

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
 Data File : BF111895.D
 Acq On : 7 Jan 2019 23:47
 Operator : JU/SJ
 Sample : K1010-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-010419

Manual Integrations
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 1/8/2019 11:20:49 AM

Quant Time: Jan 08 04:43:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	120482	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	485395	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	206423	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	326542	20.00	ng	0.00
76) Chrysene-d12	14.06	240	384697	20.00	ng	0.00
87) Perylene-d12	15.54	264	345711	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	339086	48.15	ng	0.00
7) Phenol-d6	6.53	99	353256	38.92	ng	0.00
23) Nitrobenzene-d5	7.45	82	224110	24.68	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	90236	33.61	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	425564	30.06	ng	0.00
79) Terphenyl-d14	12.99	244	406516	20.06	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.19	128	56074	2.434	ng	96
37) 2-Methylnaphthalene	8.88	142	28734	2.013	ng	92
49) Acenaphthylene	9.79	152	52721	2.631	ng	97
50) Dimethylphthalate	9.63	163	35731	2.304	ng	98
52) Acenaphthene	9.96	154	110841	8.582	ng	99
55) Dibenzofuran	10.13	168	65135	3.468	ng	96
58) Fluorene	10.47	166	113125	8.276	ng	97
71) Phenanthrene	11.44	178	1030938	59.051	ng	100
72) Anthracene	11.49	178	318653	17.980	ng	98
73) Carbazole	11.64	167	142242	8.251	ng	97
75) Fluoranthene	12.64	202	2689683	150.071	ng	95
78) Pylene	12.87	202	2386571	90.163	ng	98
81) Benzo(a)anthracene	14.05	228	1454486	65.695	ng	98
83) Chrysene	14.09	228	1219964	57.791	ng	97
86) Indeno(1,2,3-cd)pyrene	17.04	276	667068	43.345	ng	95
88) Benzo(b)fluoranthene	15.12	252	1544071m	74.664	ng	
89) Benzo(k)fluoranthene	15.14	252	594310m	30.573	ng	
90) Benzo(a)pyrene	15.49	252	1147171	63.089	ng	98
91) Dibenzo(a,h)anthracene	17.05	278	151363	10.350	ng	98
92) Benzo(a,h,i)perylene	17.50	276	614541	42.962	ng	99

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

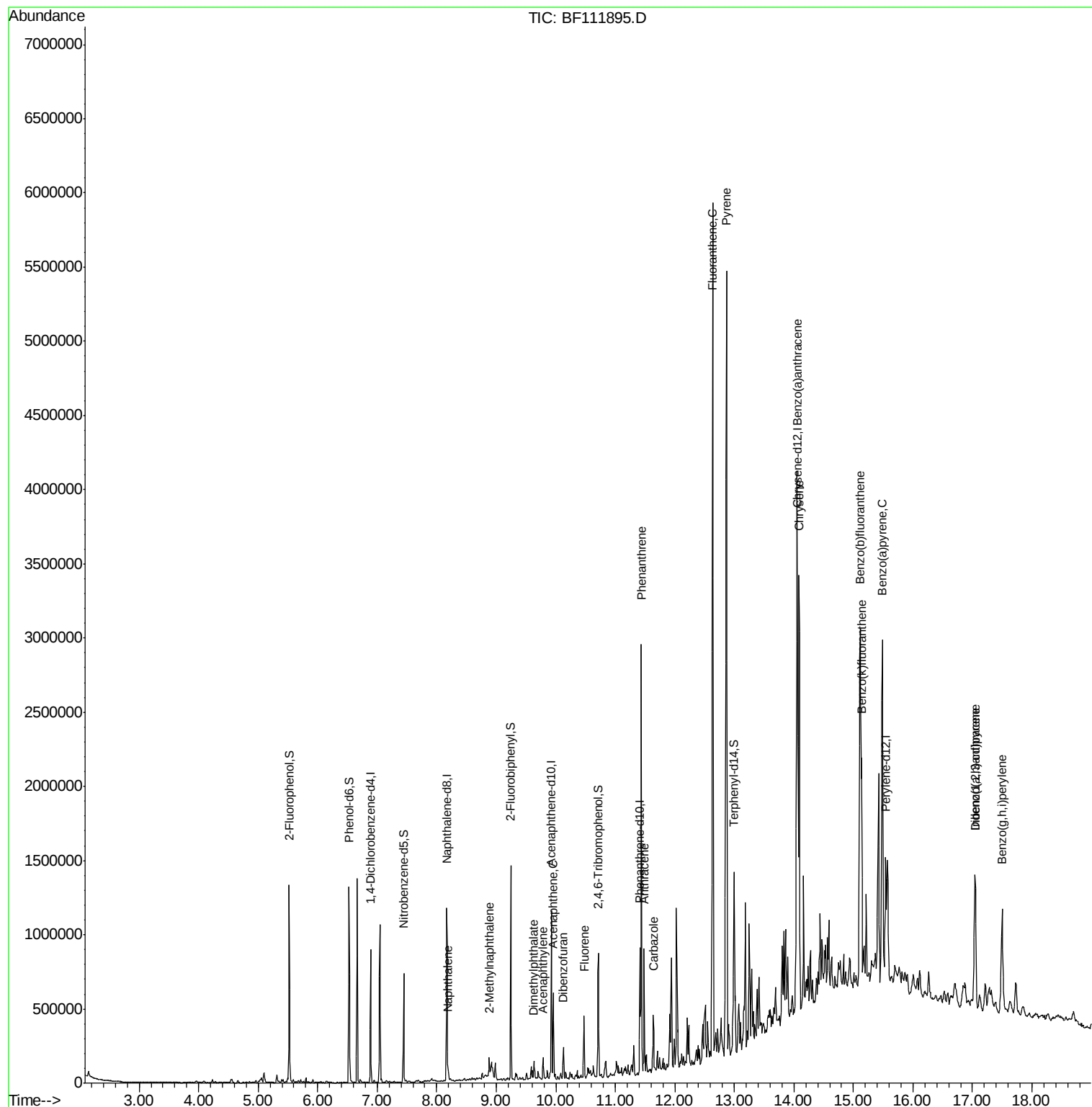
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
Data File : BF111895.D
Acq On : 7 Jan 2019 23:47
Operator : JU/SJ
Sample : K1010-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

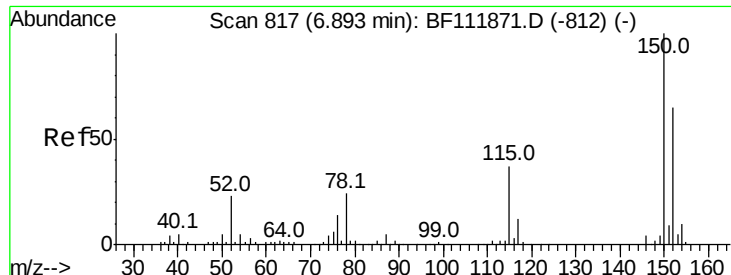
Instrument :
BNA_F
ClientSampleId :
OK-03-010419

Quant Time: Jan 08 04:43:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 07 14:33:51 2019
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#1

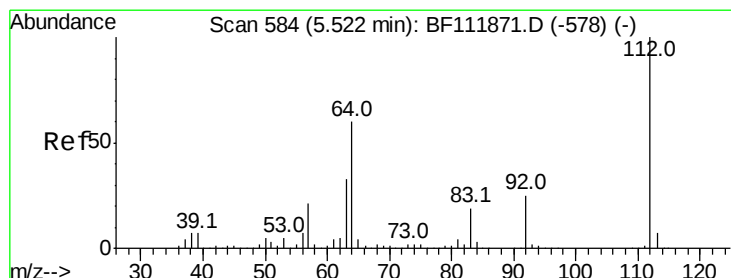
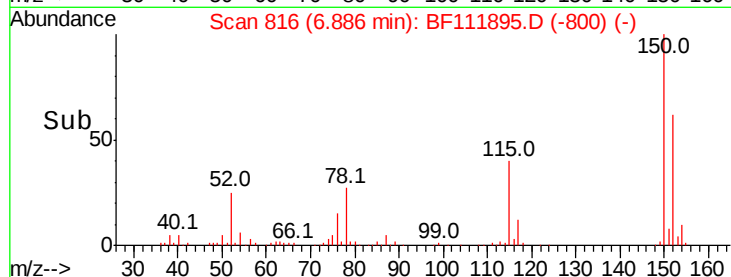
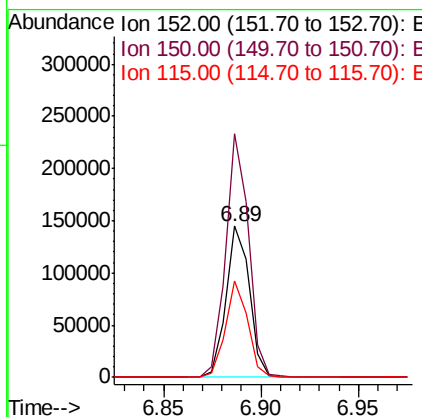
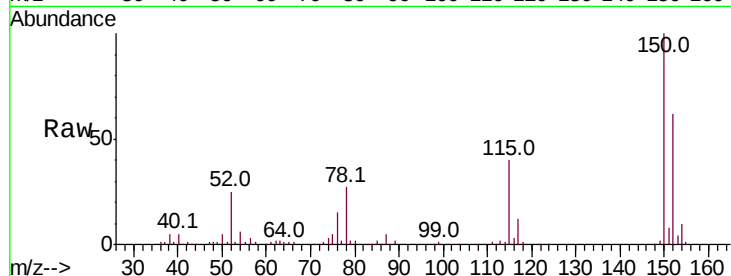
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BF111895.D
 Acq: 7 Jan 2019 23:47

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-010419

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	122.7	184.1
115	63.8	45.2	67.8

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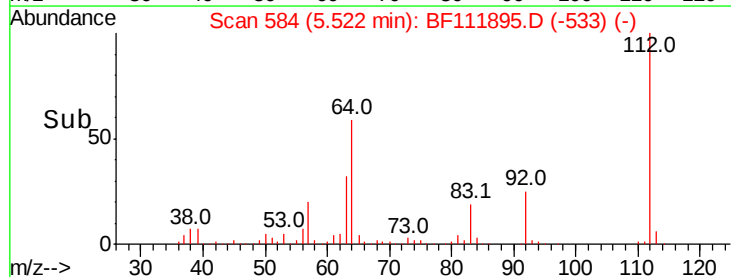
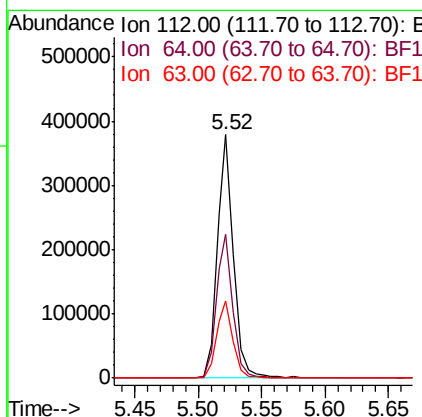
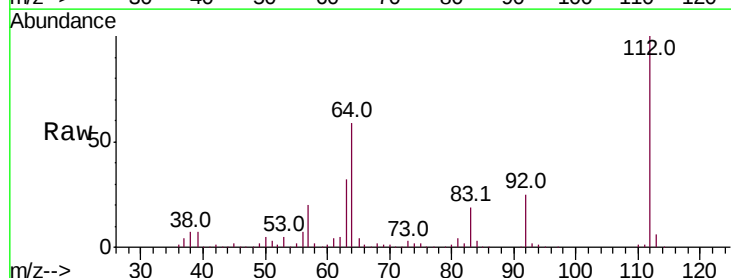
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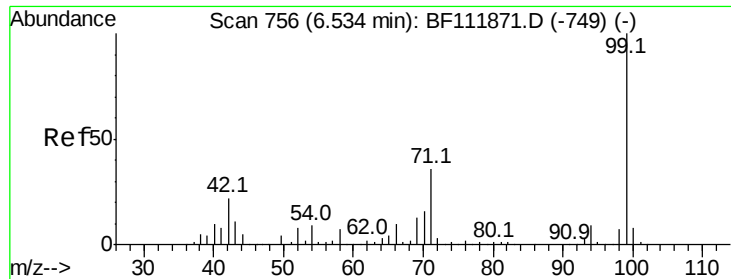


#5

2-Fluorophenol
 Concen: 48.149 ng
 RT: 5.52 min Scan# 584
 Delta R.T. -0.00 min
 Lab File: BF111895.D
 Acq: 7 Jan 2019 23:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	48.3	72.5
63	31.5	26.1	39.1





#7

Phenol-d6

Concen: 38.919 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111895.D

Acq: 7 Jan 2019 23:47

Instrument :

BNA_F

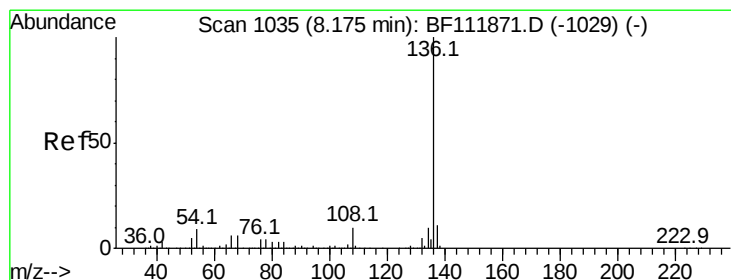
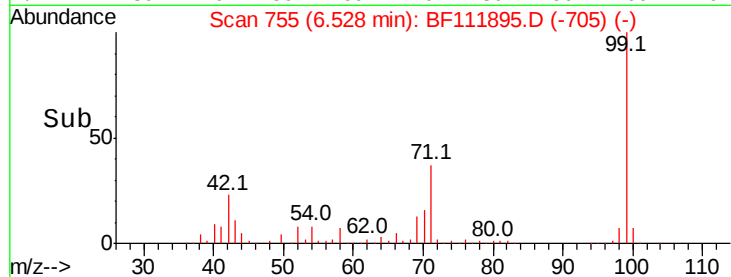
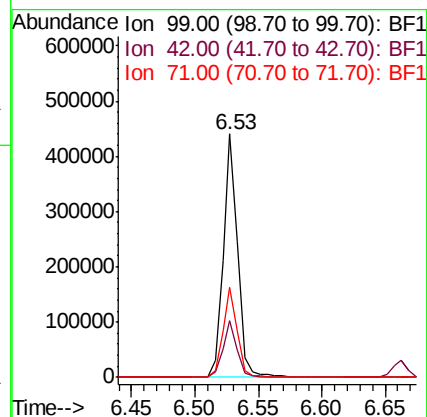
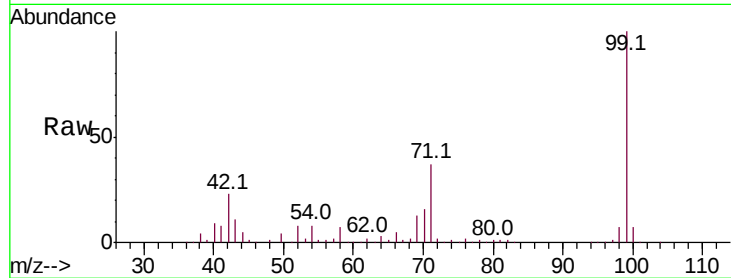
ClientSampleId :

OK-03-010419

Tot Ion:	99	Resp:	353256
Ion Ratio	Lower	Upper	
99	100		
42	23.1	17.9	26.9
71	37.0	28.7	43.1

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#21

Naphthalene-d8

Concen: 20.000 ng

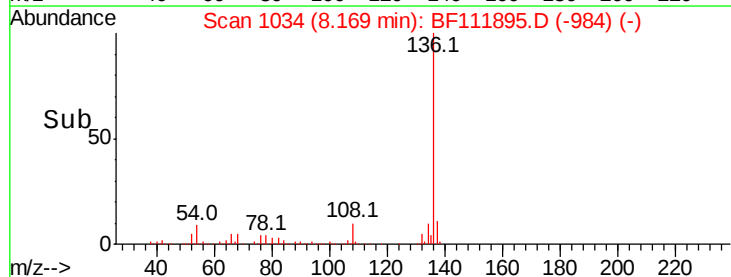
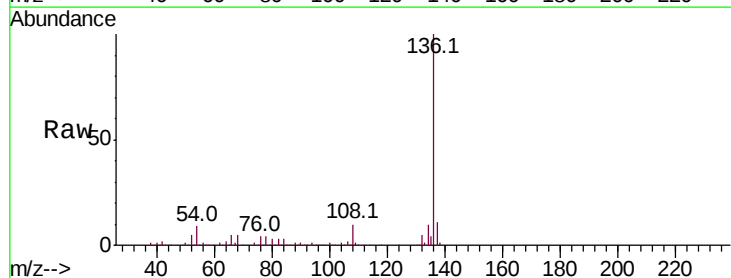
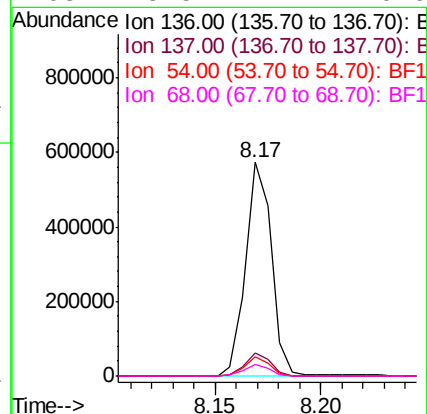
RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF111895.D

Acq: 7 Jan 2019 23:47

Tgt Ion:	136	Resp:	485395
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.1	13.7
54	8.8	7.2	10.8
68	5.5	4.4	6.6





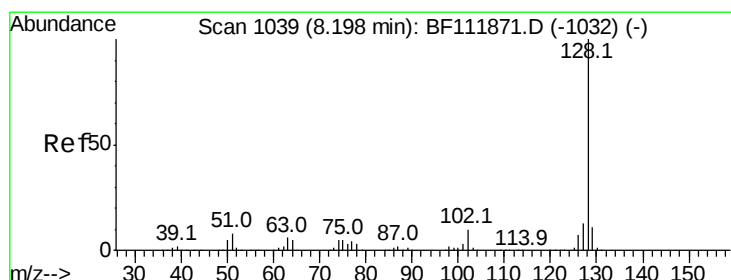
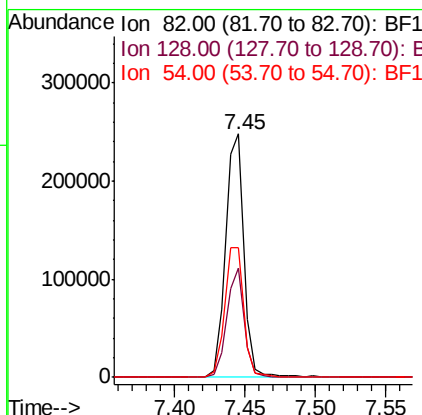
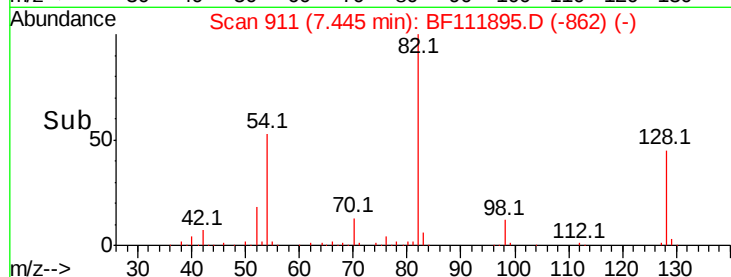
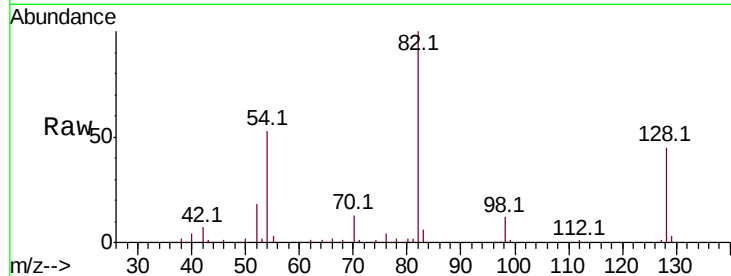
#23
Nitrobenzene-d5
Concen: 24.676 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF111895.D
Acq: 7 Jan 2019 23:47

Instrument :
BNA_F
ClientSampleId :
OK-03-010419

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.7	53.5
54	53.0	45.8	68.8

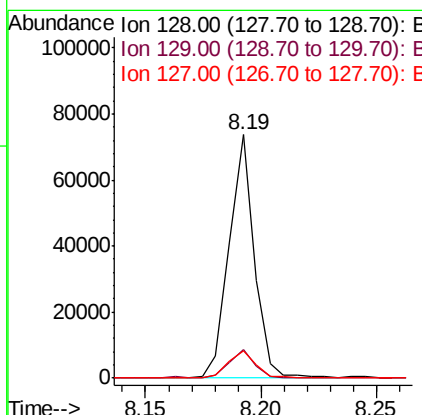
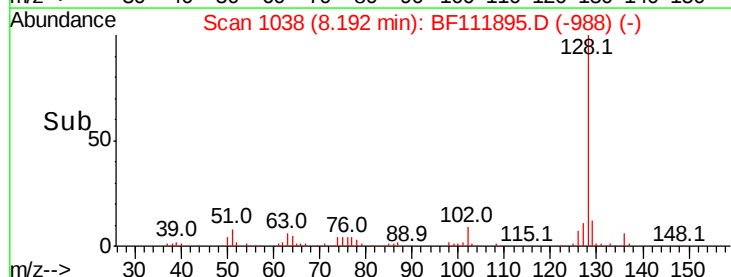
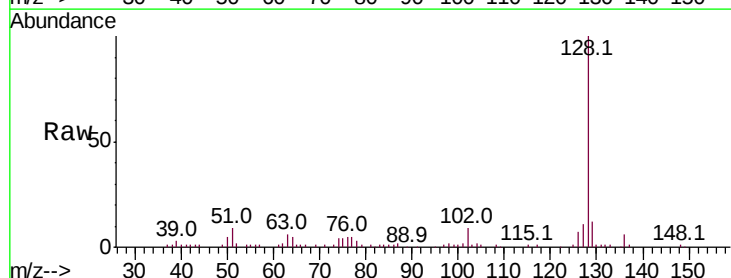
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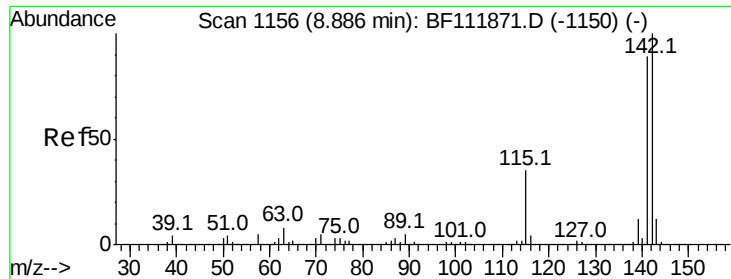
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#31
Naphthalene
Concen: 2.434 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF111895.D
Acq: 7 Jan 2019 23:47

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.0	13.4
127	11.1	10.7	16.1





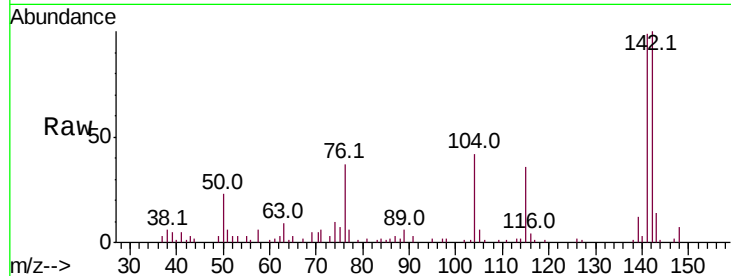
#37
2-Methylnaphthalene
Concen: 2.013 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF111895.D
Acq: 7 Jan 2019 23:47

Instrument :
BNA_F
ClientSampleId :
OK-03-010419

Tot Ion	Ratio	Lower	Upper
142	100		
141	98.8	71.4	107.2
115	36.2	28.3	42.5

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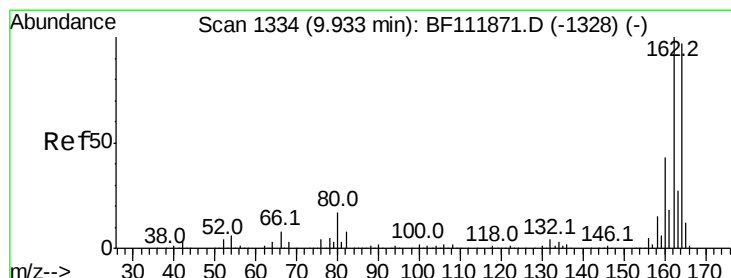
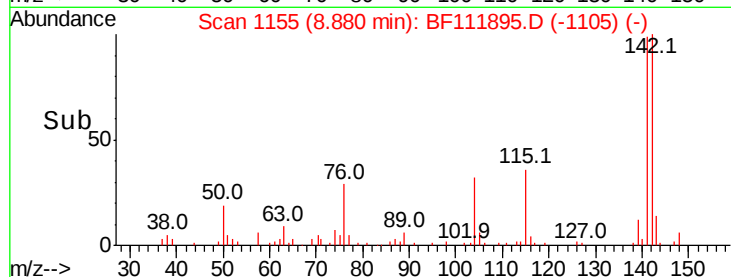
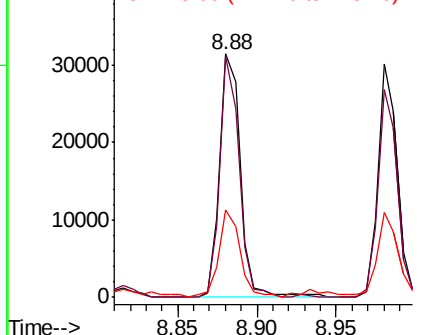


Abundance

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



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF111895.D
Acq: 7 Jan 2019 23:47

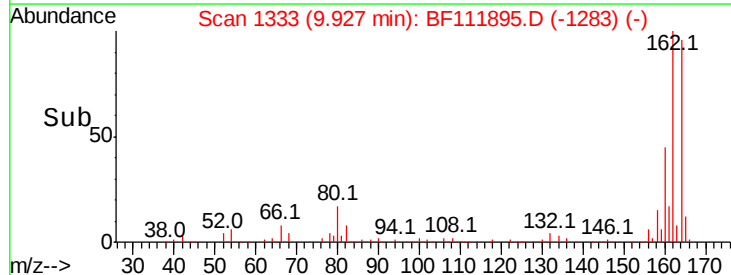
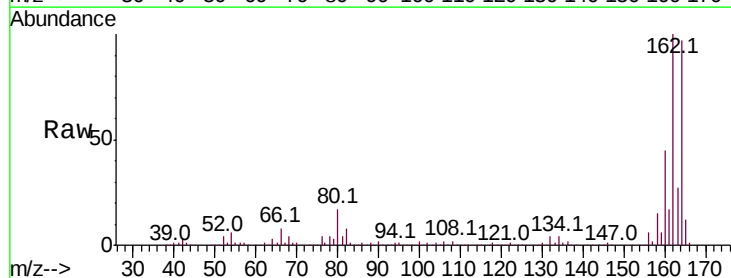
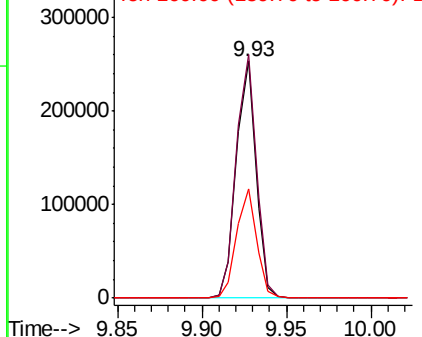
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.2	123.2
160	46.3	35.5	53.3

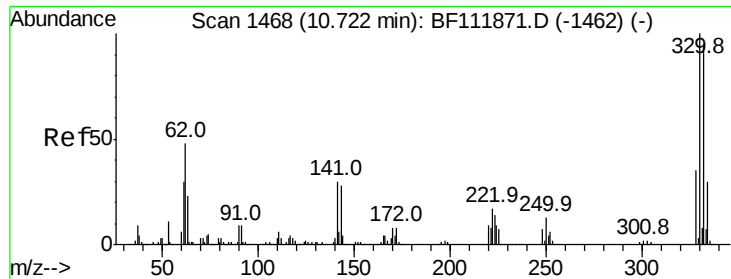
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





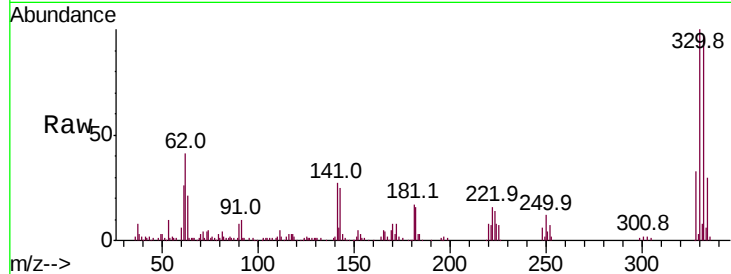
#42
 2,4,6-Tribromophenol
 Concen: 33.608 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111895.D
 Acq: 7 Jan 2019 23:47

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-010419

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.9	115.3
141	31.0	23.7	35.5

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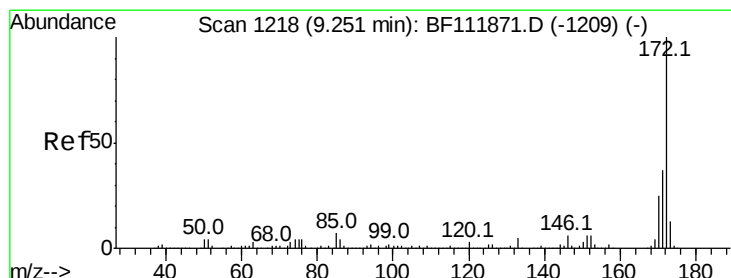
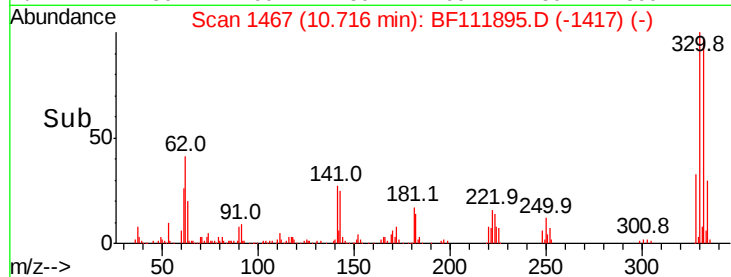
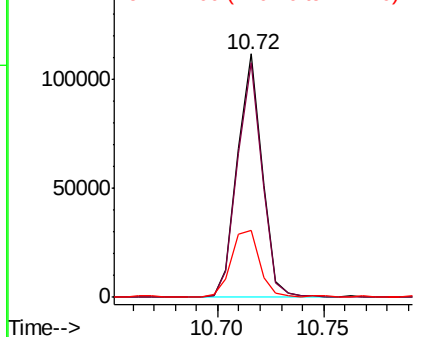


Abundance

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: 30.062 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF111895.D
 Acq: 7 Jan 2019 23:47

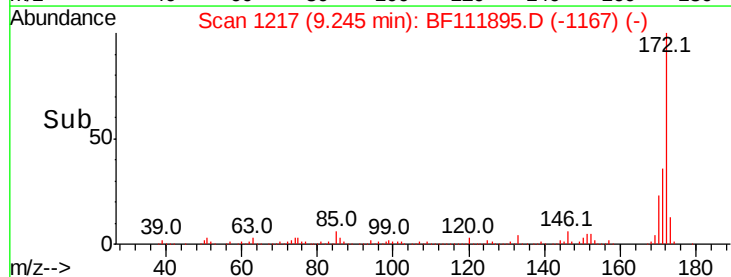
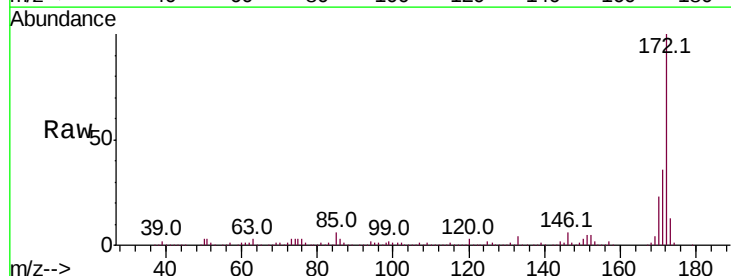
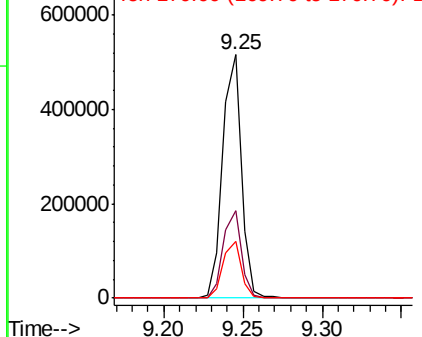
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.2	19.8	29.8

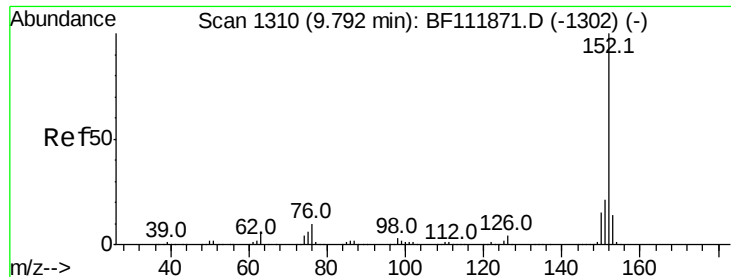
Abundance

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





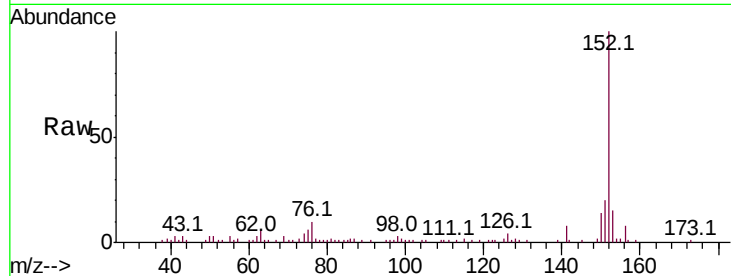
#49
Acenaphthylene
Concen: 2.631 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF111895.D
Acq: 7 Jan 2019 23:47

Instrument :
BNA_F
ClientSampleId :
OK-03-010419

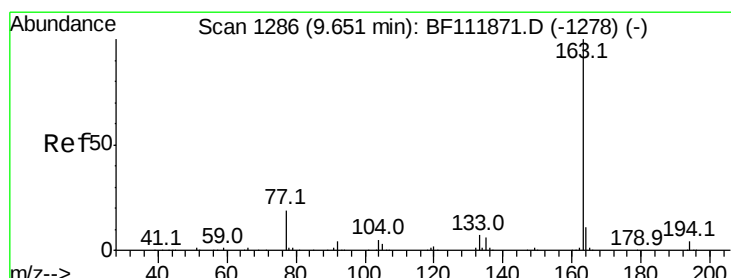
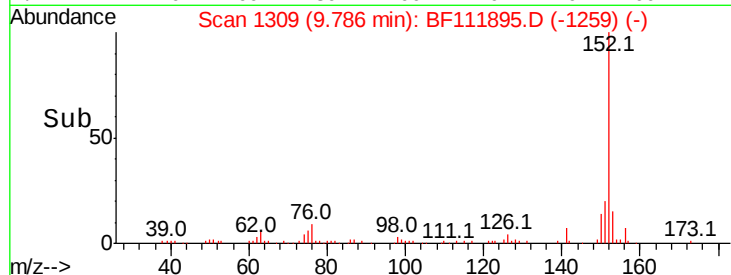
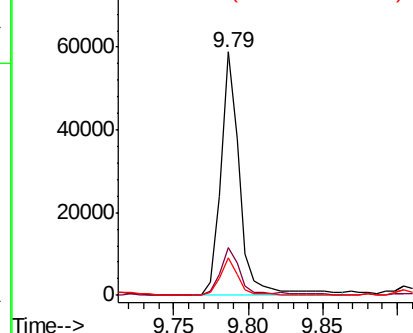
Tot Ion:	152	Resp:	52721
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.6	25.0
153	15.3	11.0	16.4

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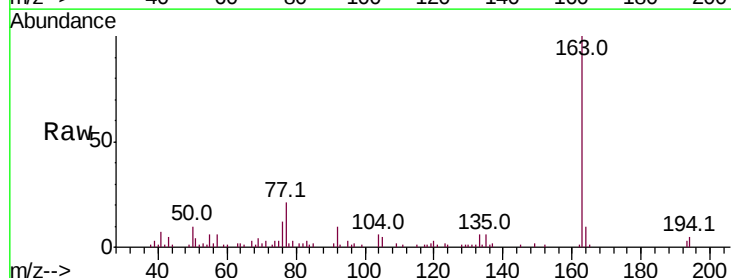


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

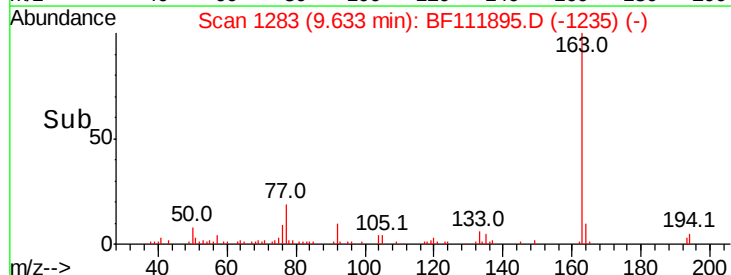
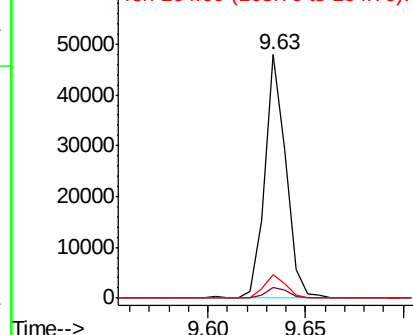


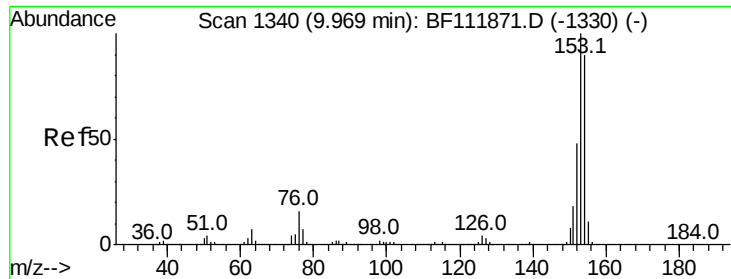
#50
Dimethylphthalate
Concen: 2.304 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF111895.D
Acq: 7 Jan 2019 23:47

Tgt Ion:	163	Resp:	35731
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.4	5.2
164	9.8	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: 8.582 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF111895.D

Acq: 7 Jan 2019 23:47

Instrument :

BNA_F

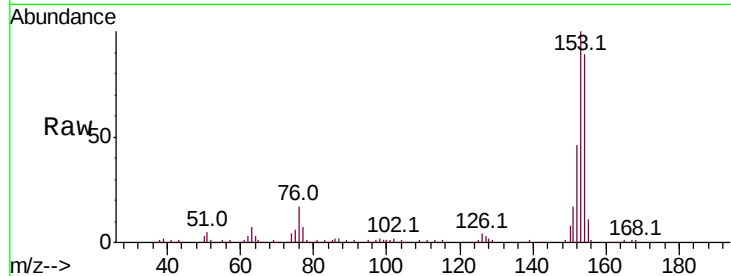
ClientSampleId :

OK-03-010419

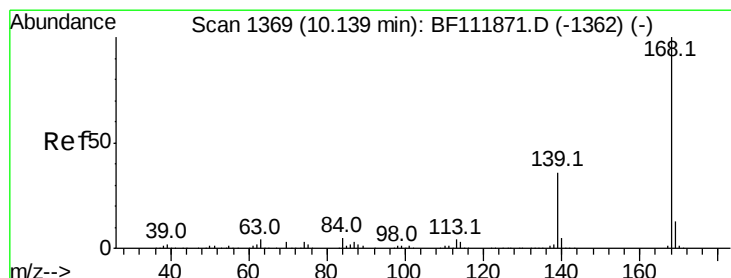
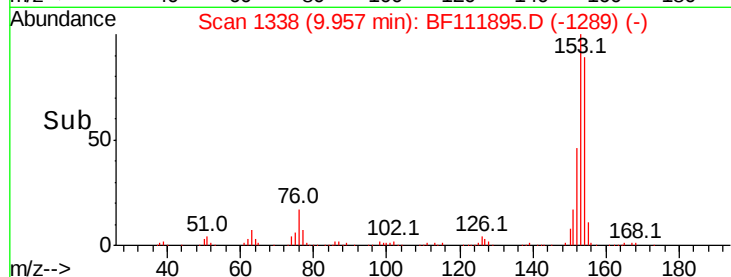
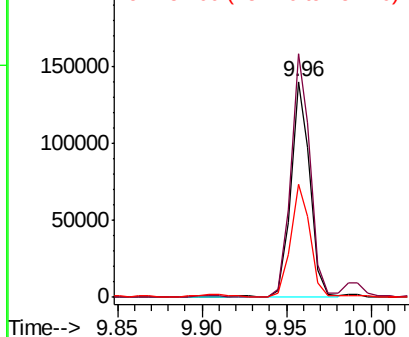
Tot Ion:	154	Resp:	110841
Ion Ratio	Lower	Upper	
154	100		
153	112.9	89.4	134.0
152	52.4	43.1	64.7

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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: 3.468 ng

RT: 10.13 min Scan# 1367

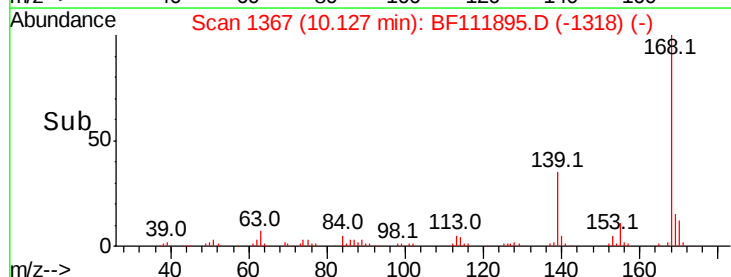
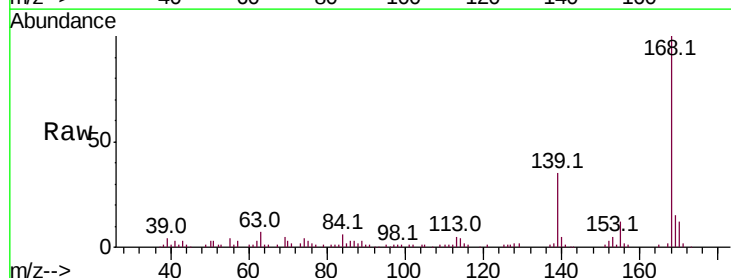
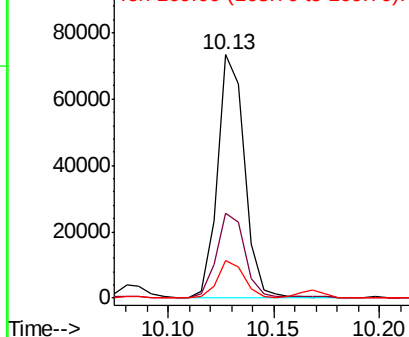
Delta R.T. -0.01 min

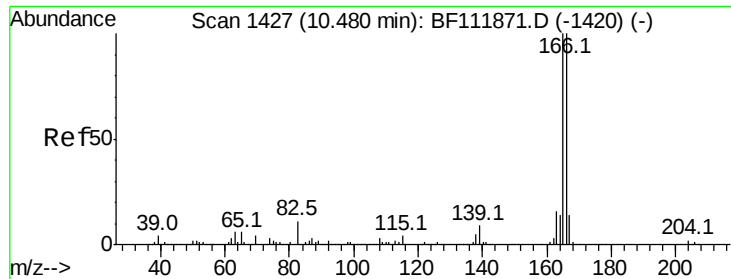
Lab File: BF111895.D

Acq: 7 Jan 2019 23:47

Tgt Ion:	168	Resp:	65135
Ion Ratio	Lower	Upper	
168	100		
139	34.7	29.3	43.9
169	15.2	10.6	16.0

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





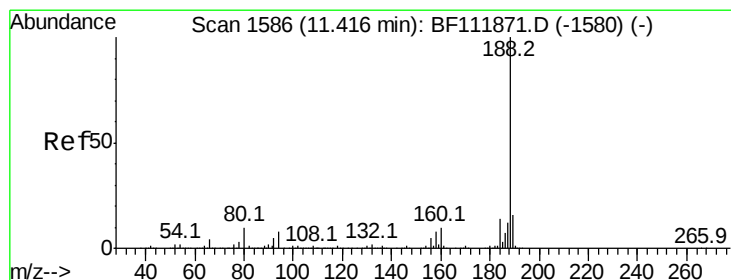
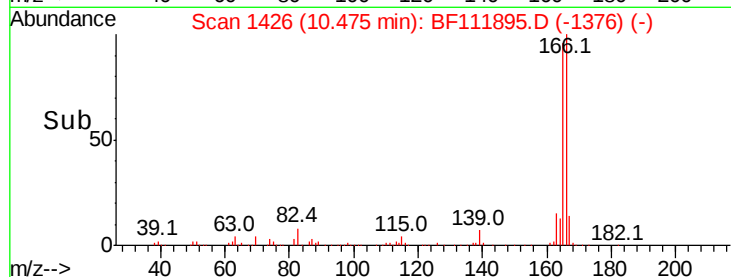
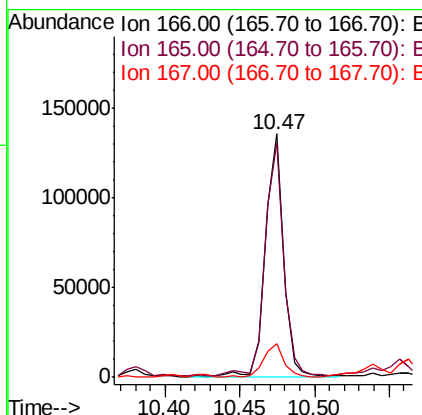
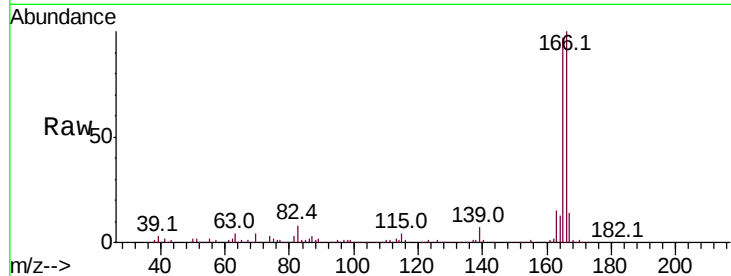
#58
Fluorene
 Concen: 8.276 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF111895.D
 Acq: 7 Jan 2019 23:47

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-010419

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	96.6	79.7	119.5	
167	14.0	11.1	16.7	

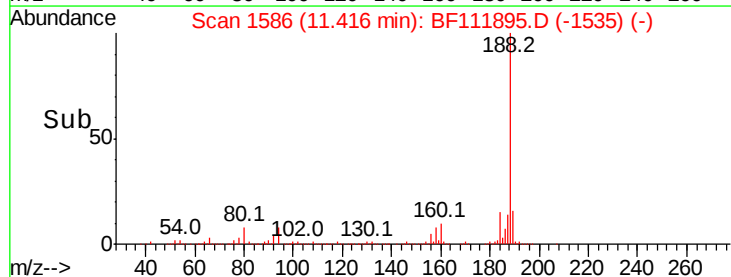
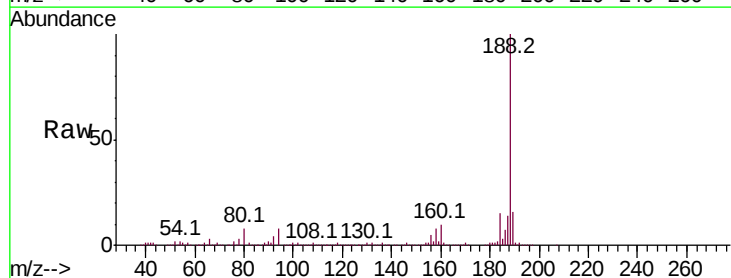
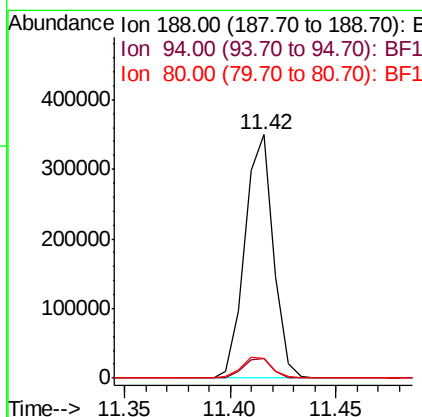
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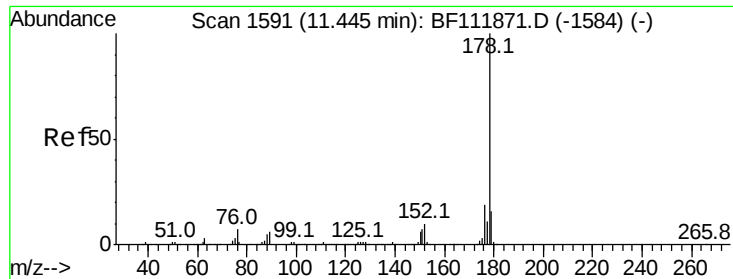
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF111895.D
 Acq: 7 Jan 2019 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	7.8	6.6	10.0	
80	8.2	7.7	11.5	





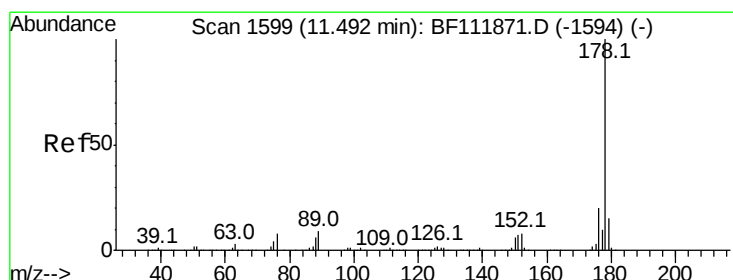
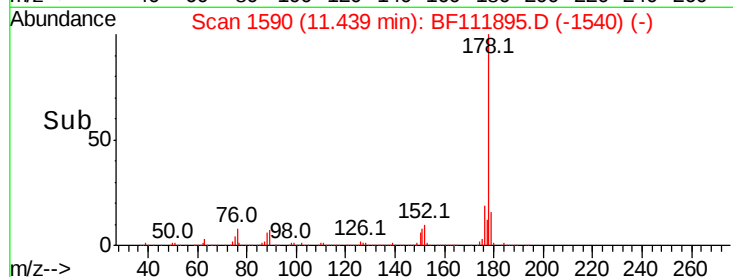
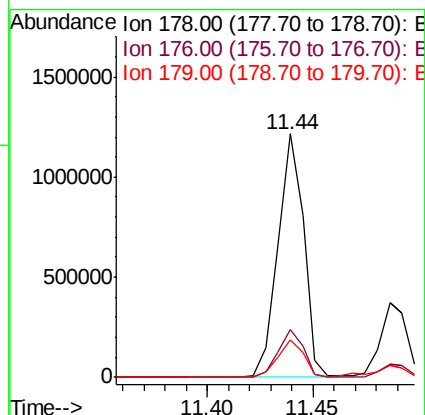
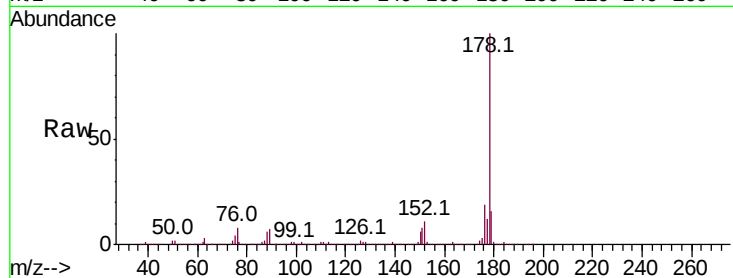
#71
Phenanthrene
Concen: 59.051 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF111895.D
Acq: 7 Jan 2019 23:47

Instrument :
BNA_F
ClientSampleId :
OK-03-010419

Tot Ion:178 Resp: 1030938
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.7 12.6 18.8

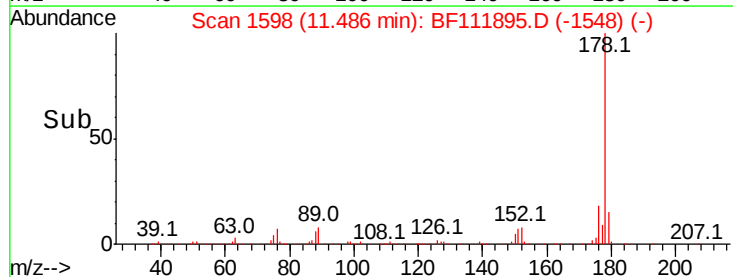
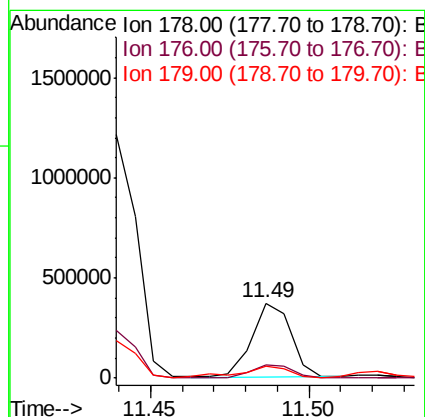
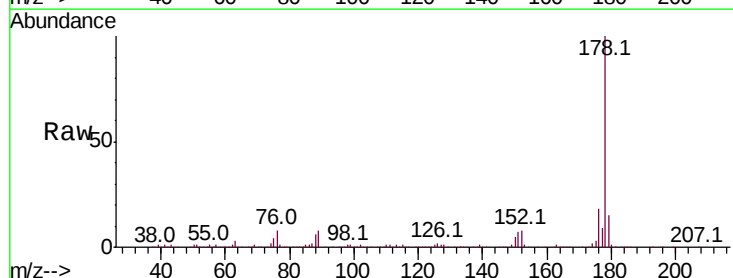
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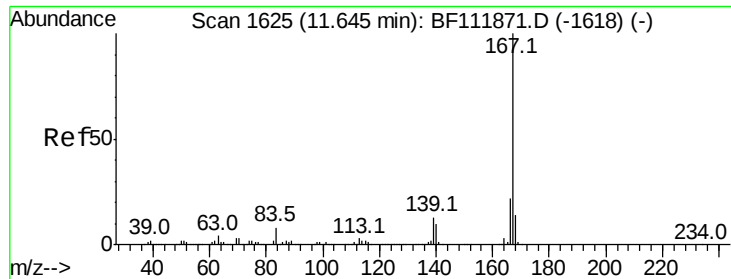
Sohil
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#72
Anthracene
Concen: 17.980 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF111895.D
Acq: 7 Jan 2019 23:47

Tgt Ion:178 Resp: 318653
Ion Ratio Lower Upper
178 100
176 18.3 15.7 23.5
179 15.3 12.4 18.6





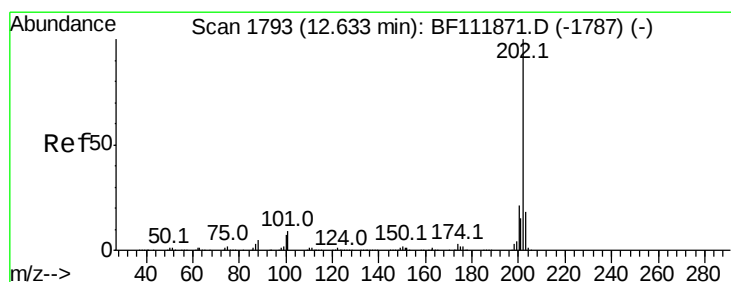
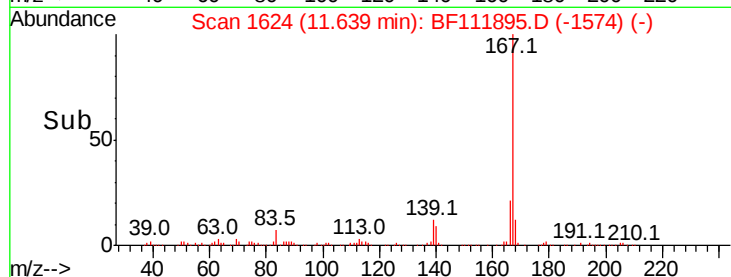
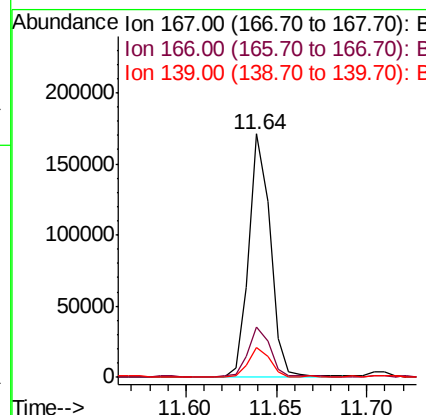
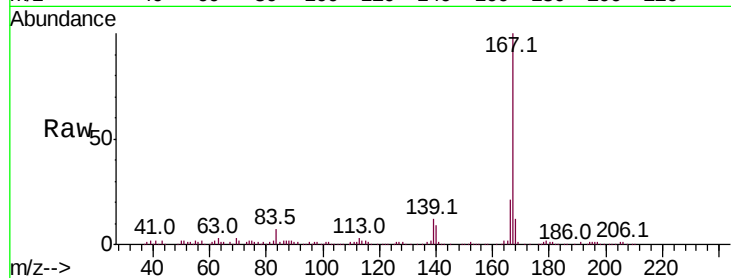
#73
 Carbazole
 Concen: 8.251 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BF111895.D
 Acq: 7 Jan 2019 23:47

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-010419

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.8	26.6
139	12.1	10.6	16.0

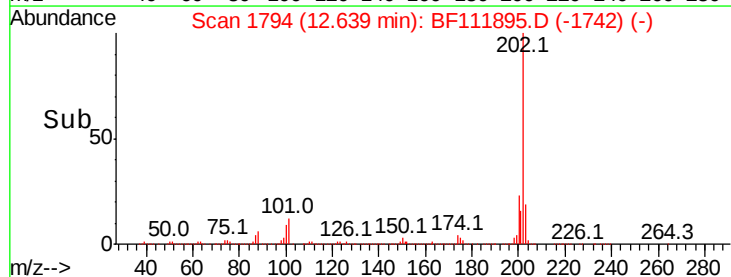
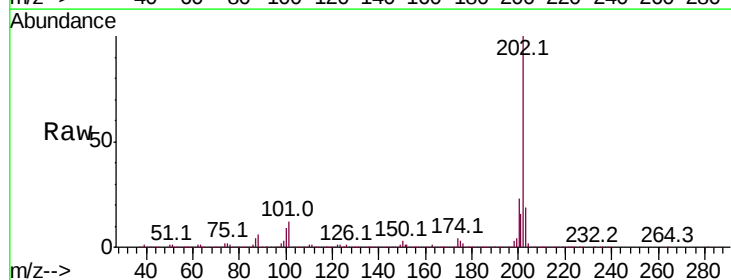
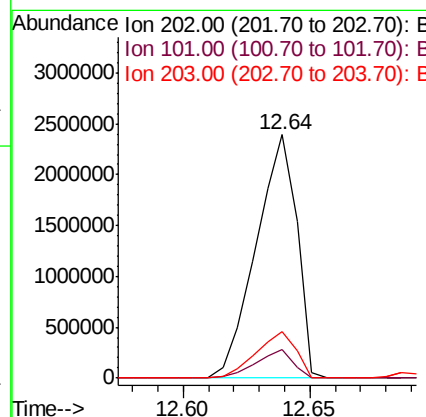
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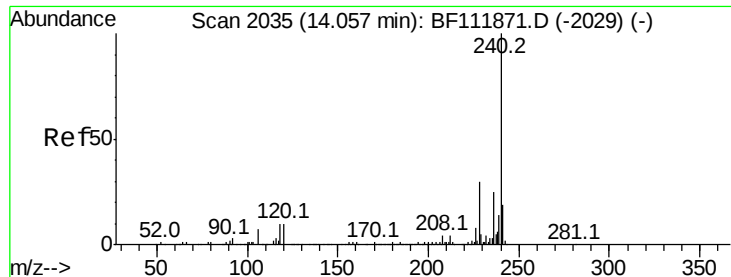
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#75
 Fluoranthene
 Concen: 150.071 ng
 RT: 12.64 min Scan# 1794
 Delta R.T. 0.01 min
 Lab File: BF111895.D
 Acq: 7 Jan 2019 23:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	29.3
203	19.0	0.0	37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF111895.D

Acq: 7 Jan 2019 23:47

Instrument :

BNA_F

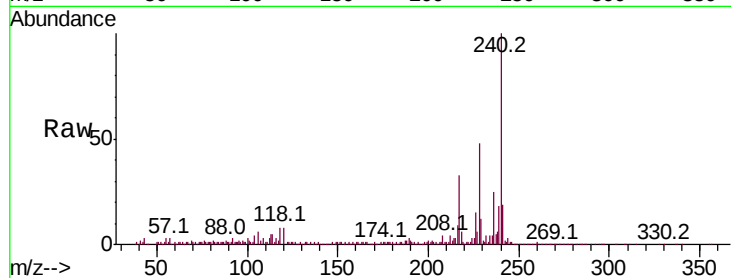
ClientSampleId :

OK-03-010419

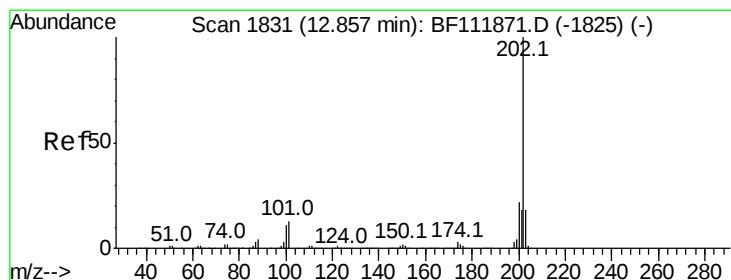
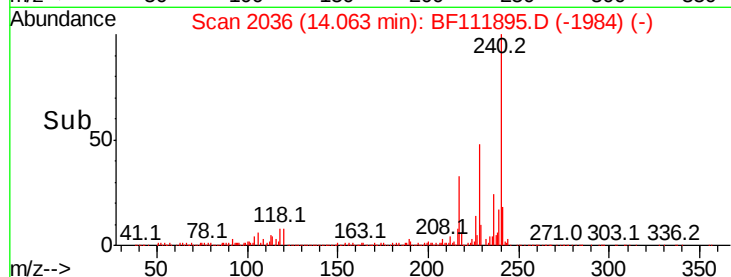
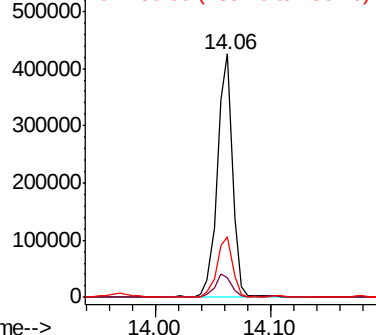
Tot Ion:	240	Resp:	384697
Ion Ratio	Lower	Upper	
240	100		
120	8.3	8.2	12.2
236	24.7	20.2	30.4

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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



#78

Pyrene

Concen: 90.163 ng

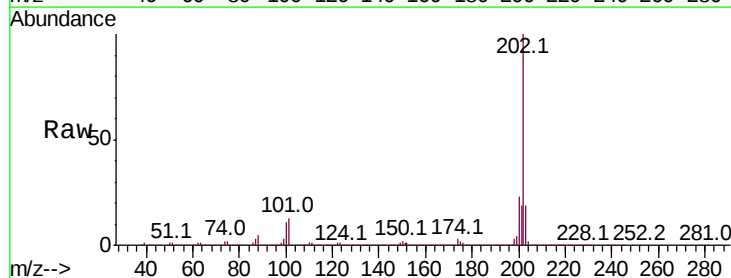
RT: 12.87 min Scan# 1833

Delta R.T. 0.01 min

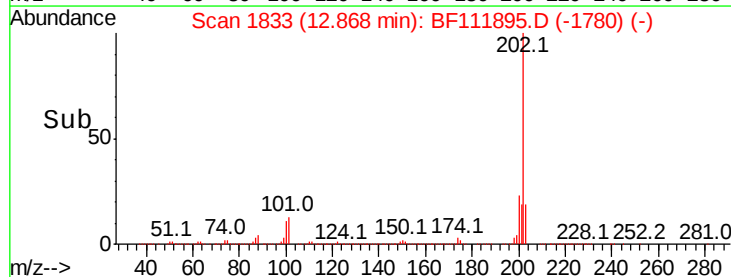
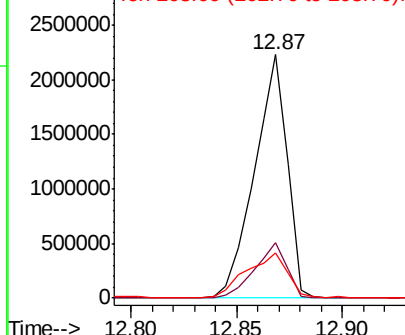
Lab File: BF111895.D

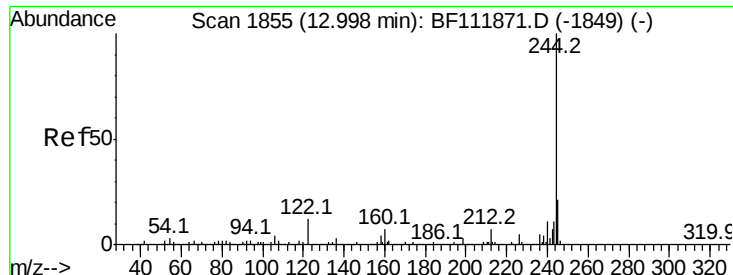
Acq: 7 Jan 2019 23:47

Tgt Ion:	202	Resp:	2386571
Ion Ratio	Lower	Upper	
202	100		
200	22.9	17.4	26.2
203	18.8	14.6	21.8



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





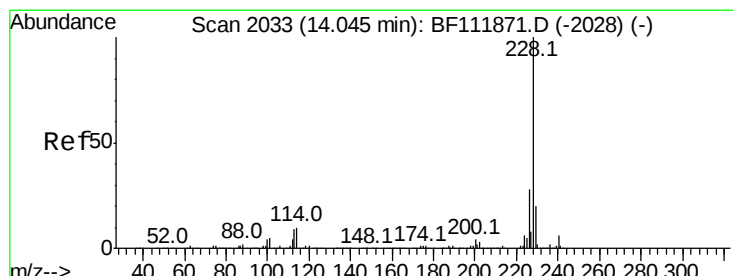
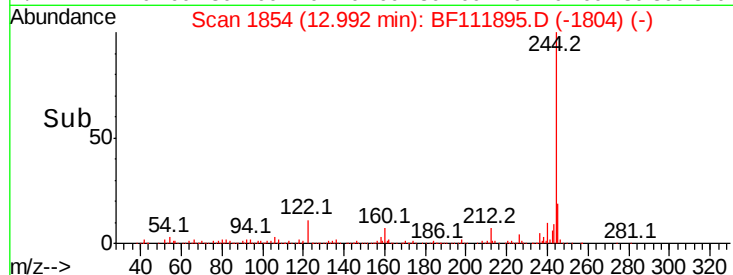
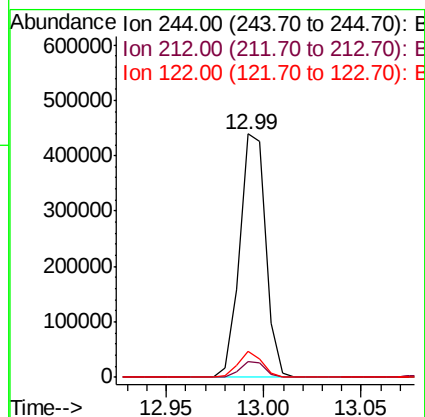
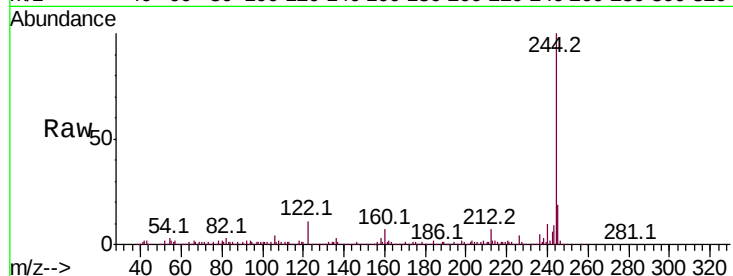
#79
 Terphenyl-d14
 Concen: 20.059 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF111895.D
 Acq: 7 Jan 2019 23:47

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-010419

Tot Ion:244	Resp:	406516
Ion Ratio	Lower	Upper
244 100		
212 6.7	5.8	8.8
122 10.6	9.5	14.3

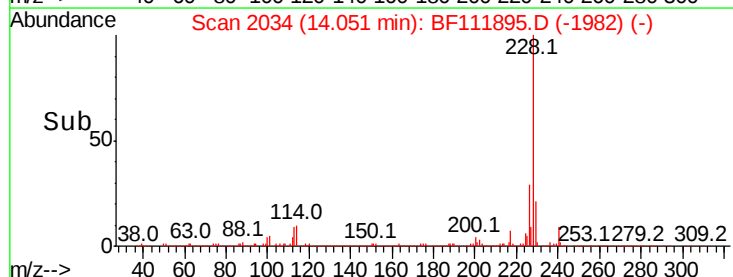
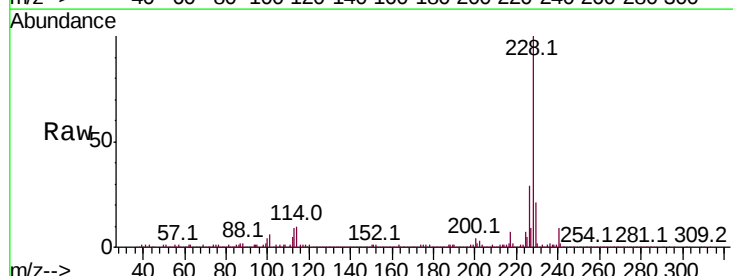
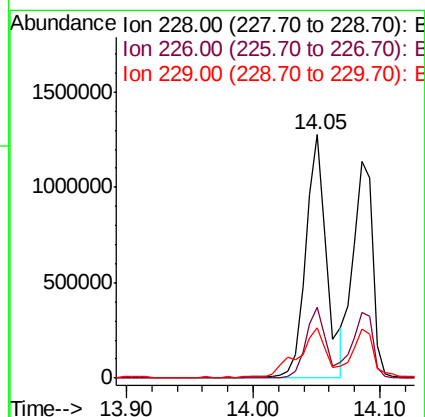
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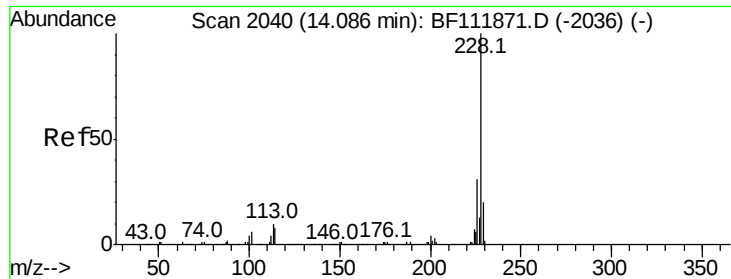
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#81
 Benzo(a)anthracene
 Concen: 65.695 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.01 min
 Lab File: BF111895.D
 Acq: 7 Jan 2019 23:47

Tgt Ion:228	Resp:	1454486
Ion Ratio	Lower	Upper
228 100		
226 29.1	22.2	33.2
229 20.9	16.2	24.2





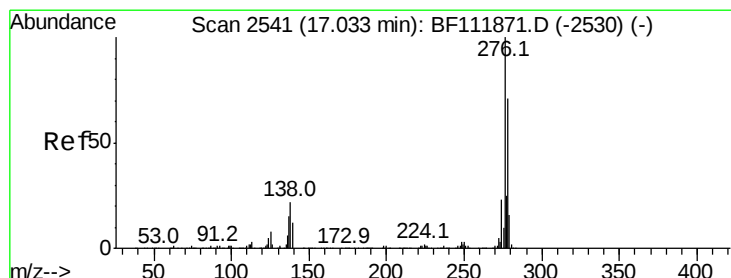
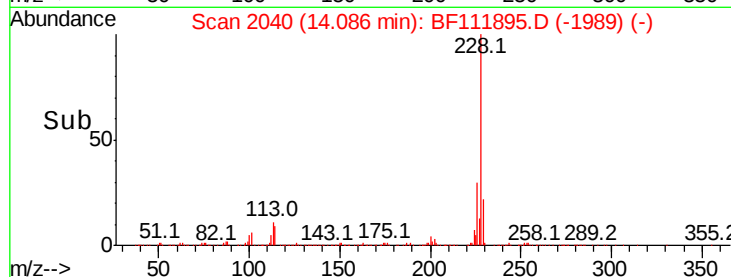
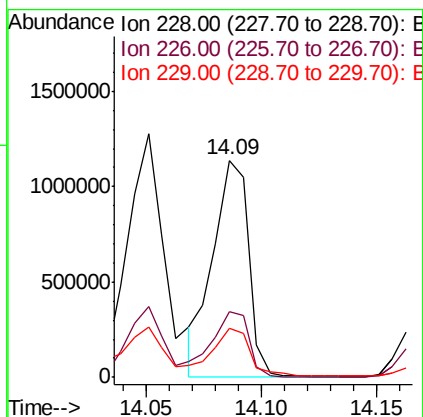
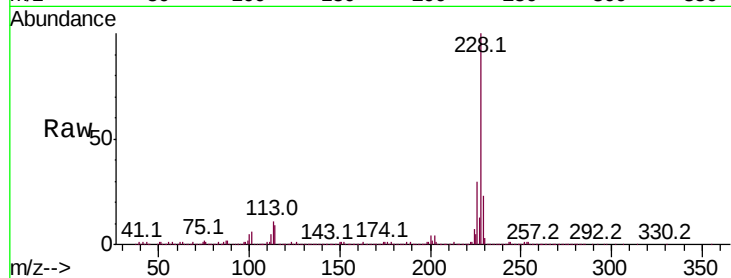
#83
Chrysene
Concen: 57.791 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.00 min
Lab File: BF111895.D
Acq: 7 Jan 2019 23:47

Instrument :
BNA_F
ClientSampleId :
OK-03-010419

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	37.0
229	22.7	15.7	23.5

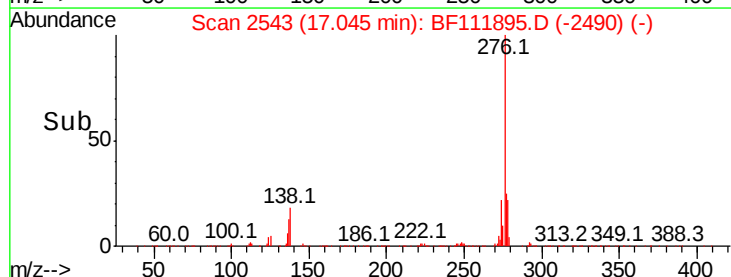
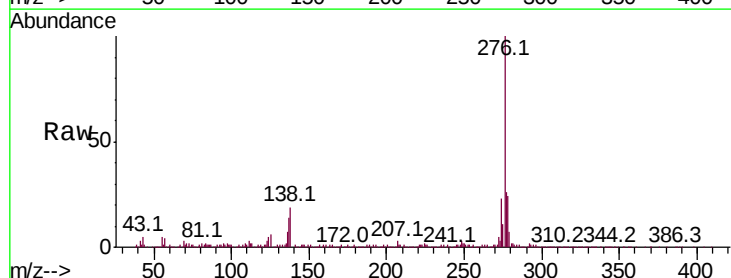
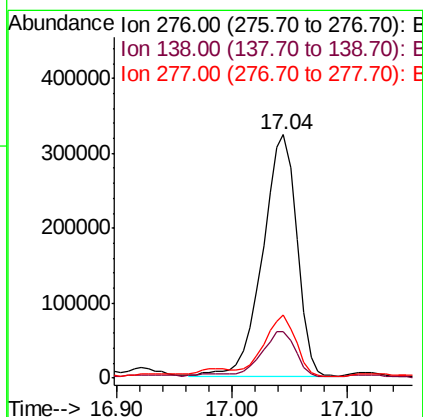
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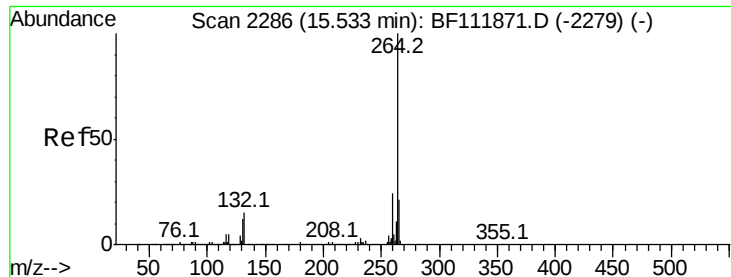
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#86
Indeno(1,2,3-cd)pyrene
Concen: 43.345 ng
RT: 17.04 min Scan# 2543
Delta R.T. 0.01 min
Lab File: BF111895.D
Acq: 7 Jan 2019 23:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.8	18.1	27.1
277	23.9	19.9	29.9





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.01 min

Lab File: BF111895.D

Acq: 7 Jan 2019 23:47

Instrument :

BNA_F

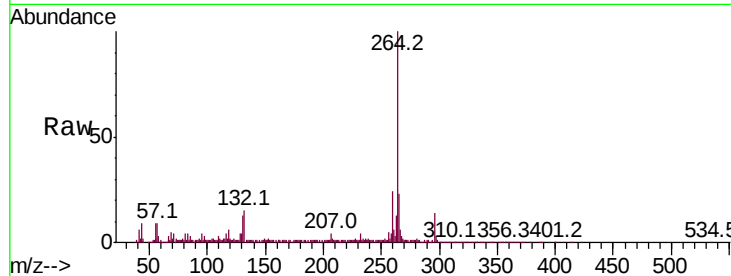
ClientSampleId :

OK-03-010419

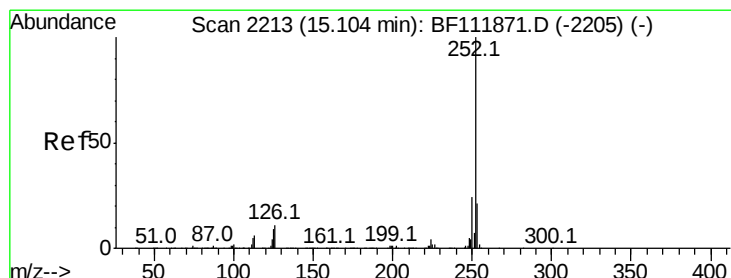
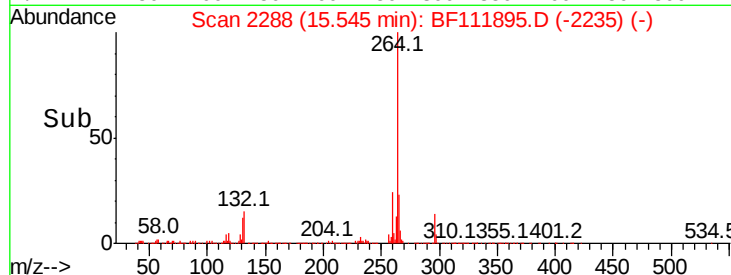
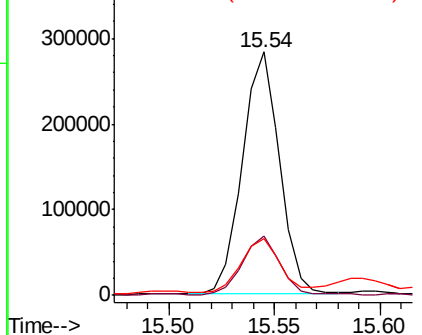
Tot Ion:	264	Resp:	345711
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	23.3	17.1	25.7

Manual Integrations
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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: 74.664 ng m

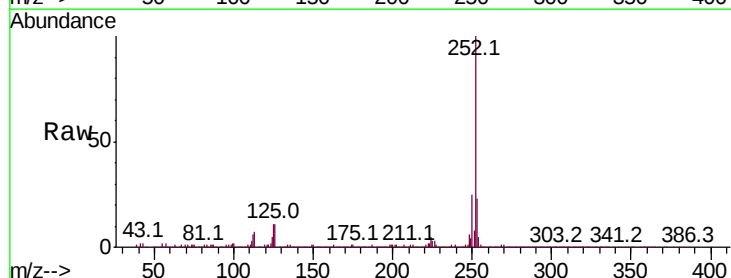
RT: 15.12 min Scan# 2215

Delta R.T. 0.01 min

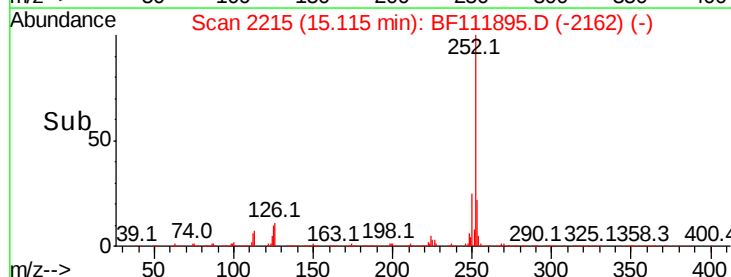
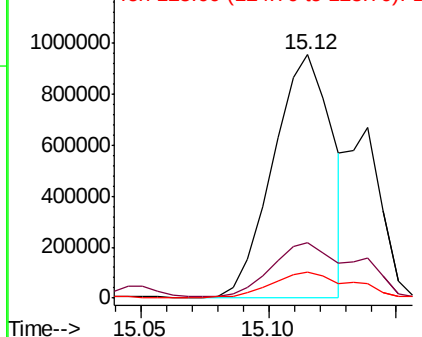
Lab File: BF111895.D

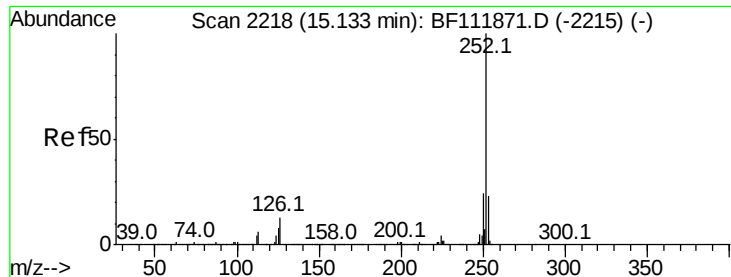
Acq: 7 Jan 2019 23:47

Tgt Ion:	252	Resp:	1544071
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.0	25.6
125	10.8	7.1	10.7#



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





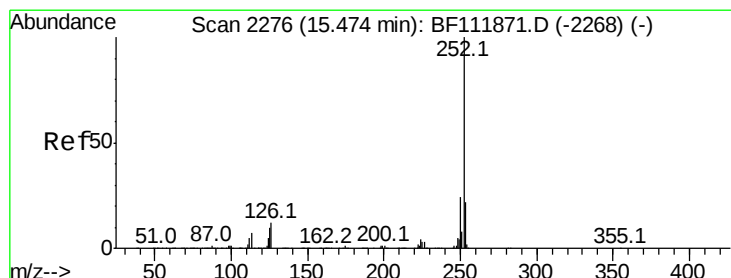
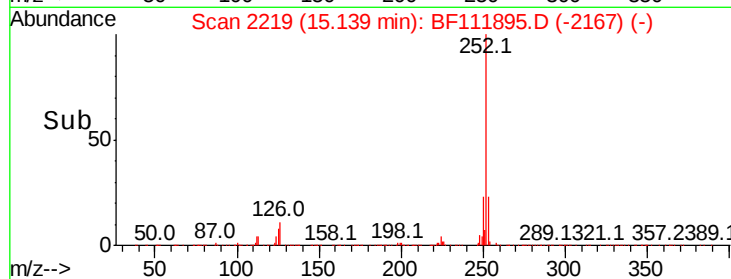
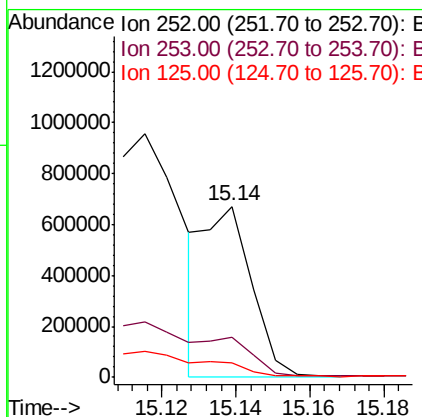
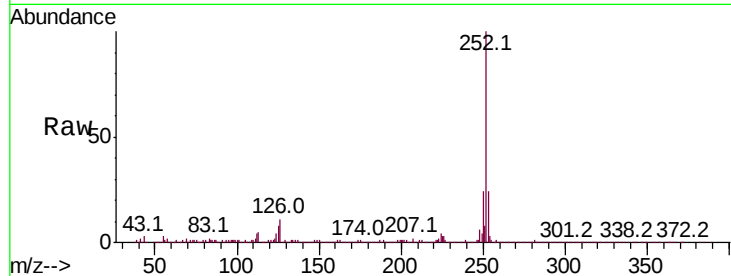
#89
Benzo(k)fluoranthene
Concen: 30.573 ng m
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF111895.D
Acq: 7 Jan 2019 23:47

Instrument :
BNA_F
ClientSampleId :
OK-03-010419

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	8.2	7.0	10.4

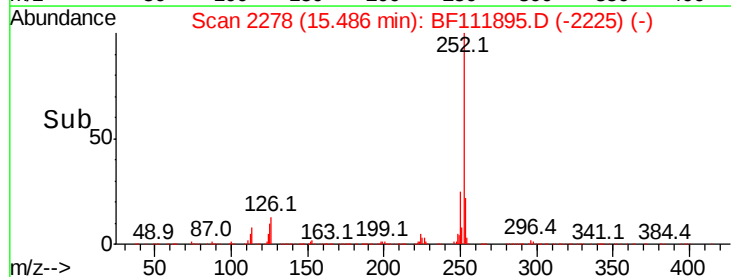
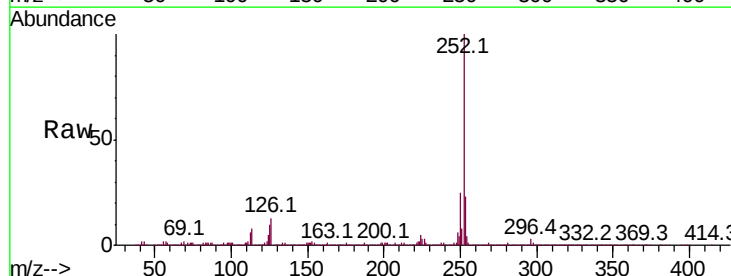
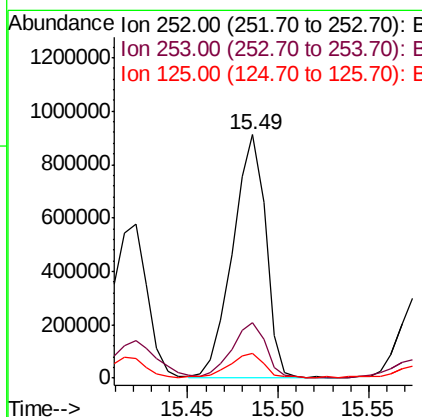
Manual Integrations
APPROVED

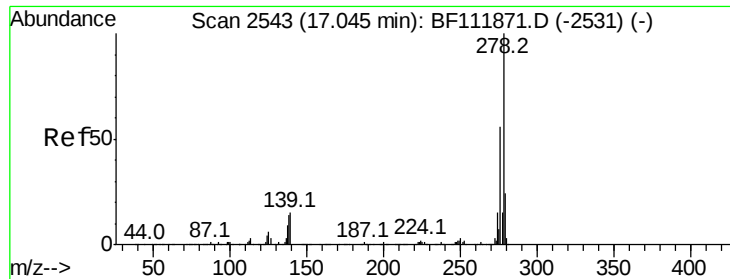
Sohil
1/8/2019 11:20:49 AM



#90
Benzo(a)pyrene
Concen: 63.089 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF111895.D
Acq: 7 Jan 2019 23:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	10.4	7.9	11.9





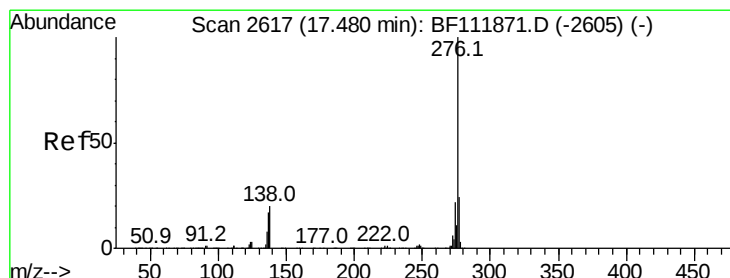
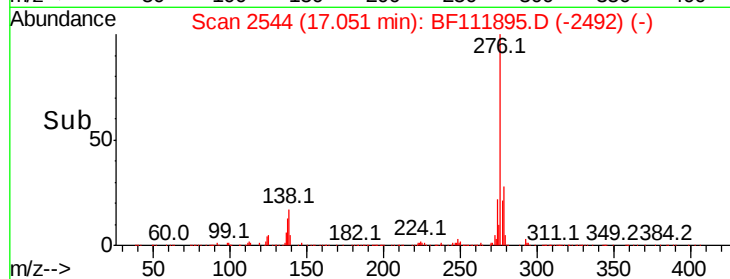
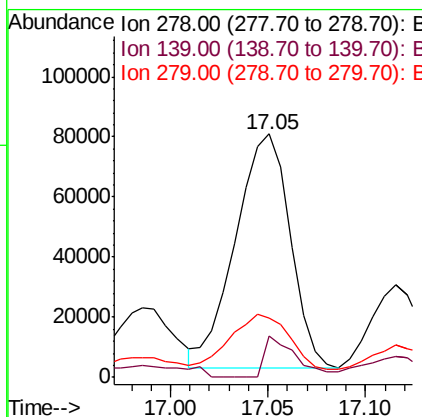
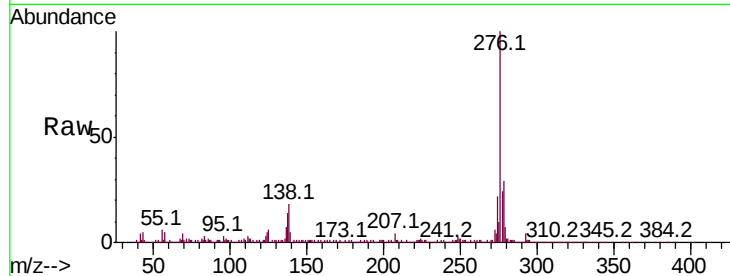
#91
Dibenzo(a,h)anthracene
Concen: 10.350 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.01 min
Lab File: BF111895.D
Acq: 7 Jan 2019 23:47

Instrument :
BNA_F
ClientSampleId :
OK-03-010419

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.1	11.8	17.6
279	24.1	19.4	29.2

Manual Integrations
APPROVED

Sohil
1/8/2019 11:20:49 AM



#92
Benzo(g,h,i)perylene
Concen: 42.962 ng
RT: 17.50 min Scan# 2620
Delta R.T. 0.02 min
Lab File: BF111895.D
Acq: 7 Jan 2019 23:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.6
138	19.2	16.2	24.2

