

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
 Data File : BF112678.D
 Acq On : 22 Feb 2019 21:33
 Operator : JU/SJ
 Sample : K1572-02 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 30019

Manual Integrations
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 2/25/2019 9:21:22 AM

Quant Time: Feb 23 01:24:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	83984	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	326403	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	142132	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	213735	20.00	ng	-0.03
76) Chrysene-d12	13.98	240	162944	20.00	ng	-0.03
87) Perylene-d12	15.45	264	157200	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	161326	40.80	ng	-0.02
7) Phenol-d6	6.48	99	212565	38.69	ng	-0.01
23) Nitrobenzene-d5	7.38	82	126229	22.28	ng	-0.03
42) 2,4,6-Tribromophenol	10.65	330	48119	29.09	ng	-0.03
45) 2-Fluorobiphenyl	9.17	172	265524	26.42	ng	-0.04
79) Terphenyl-d14	12.91	244	187847	21.71	ng	-0.04
Target Compounds						
37) 2-Methylnaphthalene	8.82	142	43516	4.164	ng	Qvalue # 94
38) 1-Methylnaphthalene	8.91	142	22892m	2.286	ng	
71) Phenanthrene	11.36	178	253879	22.848	ng	97
72) Anthracene	11.42	178	39137m	3.536	ng	
73) Carbazole	11.58	167	39466	3.615	ng	# 95
75) Fluoranthene	12.56	202	367022	30.796	ng	97
78) Pyrene	12.79	202	273791	24.269	ng	98
81) Benzo(a)anthracene	13.97	228	96747	10.100	ng	97
83) Chrysene	14.01	228	125677	13.745	ng	99
84) Bis(2-ethylhexyl)phthalate	13.93	149	28841	3.723	ng	98
86) Indeno(1,2,3-cd)pyrene	16.95	276	59506	8.213	ng	# 91
88) Benzo(b)fluoranthene	15.03	252	161967m	17.228	ng	
89) Benzo(k)fluoranthene	15.05	252	40288m	4.474	ng	
90) Benzo(a)pyrene	15.39	252	82692	9.775	ng	# 96
92) Benzo(a,h,i)perylene	17.40	276	53760	8.358	ng	94

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

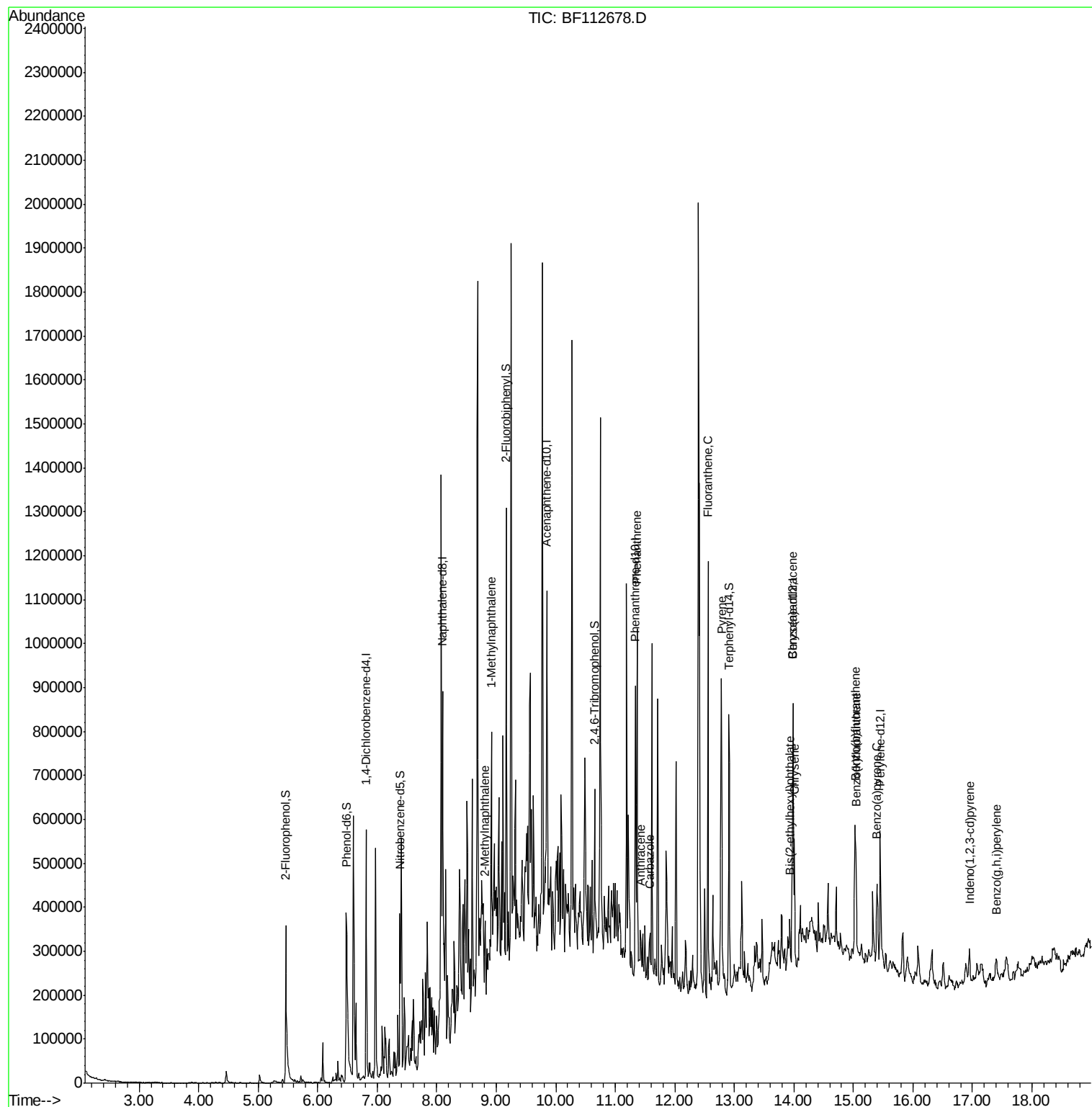
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\
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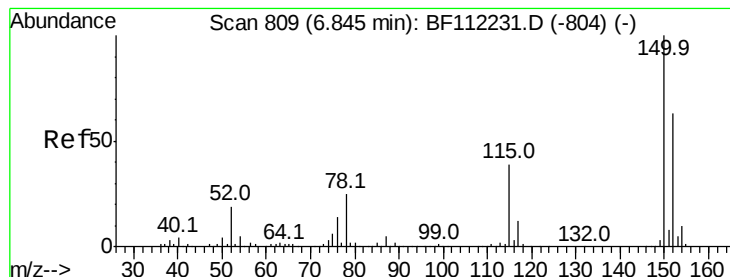
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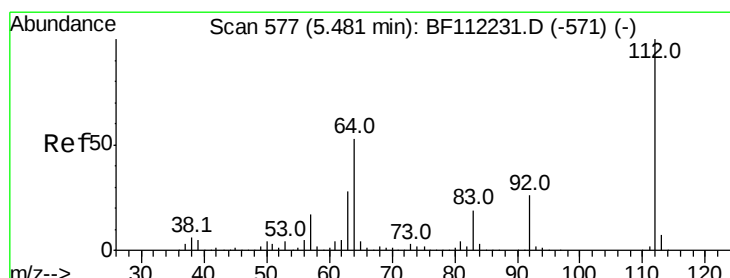
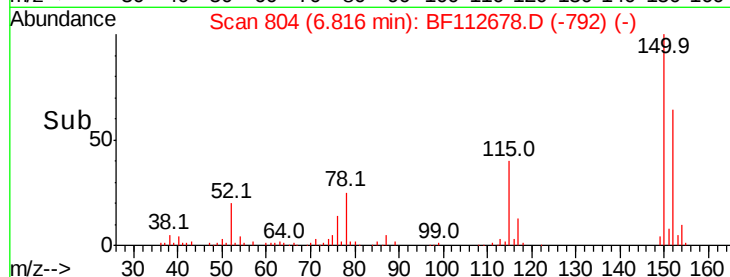
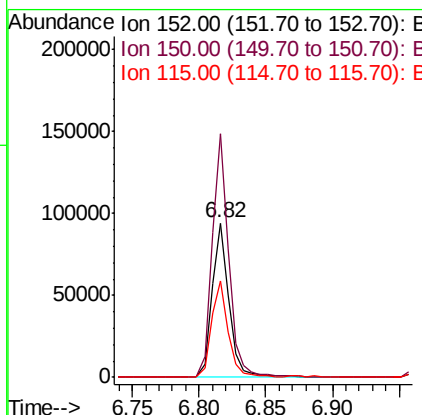
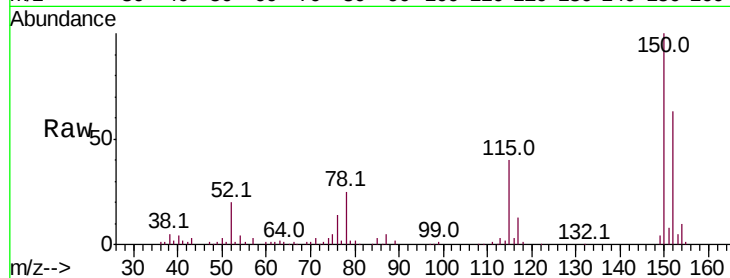
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF112678.D
 Acq: 22 Feb 2019 21:33

Instrument :
 BNA_F
 ClientSampleID :
 30019

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	127.4	191.0
115	62.6	45.5	68.3

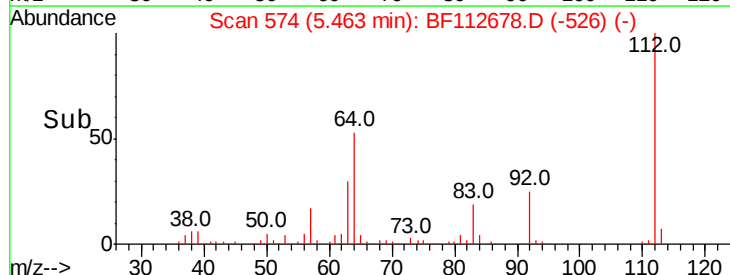
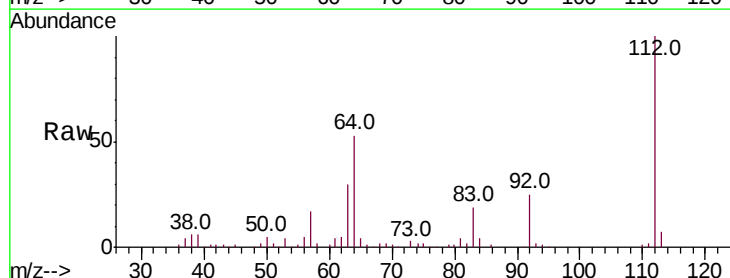
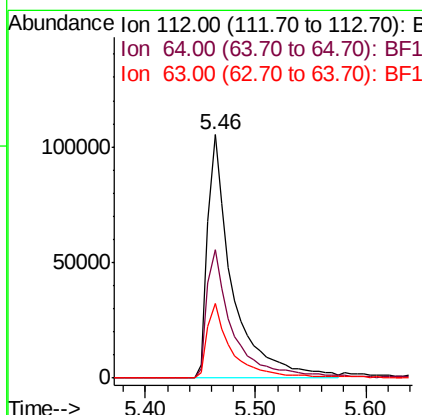
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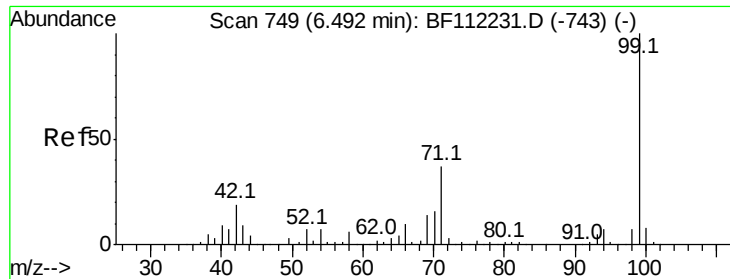
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#5
 2-Fluorophenol
 Concen: 40.801 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.02 min
 Lab File: BF112678.D
 Acq: 22 Feb 2019 21:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	45.7	68.5
63	30.5	23.6	35.4





#7

Phenol-d6

Concen: 38.689 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112678.D

Acq: 22 Feb 2019 21:33

Instrument :

BNA_F

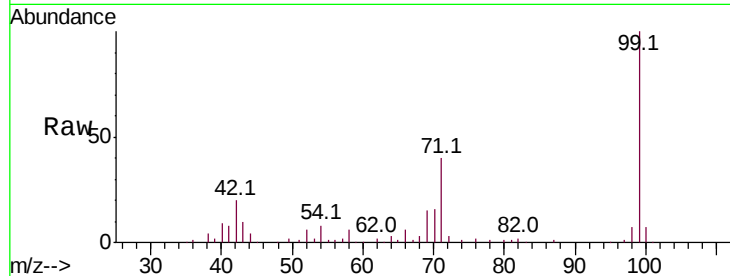
ClientSampled :

30019

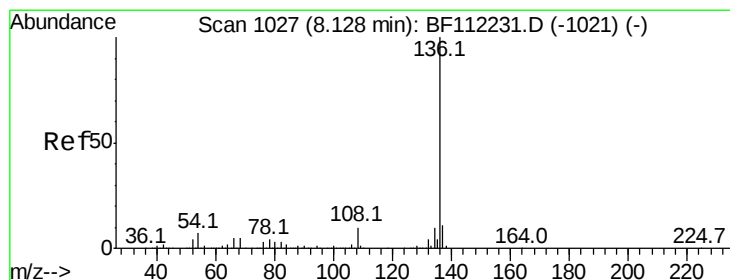
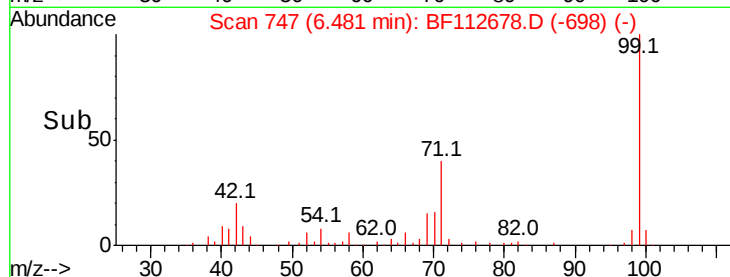
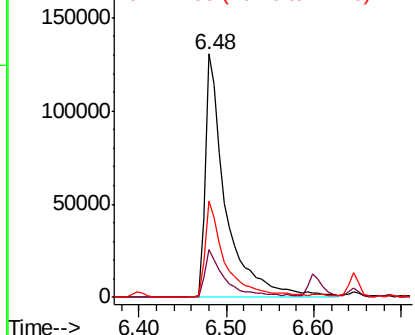
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		212565		
42	19.8	15.1	22.7		
71	39.6	26.9	40.3		

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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: 8.10 min Scan# 1022

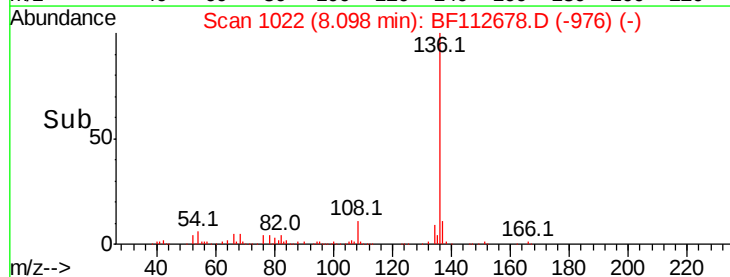
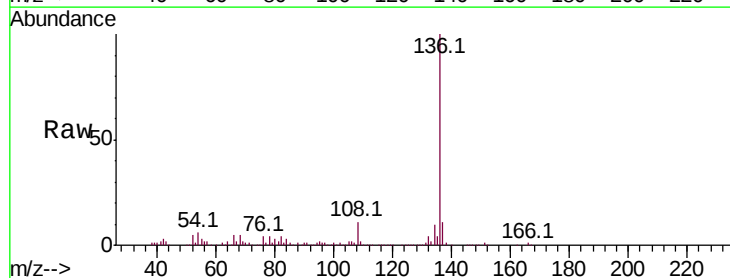
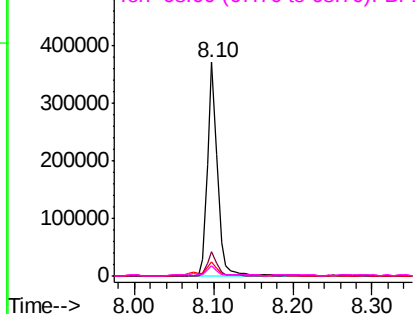
Delta R.T. -0.03 min

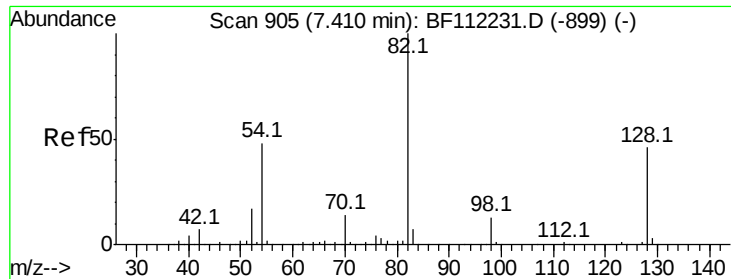
Lab File: BF112678.D

Acq: 22 Feb 2019 21:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		326403		
137	11.2	9.1	13.7		
54	6.4	5.9	8.9		
68	5.0	5.1	7.7#		

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





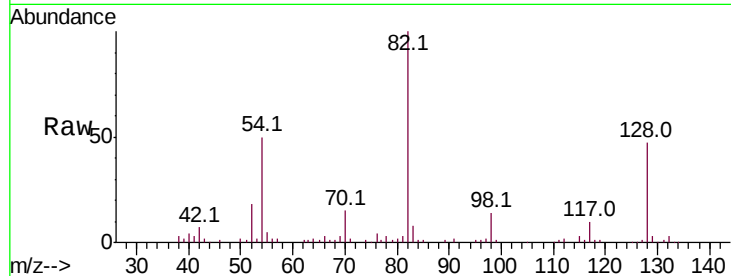
#23
Nitrobenzene-d5
Concen: 22.283 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.03 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Instrument :
BNA_F
ClientSampled :
30019

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.7	37.8	56.8	
54	50.1	39.7	59.5	

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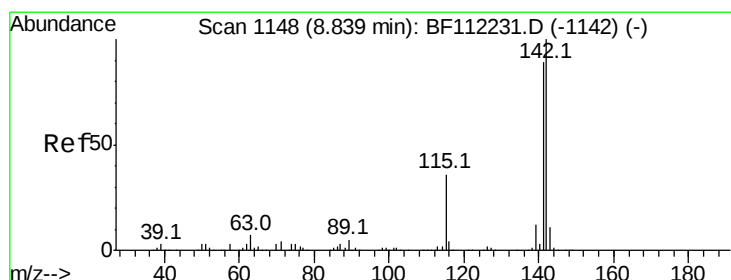
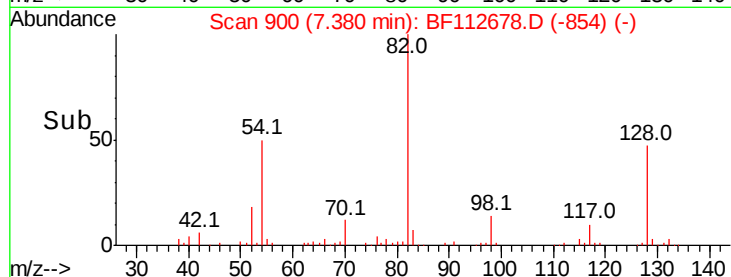
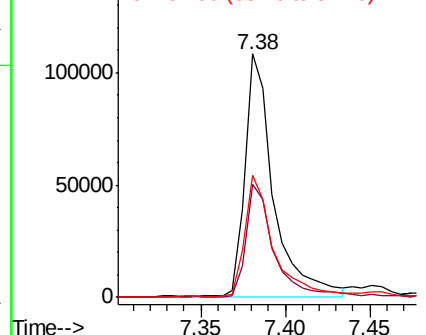


Abundance

Ion 82.00 (81.70 to 82.70): BF1

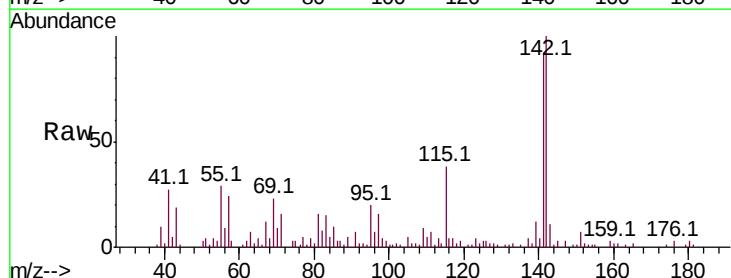
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#37
2-Methylnaphthalene
Concen: 4.164 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.02 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	92.0	70.9	106.3	
115	37.9	24.9	37.3#	

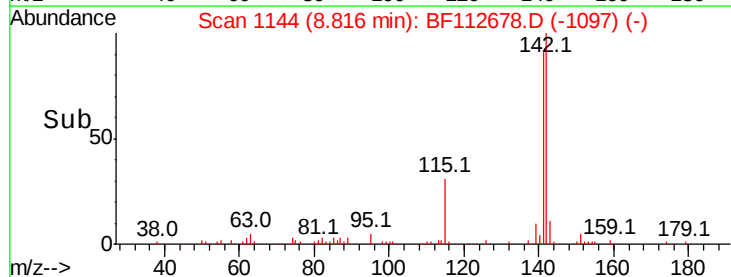
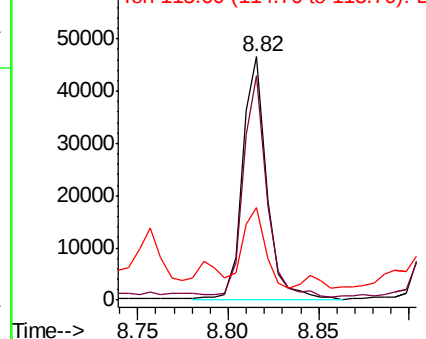


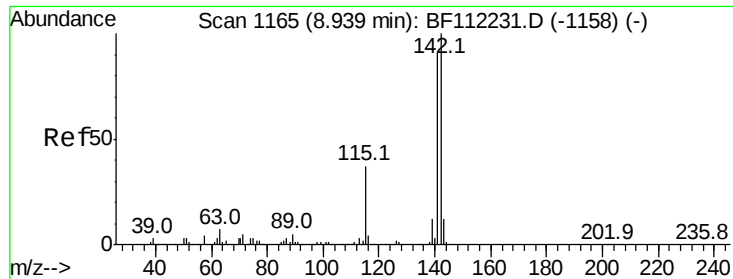
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





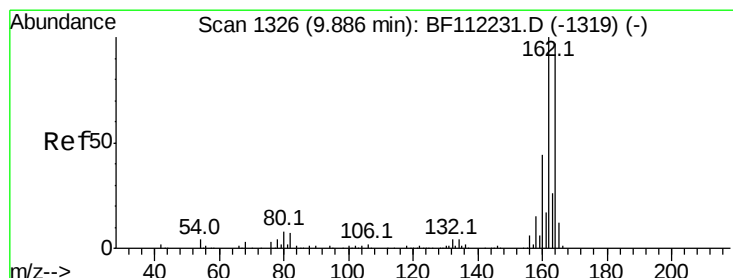
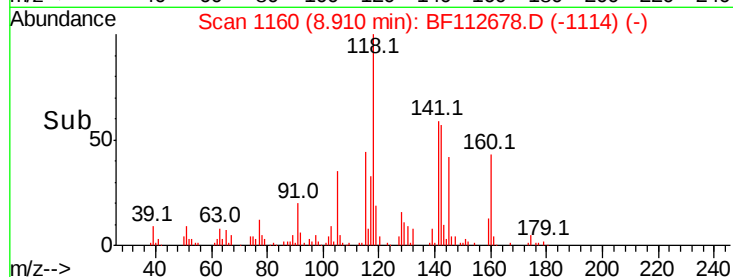
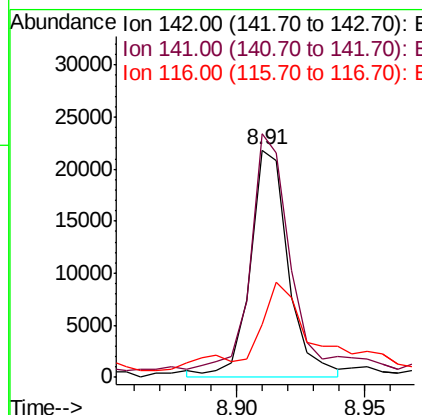
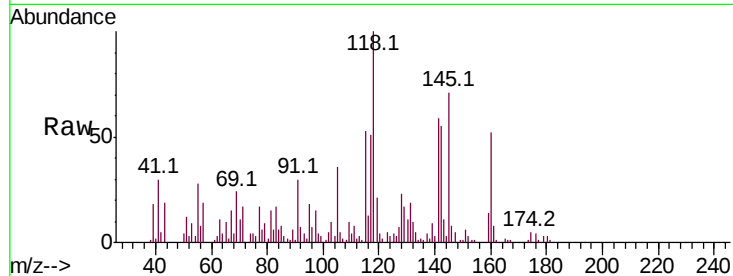
#38
1-Methylnaphthalene
Concen: 2.286 ng m
RT: 8.91 min Scan# 1160
Delta R.T. -0.03 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Instrument :
BNA_F
ClientSampled :
30019

Tot Ion	Ratio	Lower	Upper
142	100		
141	107.0	72.6	108.8
116	23.3	2.8	4.2#

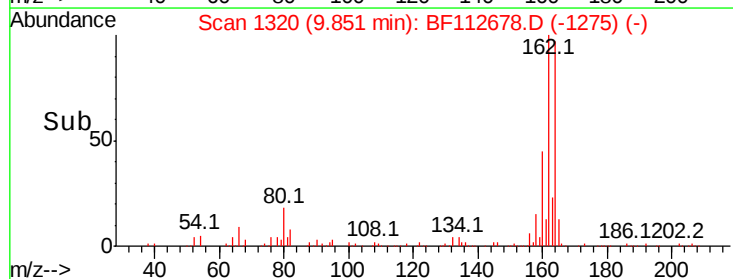
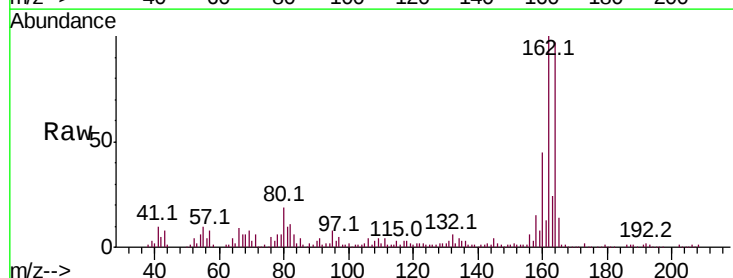
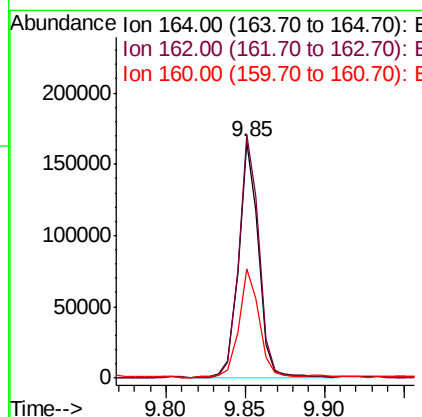
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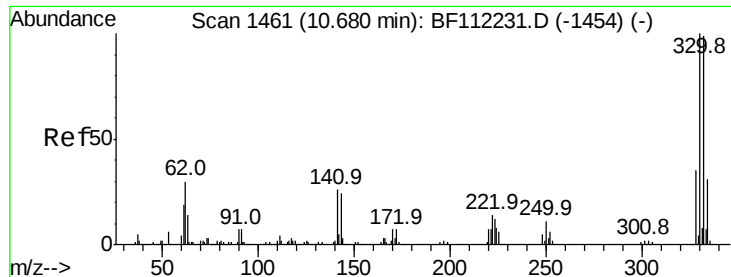
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.04 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.2	123.4
160	46.5	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 29.086 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.03 min

Lab File: BF112678.D

Acq: 22 Feb 2019 21:33

Instrument :

BNA_F

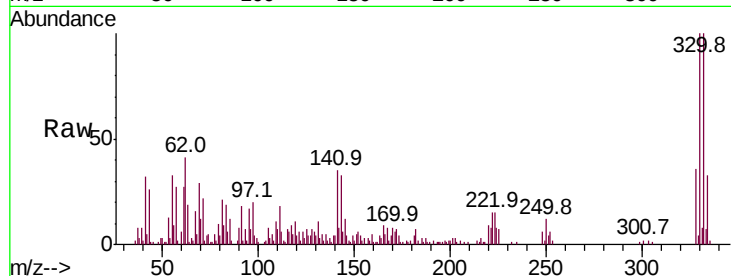
ClientSampled :

30019

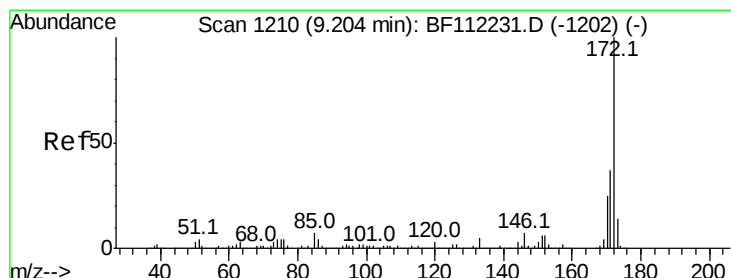
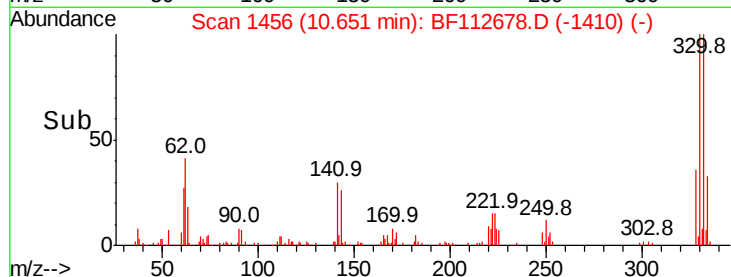
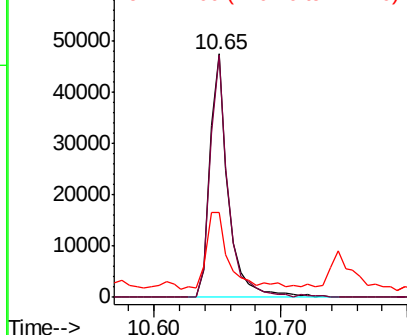
Tot Ion:	330	Resp:	48119
Ion Ratio	Lower	Upper	
330	100		
332	97.7	76.6	114.8
141	37.7	24.3	36.5#

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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



#45

2-Fluorobiphenyl

Concen: 26.422 ng

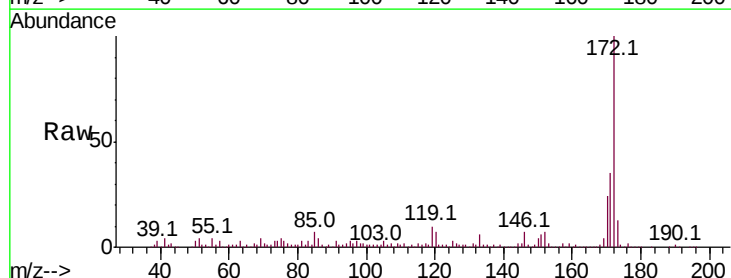
RT: 9.17 min Scan# 1204

Delta R.T. -0.04 min

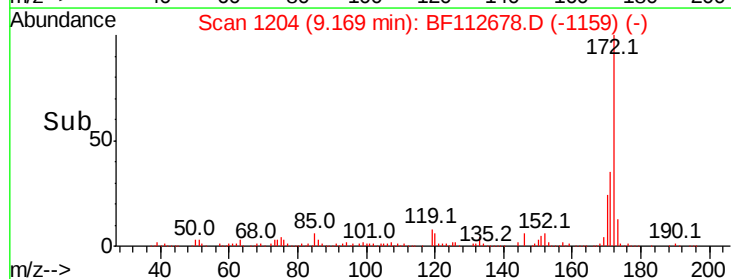
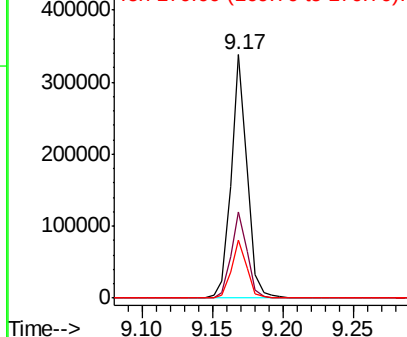
Lab File: BF112678.D

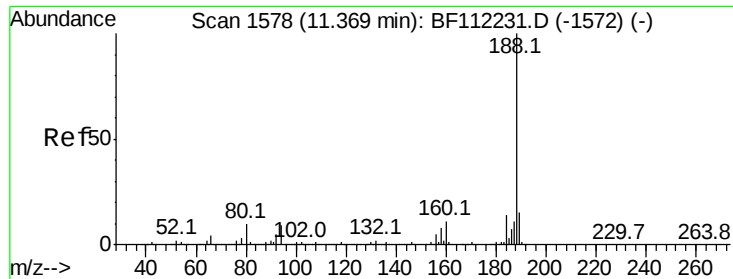
Acq: 22 Feb 2019 21:33

Tgt Ion:	172	Resp:	265524
Ion Ratio	Lower	Upper	
172	100		
171	35.4	30.5	45.7
170	23.6	20.2	30.4



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.03 min

Lab File: BF112678.D

Acq: 22 Feb 2019 21:33

Instrument :

BNA_F

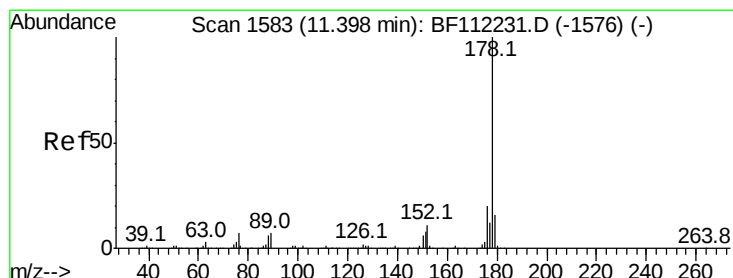
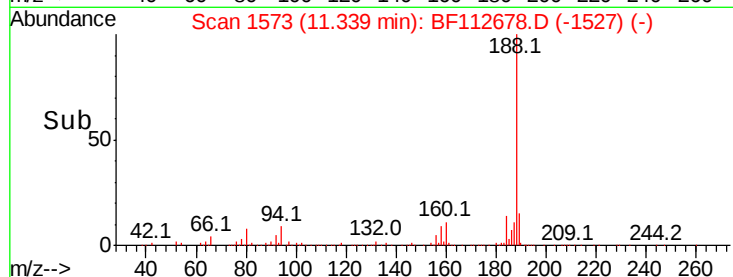
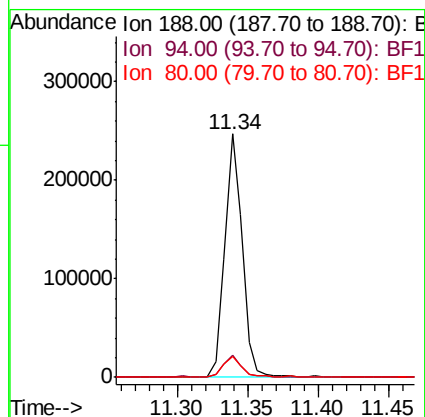
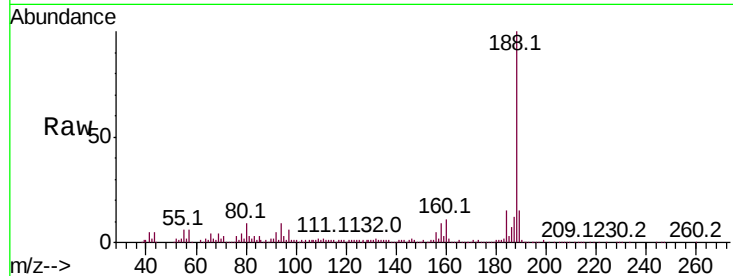
ClientSampleId :

30019

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.9	8.2	12.2
80	8.6	8.9	13.3#

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#71

Phenanthrene

Concen: 22.848 ng

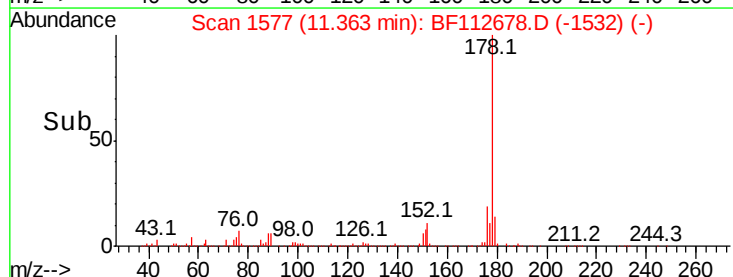
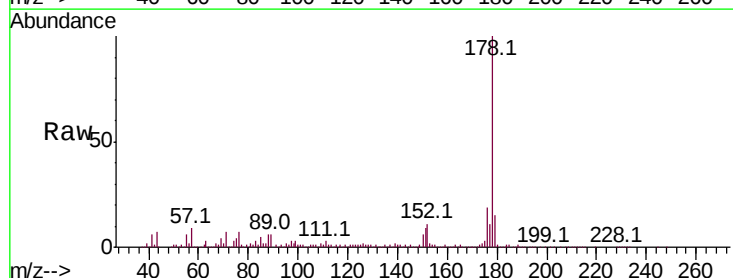
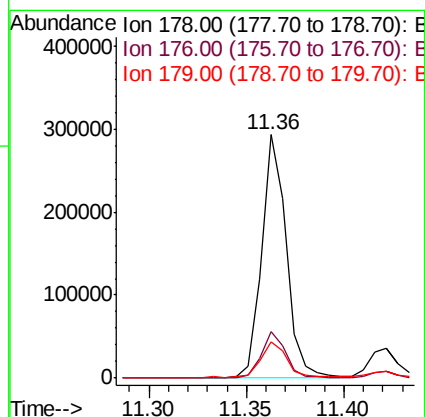
RT: 11.36 min Scan# 1577

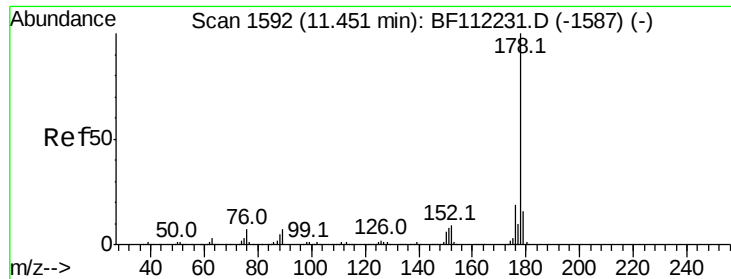
Delta R.T. -0.04 min

Lab File: BF112678.D

Acq: 22 Feb 2019 21:33

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	16.3	24.5
179	14.8	13.0	19.4





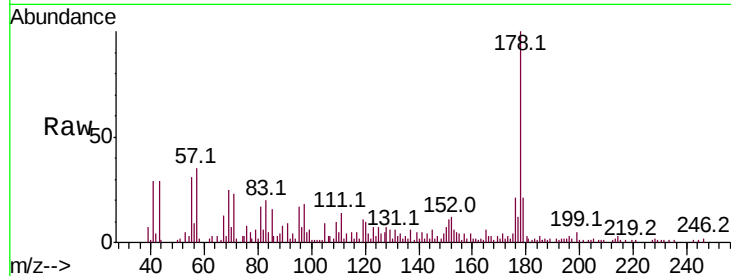
#72
 Anthracene
 Concen: 3.536 ng m
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.03 min
 Lab File: BF112678.D
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Instrument :
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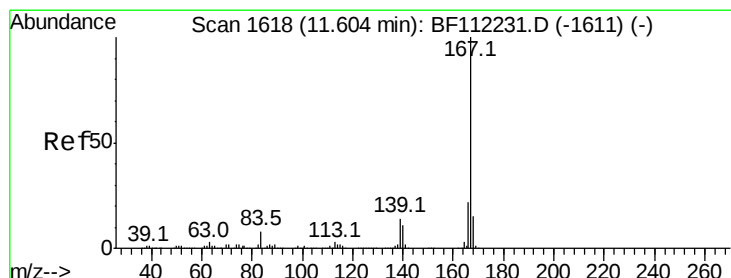
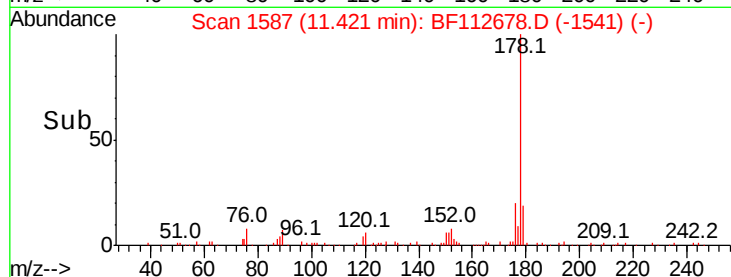
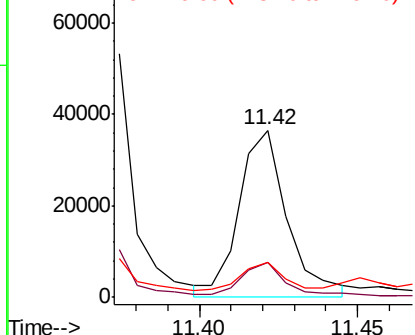
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.5	23.3
179	21.1	12.8	19.2

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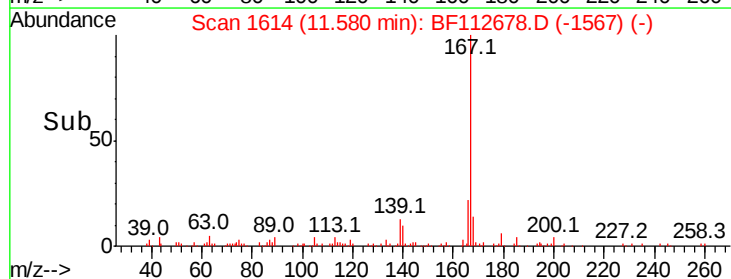
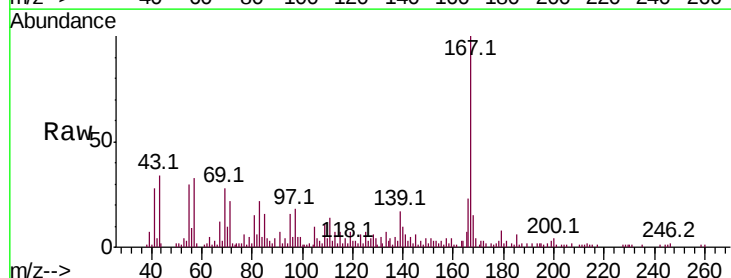
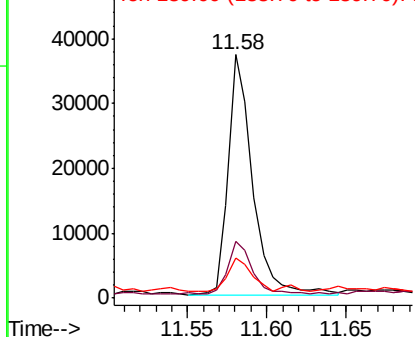
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

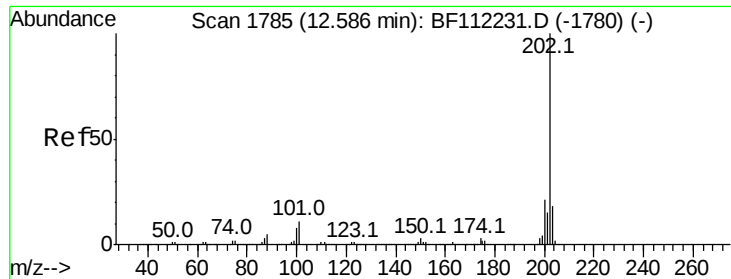


#73
 Carbazole
 Concen: 3.615 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.02 min
 Lab File: BF112678.D
 Acq: 22 Feb 2019 21:33

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.5	17.9	26.9
139	16.5	10.2	15.2

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





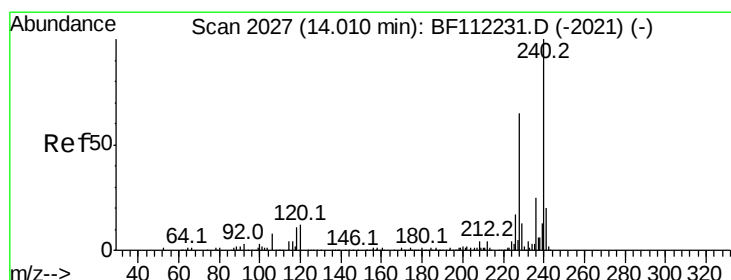
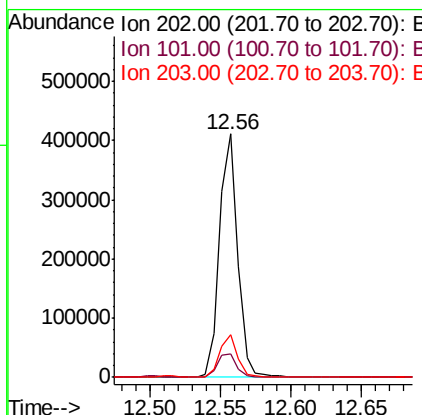
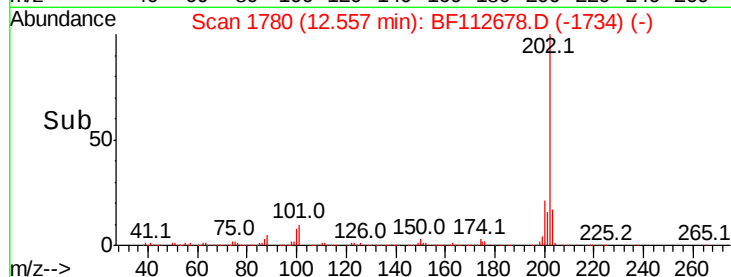
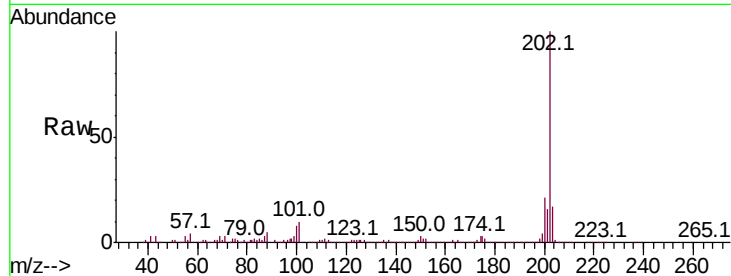
#75
 Fluoranthene
 Concen: 30.796 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. -0.03 min
 Lab File: BF112678.D
 Acq: 22 Feb 2019 21:33

Instrument :
 BNA_F
 ClientSampled :
 30019

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.9	0.0	31.8
203	17.3	0.0	38.4

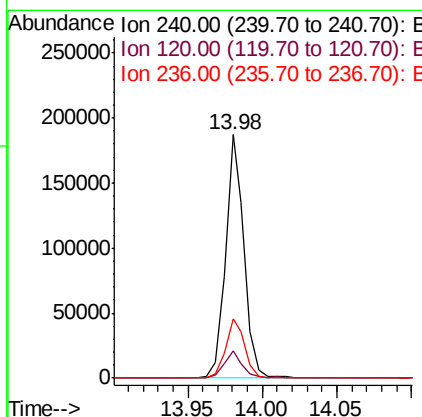
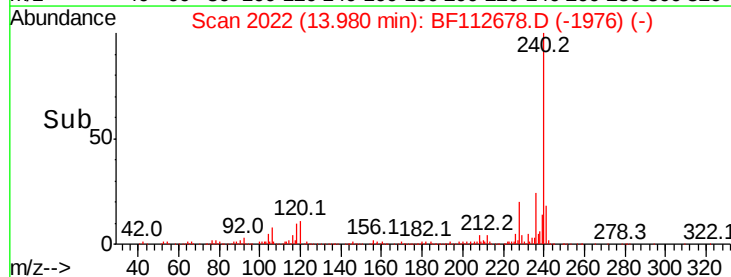
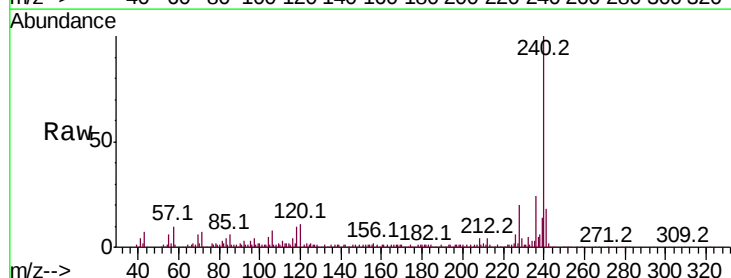
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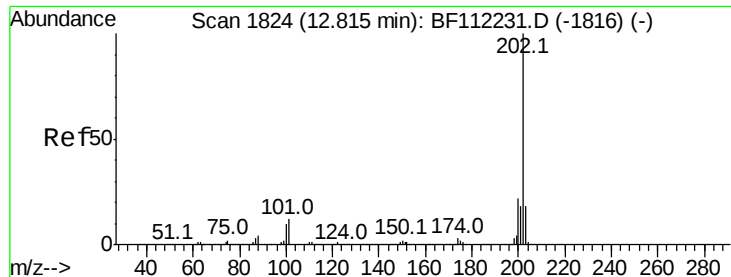
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.03 min
 Lab File: BF112678.D
 Acq: 22 Feb 2019 21:33

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.1	9.0	13.6
236	24.2	20.7	31.1





#78

Pvrene

Concen: 24.269 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.03 min

Lab File: BF112678.D

Acq: 22 Feb 2019 21:33

Instrument :

BNA_F

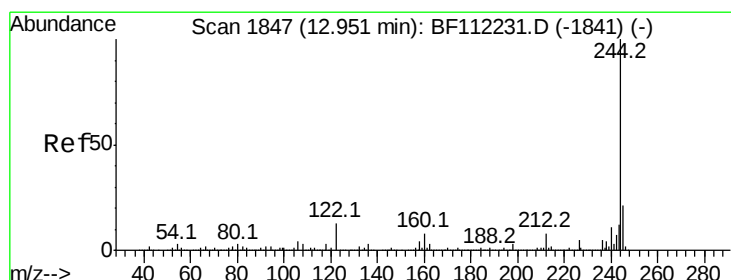
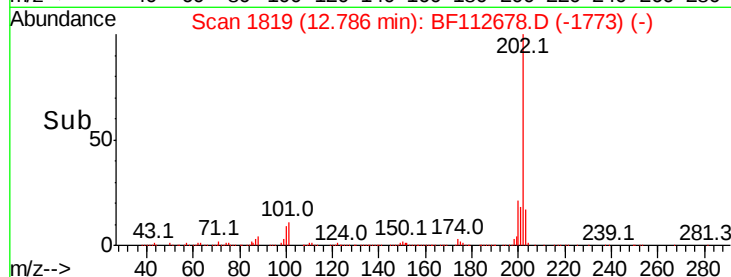
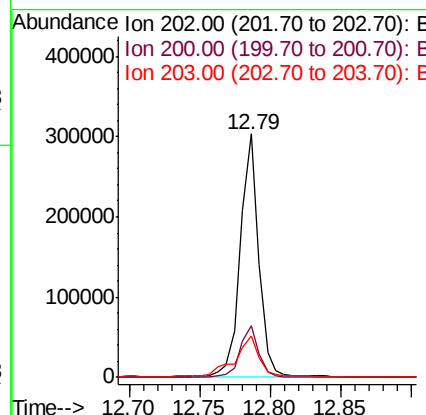
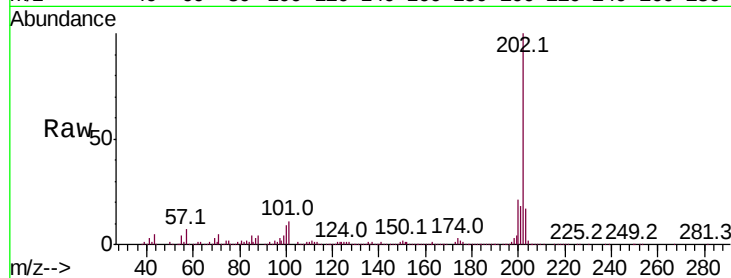
ClientSampled :

30019

Tot Ion:	202	Resp:	273791
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.7	26.5
203	17.2	14.6	22.0

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#79

Terphenyl-d14

Concen: 21.713 ng

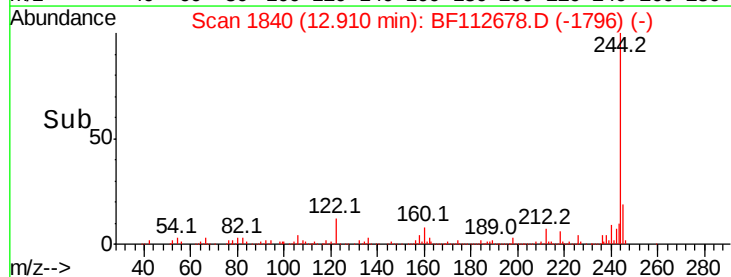
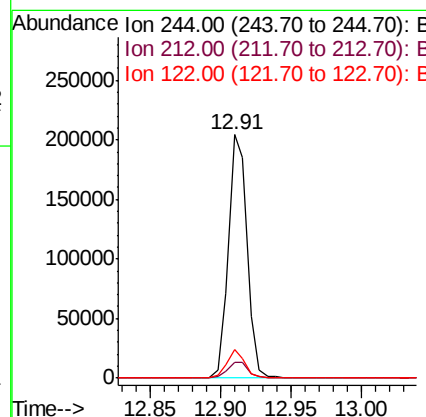
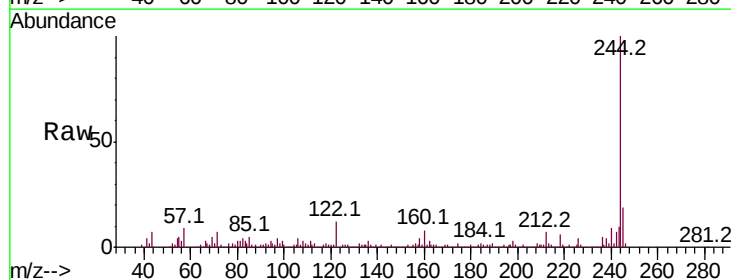
RT: 12.91 min Scan# 1840

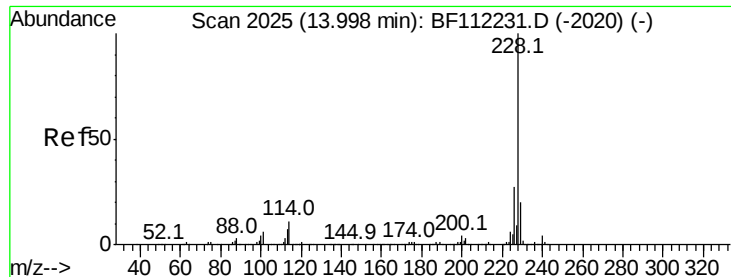
Delta R.T. -0.04 min

Lab File: BF112678.D

Acq: 22 Feb 2019 21:33

Tgt Ion:	244	Resp:	187847
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.9	8.9
122	11.7	9.8	14.6





#81

Benzo(a)anthracene

Concen: 10.100 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF112678.D

Acq: 22 Feb 2019 21:33

Instrument :

BNA_F

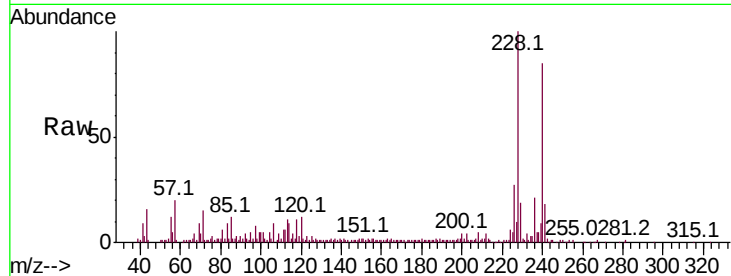
ClientSampled :

30019

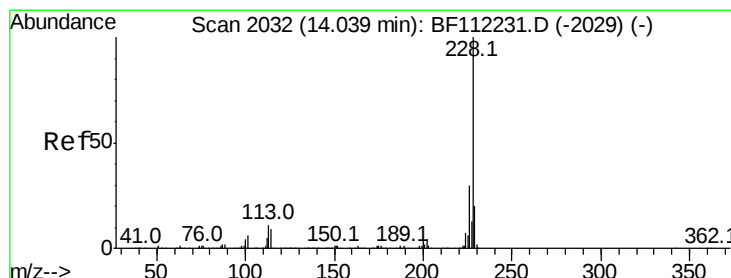
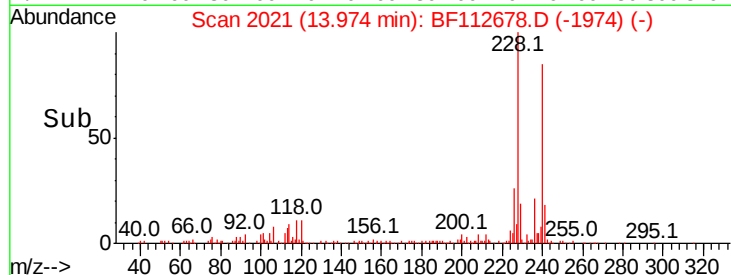
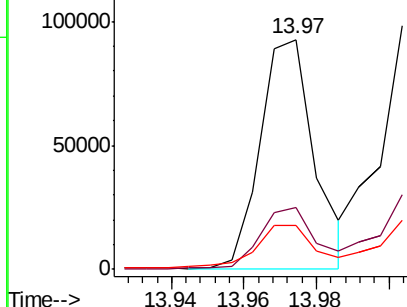
Tot Ion:228	Resp:	96747
Ion Ratio	Lower	Upper
228 100		
226 26.7	22.6	34.0
229 19.4	16.5	24.7

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 13.745 ng

RT: 14.01 min Scan# 2027

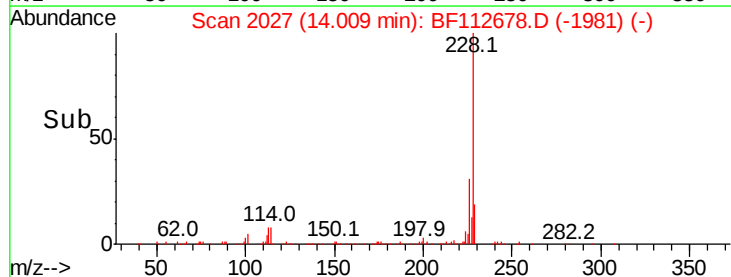
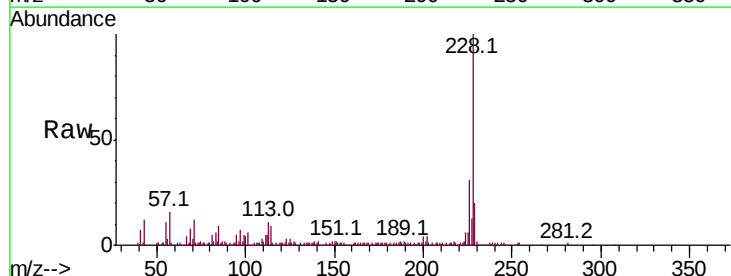
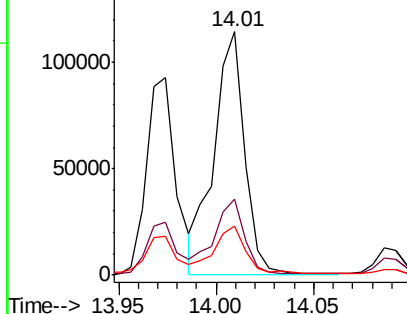
Delta R.T. -0.03 min

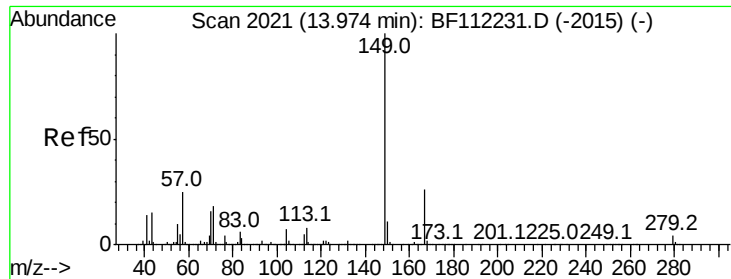
Lab File: BF112678.D

Acq: 22 Feb 2019 21:33

Tgt Ion:228	Resp:	125677
Ion Ratio	Lower	Upper
228 100		
226 31.0	25.0	37.6
229 20.2	16.6	24.8

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.723 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.04 min

Lab File: BF112678.D

Acq: 22 Feb 2019 21:33

Instrument :

BNA_F

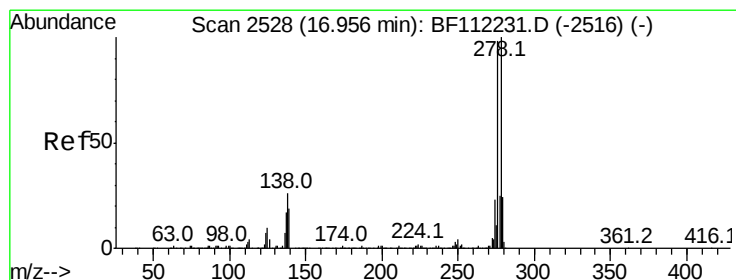
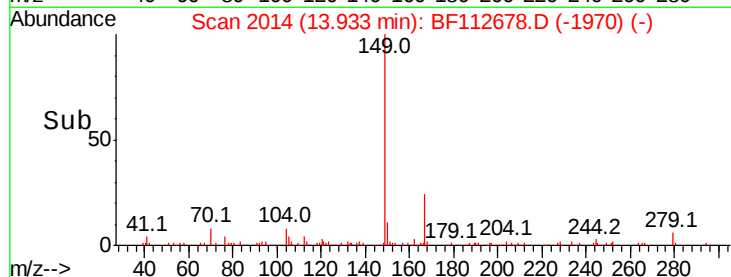
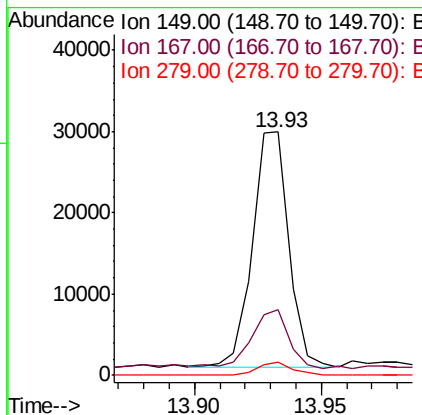
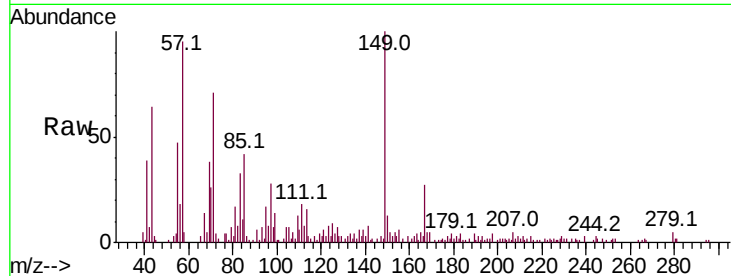
ClientSampleId :

30019

Tot Ion:	149	Resp:	28841
Ion Ratio	Lower	Upper	
149	100		
167	27.1	22.5	33.7
279	5.4	3.8	5.6

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#86

Indeno(1,2,3-cd)pyrene

Concen: 8.213 ng

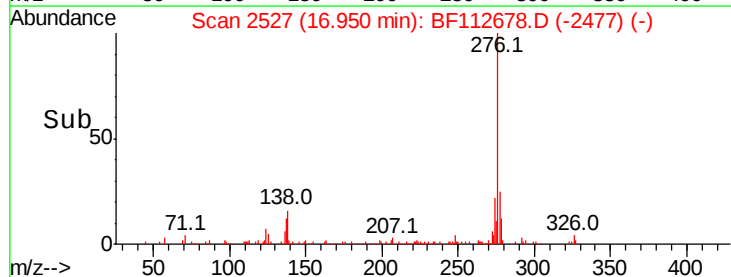
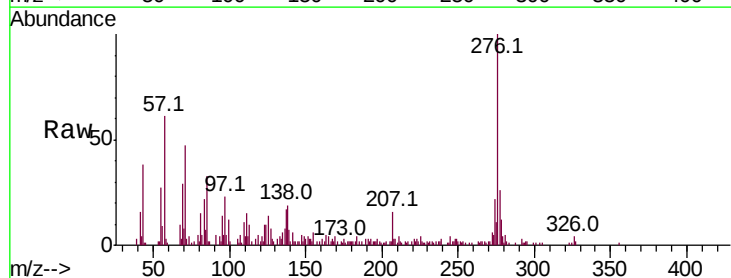
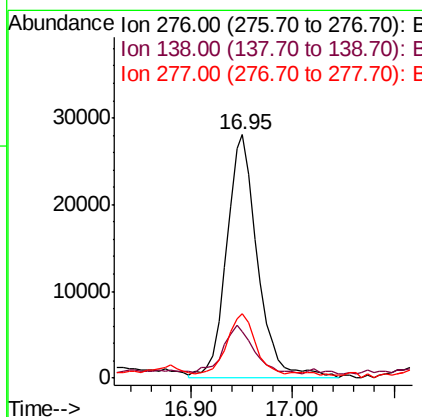
RT: 16.95 min Scan# 2527

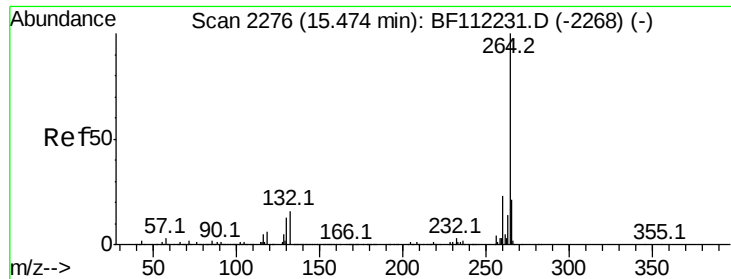
Delta R.T. -0.01 min

Lab File: BF112678.D

Acq: 22 Feb 2019 21:33

Tgt Ion:	276	Resp:	59506
Ion Ratio	Lower	Upper	
276	100		
138	19.6	22.6	34.0#
277	24.8	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.02 min

Lab File: BF112678.D

Acq: 22 Feb 2019 21:33

Instrument :

BNA_F

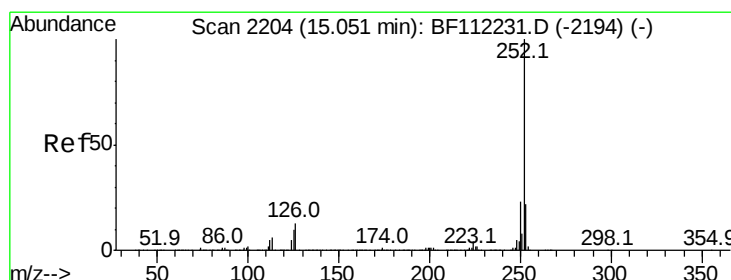
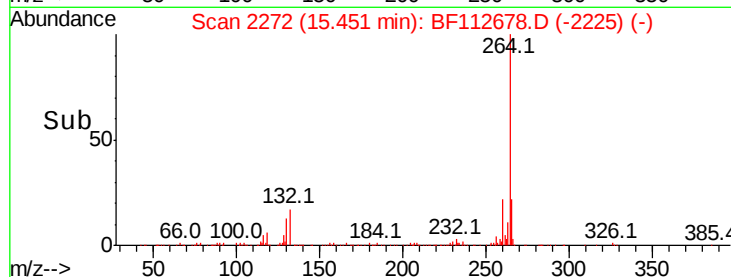
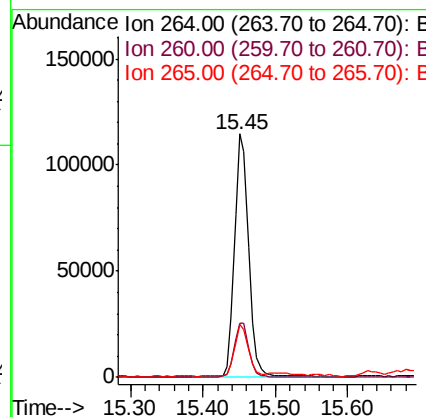
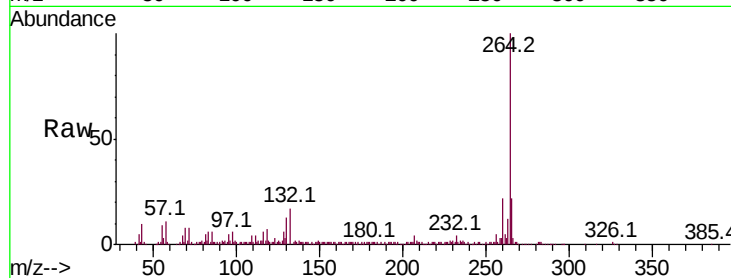
ClientSampled :

30019

Tot Ion:	264	Resp:	157200
Ion Ratio	Lower	Upper	
264	100		
260	22.4	18.2	27.2
265	21.9	17.0	25.4

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#88

Benzo(b)fluoranthene

Concen: 17.228 ng m

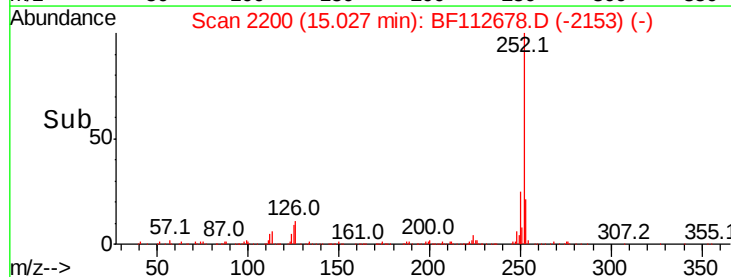
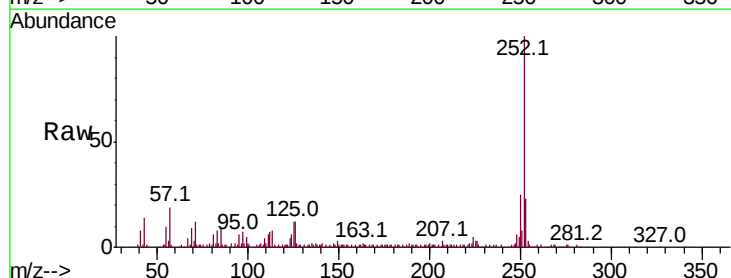
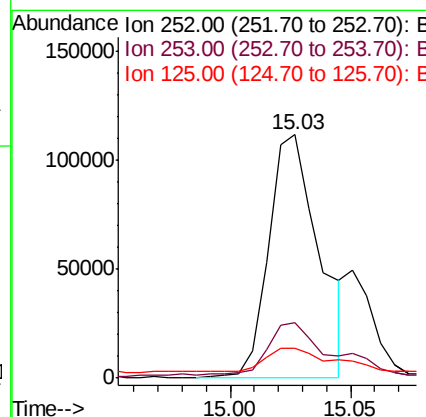
RT: 15.03 min Scan# 2200

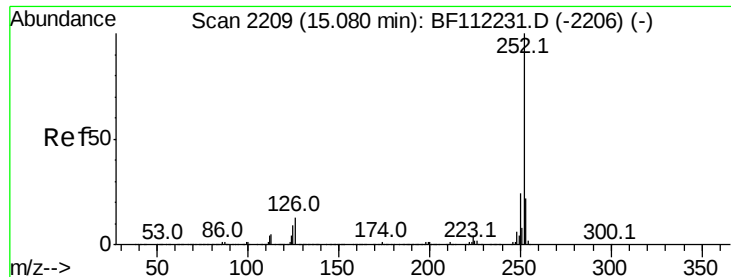
Delta R.T. -0.02 min

Lab File: BF112678.D

Acq: 22 Feb 2019 21:33

Tgt Ion:	252	Resp:	161967
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.0	27.0
125	12.2	8.7	13.1





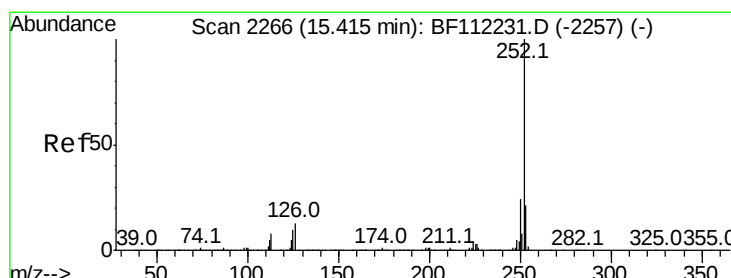
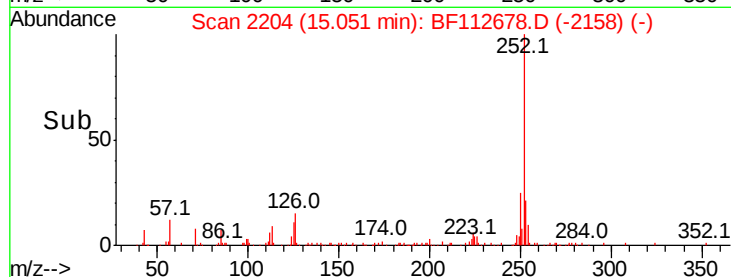
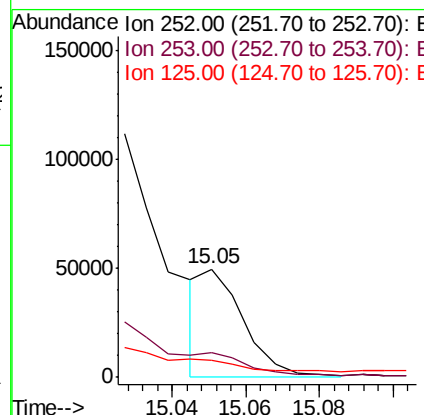
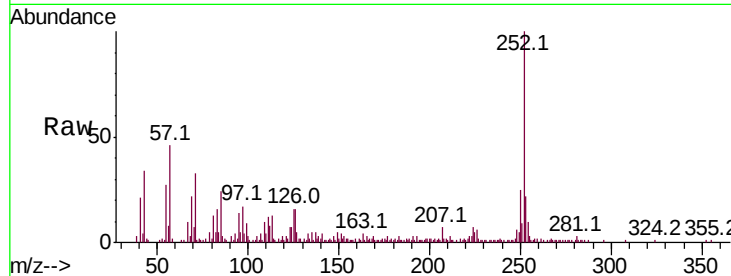
#89
Benzo(k)fluoranthene
Concen: 4.474 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Instrument :
BNA_F
ClientSampled :
30019

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	16.3	9.1	13.7

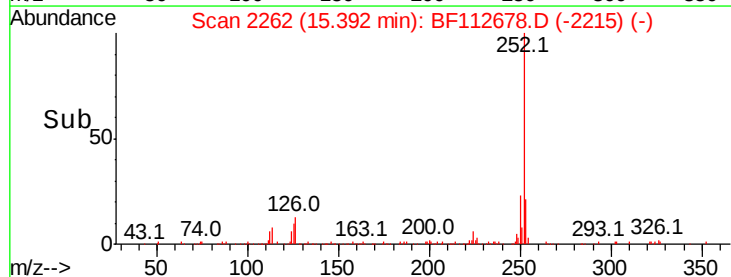
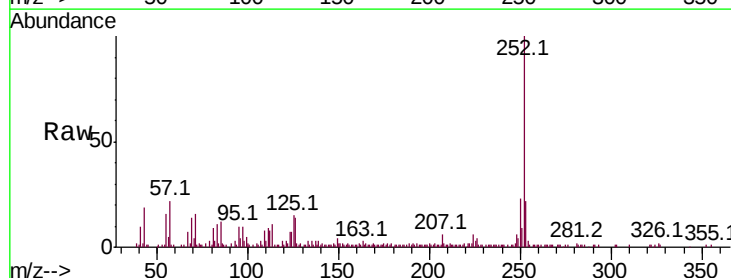
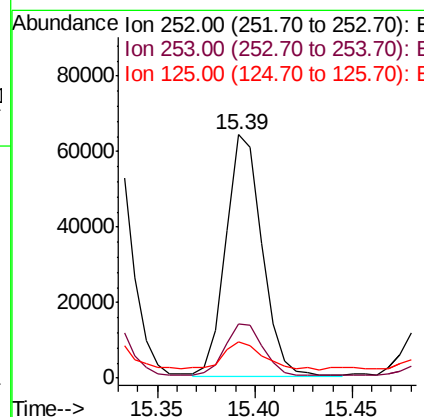
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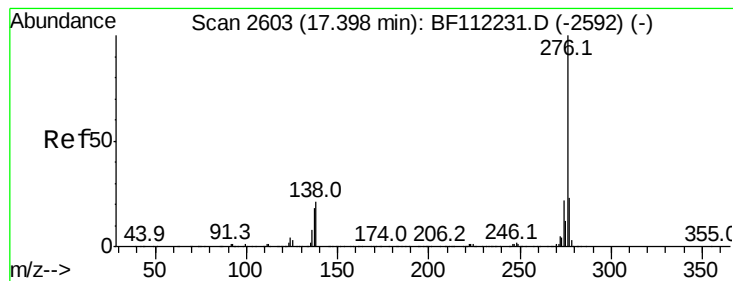
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#90
Benzo(a)pyrene
Concen: 9.775 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.02 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	14.9	9.0	13.4





#92

Benzo(a,h,i)perylene

Concen: 8.358 ng

RT: 17.40 min Scan# 2604

Delta R.T. 0.01 min

Lab File: BF112678.D

Acq: 22 Feb 2019 21:33

Instrument :

BNA_F

ClientSampleId :

30019

Tot Ion:	276	Resp:	53760
Ion Ratio	Lower	Upper	
276	100		
277	28.1	19.4	29.0
138	21.5	19.1	28.7

Manual Integrations
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