

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
 Data File : BF113894.D
 Acq On : 22 Apr 2019 22:43
 Operator : JU/SJ
 Sample : K2199-13 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-041819-A

Manual Integrations
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 4/23/2019 4:08:03 PM

Quant Time: Apr 23 05:25:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	199306	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	723064	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	338729	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	604066	20.00	ng	0.00
76) Chrysene-d12	14.06	240	573503	20.00	ng	-0.01
87) Perylene-d12	15.54	264	573143	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	515934	44.28	ng	0.00
7) Phenol-d6	6.52	99	661446	45.24	ng	0.00
23) Nitrobenzene-d5	7.45	82	383707	32.77	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	174945	42.40	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	716451	33.08	ng	0.00
79) Terphenyl-d14	13.00	244	754761	26.98	ng	0.00

Target Compounds				Qvalue		
37) 2-Methylnaphthalene	8.89	142	49110	2.120	ng	98
38) 1-Methylnaphthalene	8.99	142	49131	2.198	ng	96
49) Acenaphthylene	9.79	152	77220	2.344	ng	99
50) Dimethylphthalate	9.64	163	67074	2.738	ng	98
52) Acenaphthene	9.96	154	93670	4.811	ng	98
55) Dibenzofuran	10.13	168	112086	3.843	ng	98
58) Fluorene	10.47	166	166142	7.567	ng	99
71) Phenanthrene	11.44	178	1021001	33.632	ng	99
72) Anthracene	11.49	178	339875	11.087	ng	98
73) Carbazole	11.64	167	60183	2.200	ng	99
75) Fluoranthene	12.63	202	1547408	46.720	ng	98
78) Pyrene	12.86	202	1461364	36.438	ng	99
81) Benzo(a)anthracene	14.04	228	757748	22.425	ng	96
83) Chrysene	14.08	228	623160	18.936	ng	97
86) Indeno(1,2,3-cd)pyrene	17.03	276	268112m	8.601	ng	
88) Benzo(b)fluoranthene	15.11	252	781157m	21.542	ng	
89) Benzo(k)fluoranthene	15.13	252	205278m	6.581	ng	
90) Benzo(a)pyrene	15.48	252	554610	17.682	ng	98
91) Dibenzo(a,h)anthracene	17.04	278	67102	2.279	ng	# 86
92) Benzo(g,h,i)perylene	17.47	276	254214	8.556	ng	97

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

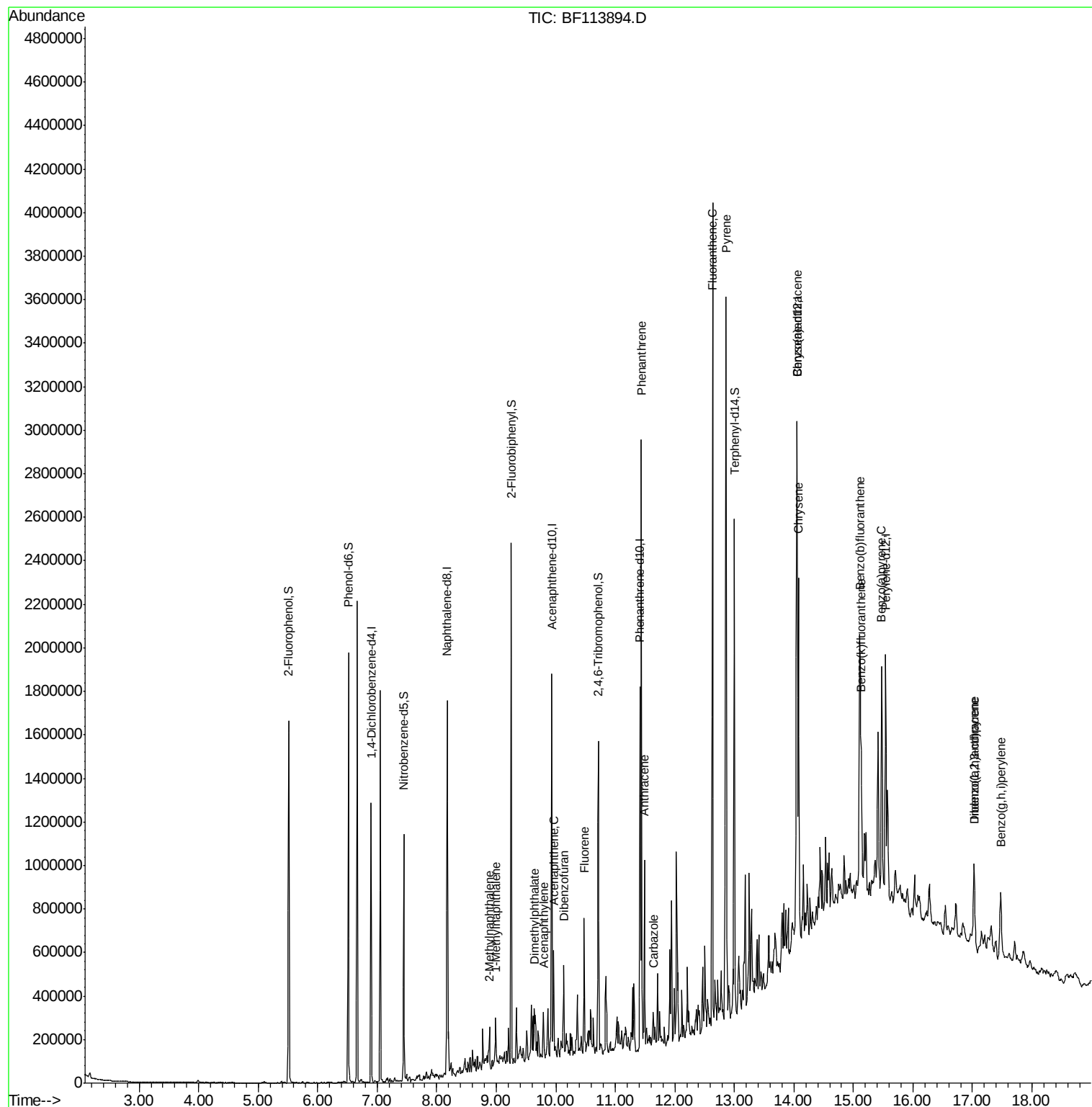
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
Data File : BF113894.D
Acq On : 22 Apr 2019 22:43
Operator : JU/SJ
Sample : K2199-13 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

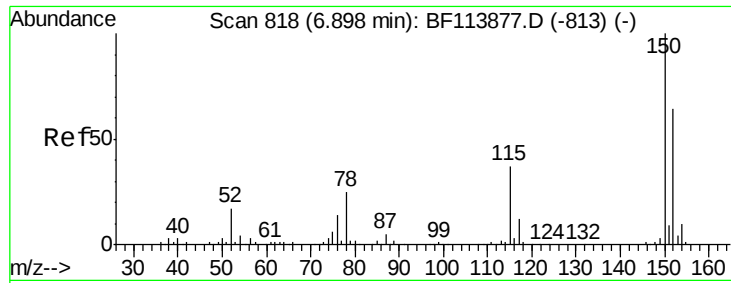
Instrument :
BNA_F
ClientSampled :
OR-03-041819-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

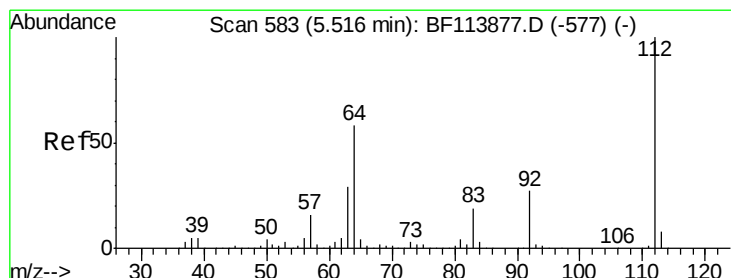
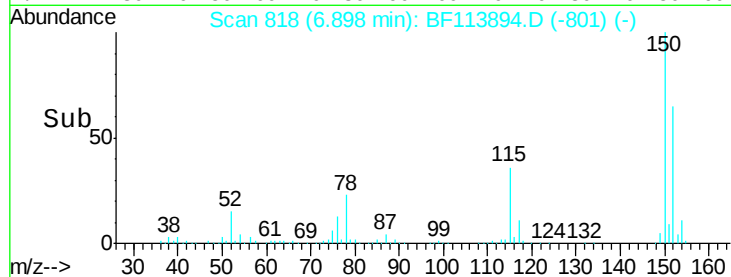
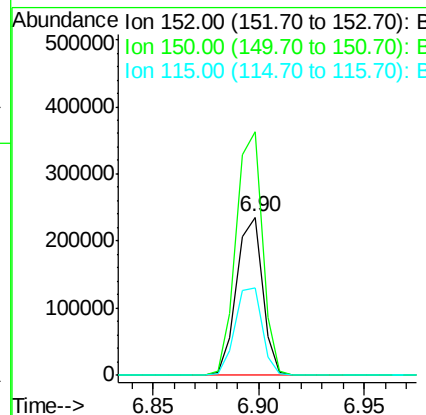
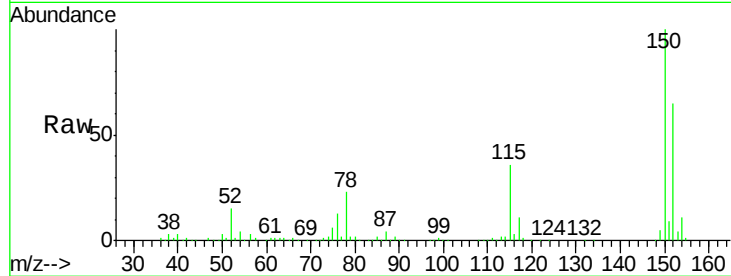
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113894.D
Acq: 22 Apr 2019 22:43

Instrument :
BNA_F
ClientSampleId :
OR-03-041819-A

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	199306		
150	154.1	125.9	188.9	
115	55.2	45.9	68.9	

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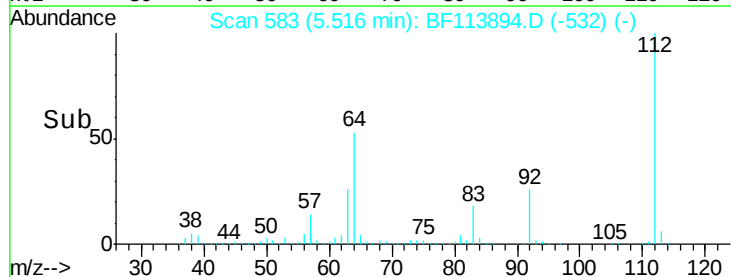
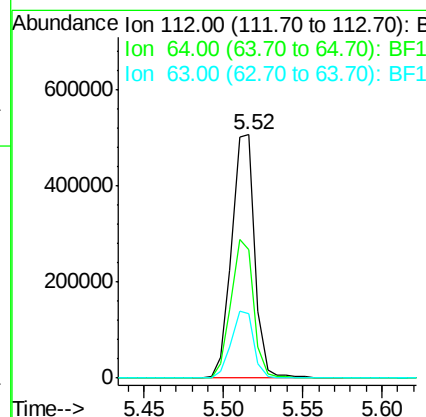
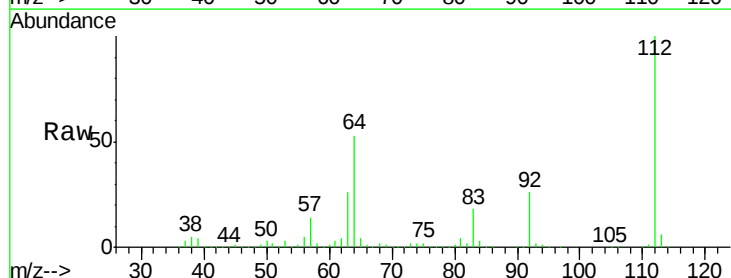
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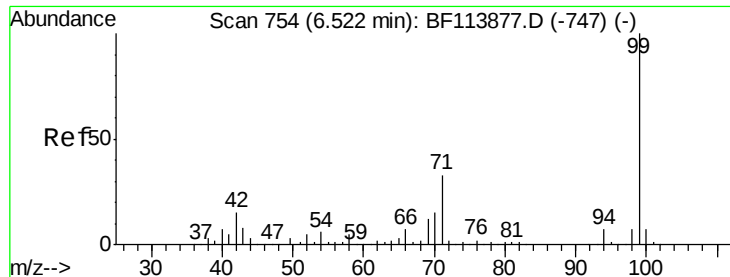


#5

2-Fluorophenol
Concen: 44.275 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF113894.D
Acq: 22 Apr 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	515934		
64	52.8	46.6	69.8	
63	26.4	23.1	34.7	





#7

Phenol-d6

Concen: 45.243 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF113894.D

Acq: 22 Apr 2019 22:43

Instrument :

BNA_F

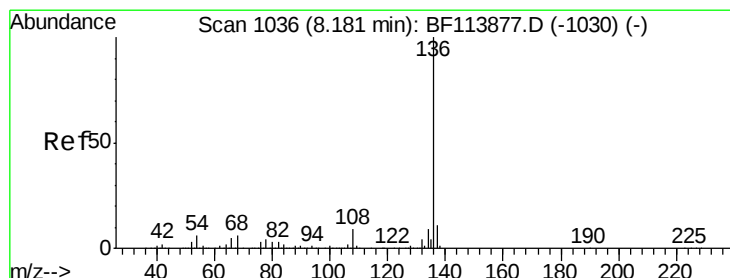
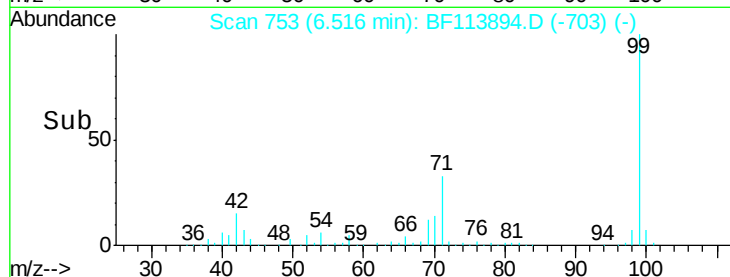
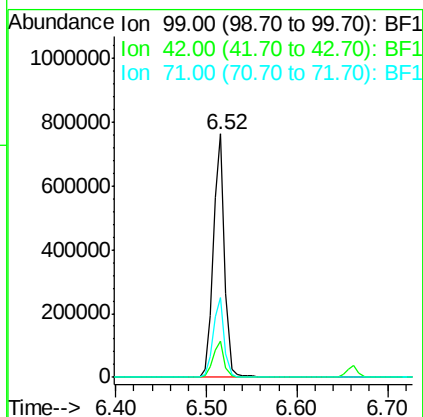
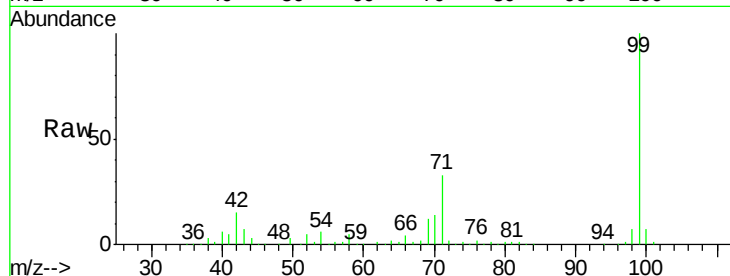
ClientSampleId :

OR-03-041819-A

Tgt Ion	Ion	Ratio	Lower	Upper
99	100			
42	14.6	12.5	18.7	
71	33.0	26.9	40.3	

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#21

Naphthalene-d8

Concen: 20.000 ng

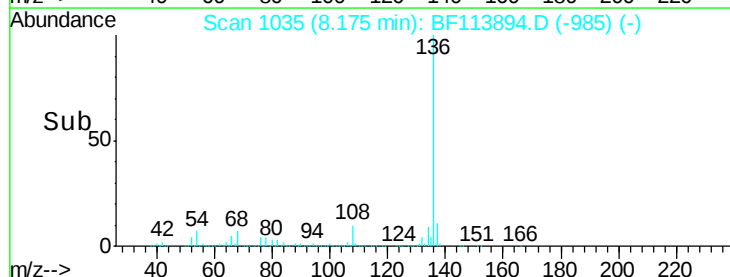
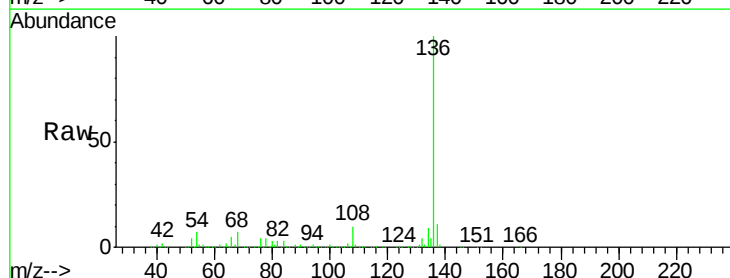
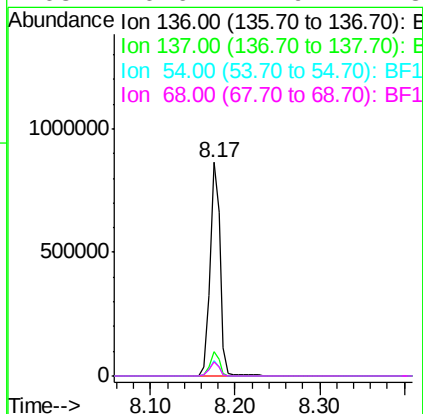
RT: 8.17 min Scan# 1035

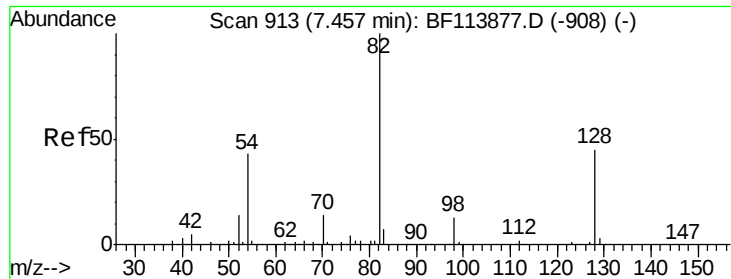
Delta R.T. -0.01 min

Lab File: BF113894.D

Acq: 22 Apr 2019 22:43

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	11.4	8.6	12.8	
54	6.9	5.0	7.6	
68	6.6	4.9	7.3	





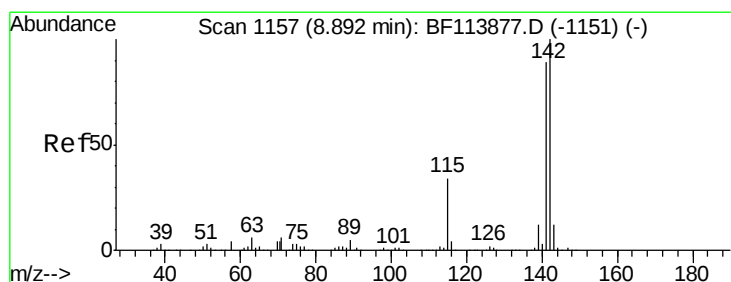
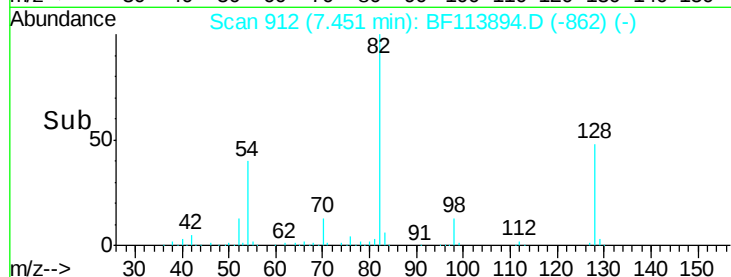
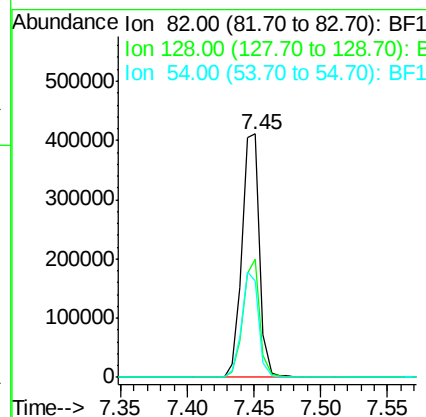
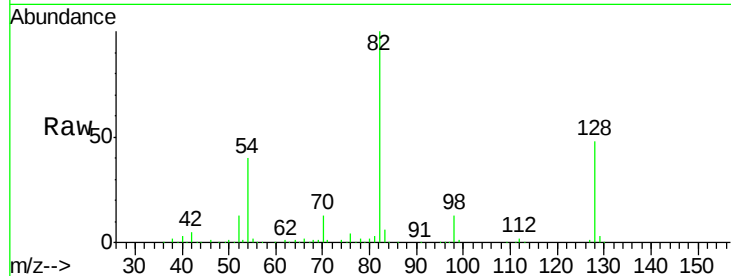
#23
 Nitrobenzene-d5
 Concen: 32.766 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF113894.D
 Acq: 22 Apr 2019 22:43

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-041819-A

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	383707		
128	48.4	36.8	55.2	
54	39.5	33.8	50.6	

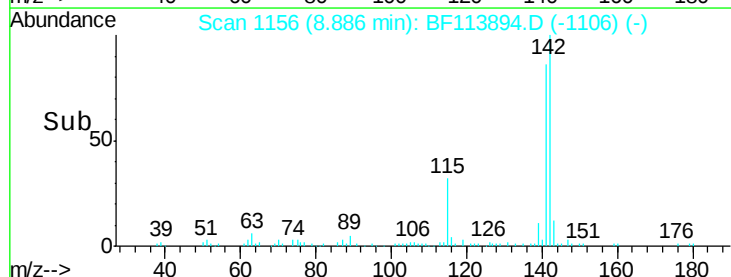
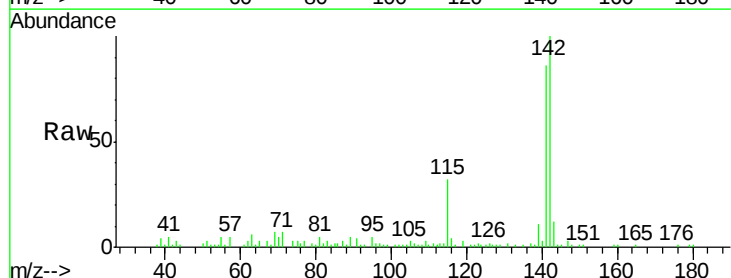
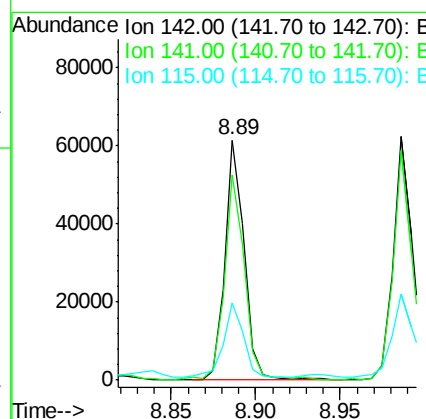
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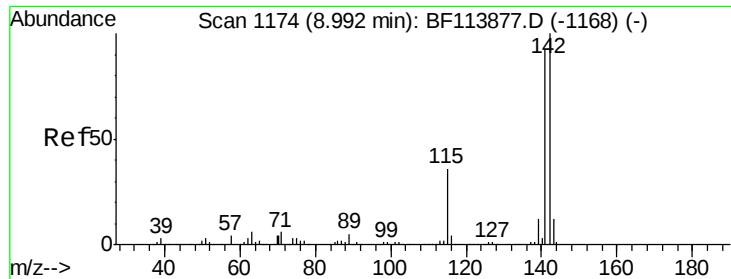
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#37
 2-Methylnaphthalene
 Concen: 2.120 ng
 RT: 8.89 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: BF113894.D
 Acq: 22 Apr 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	49110		
141	85.6	70.4	105.6	
115	32.4	26.3	39.5	





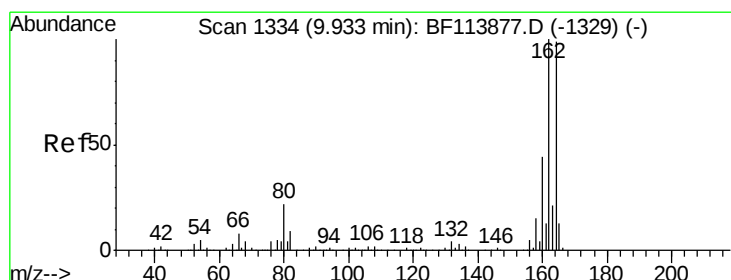
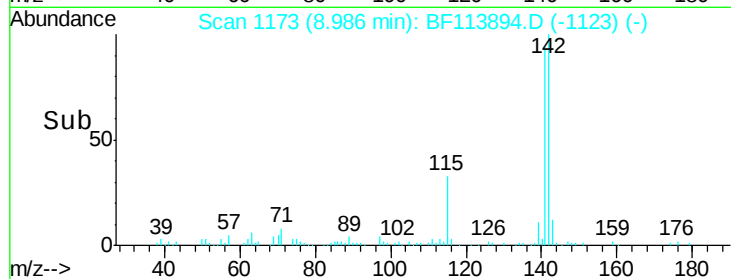
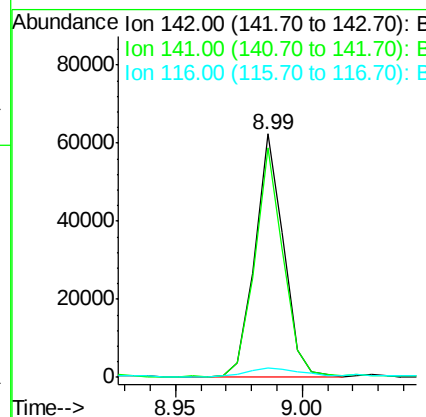
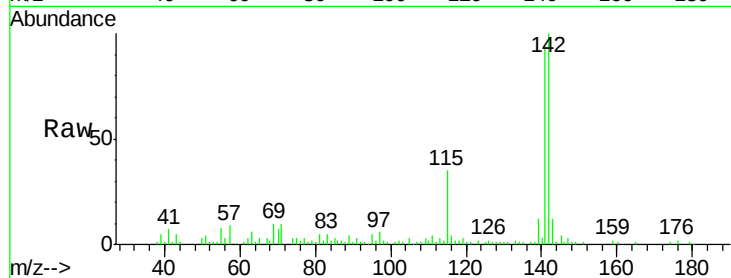
#38
 1-Methylnaphthalene
 Concen: 2.198 ng
 RT: 8.99 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF113894.D
 Acq: 22 Apr 2019 22:43

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-041819-A

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	49131		
141	94.5	72.3	108.5	
116	3.8	3.0	4.4	

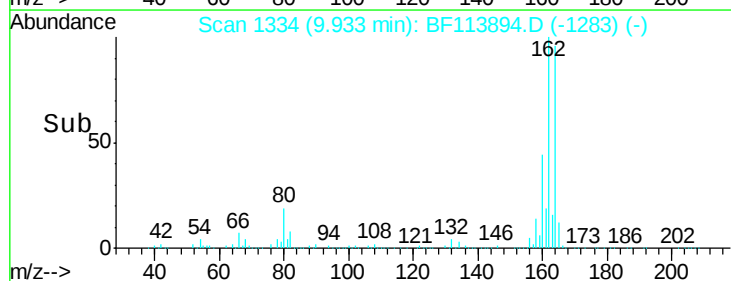
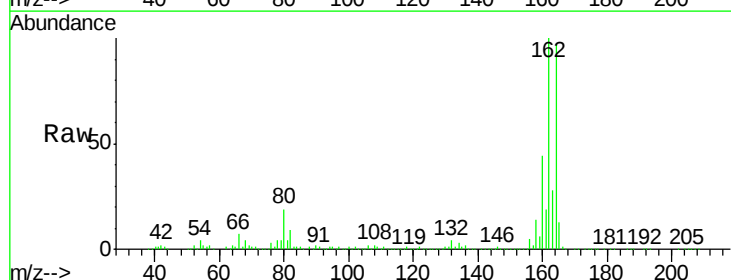
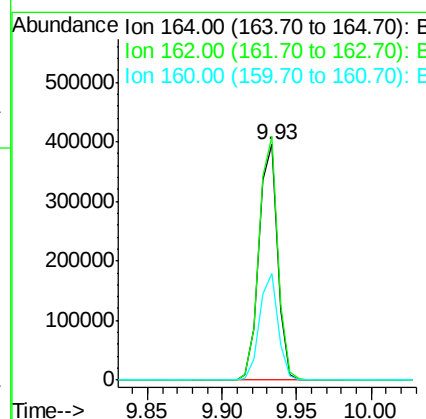
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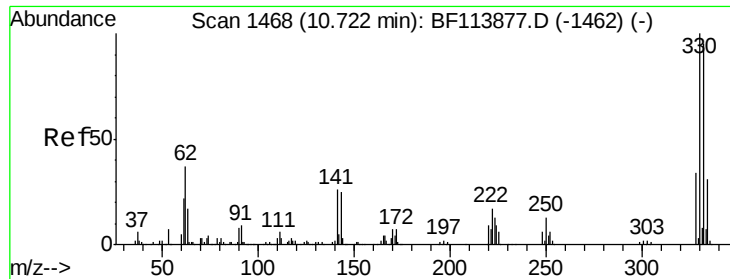
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF113894.D
 Acq: 22 Apr 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	338729		
162	103.4	81.1	121.7	
160	45.4	35.8	53.6	





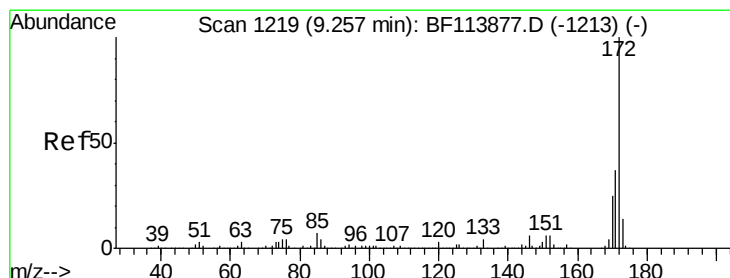
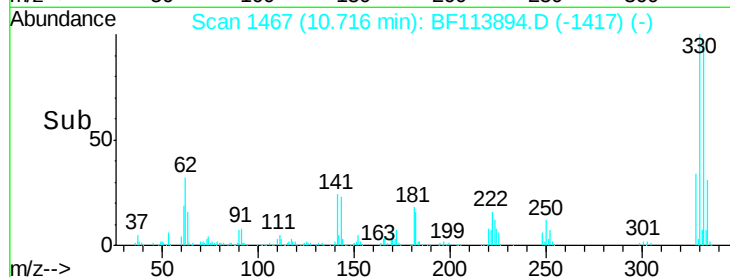
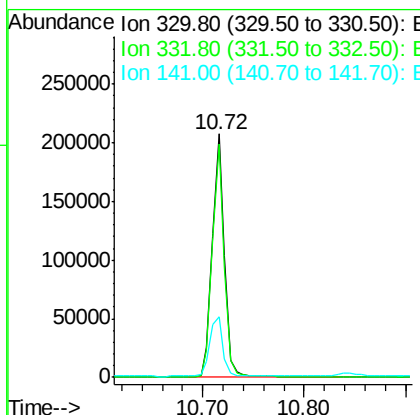
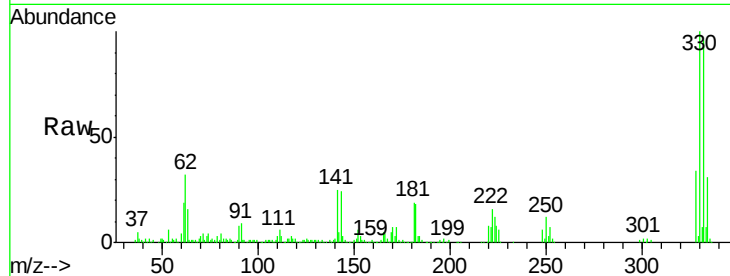
#42
 2,4,6-Tribromophenol
 Concen: 42.396 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF113894.D
 Acq: 22 Apr 2019 22:43

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-041819-A

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	174945		
332	94.2	77.5	116.3	
141	25.7	22.2	33.2	

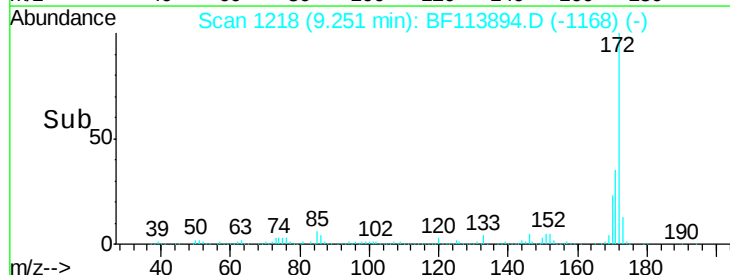
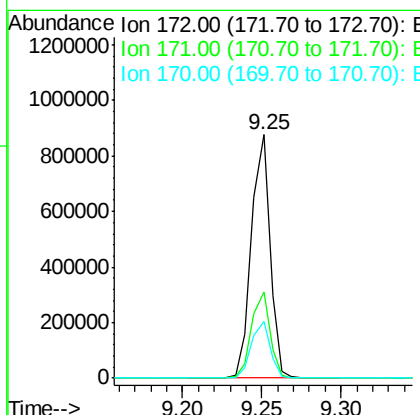
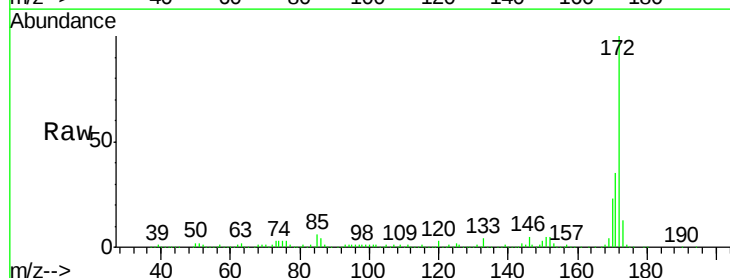
Manual Integrations
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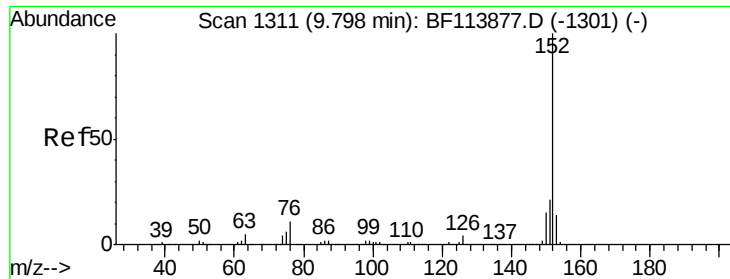
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#45
 2-Fluorobiphenyl
 Concen: 33.081 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF113894.D
 Acq: 22 Apr 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	716451		
171	35.2	29.4	44.0	
170	23.3	19.9	29.9	





#49

Acenaphthylene

Concen: 2.344 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF113894.D

Acq: 22 Apr 2019 22:43

Instrument :

BNA_F

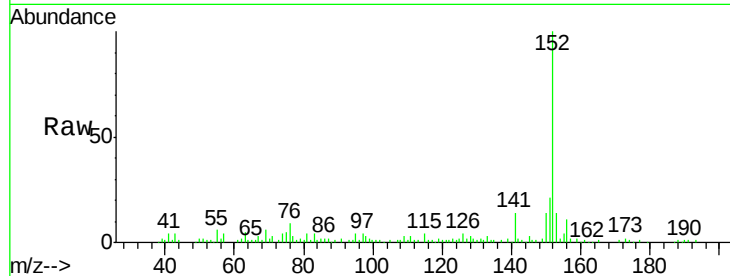
ClientSampleId :

OR-03-041819-A

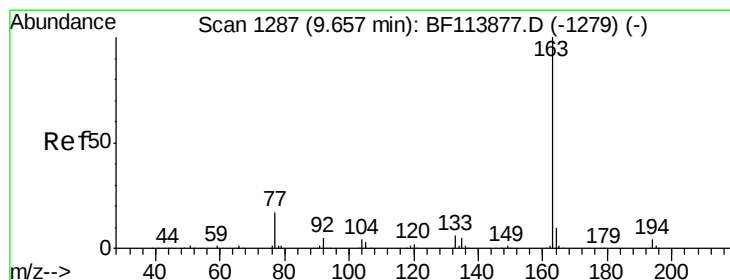
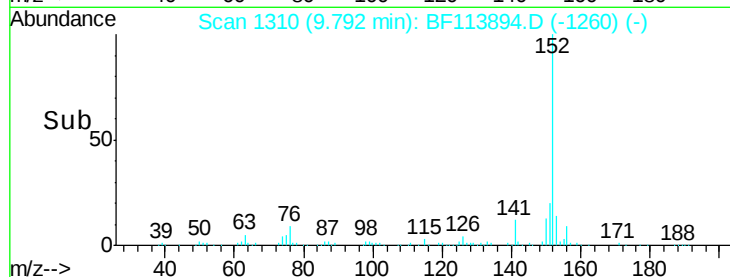
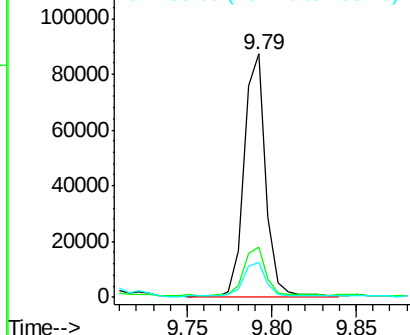
Tgt Ion:	152	Resp:	77220
Ion Ratio	Lower	Upper	
152	100		
151	20.9	17.0	25.4
153	14.3	11.0	16.6

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 2.738 ng

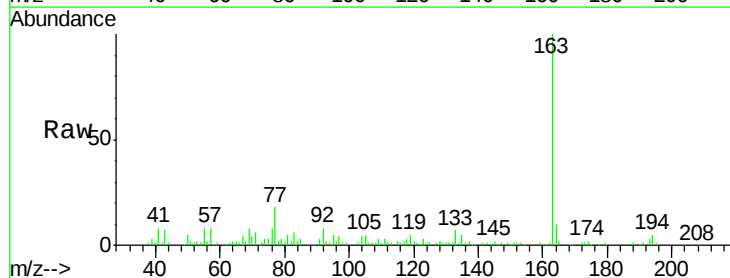
RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

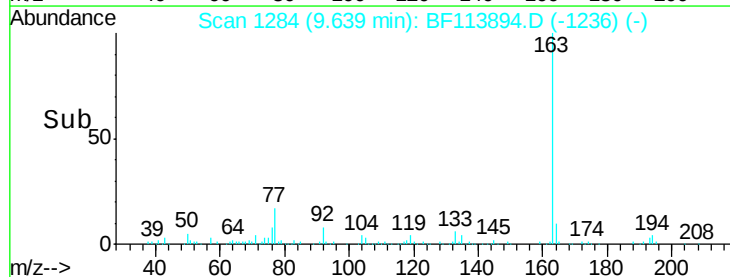
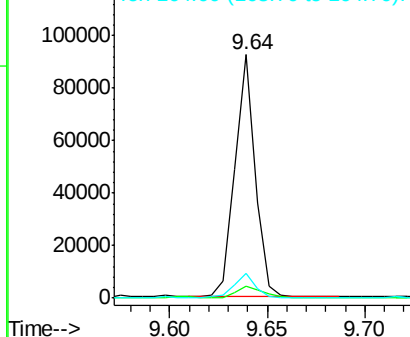
Lab File: BF113894.D

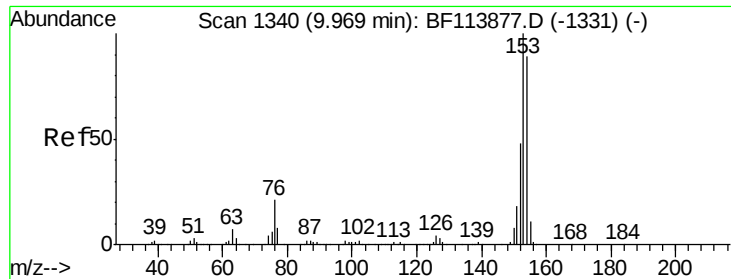
Acq: 22 Apr 2019 22:43

Tgt Ion:	163	Resp:	67074
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.4	5.2
164	9.9	8.5	12.7



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





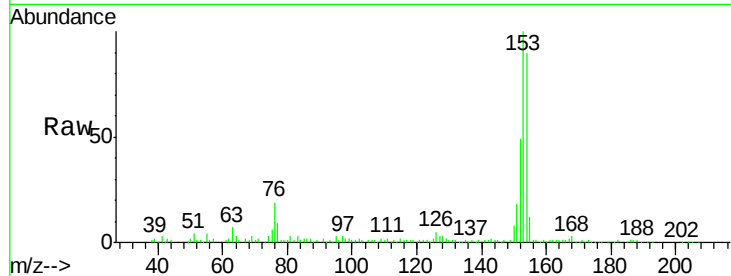
#52
Acenaphthene
Concen: 4.811 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF113894.D
Acq: 22 Apr 2019 22:43

Instrument :
BNA_F
ClientSampleId :
OR-03-041819-A

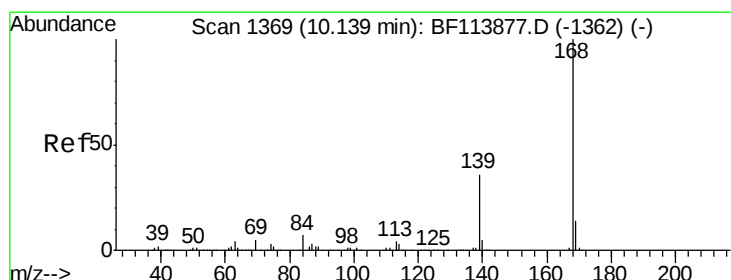
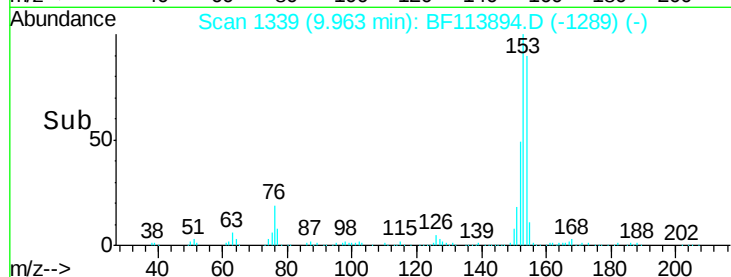
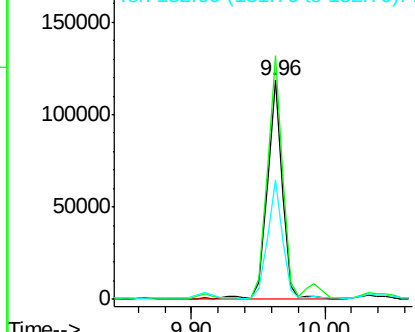
Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.3	87.2	130.8
152	54.4	42.3	63.5

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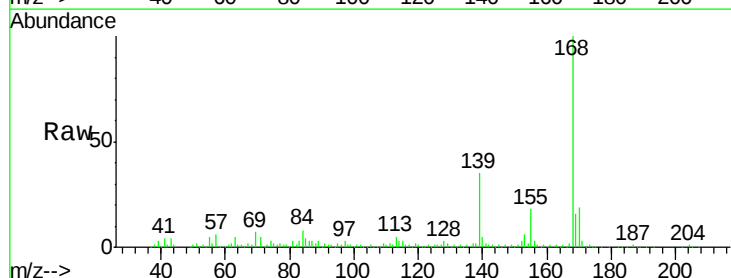


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

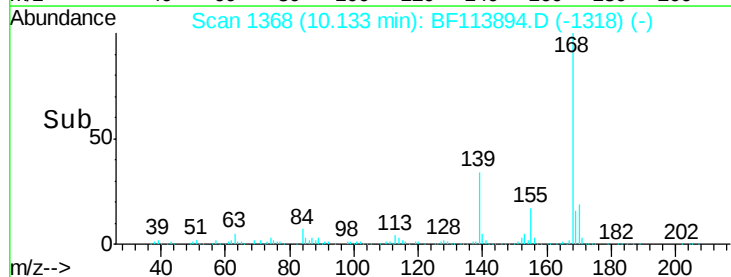
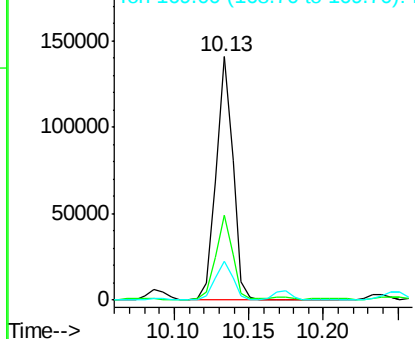


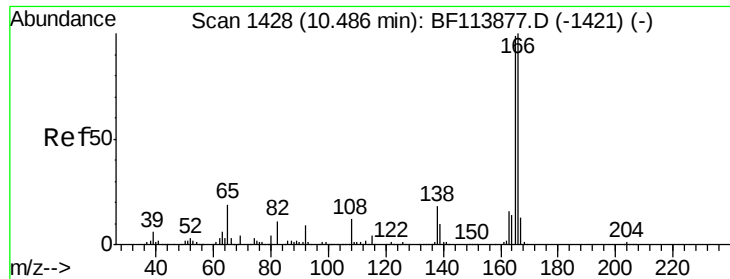
#55
Dibenzofuran
Concen: 3.843 ng
RT: 10.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BF113894.D
Acq: 22 Apr 2019 22:43

Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.6	27.8	41.6
169	16.1	11.0	16.6



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: 7.567 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF113894.D

Acq: 22 Apr 2019 22:43

Instrument :

BNA_F

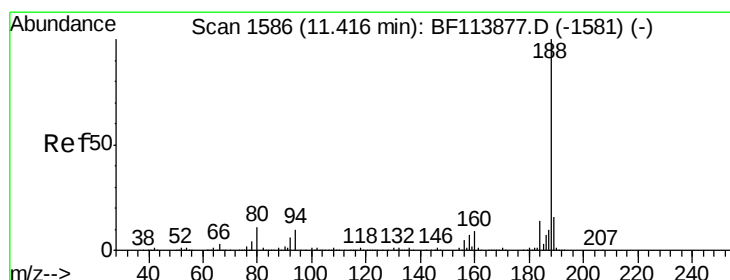
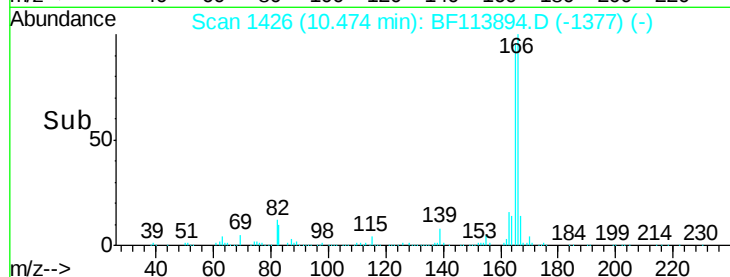
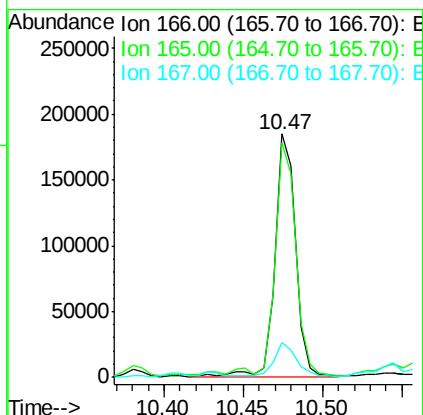
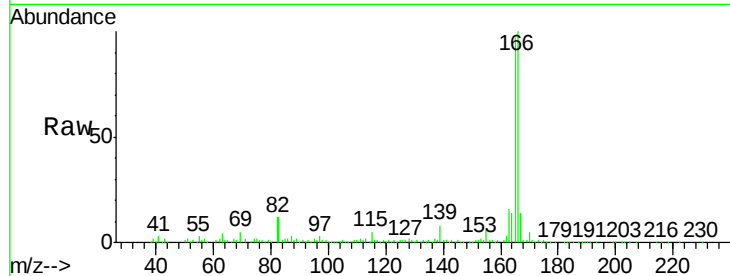
ClientSampleId :

OR-03-041819-A

Tgt Ion:	166	Resp:	166142
Ion Ratio	Lower	Upper	
166	100		
165	96.6	78.4	117.6
167	14.3	10.9	16.3

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#64

Phenanthrene-d10

Concen: 20.000 ng

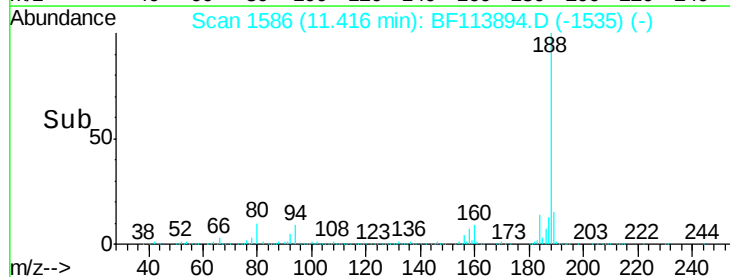
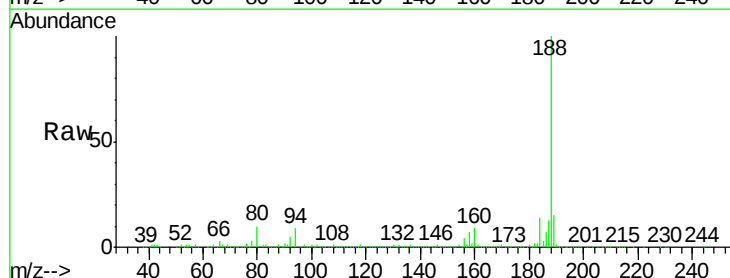
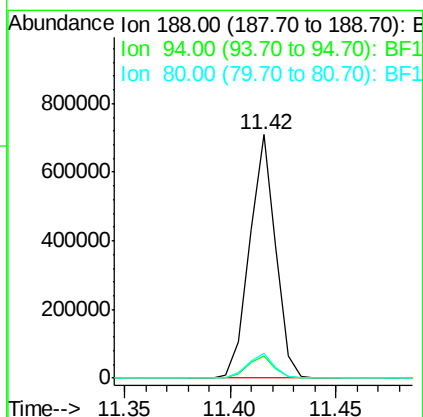
RT: 11.42 min Scan# 1586

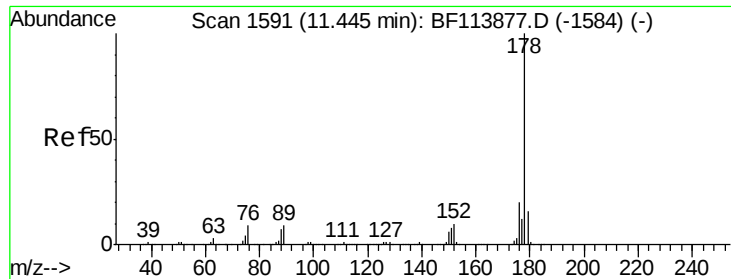
Delta R.T. -0.00 min

Lab File: BF113894.D

Acq: 22 Apr 2019 22:43

Tgt Ion:	188	Resp:	604066
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.2	12.4
80	10.0	9.0	13.6





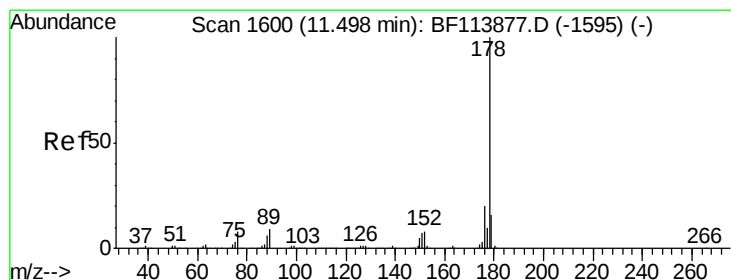
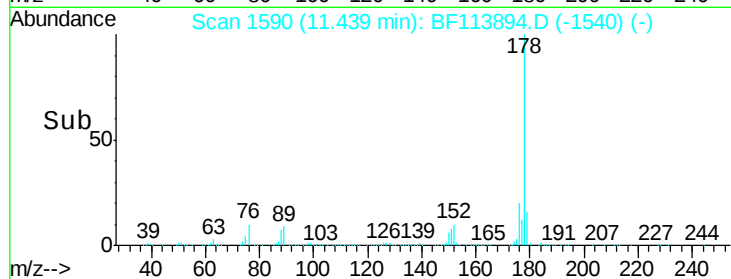
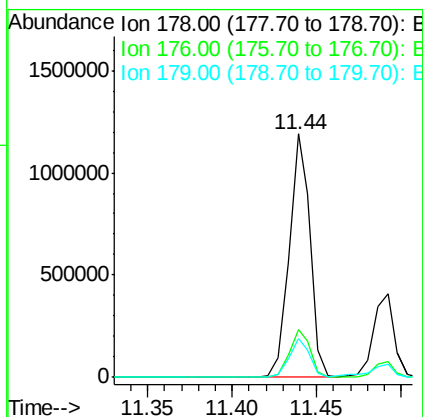
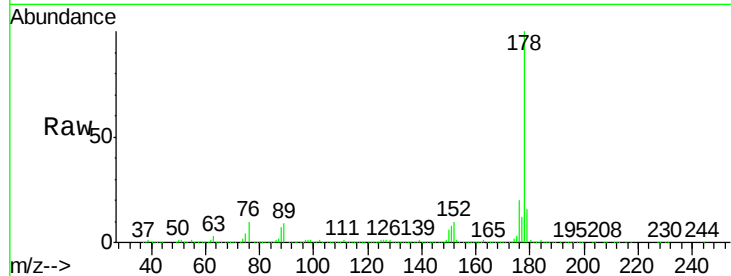
#71
Phenanthrene
Concen: 33.632 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF113894.D
Acq: 22 Apr 2019 22:43

Instrument :
BNA_F
ClientSampleId :
OR-03-041819-A

Tgt Ion:178 Resp: 1021001
Ion Ratio Lower Upper
178 100
176 19.6 16.1 24.1
179 16.0 12.8 19.2

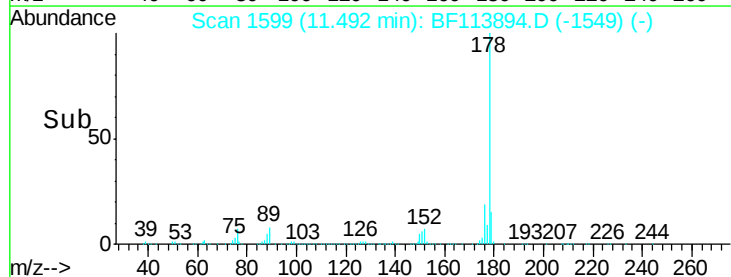
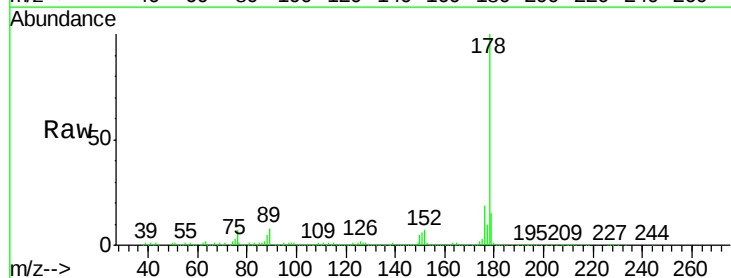
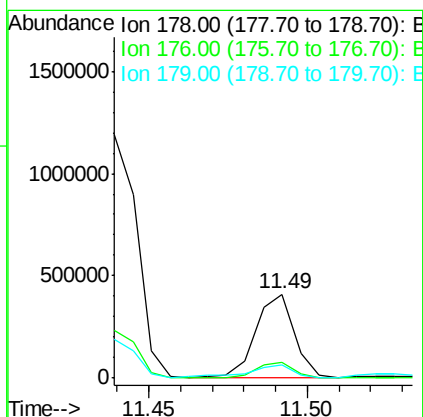
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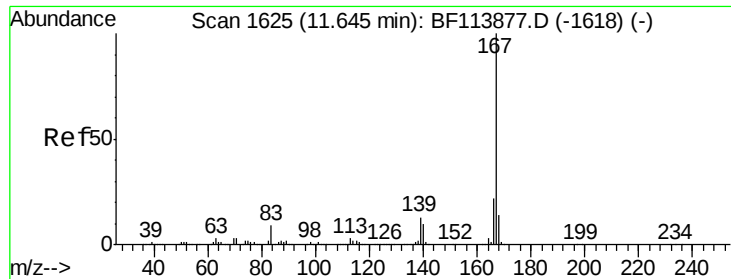
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#72
Anthracene
Concen: 11.087 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF113894.D
Acq: 22 Apr 2019 22:43

Tgt Ion:178 Resp: 339875
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 15.4 13.0 19.4





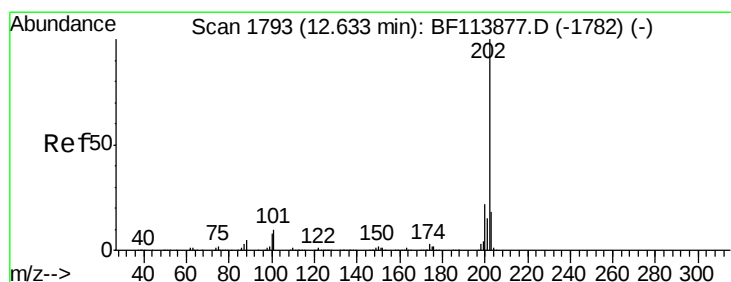
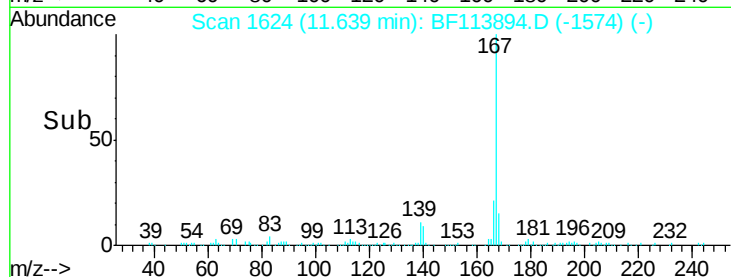
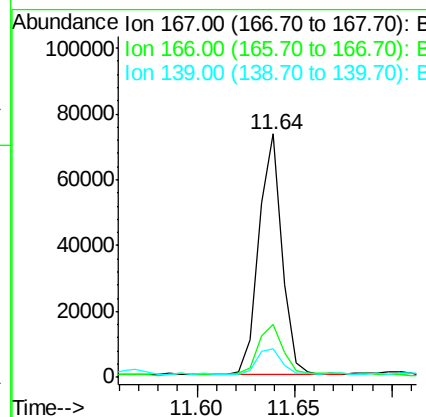
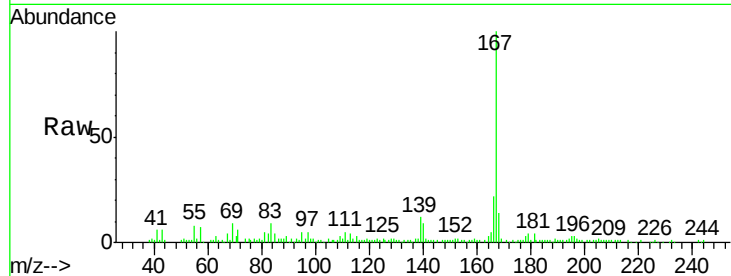
#73
 Carbazole
 Concen: 2.200 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BF113894.D
 Acq: 22 Apr 2019 22:43

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-041819-A

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.7	26.5
139	11.7	10.0	15.0

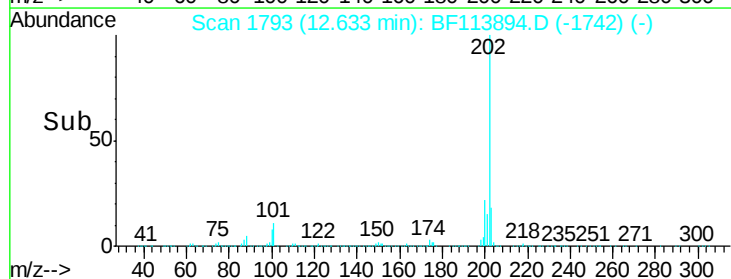
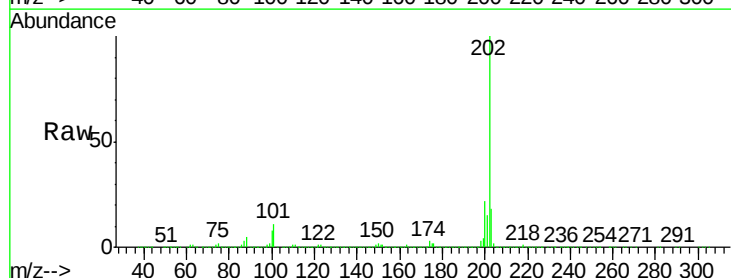
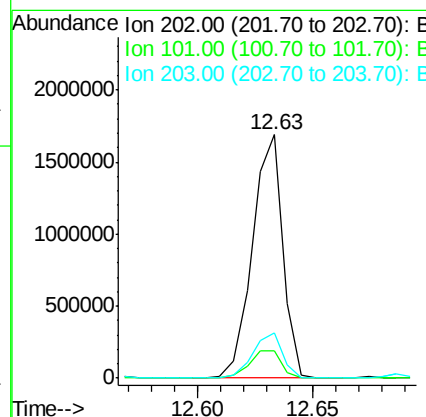
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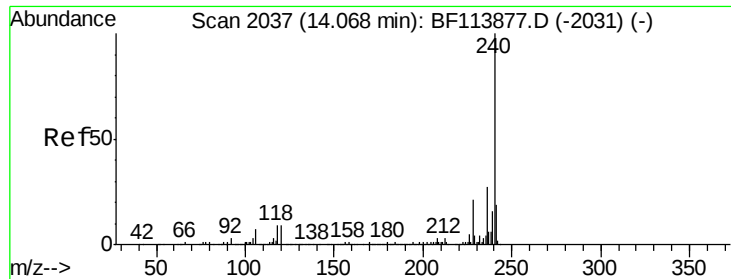
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#75
 Fluoranthene
 Concen: 46.720 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: BF113894.D
 Acq: 22 Apr 2019 22:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	32.9
203	18.4	0.0	38.2





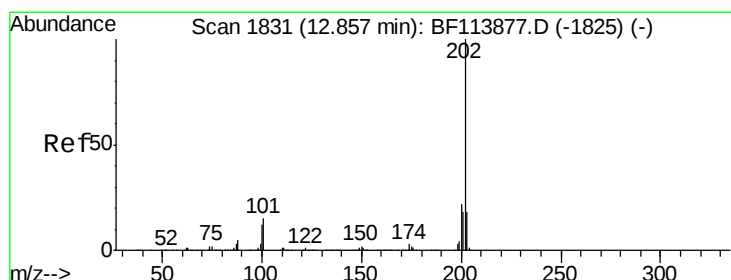
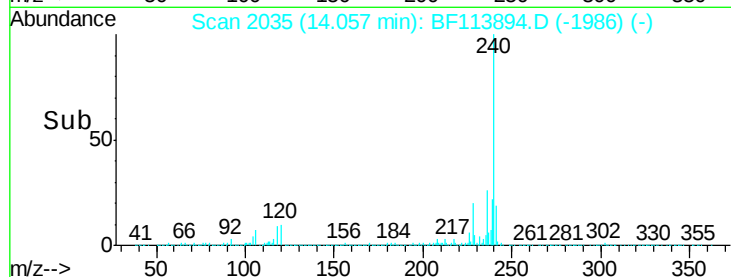
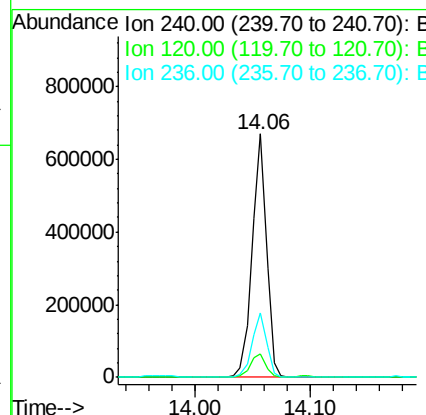
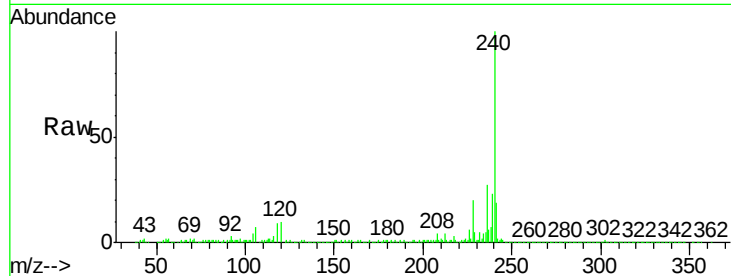
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF113894.D
Acq: 22 Apr 2019 22:43

Instrument :
BNA_F
ClientSampleId :
OR-03-041819-A

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	573503		
120	9.8	9.3	13.9	
236	26.6	21.2	31.8	

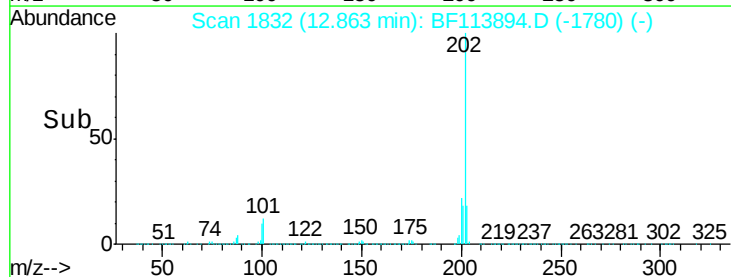
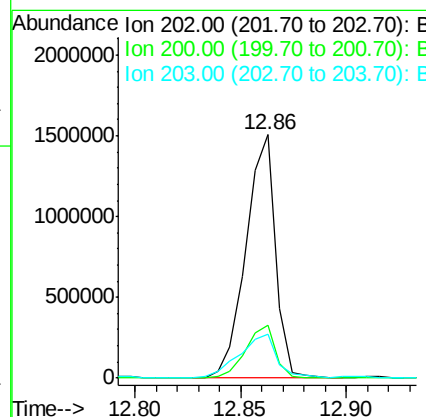
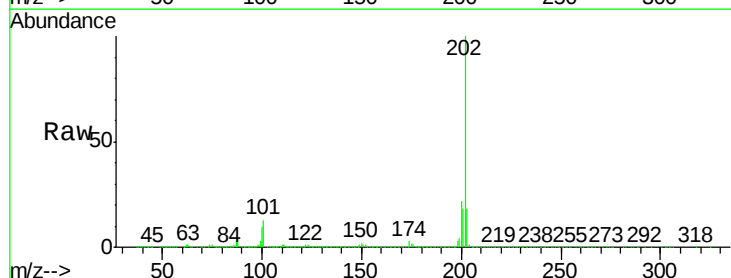
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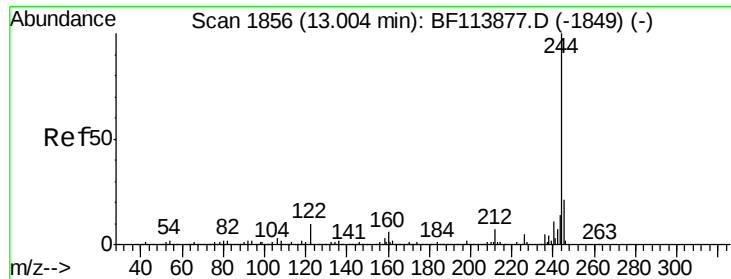
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#78
Pyrene
Concen: 36.438 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF113894.D
Acq: 22 Apr 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1461364		
200	21.8	17.7	26.5	
203	17.9	15.0	22.6	





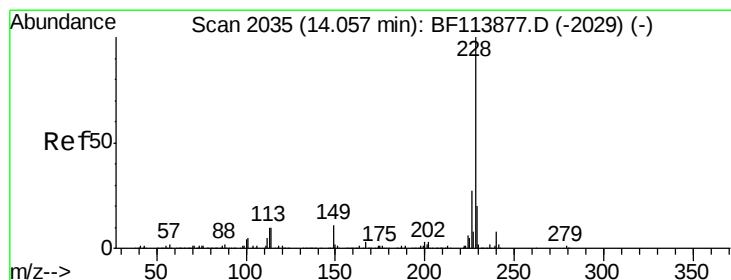
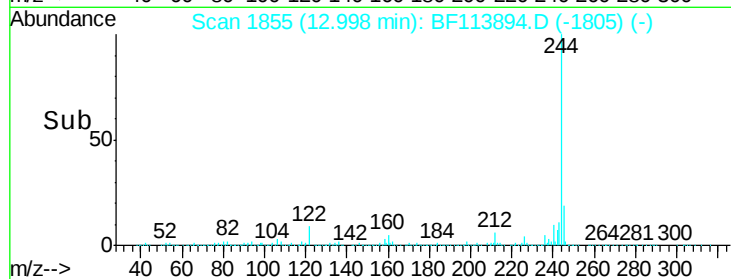
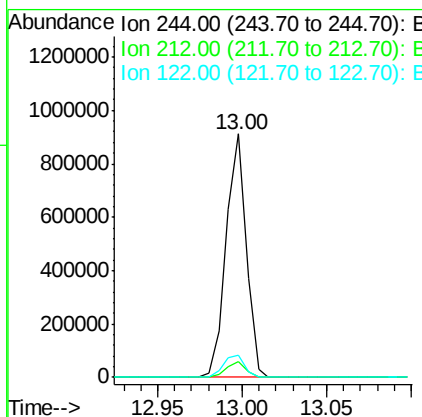
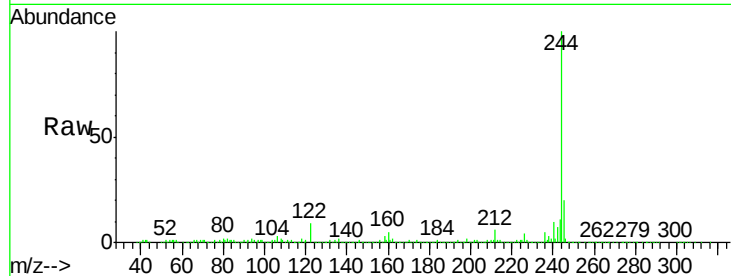
#79
 Terphenyl-d14
 Concen: 26.981 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. -0.01 min
 Lab File: BF113894.D
 Acq: 22 Apr 2019 22:43

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-041819-A

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.2
122	8.9	7.6	11.4

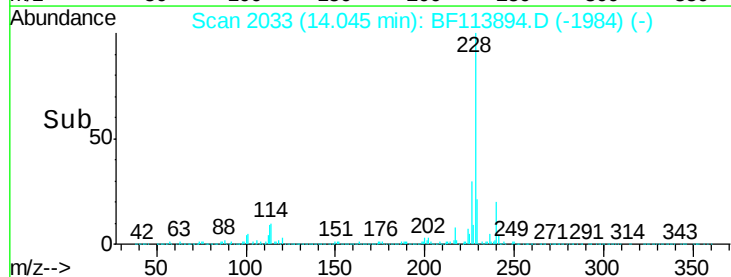
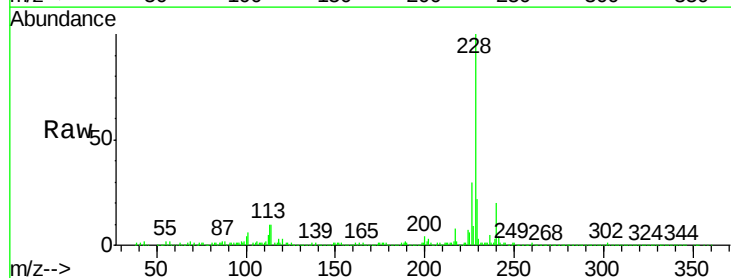
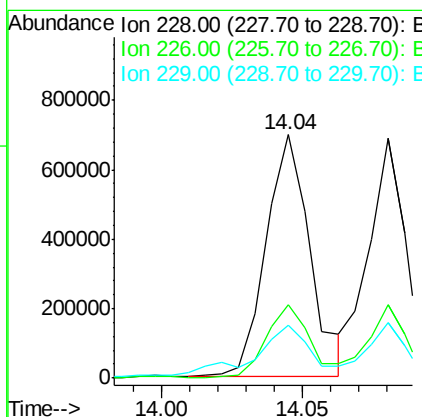
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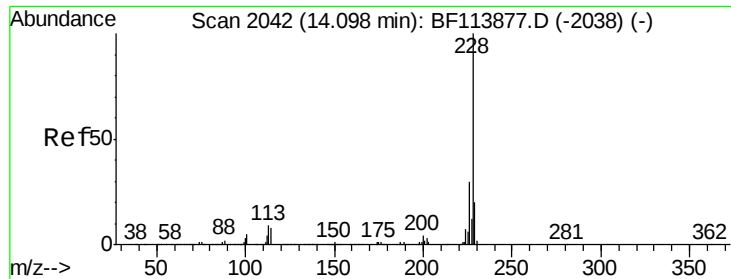
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#81
 Benzo(a)anthracene
 Concen: 22.425 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF113894.D
 Acq: 22 Apr 2019 22:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.2	33.2
229	21.7	16.0	24.0





#83

Chrysene

Concen: 18.936 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF113894.D

Acq: 22 Apr 2019 22:43

Instrument :

BNA_F

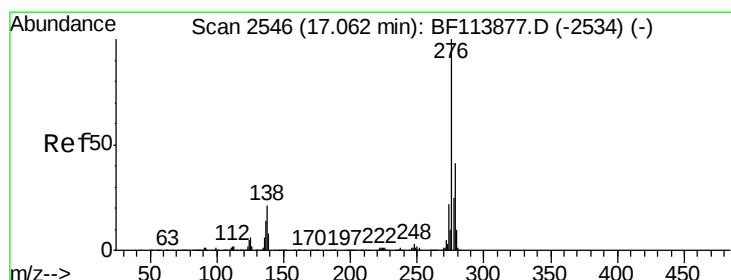
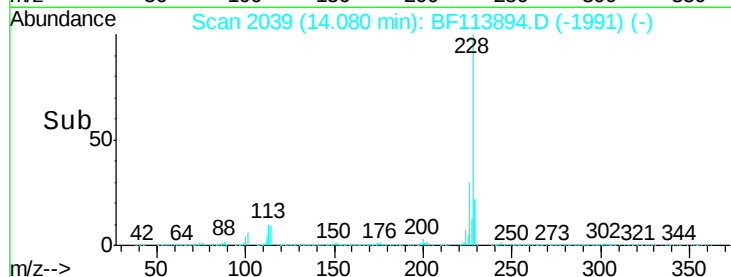
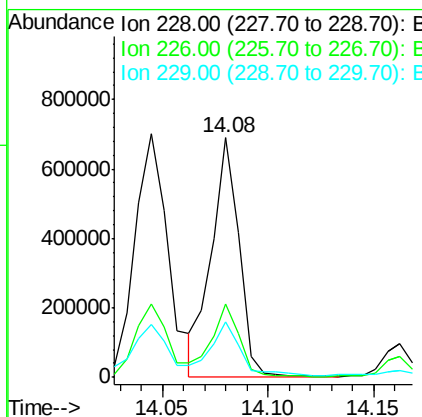
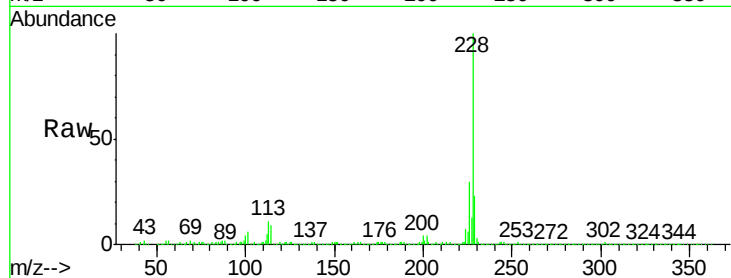
ClientSampleId :

OR-03-041819-A

Tgt Ion:	228	Resp:	623160
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.2	37.8
229	22.9	16.7	25.1

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#86

Indeno(1,2,3-cd)pyrene

Concen: 8.601 ng m

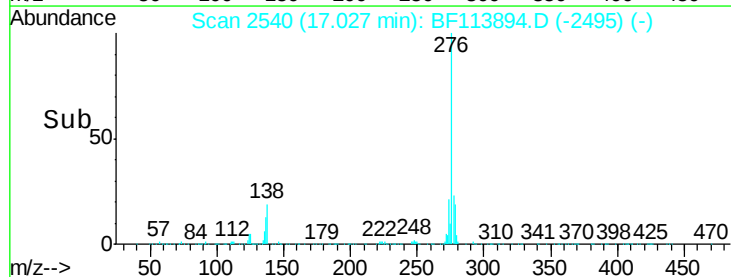
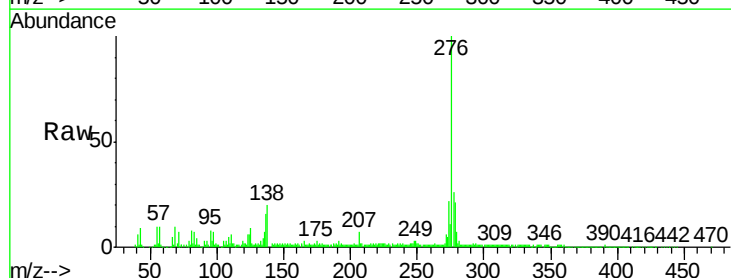
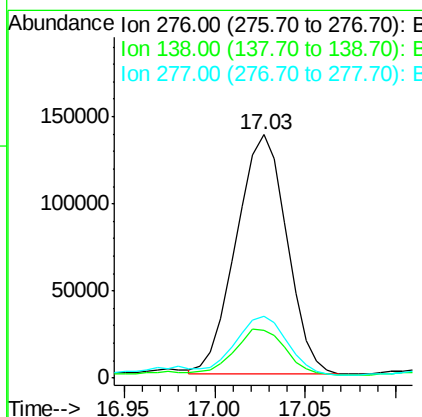
RT: 17.03 min Scan# 2540

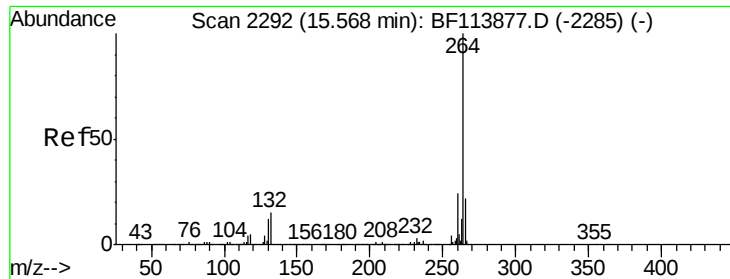
Delta R.T. -0.04 min

Lab File: BF113894.D

Acq: 22 Apr 2019 22:43

Tgt Ion:	276	Resp:	268112
Ion Ratio	Lower	Upper	
276	100		
138	4.3	19.6	29.4#
277	4.1	20.2	30.4#





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.02 min

Lab File: BF113894.D

Acq: 22 Apr 2019 22:43

Instrument :

BNA_F

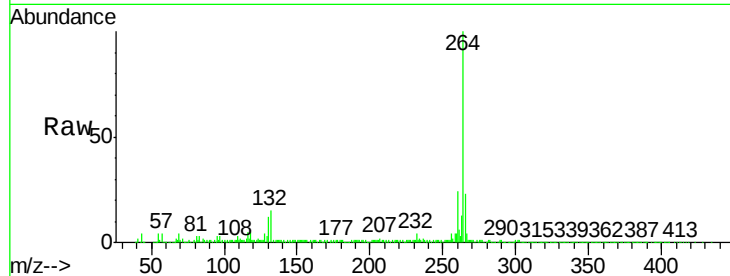
ClientSampleId :

OR-03-041819-A

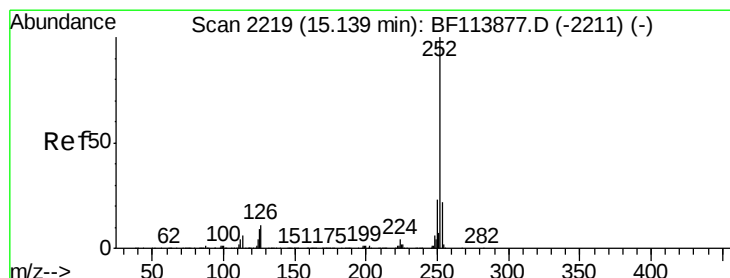
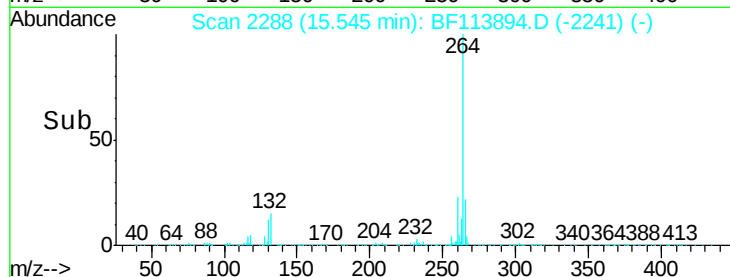
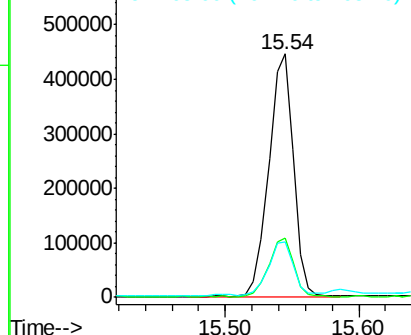
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.9	28.3
265	22.8	17.3	25.9

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 21.542 ng m

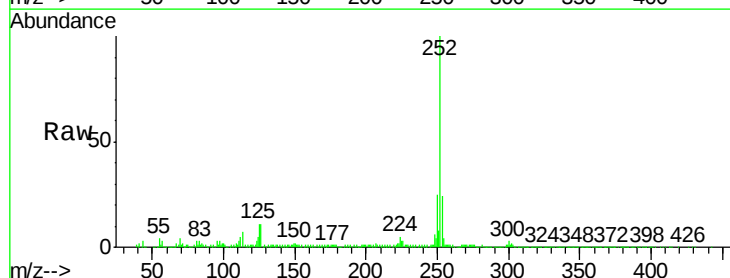
RT: 15.11 min Scan# 2214

Delta R.T. -0.03 min

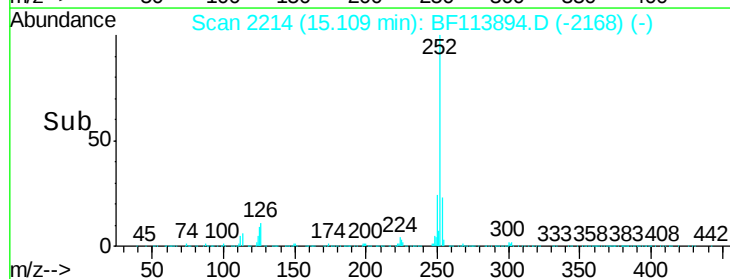
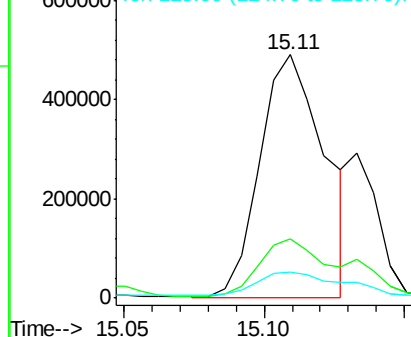
Lab File: BF113894.D

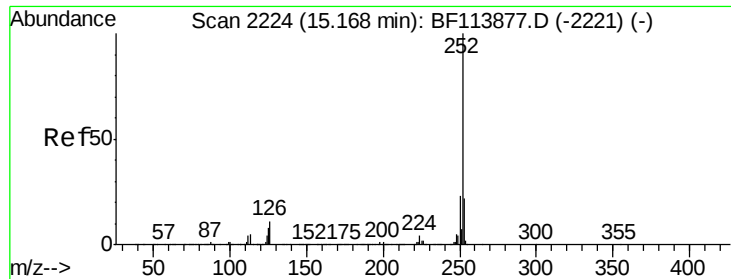
Acq: 22 Apr 2019 22:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.6
125	10.6	7.0	10.6#



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





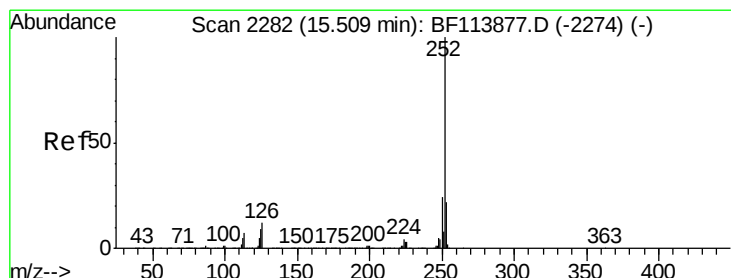
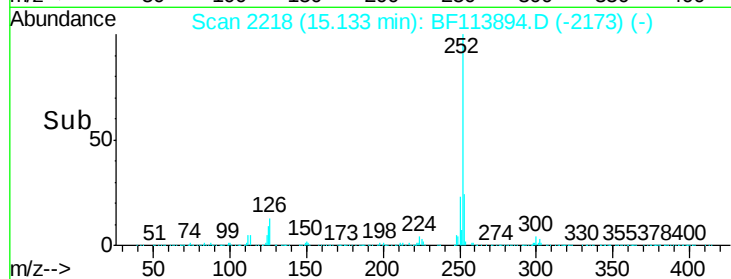
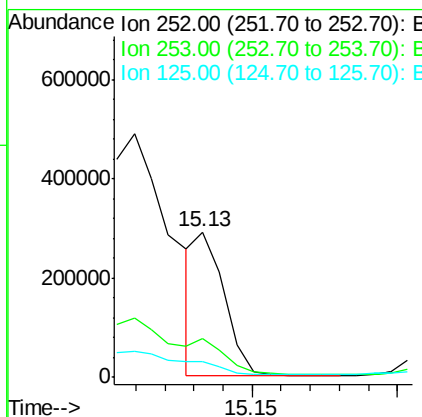
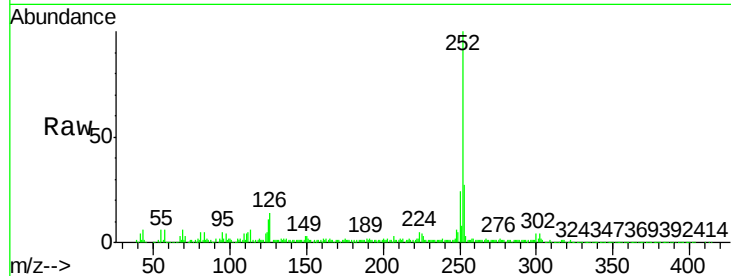
#89
Benzo(k)fluoranthene
Concen: 6.581 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.04 min
Lab File: BF113894.D
Acq: 22 Apr 2019 22:43

Instrument :
BNA_F
ClientSampleId :
OR-03-041819-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.2	27.2
125	10.7	7.4	11.2

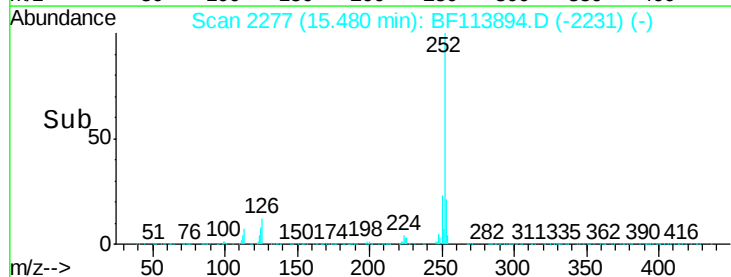
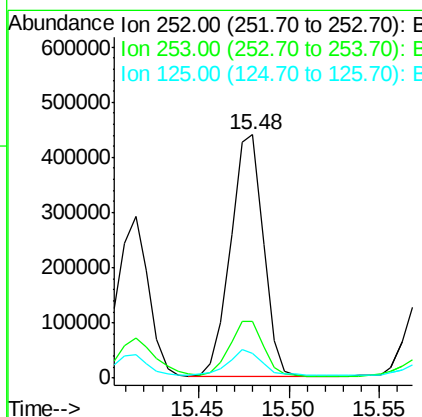
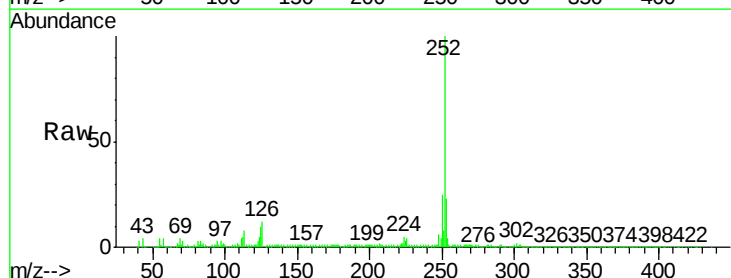
Manual Integrations
APPROVED

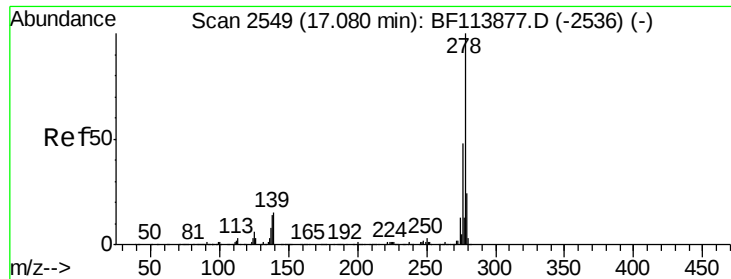
Sohil
4/23/2019 4:08:03 PM



#90
Benzo(a)pyrene
Concen: 17.682 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.03 min
Lab File: BF113894.D
Acq: 22 Apr 2019 22:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	10.3	8.5	12.7





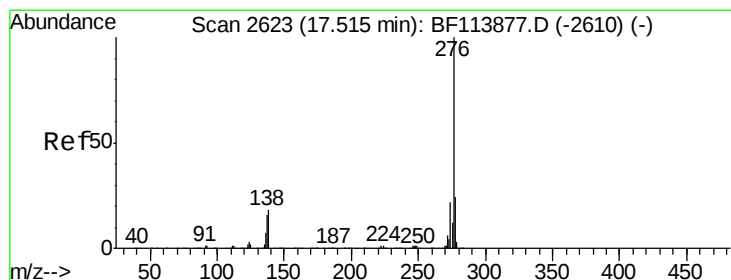
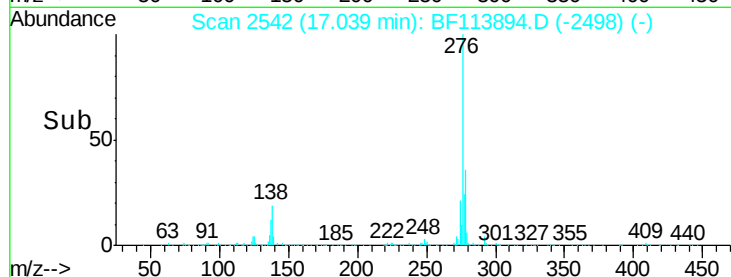
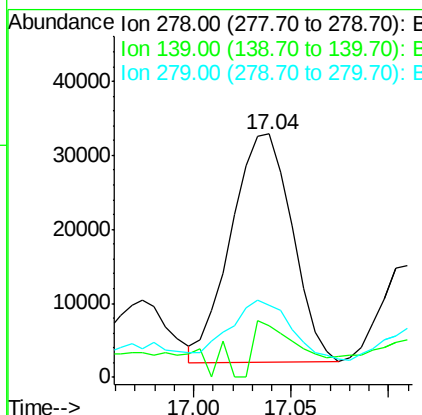
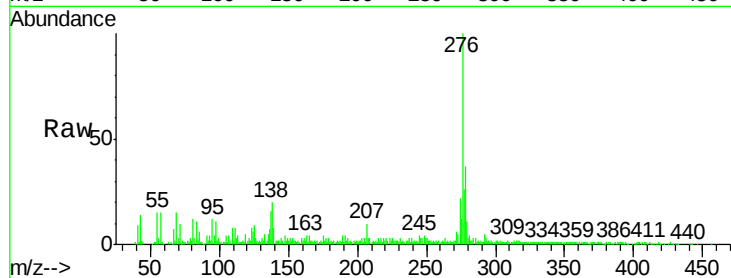
#91
Dibenzo(a,h)anthracene
Concen: 2.279 ng
RT: 17.04 min Scan# 2542
Delta R.T. -0.04 min
Lab File: BF113894.D
Acq: 22 Apr 2019 22:43

Instrument :
BNA_F
ClientSampleId :
OR-03-041819-A

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.2	11.6	17.4#
279	29.8	19.0	28.6#

Manual Integrations
APPROVED

Sohil
4/23/2019 4:08:03 PM



#92
Benzo(g,h,i)perylene
Concen: 8.556 ng
RT: 17.47 min Scan# 2616
Delta R.T. -0.04 min
Lab File: BF113894.D
Acq: 22 Apr 2019 22:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.0	28.4
138	18.9	16.6	25.0

