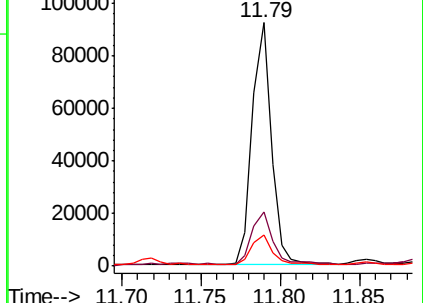
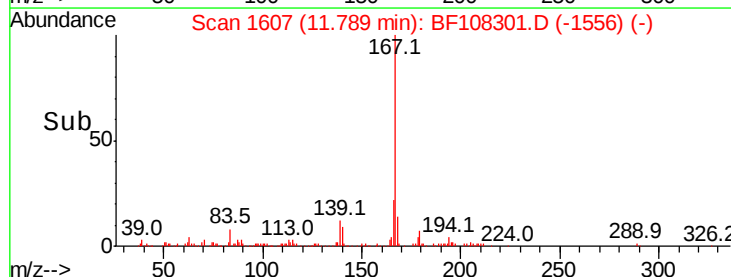
139 12.6 10.9 16.3

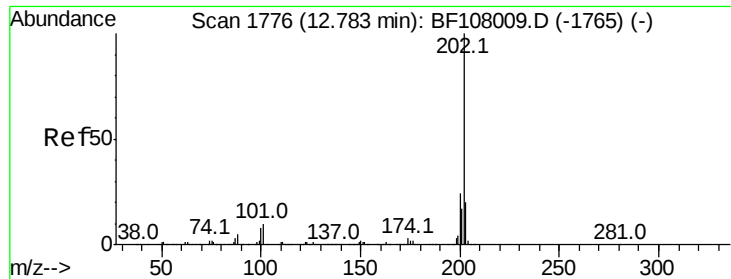


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 166.933 ng

RT: 12.80 min Scan# 1779

Delta R.T. 0.02 min

Lab File: BF108301.D

Acq: 20 Aug 2018 20:18

Instrument :

BNA_F

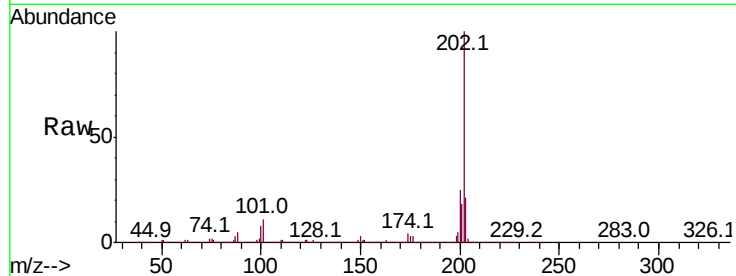
ClientSampleId :

CHRT-27245

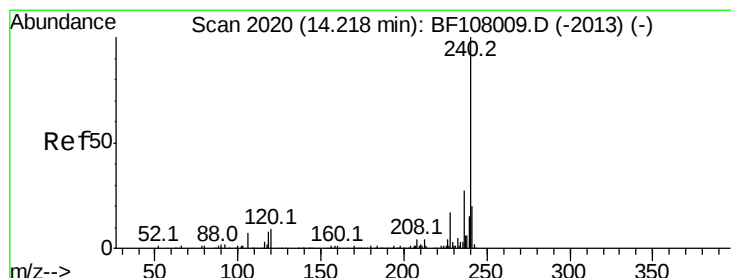
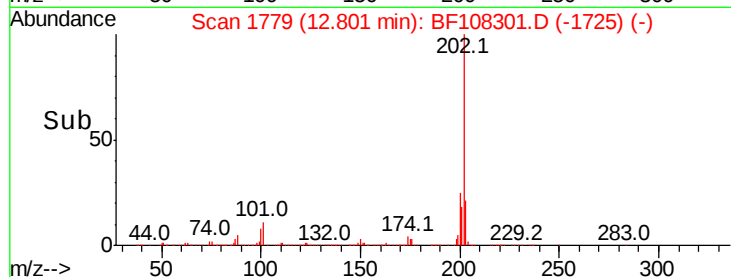
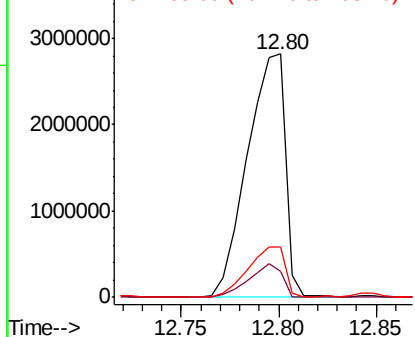
Tot Ion:	202	Resp:	3805724
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	34.1
203	20.6	0.0	38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

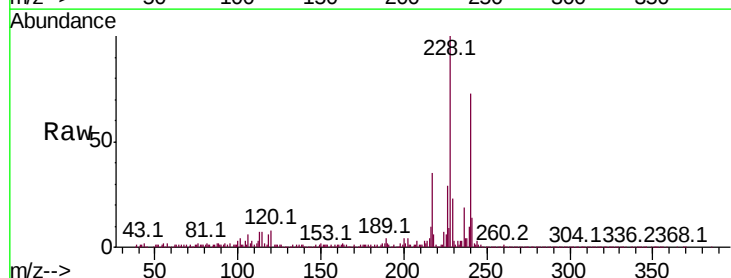
RT: 14.22 min Scan# 2021

Delta R.T. 0.01 min

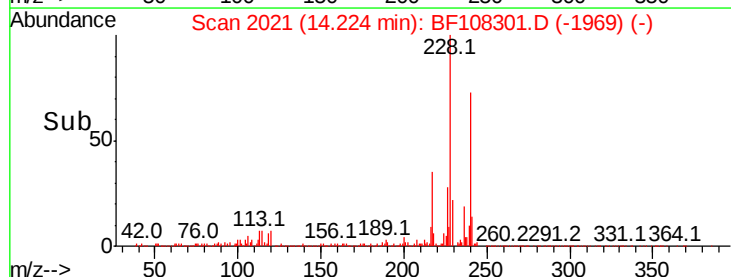
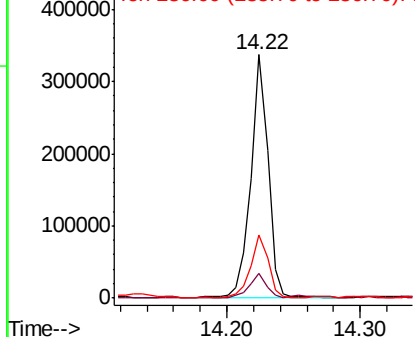
Lab File: BF108301.D

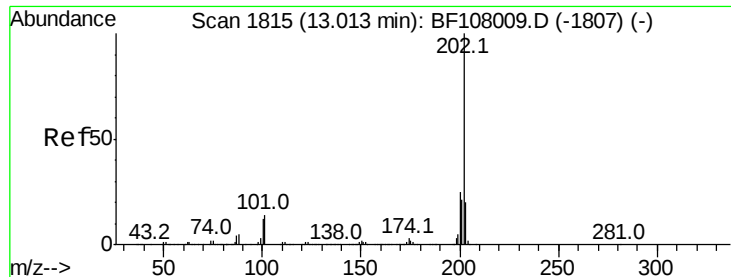
Acq: 20 Aug 2018 20:18

Tgt Ion:	240	Resp:	295512
Ion	Ratio	Lower	Upper
240	100		
120	10.3	9.5	14.3
236	26.1	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 182.448 ng

RT: 13.03 min Scan# 1818

Delta R.T. 0.02 min

Lab File: BF108301.D

Acq: 20 Aug 2018 20:18

Instrument :

BNA_F

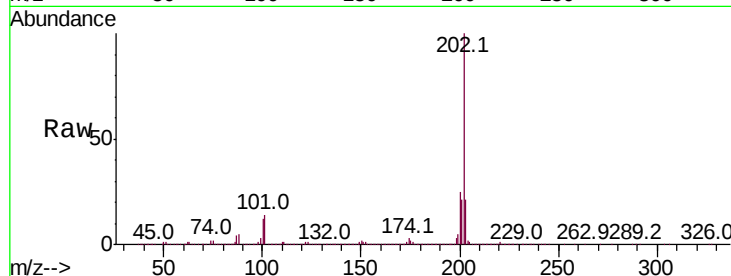
ClientSampleId :

CHRT-27245

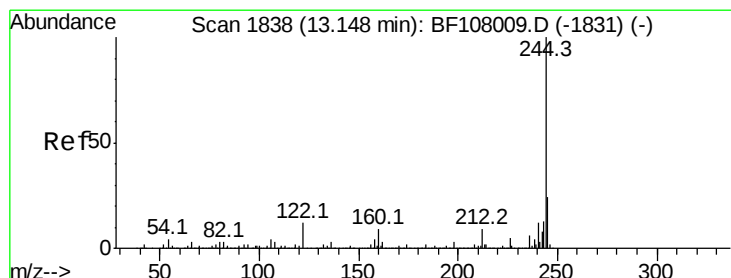
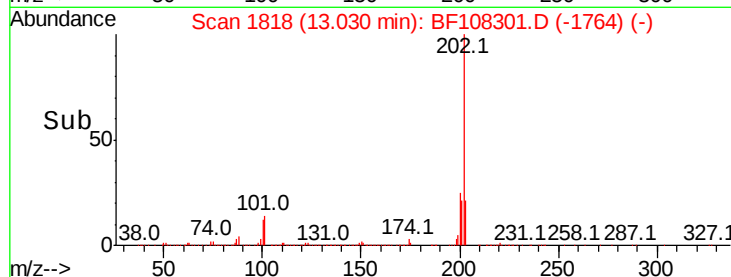
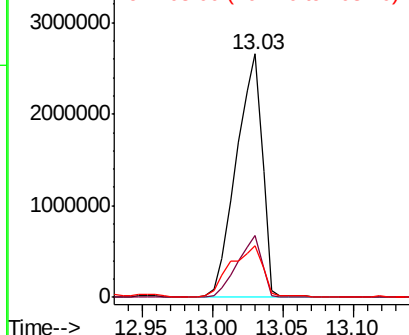
Tot Ion:	202	Resp:	3413411
Ion	Ratio	Lower	Upper
202	100		
200	25.5	17.4	26.2
203	21.4	14.3	21.5

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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: 46.956 ng

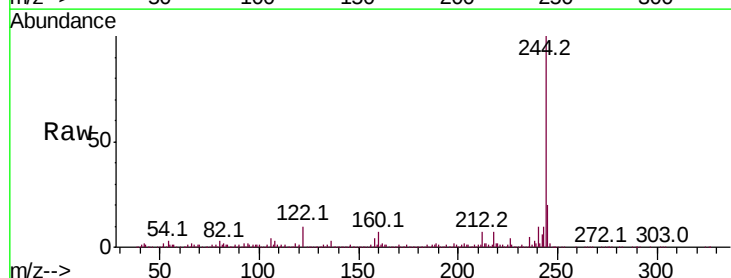
RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

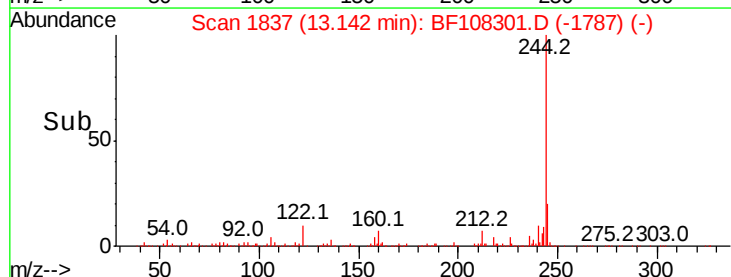
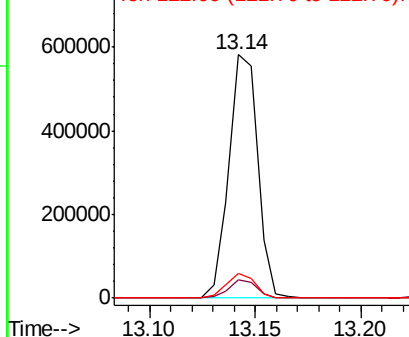
Lab File: BF108301.D

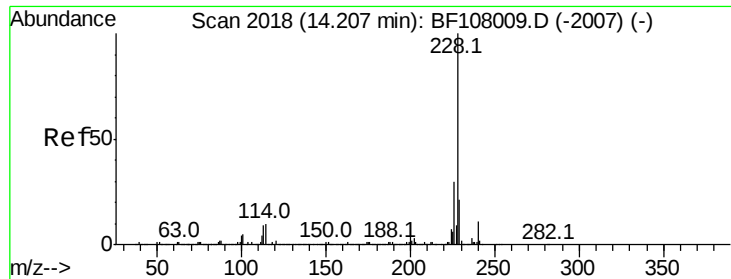
Acq: 20 Aug 2018 20:18

Tgt Ion:	244	Resp:	545749
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	10.3	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





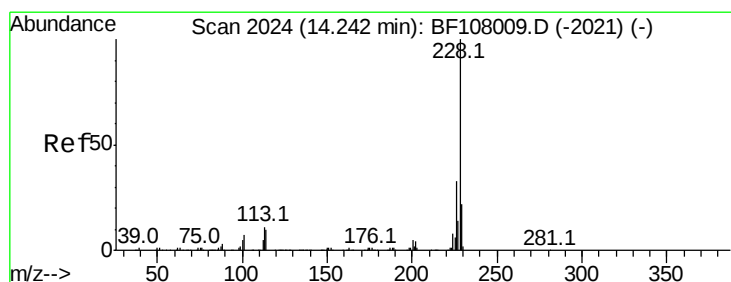
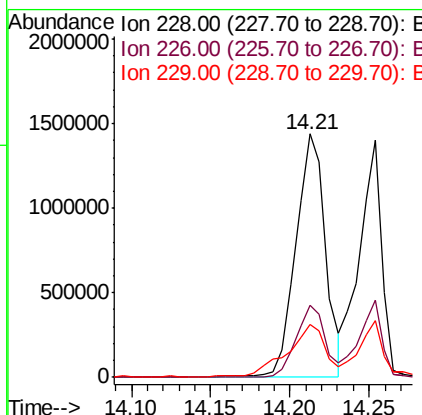
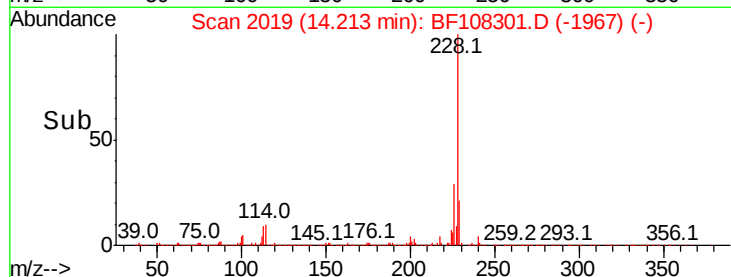
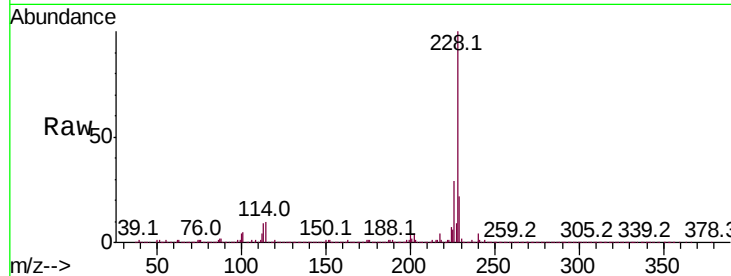
#80
Benzo(a)anthracene
Concen: 109.182 ng
RT: 14.21 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF108301.D
Acq: 20 Aug 2018 20:18

Instrument :
BNA_F
ClientSampleId :
CHRT-27245

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	21.8	15.8	23.6

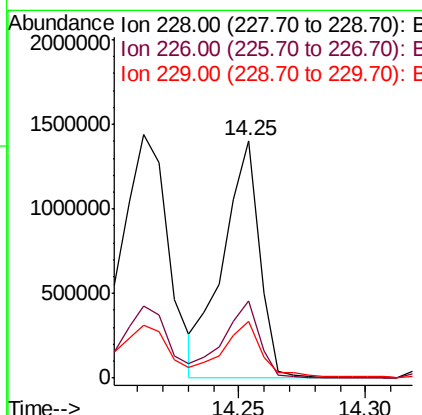
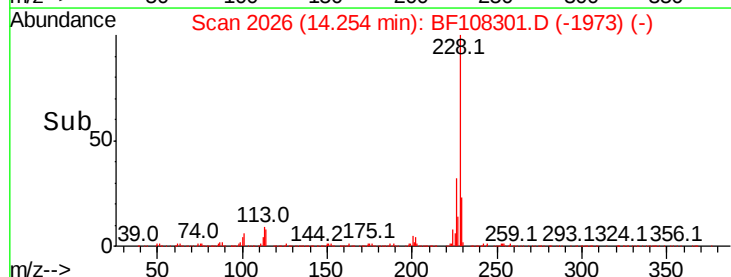
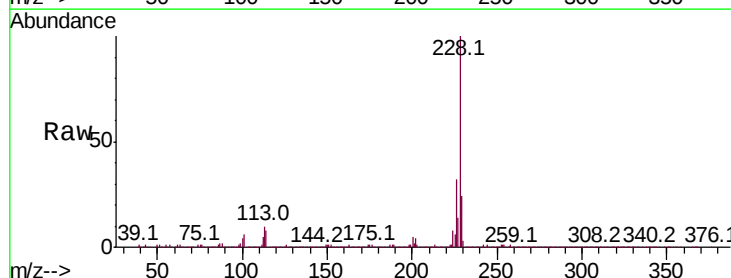
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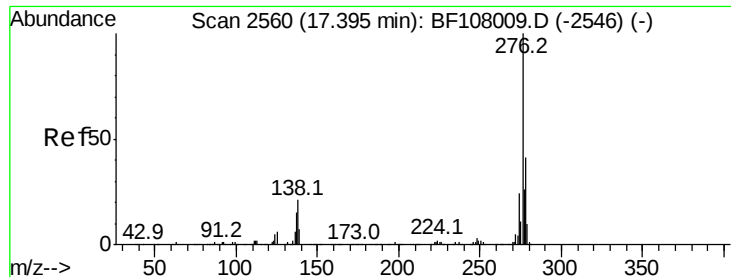
Sohil
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#82
Chrysene
Concen: 89.320 ng
RT: 14.25 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF108301.D
Acq: 20 Aug 2018 20:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.0	37.6
229	23.8	16.2	24.4





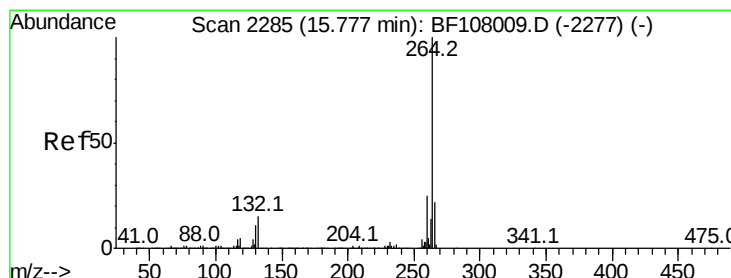
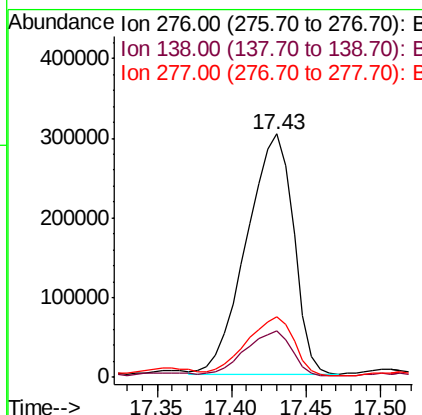
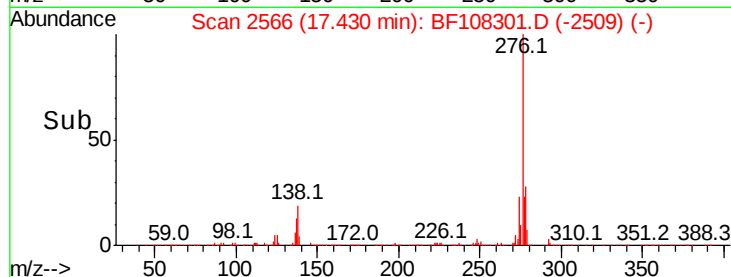
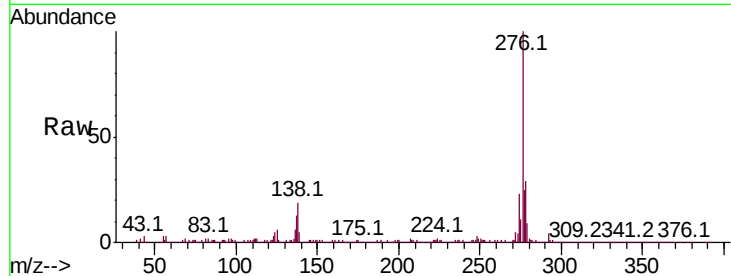
#85
Indeno(1,2,3-cd)pyrene
Concen: 48.747 ng
RT: 17.43 min Scan# 2566
Delta R.T. 0.04 min
Lab File: BF108301.D
Acq: 20 Aug 2018 20:18

Instrument :
BNA_F
ClientSampleId :
CHRT-27245

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.8	25.0	37.6#
277	24.9	20.1	30.1

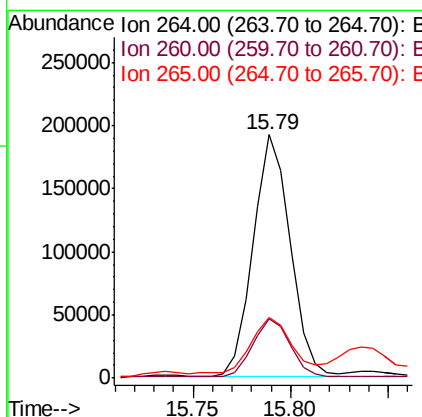
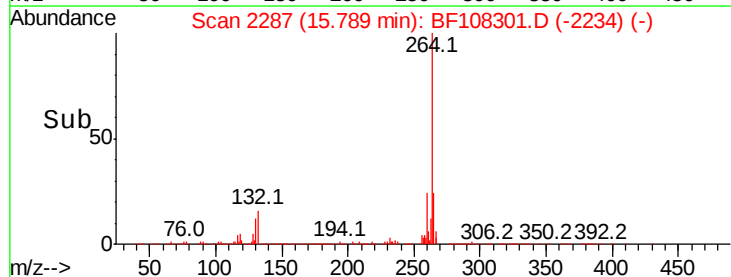
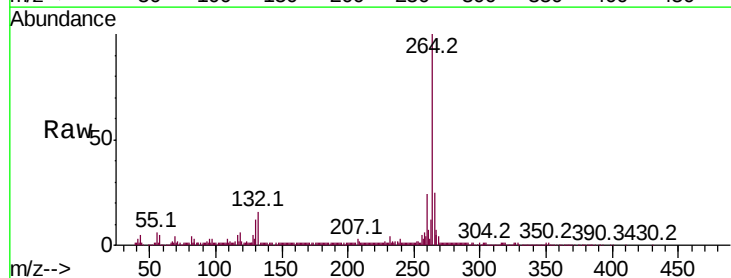
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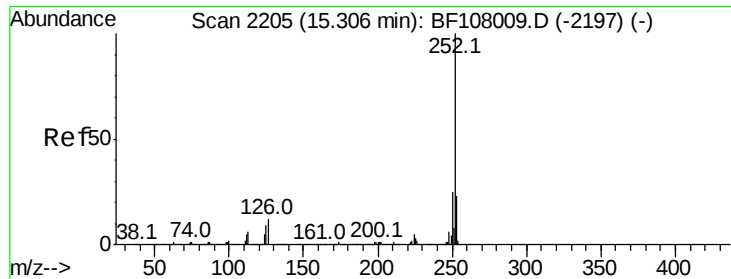
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.79 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF108301.D
Acq: 20 Aug 2018 20:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	24.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 110.782 ng m

RT: 15.32 min Scan# 2208

Delta R.T. 0.02 min

Lab File: BF108301.D

Acq: 20 Aug 2018 20:18

Instrument :

BNA_F

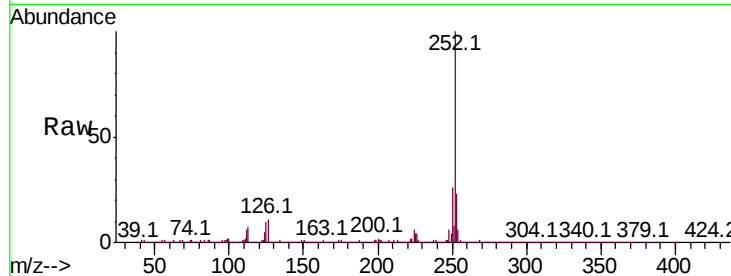
ClientSampleId :

CHRT-27245

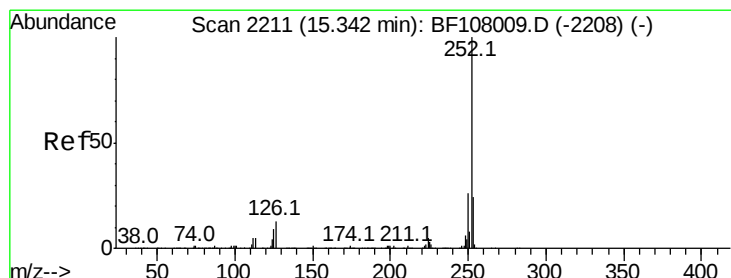
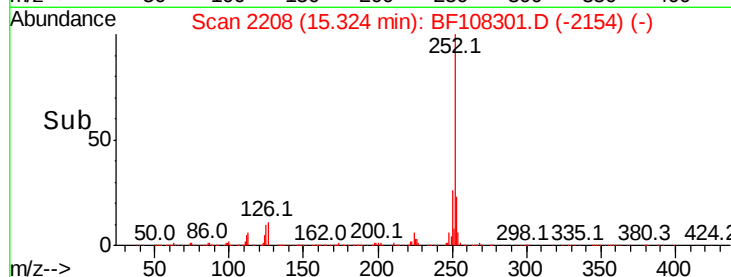
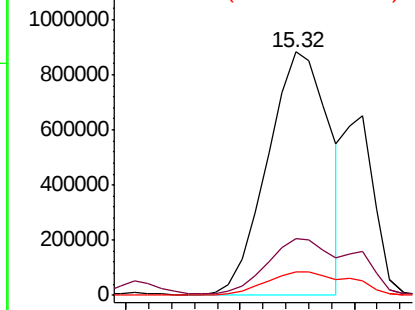
Tot	Ion:252	Resp: 1660417	
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	9.9	9.0	13.6

Manual Integrations
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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: 42.191 ng m

RT: 15.35 min Scan# 2213

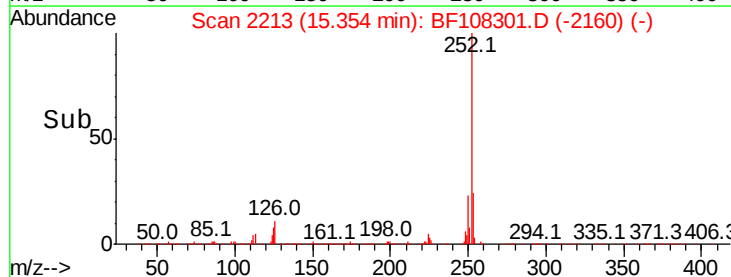
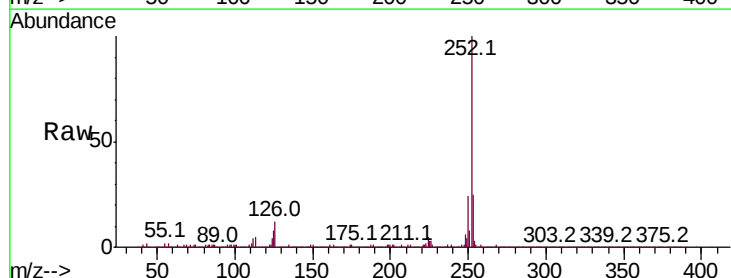
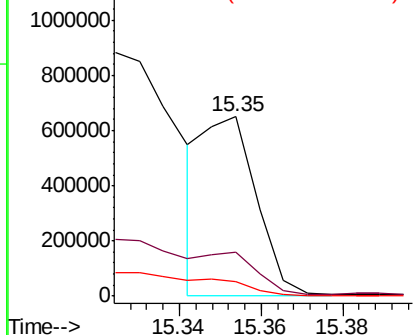
Delta R.T. 0.01 min

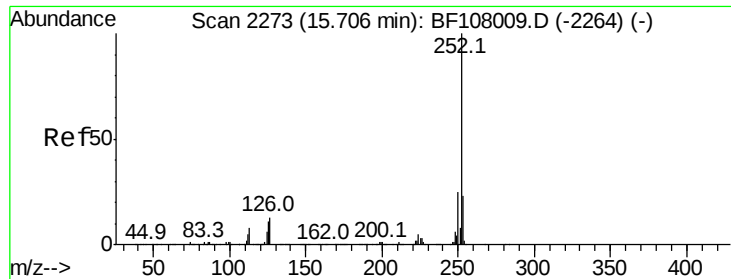
Lab File: BF108301.D

Acq: 20 Aug 2018 20:18

Tgt	Ion:252	Resp:	581291
Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	8.3	10.2	15.2#

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





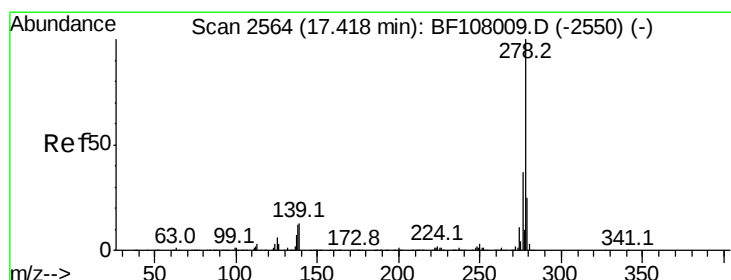
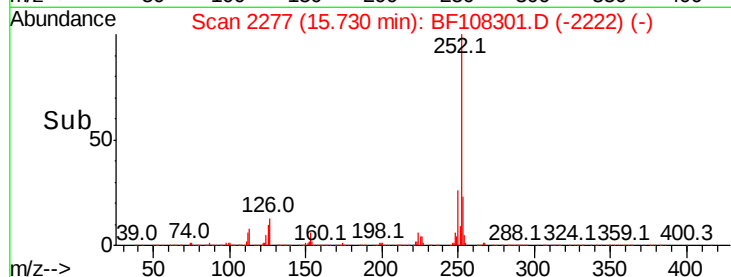
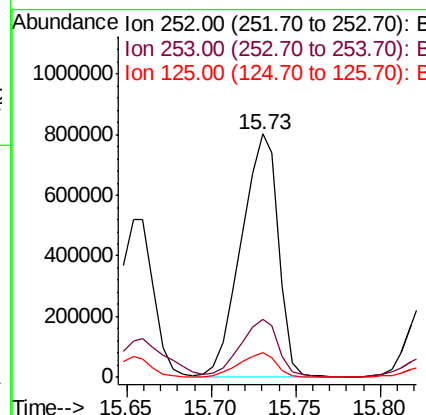
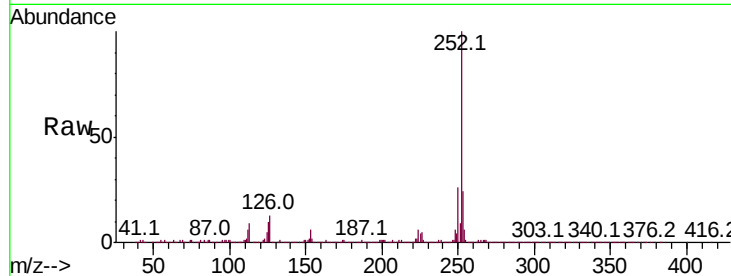
#89
Benzo(a)pyrene
Concen: 90.974 ng
RT: 15.73 min Scan# 2277
Delta R.T. 0.02 min
Lab File: BF108301.D
Acq: 20 Aug 2018 20:18

Instrument :
BNA_F
ClientSampled :
CHRT-27245

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	10.1	9.8	14.6

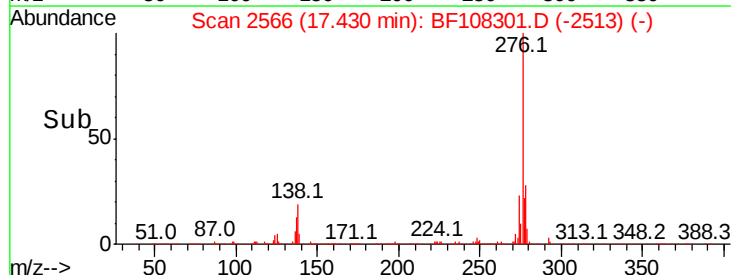
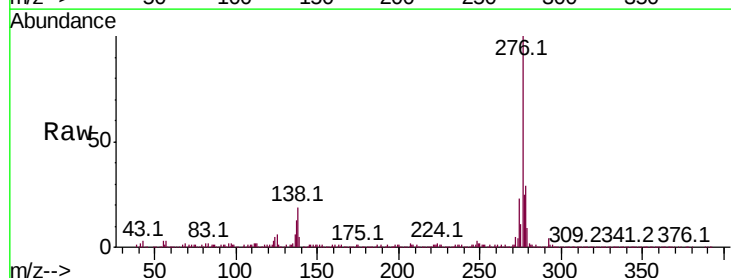
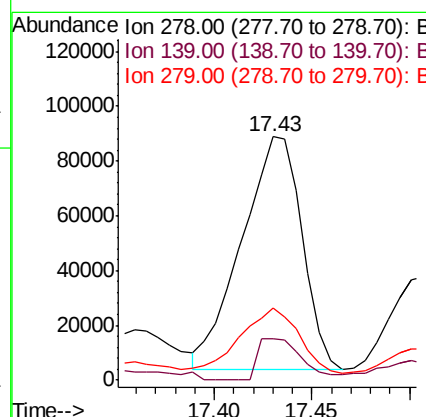
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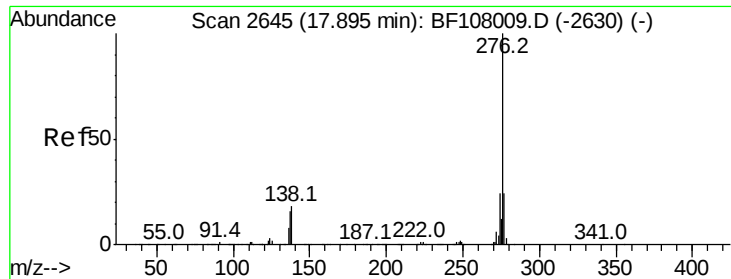
Sohil
8/21/2018 1:43:11 PM



#90
Dibenzo(a,h)anthracene
Concen: 16.348 ng
RT: 17.43 min Scan# 2566
Delta R.T. 0.01 min
Lab File: BF108301.D
Acq: 20 Aug 2018 20:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.1	15.9	23.9
279	29.8	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 52.335 ng
 RT: 17.93 min Scan# 2651
 Delta R.T. 0.04 min
 Lab File: BF108301.D
 Acq: 20 Aug 2018 20:18

Instrument :
 BNA_F
 ClientSampled :
 CHRT-27245

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	17.9	21.8	32.8#

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