

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
 Data File : BF108299.D
 Acq On : 20 Aug 2018 19:24
 Operator : JU/SJ
 Sample : J4521-04 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT26100

Manual Integrations
 APPROVED

Sohil
 8/21/2018 1:43:07 PM

Quant Time: Aug 21 01:28:45 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	184493	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	652888	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	278550	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	470394	20.00	ng	0.00
75) Chrysene-d12	14.22	240	358309	20.00	ng	0.00
86) Perylene-d12	15.78	264	275663	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	534921	52.49	ng	0.01
7) Phenol-d6	6.64	99	703115	51.92	ng	0.00
23) Nitrobenzene-d5	7.58	82	435712	37.24	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	138807	49.96	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	711453	41.01	ng	0.00
78) Terphenyl-d14	13.14	244	589730	41.85	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.76	163	47952	2.471	ng	Qvalue # 98
70) Phenanthrene	11.58	178	255482	11.515	ng	99
71) Anthracene	11.64	178	102805	4.521	ng	97
74) Fluoranthene	12.78	202	630959	26.057	ng	94
77) Pyrene	13.01	202	643832	28.382	ng	98
80) Benzo(a)anthracene	14.21	228	336825	16.380	ng	97
82) Chrysene	14.24	228	301470	15.991	ng	98
85) Indeno(1,2,3-cd)pyrene	17.40	276	139827	8.560	ng	# 87
87) Benzo(b)fluoranthene	15.31	252	356979m	21.672	ng	
88) Benzo(k)fluoranthene	15.34	252	99023m	6.540	ng	
89) Benzo(a)pyrene	15.71	252	257827	17.480	ng	96
90) Dibenzo(a,h)anthracene	17.41	278	38727	3.173	ng	# 88
91) Benzo(a,h,i)perylene	17.90	276	132738	11.045	ng	# 90

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

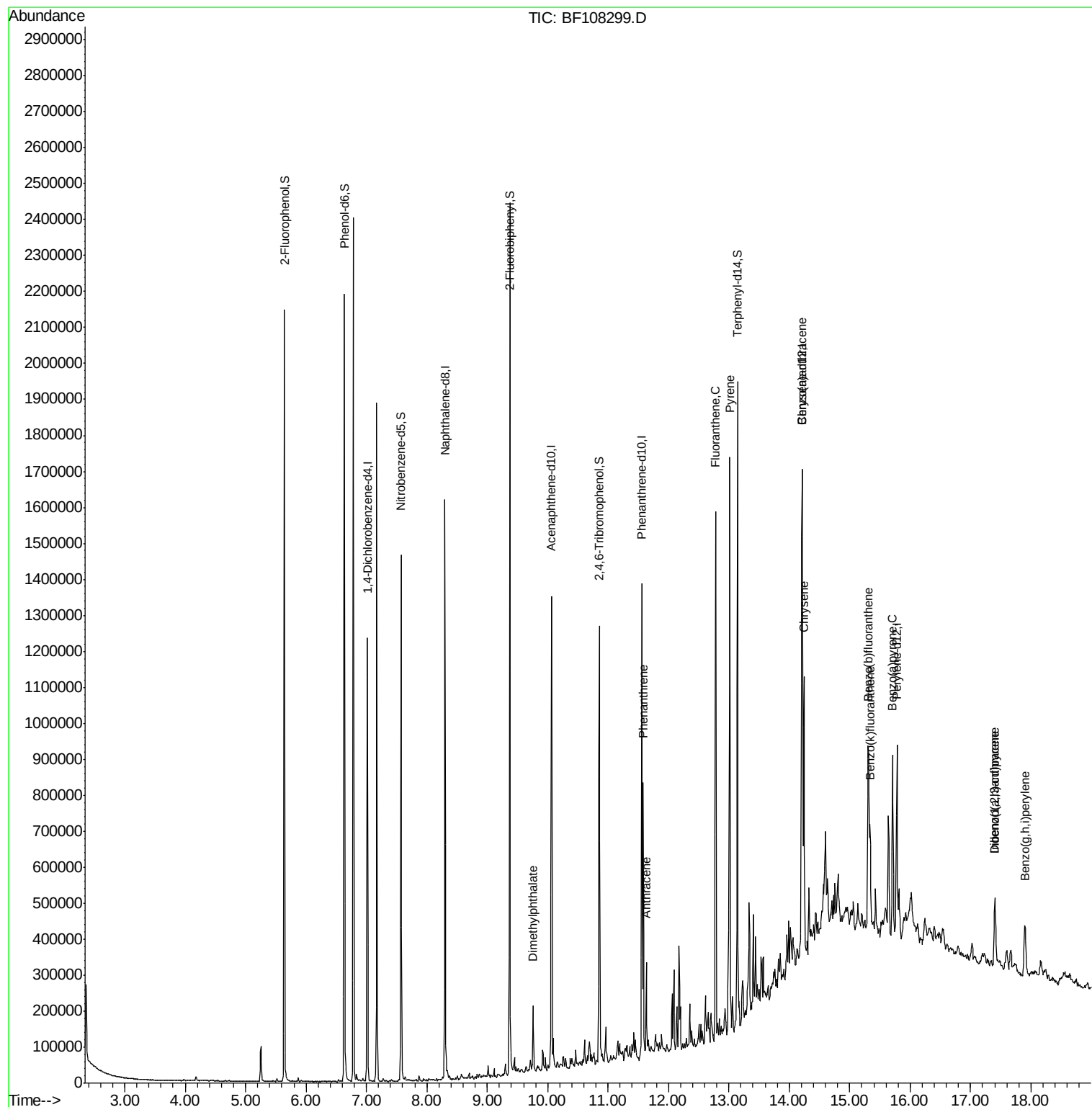
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
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ALS Vial : 11 Sample Multiplier: 1

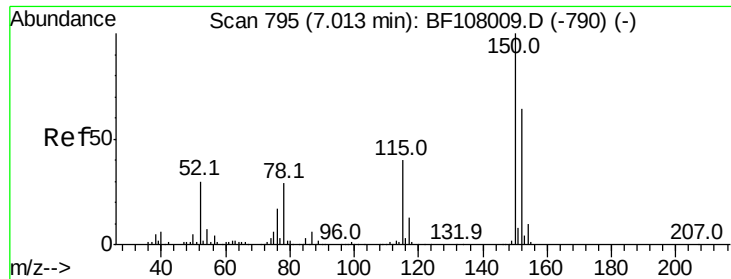
Instrument :
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#1

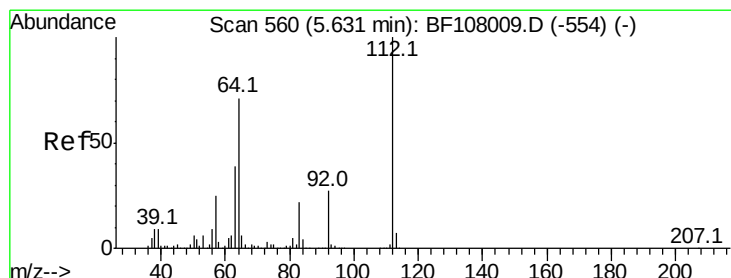
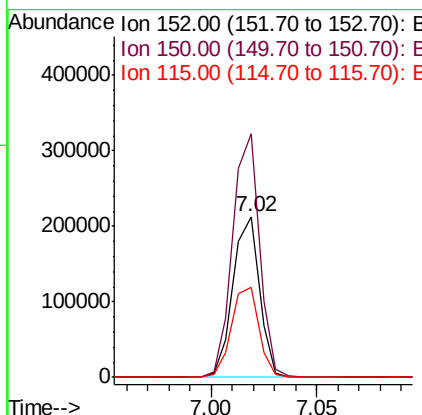
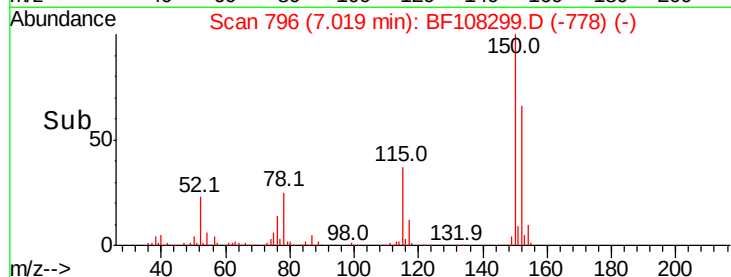
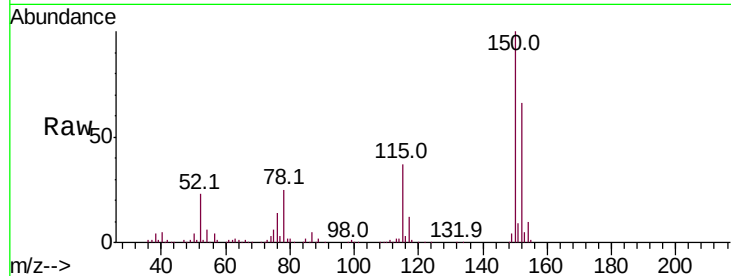
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108299.D
Acq: 20 Aug 2018 19:24

Instrument :
BNA_F
ClientSampleId :
CHRT26100

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	124.6	186.8
115	56.0	50.1	75.1

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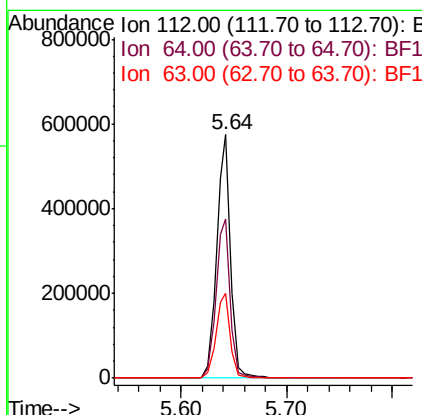
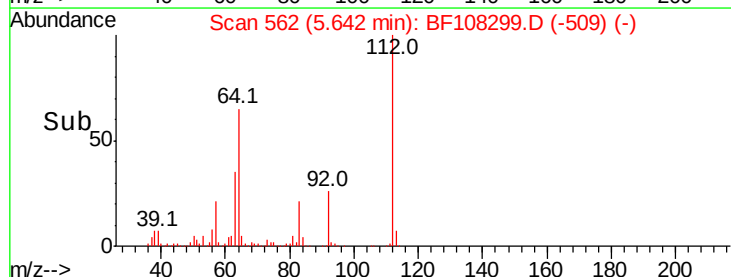
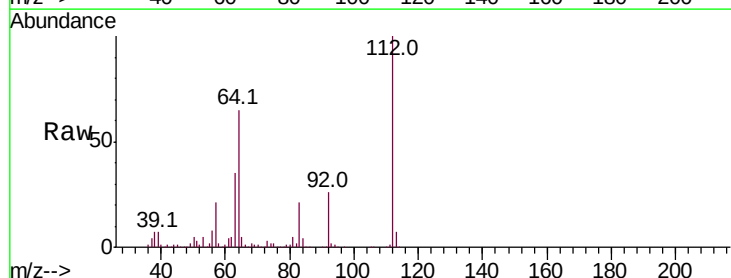
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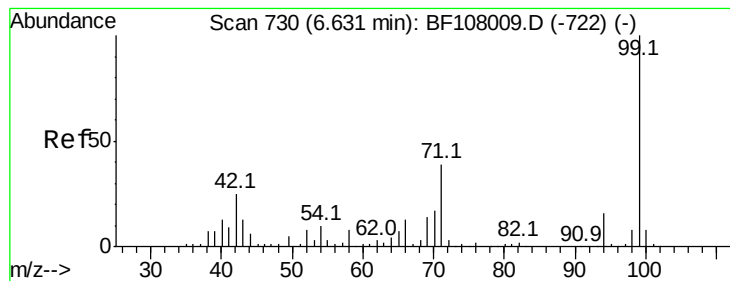


#5

2-Fluorophenol
Concen: 52.493 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108299.D
Acq: 20 Aug 2018 19:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	47.9	71.9
63	34.8	23.7	35.5





#7

Phenol-d6

Concen: 51.922 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108299.D

Acq: 20 Aug 2018 19:24

Instrument :

BNA_F

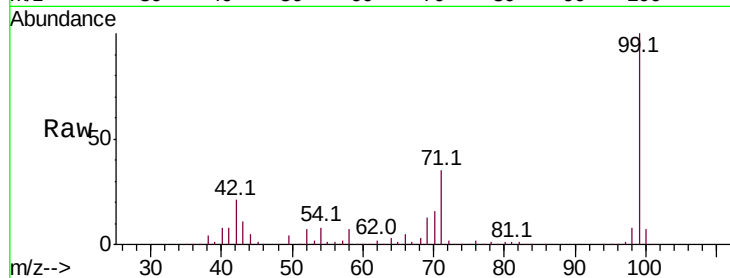
ClientSampleId :

CHRT26100

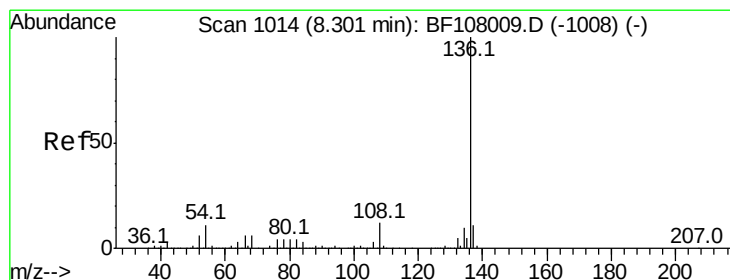
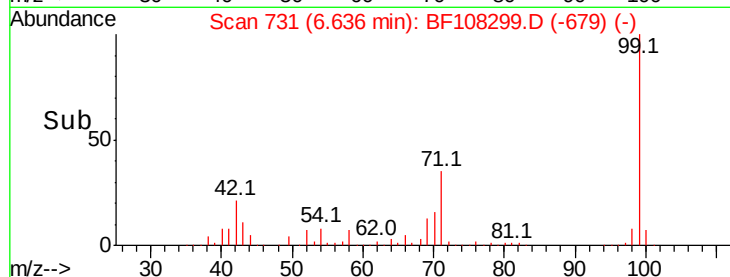
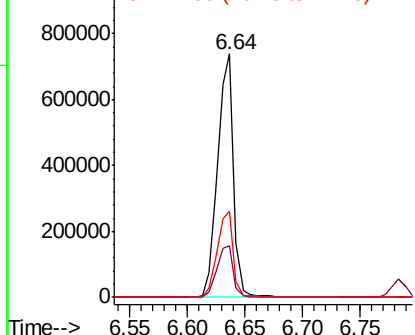
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		703115		
42	21.2	14.5	21.7		
71	35.4	25.4	38.0		

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

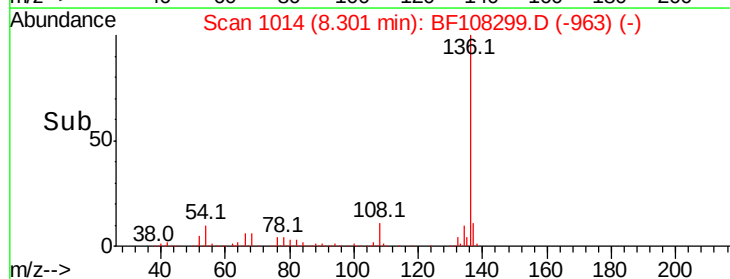
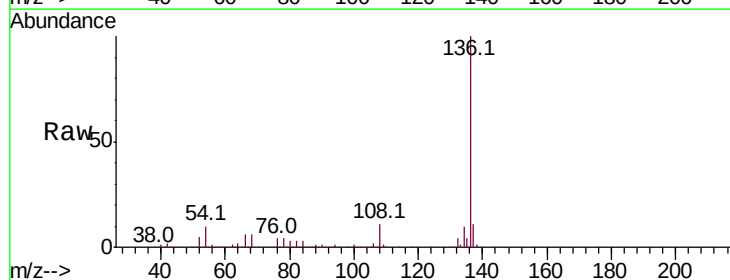
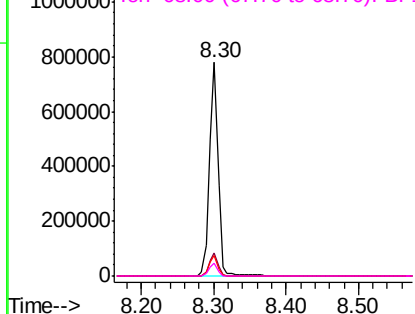
Delta R.T. 0.00 min

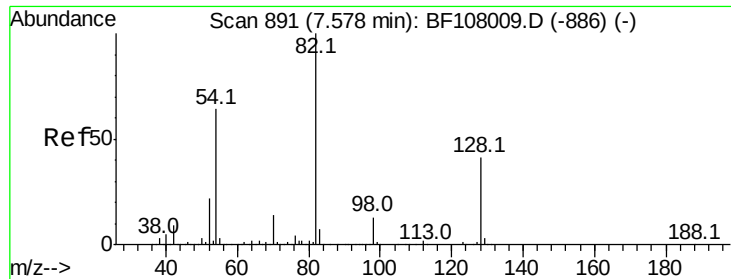
Lab File: BF108299.D

Acq: 20 Aug 2018 19:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		652888		
137	10.9	8.9	13.3		
54	9.6	6.6	9.8		
68	5.9	5.0	7.4		

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





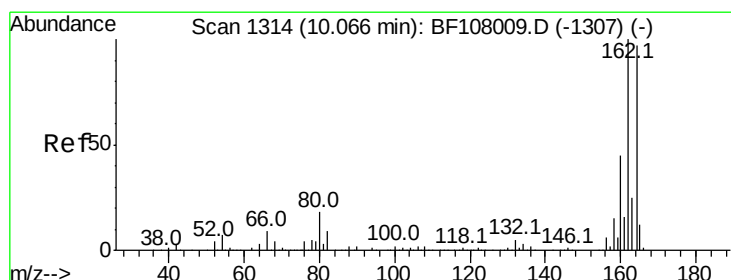
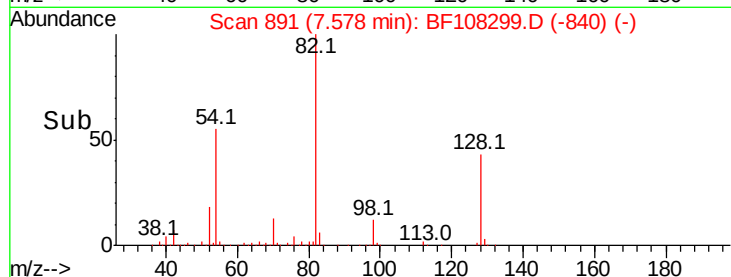
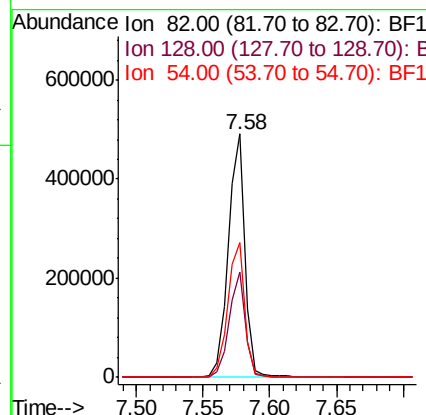
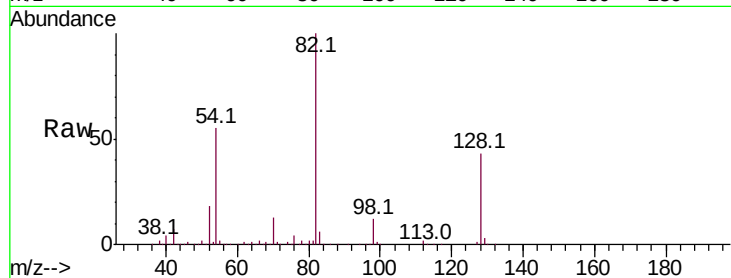
#23
Nitrobenzene-d5
Concen: 37.240 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108299.D
Acq: 20 Aug 2018 19:24

Instrument :
BNA_F
ClientSampleId :
CHRT26100

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.2	36.1	54.1	
54	55.4	41.4	62.2	

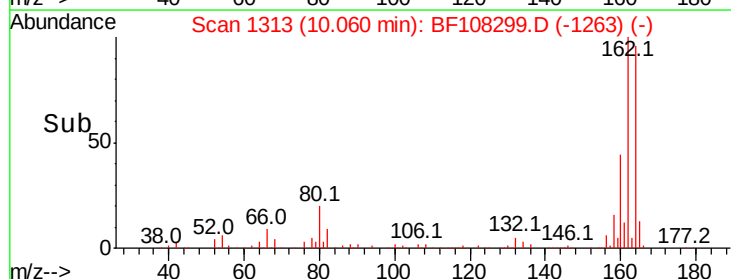
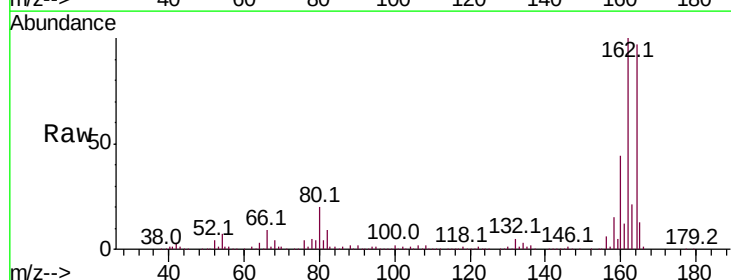
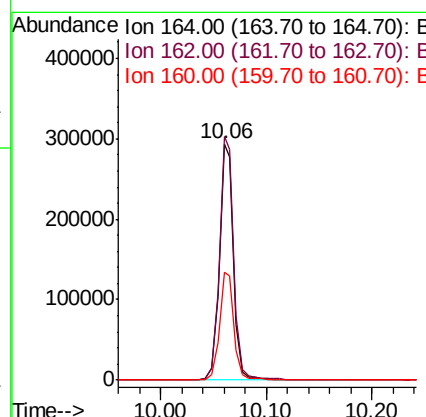
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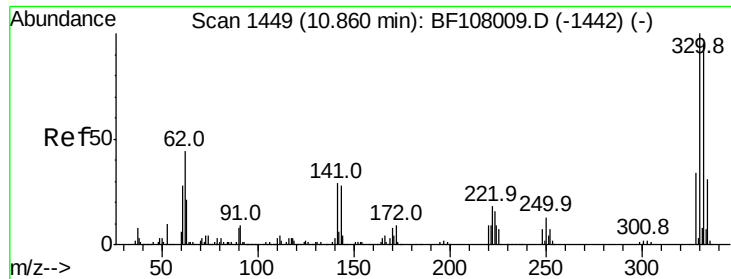
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108299.D
Acq: 20 Aug 2018 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.0	86.1	129.1	
160	45.5	38.3	57.5	





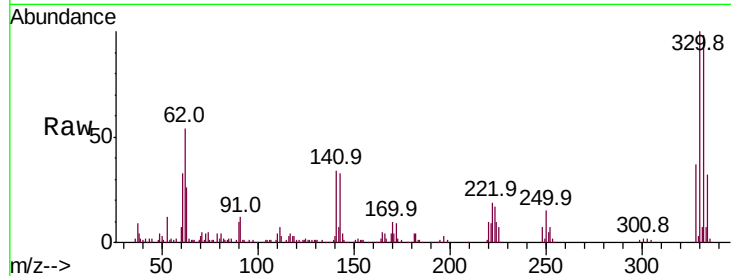
#41
 2,4,6-Tribromophenol
 Concen: 49.958 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108299.D
 Acq: 20 Aug 2018 19:24

Instrument :
 BNA_F
 ClientSampleId :
 CHRT26100

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.2	77.0	115.6	
141	32.9	29.9	44.9	

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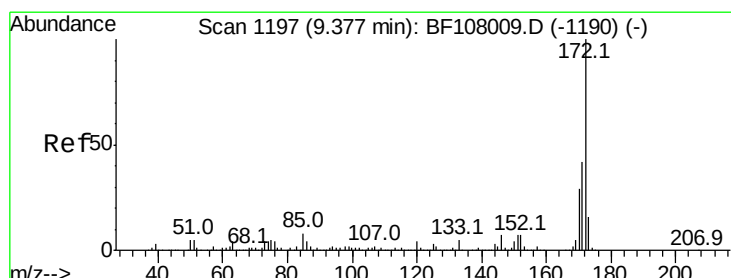
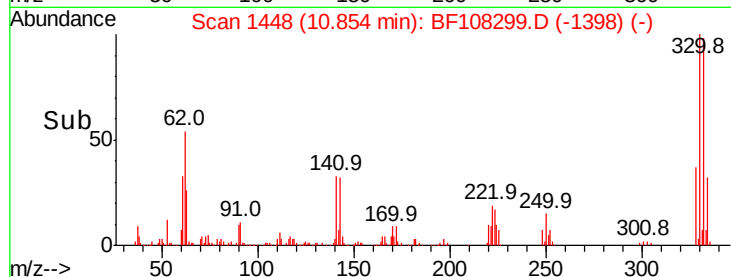
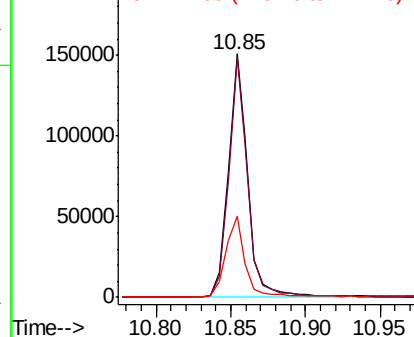


Abundance

Ion 329.80 (329.50 to 330.50): E

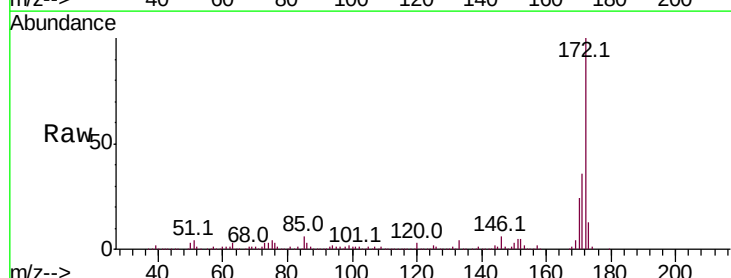
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 41.006 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108299.D
 Acq: 20 Aug 2018 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.0	29.7	44.5	
170	24.0	19.6	29.4	

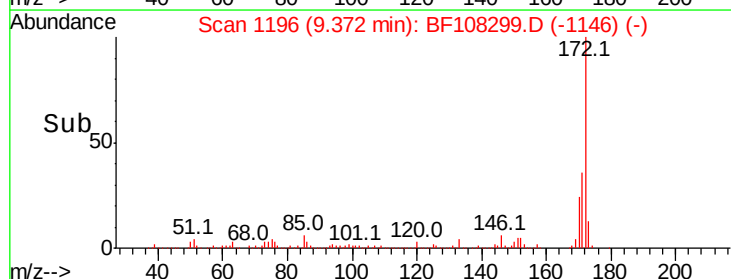
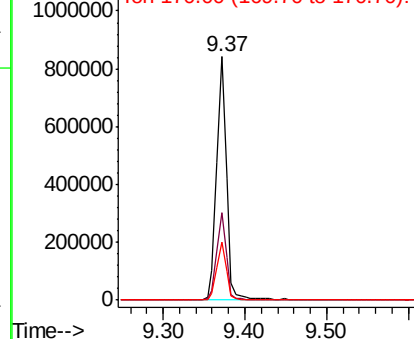


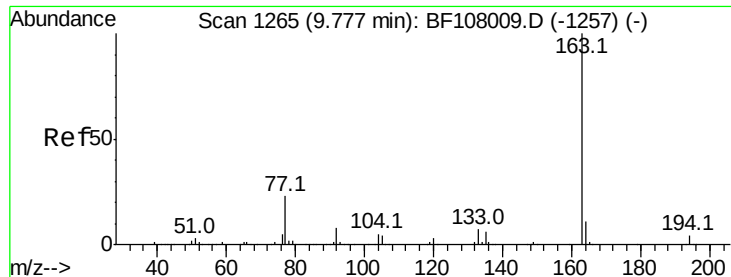
Abundance

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





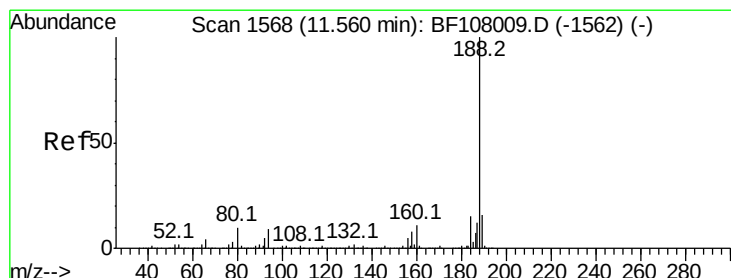
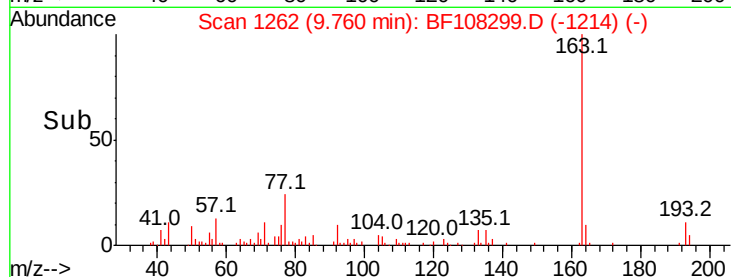
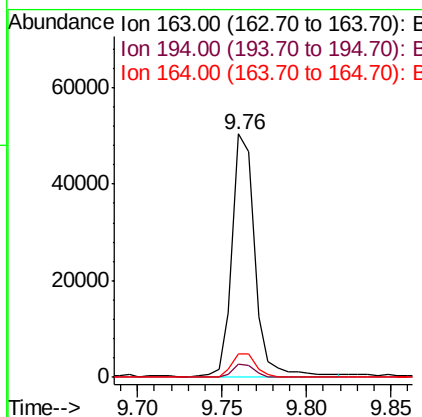
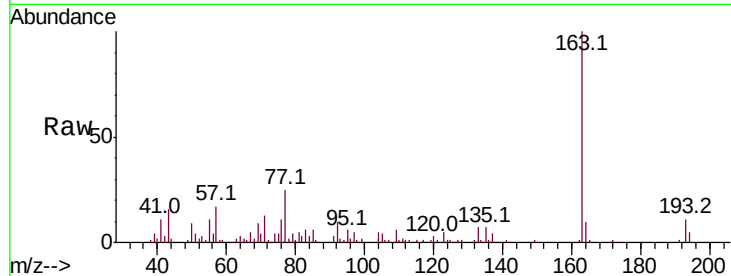
#49
 Dimethylphthalate
 Concen: 2.471 ng
 RT: 9.76 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: BF108299.D
 Acq: 20 Aug 2018 19:24

Instrument :
 BNA_F
 ClientSampleId :
 CHRT26100

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.5	2.7	4.1#
164	9.9	8.2	12.2

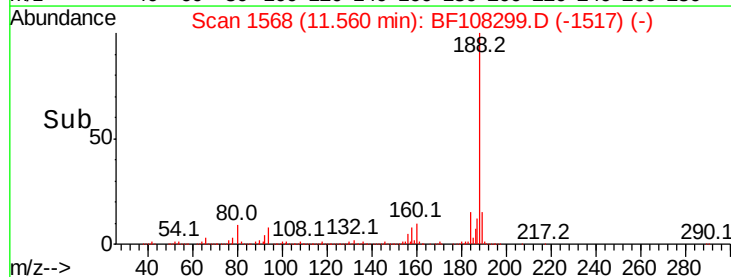
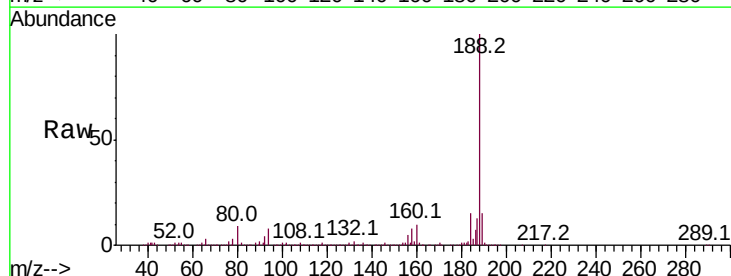
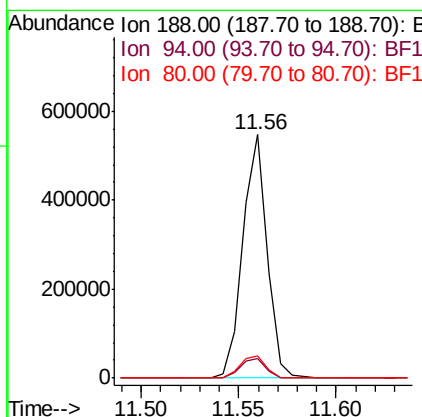
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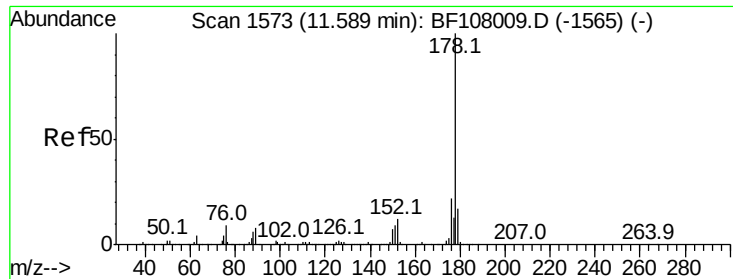
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108299.D
 Acq: 20 Aug 2018 19:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.5	12.7#
80	9.2	9.2	13.8#





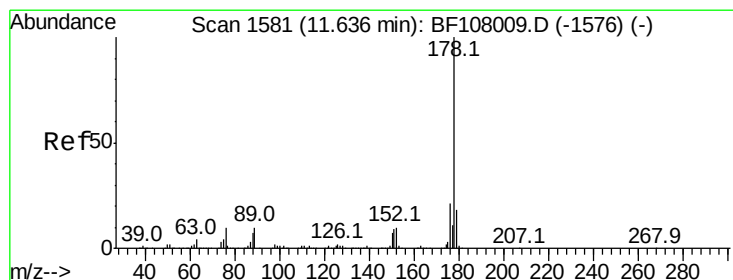
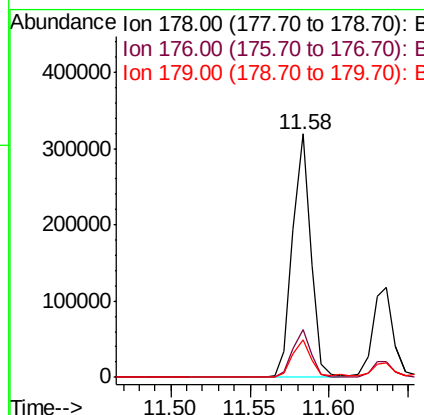
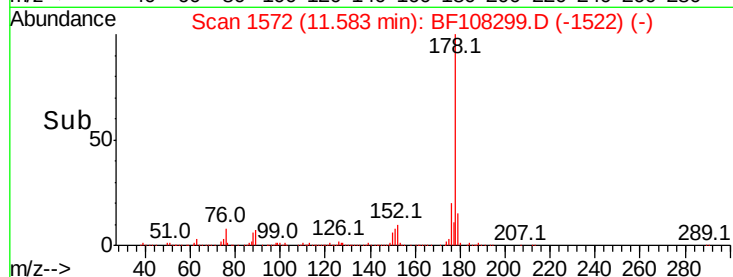
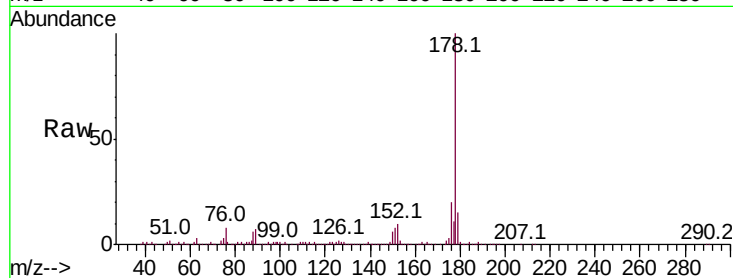
#70
Phenanthrene
Concen: 11.515 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108299.D
Acq: 20 Aug 2018 19:24

Instrument :
BNA_F
ClientSampleId :
CHRT26100

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.2	13.0	19.6

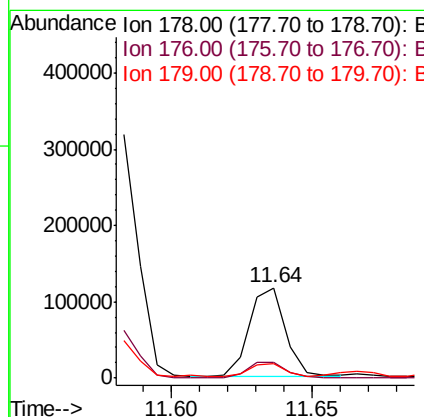
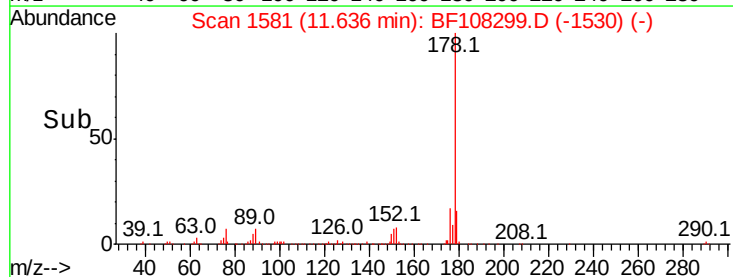
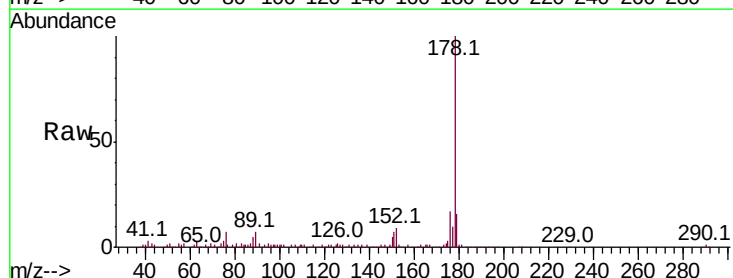
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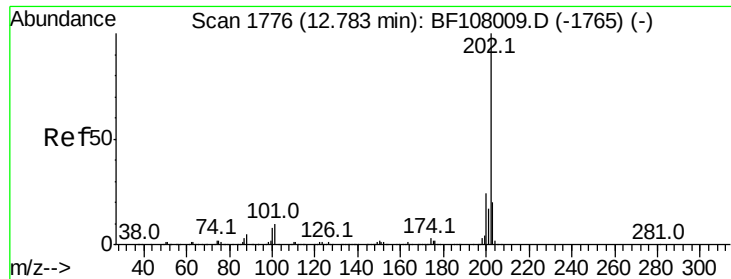
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#71
Anthracene
Concen: 4.521 ng
RT: 11.64 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF108299.D
Acq: 20 Aug 2018 19:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.0	15.4	23.2
179	16.4	12.6	19.0





#74

Fluoranthene

Concen: 26.057 ng

RT: 12.78 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF108299.D

Acq: 20 Aug 2018 19:24

Instrument :

BNA_F

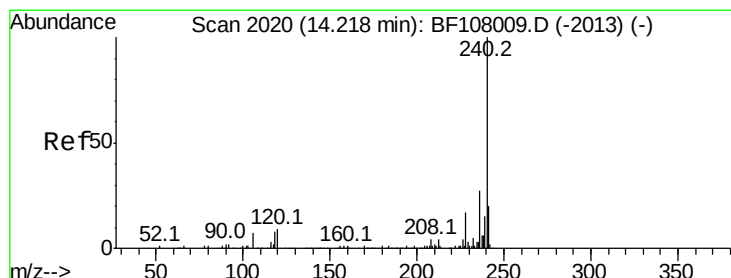
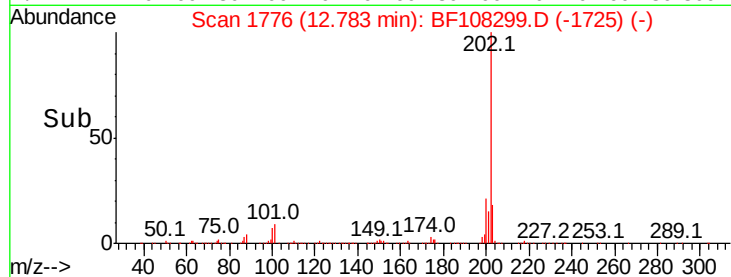
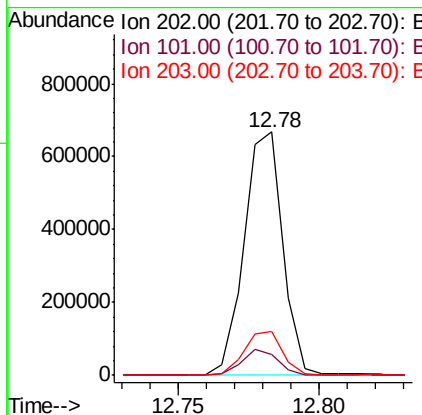
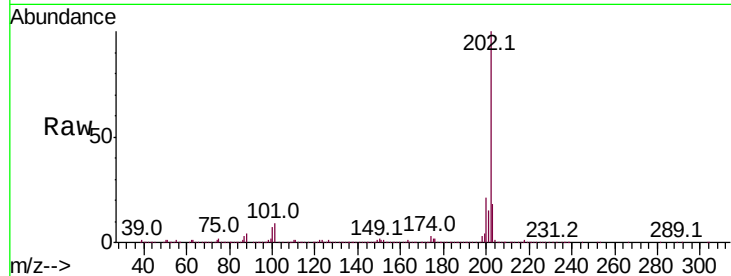
ClientSampleId :

CHRT26100

Tot Ion:	202	Resp:	630959
Ion Ratio	Lower	Upper	
202	100		
101	8.8	0.0	34.1
203	17.8	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

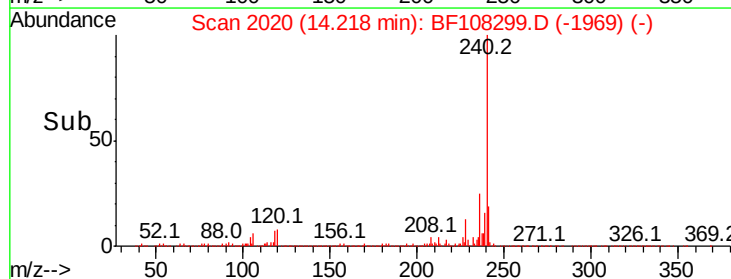
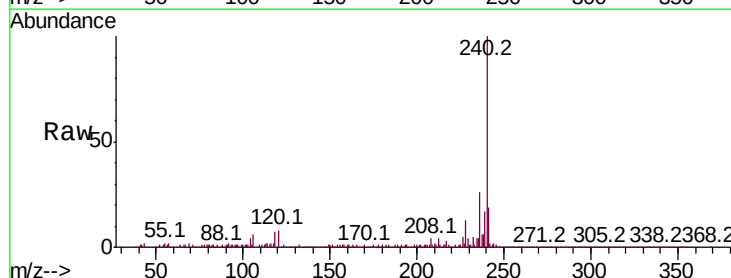
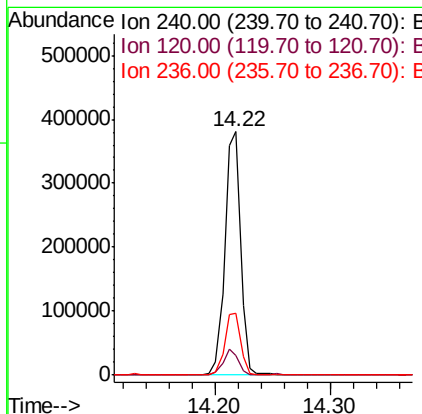
RT: 14.22 min Scan# 2020

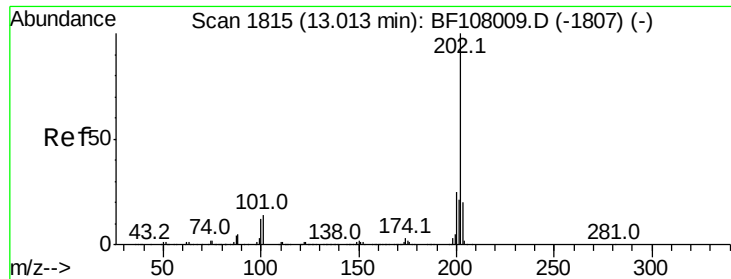
Delta R.T. 0.00 min

Lab File: BF108299.D

Acq: 20 Aug 2018 19:24

Tgt Ion:	240	Resp:	358309
Ion Ratio	Lower	Upper	
240	100		
120	8.2	9.5	14.3#
236	25.6	20.7	31.1





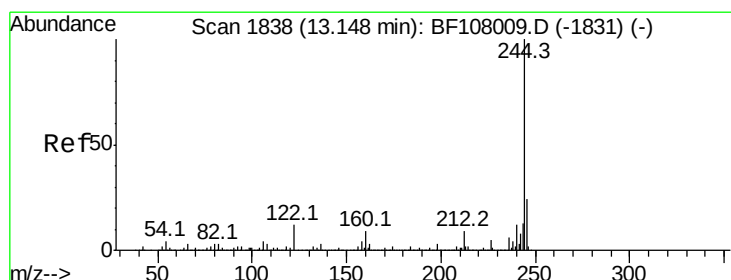
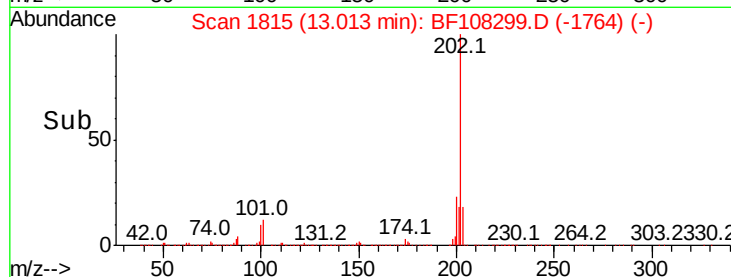
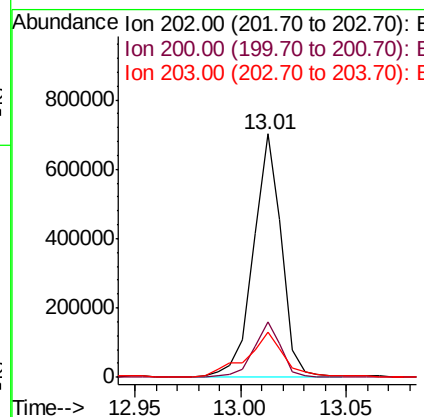
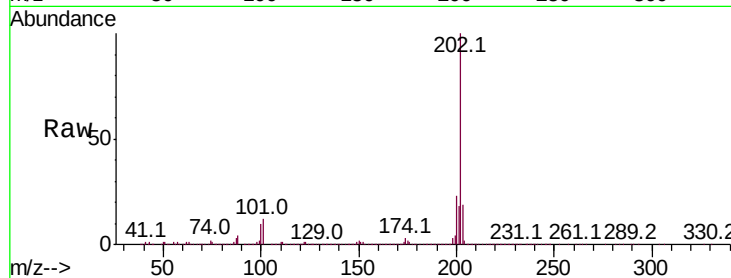
#77
Pvrene
Concen: 28.382 ng
RT: 13.01 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BF108299.D
Acq: 20 Aug 2018 19:24

Instrument :
BNA_F
ClientSampleId :
CHRT26100

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.6	17.4	26.2
203	18.6	14.3	21.5

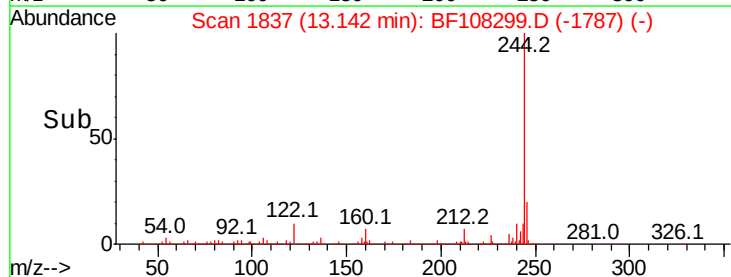
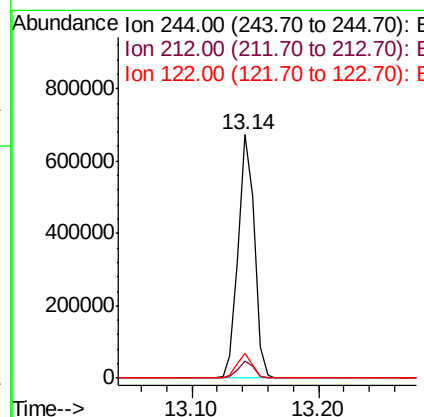
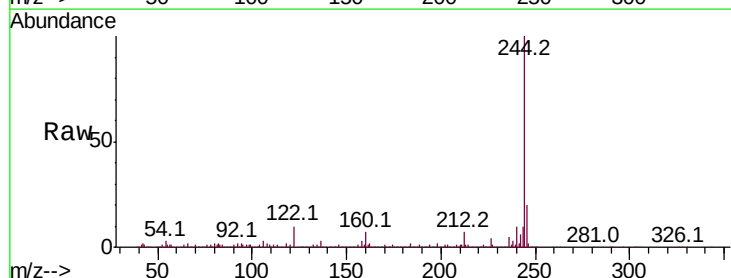
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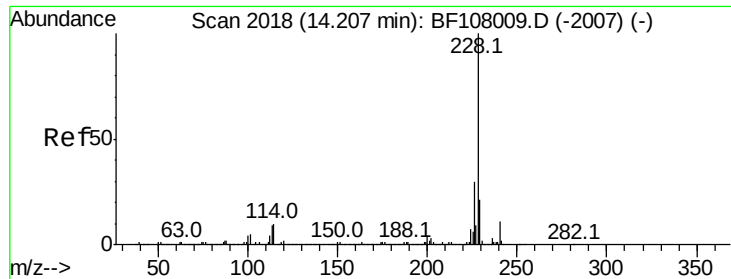
Sohil
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#78
Terphenyl-d14
Concen: 41.847 ng
RT: 13.14 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF108299.D
Acq: 20 Aug 2018 19:24

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	5.4	8.0
122	10.1	11.0	16.4#





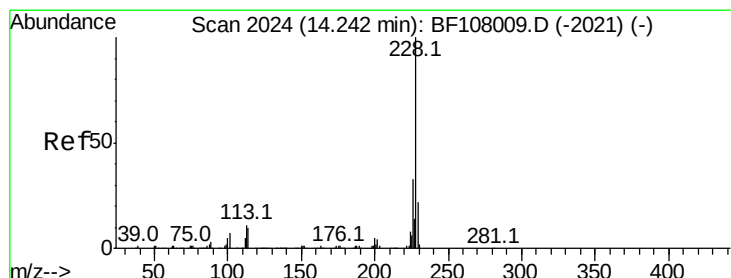
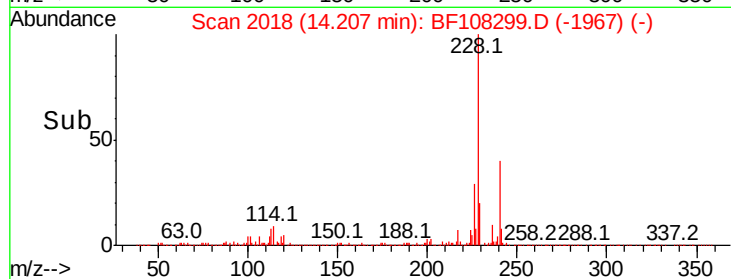
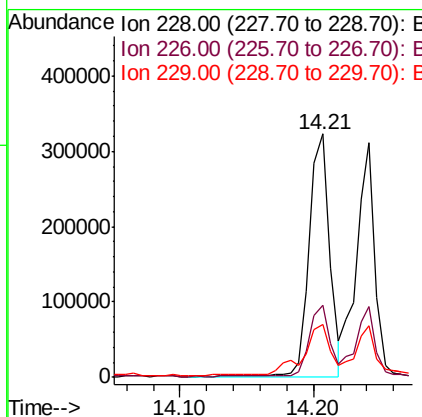
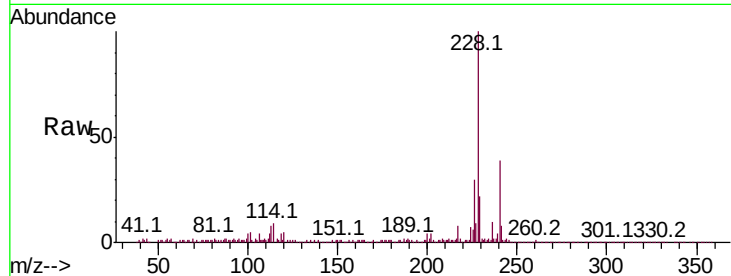
#80
Benzo(a)anthracene
Concen: 16.380 ng
RT: 14.21 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF108299.D
Acq: 20 Aug 2018 19:24

Instrument :
BNA_F
ClientSampleId :
CHRT26100

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	21.7	15.8	23.6

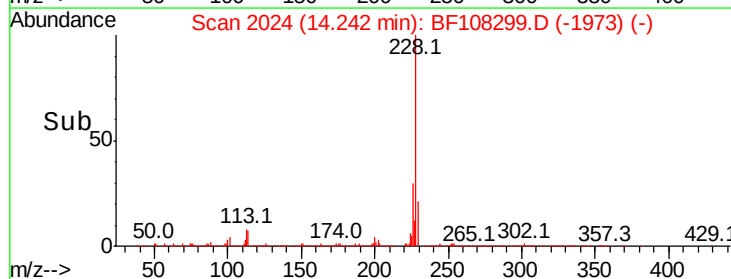
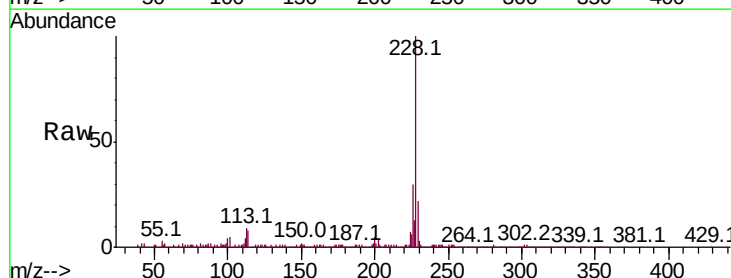
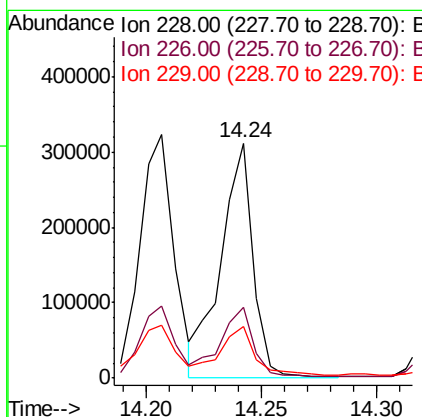
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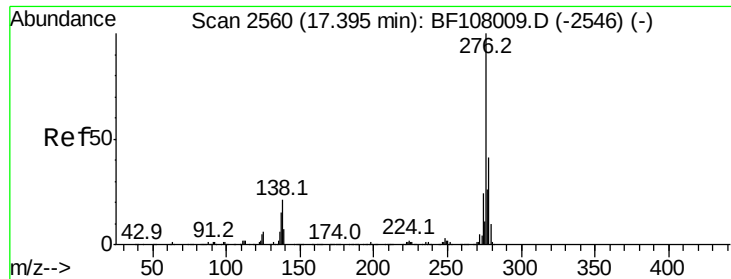
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#82
Chrysene
Concen: 15.991 ng
RT: 14.24 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF108299.D
Acq: 20 Aug 2018 19:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	21.8	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 8.560 ng

RT: 17.40 min Scan# 2561

Delta R.T. 0.01 min

Lab File: BF108299.D

Acq: 20 Aug 2018 19:24

Instrument :

BNA_F

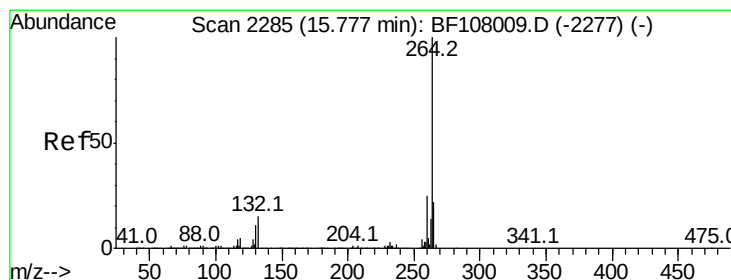
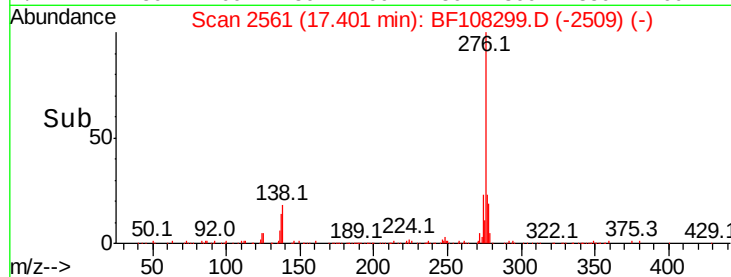
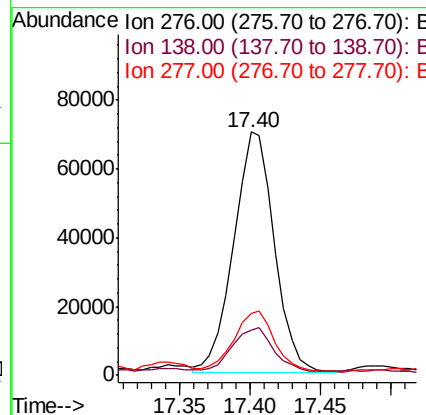
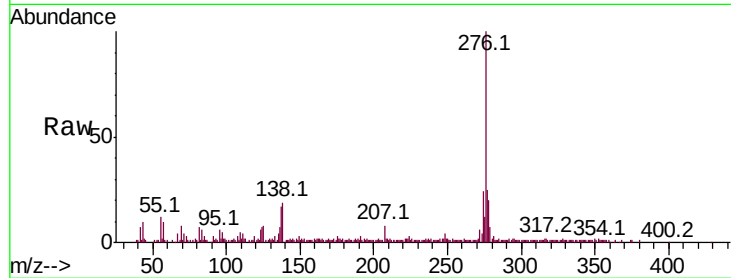
ClientSampleId :

CHRT26100

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.5	25.0	37.6#
277	24.7	20.1	30.1

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#86

Perylene-d12

Concen: 20.000 ng

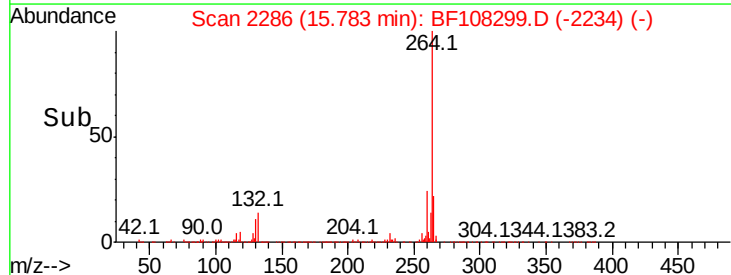
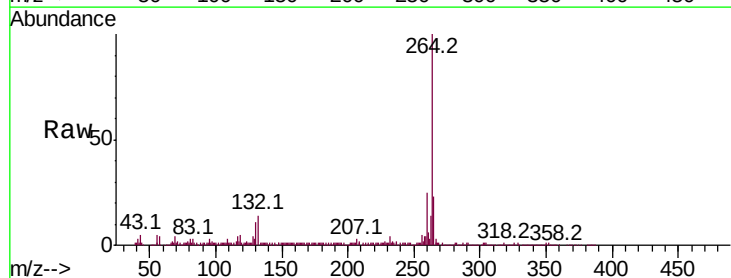
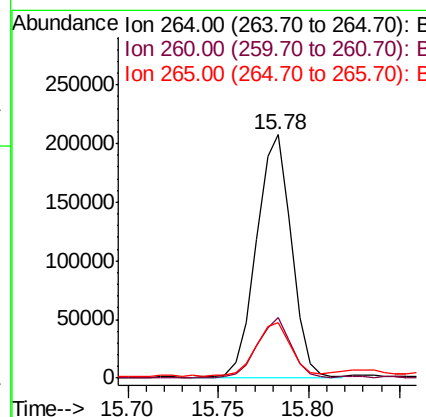
RT: 15.78 min Scan# 2286

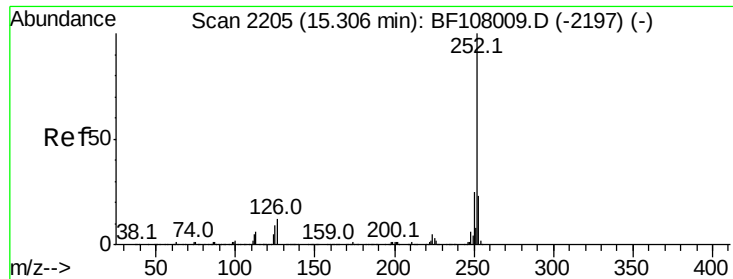
Delta R.T. 0.01 min

Lab File: BF108299.D

Acq: 20 Aug 2018 19:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 21.672 ng m

RT: 15.31 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BF108299.D

Acq: 20 Aug 2018 19:24

Instrument :

BNA_F

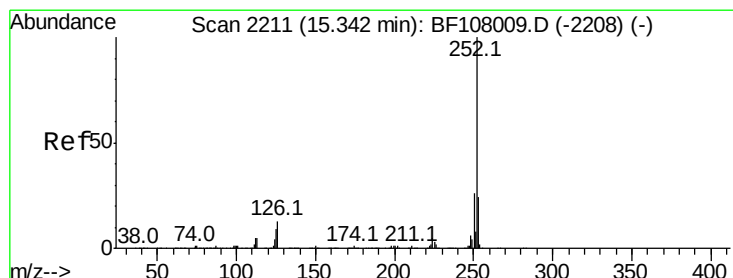
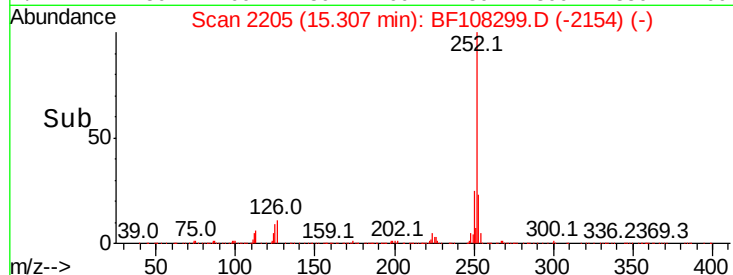
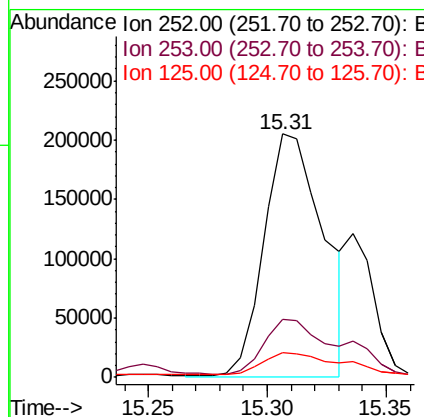
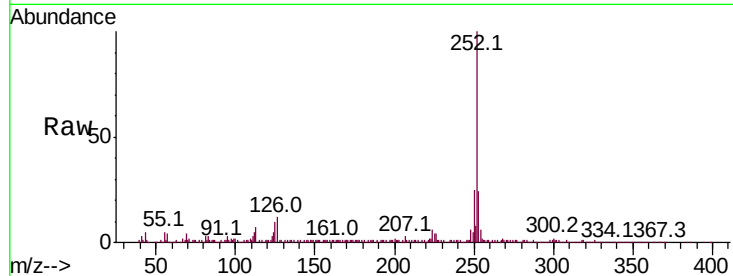
ClientSampled :

CHRT26100

Tot Ion:	252	Resp:	356979
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.0	25.6
125	10.3	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 6.540 ng m

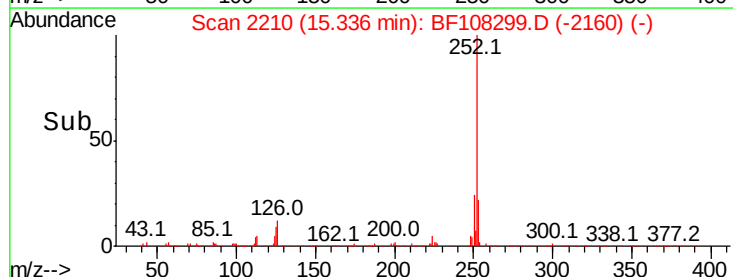
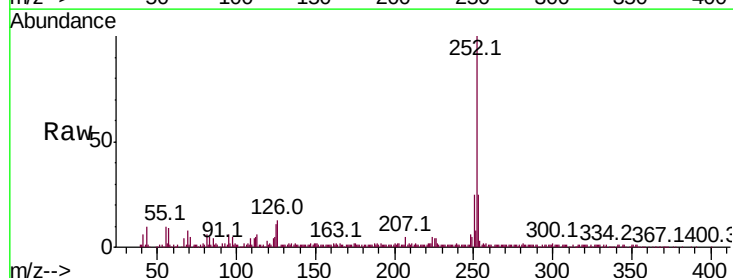
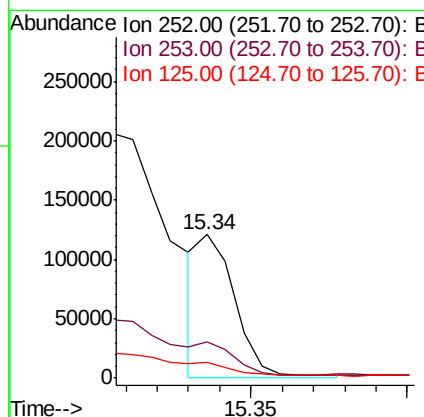
RT: 15.34 min Scan# 2210

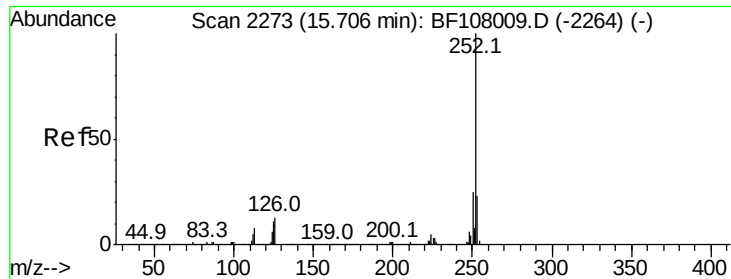
Delta R.T. -0.01 min

Lab File: BF108299.D

Acq: 20 Aug 2018 19:24

Tgt Ion:	252	Resp:	99023
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.9	26.9
125	10.6	10.2	15.2





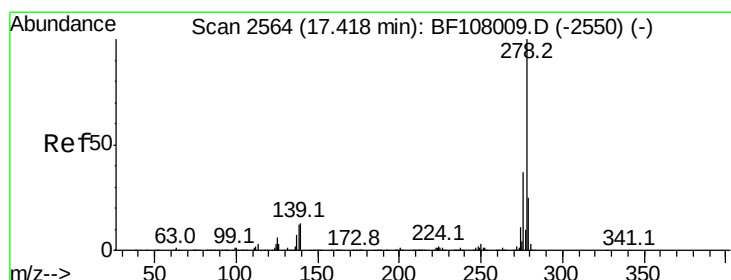
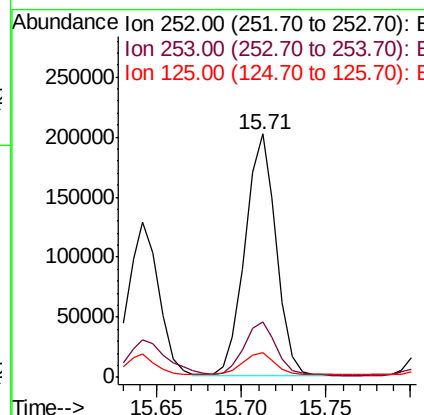
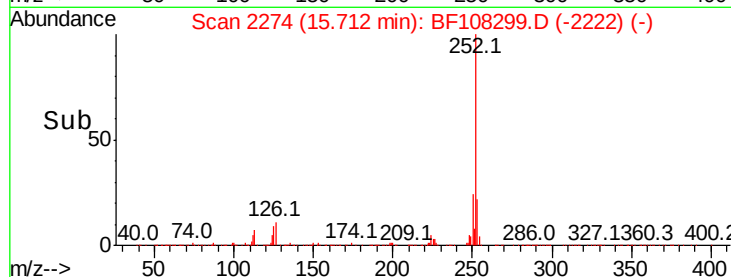
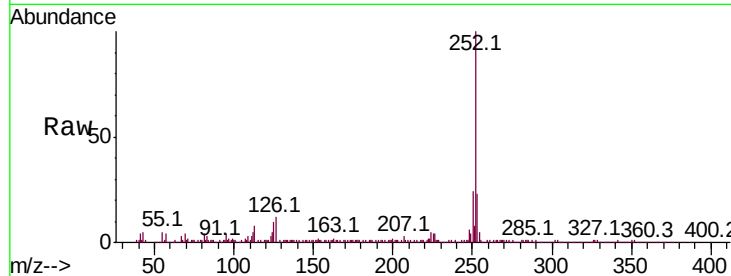
#89
Benzo(a)pyrene
Concen: 17.480 ng
RT: 15.71 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF108299.D
Acq: 20 Aug 2018 19:24

Instrument :
BNA_F
ClientSampleId :
CHRT26100

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	10.0	9.8	14.6

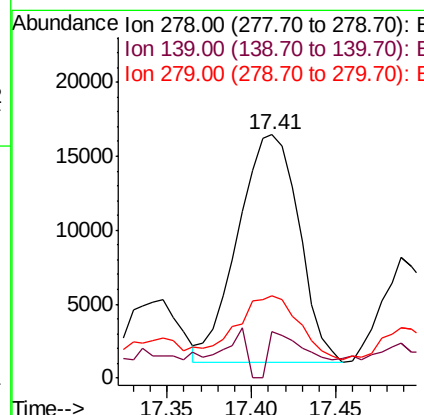
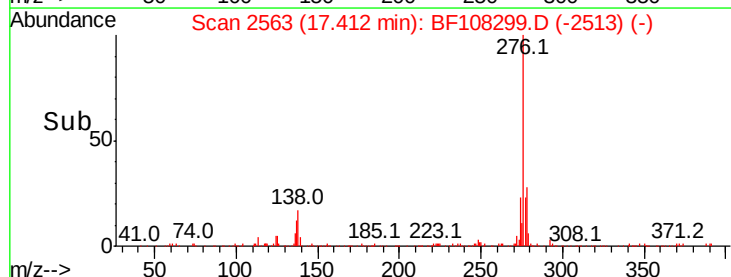
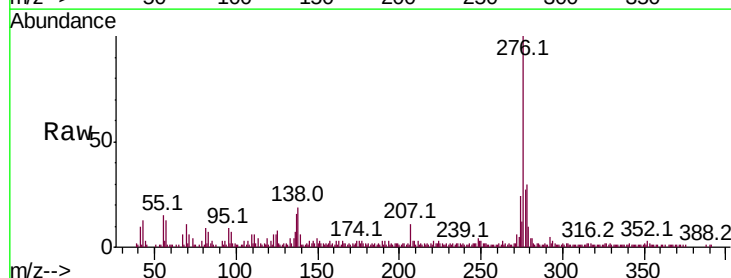
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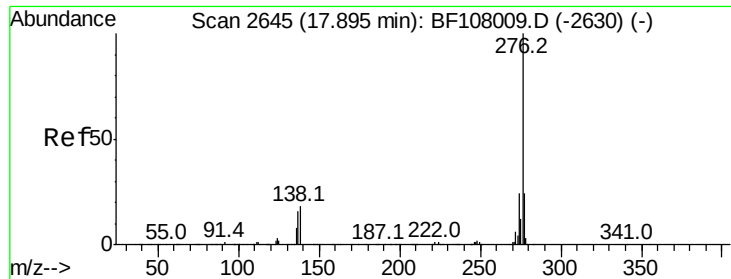
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#90
Dibenzo(a,h)anthracene
Concen: 3.173 ng
RT: 17.41 min Scan# 2563
Delta R.T. -0.01 min
Lab File: BF108299.D
Acq: 20 Aug 2018 19:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.9	15.9	23.9
279	33.9	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 11.045 ng
 RT: 17.90 min Scan# 2646
 Delta R.T. 0.01 min
 Lab File: BF108299.D
 Acq: 20 Aug 2018 19:24

Instrument :
 BNA_F
 ClientSampleId :
 CHRT26100

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.9	26.9
138	19.2	21.8	32.8

Manual Integrations
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