

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
 Data File : BF113697.D
 Acq On : 10 Apr 2019 15:31
 Operator : JU/SJ
 Sample : K2199-05 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-040819-A

Manual Integrations
 APPROVED

Sohil
 4/11/2019 2:39:33 PM

Quant Time: Apr 11 01:57:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	129181	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	505603	20.00	ng	-0.01
39) Acenaphthene-d10	9.71	164	243067	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	437245	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	329247	20.00	ng	-0.02
87) Perylene-d12	15.23	264	331994	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	320724	42.34	ng	0.00
7) Phenol-d6	6.33	99	439733	47.10	ng	-0.01
23) Nitrobenzene-d5	7.24	82	247469	28.67	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	104375	35.75	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	459570	30.44	ng	-0.02
79) Terphenyl-d14	12.77	244	377167	23.32	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.98	128	116734	4.765	ng	99
37) 2-Methylnaphthalene	8.67	142	59922	3.719	ng	98
38) 1-Methylnaphthalene	8.77	142	50121	3.226	ng	98
49) Acenaphthylene	9.57	152	56407	2.284	ng	# 97
50) Dimethylphthalate	9.43	163	51511	2.875	ng	99
52) Acenaphthene	9.74	154	122071	8.636	ng	99
55) Dibenzofuran	9.92	168	133722	6.449	ng	94
58) Fluorene	10.26	166	197888	12.066	ng	99
71) Phenanthrene	11.22	178	1308093	60.206	ng	100
72) Anthracene	11.27	178	447170	20.229	ng	99
73) Carbazole	11.43	167	71600	3.463	ng	99
75) Fluoranthene	12.40	202	1409455	60.538	ng	99
78) Pvrene	12.63	202	1301317	51.945	ng	99
81) Benzo(a)anthracene	13.82	228	674702	35.524	ng	98
83) Chrysene	13.85	228	570021	29.606	ng	98
86) Indeno(1,2,3-cd)pyrene	16.60	276	256840	14.448	ng	95
88) Benzo(b)fluoranthene	14.84	252	751693m	36.989	ng	
89) Benzo(k)fluoranthene	14.86	252	190765m	10.459	ng	
90) Benzo(a)pvrene	15.18	252	533843	29.562	ng	98
91) Dibenzo(a,h)anthracene	16.59	278	69089m	4.091	ng	
92) Benzo(g,h,i)perylene	17.00	276	238693	13.848	ng	99

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

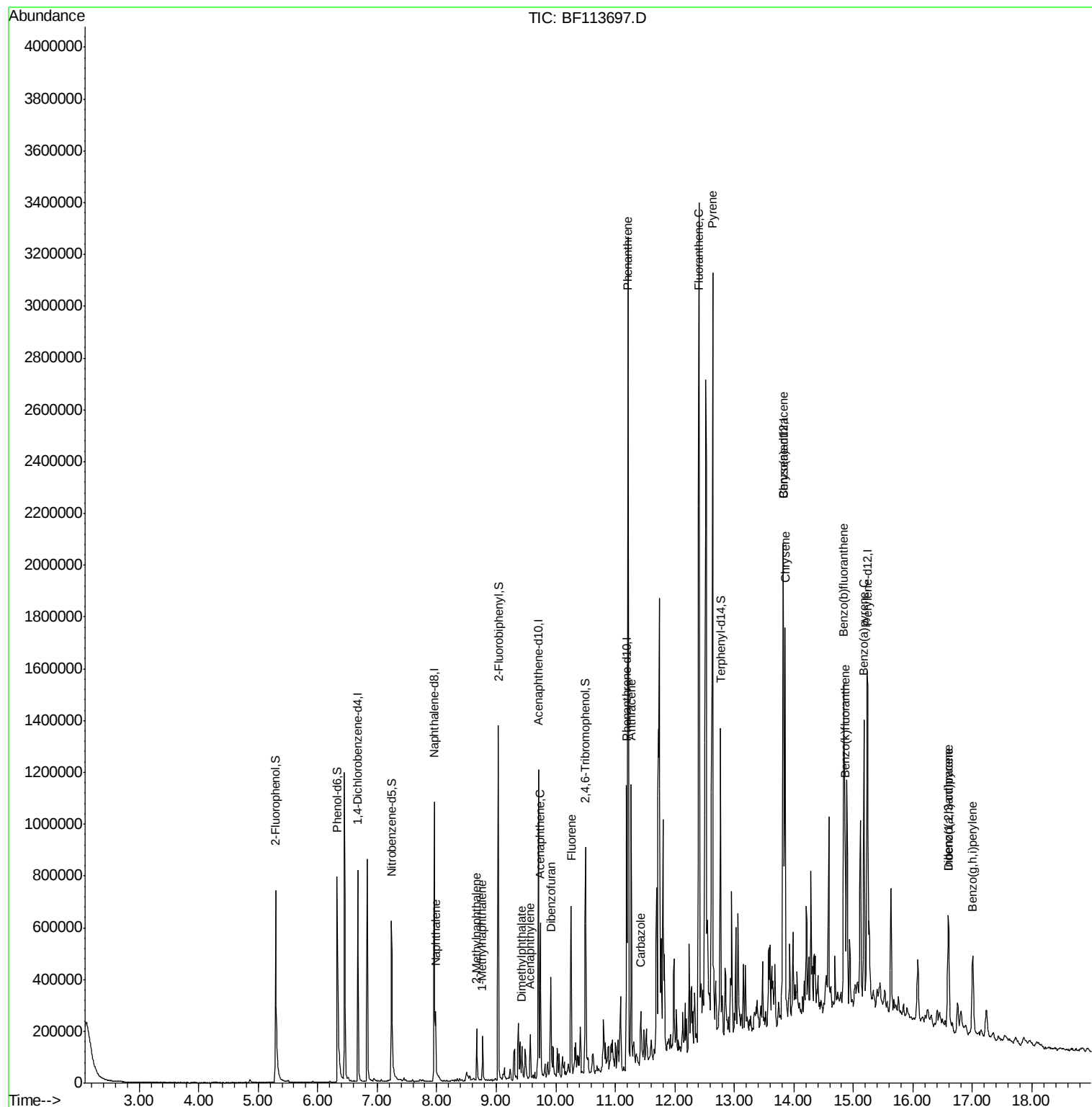
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
Data File : BF113697.D
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Misc :
ALS Vial : 3 Sample Multiplier: 1

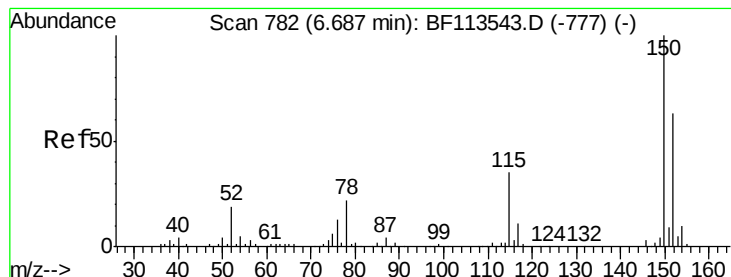
Instrument :
BNA_F
ClientSampleId :
OR-03-040819-A

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
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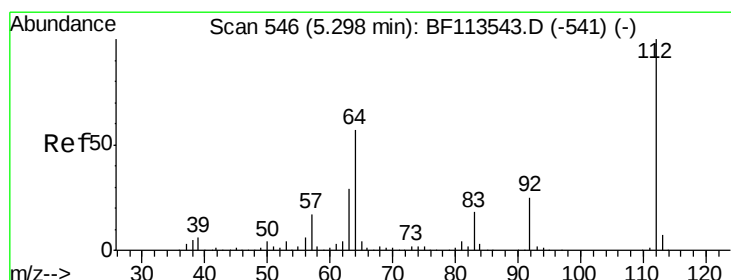
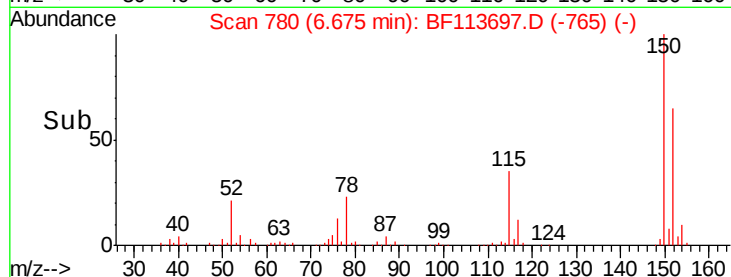
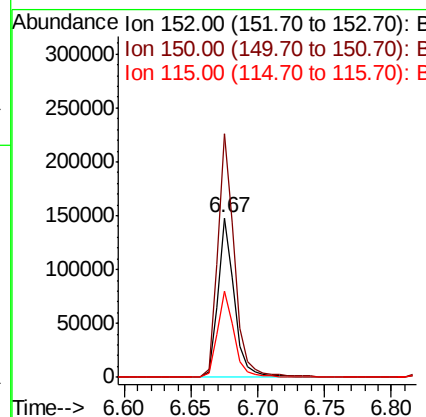
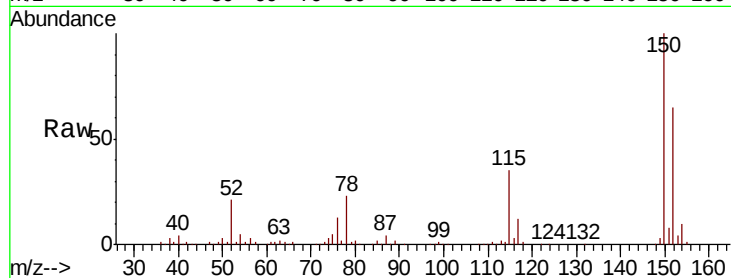
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.67 min Scan# 780
 Delta R.T. -0.01 min
 Lab File: BF113697.D
 Acq: 10 Apr 2019 15:31

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-040819-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	124.7	187.1
115	53.7	46.0	69.0

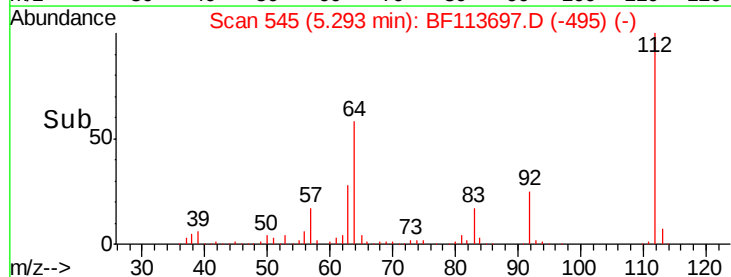
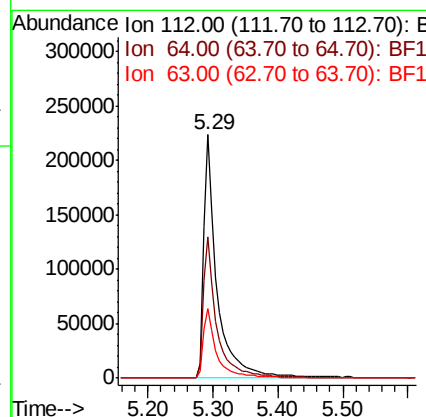
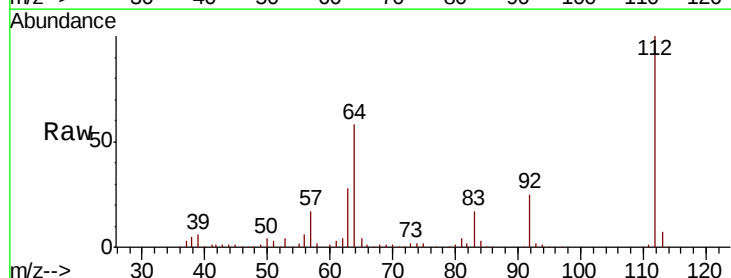
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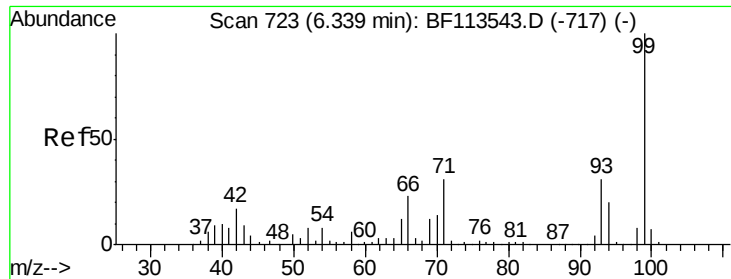
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#5
 2-Fluorophenol
 Concen: 42.337 ng
 RT: 5.29 min Scan# 545
 Delta R.T. -0.01 min
 Lab File: BF113697.D
 Acq: 10 Apr 2019 15:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	49.2	73.8
63	28.5	24.9	37.3





#7

Phenol-d6

Concen: 47.096 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113697.D

Acq: 10 Apr 2019 15:31

Instrument :

BNA_F

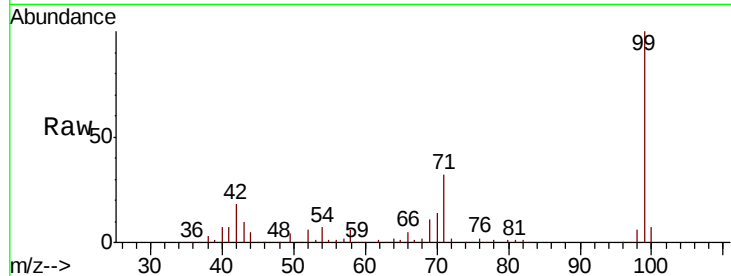
ClientSampleId :

OR-03-040819-A

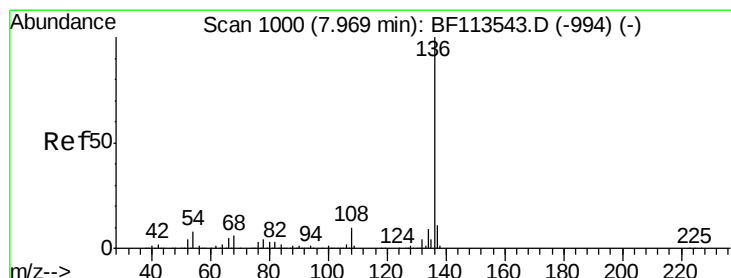
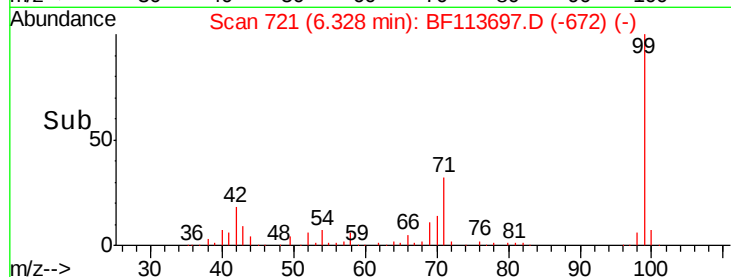
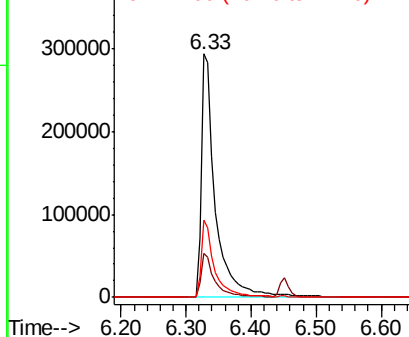
Tot Ion:	99	Resp:	439733
Ion Ratio	Lower	Upper	
99	100		
42	18.2	14.8	22.2
71	31.8	24.9	37.3

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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: 7.96 min Scan# 998

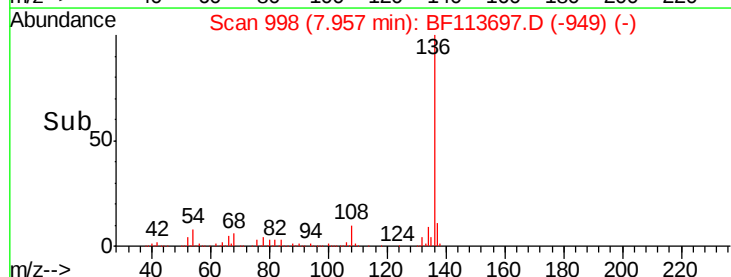
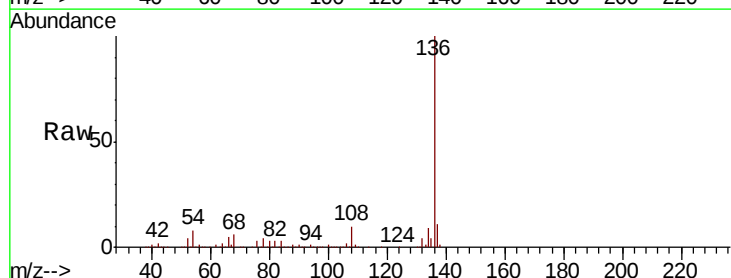
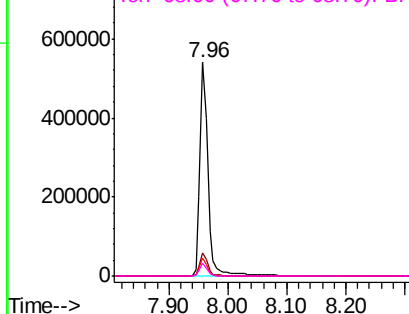
Delta R.T. -0.01 min

Lab File: BF113697.D

Acq: 10 Apr 2019 15:31

Tgt Ion:	136	Resp:	505603
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.4	7.0	10.6
68	6.0	4.8	7.2

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





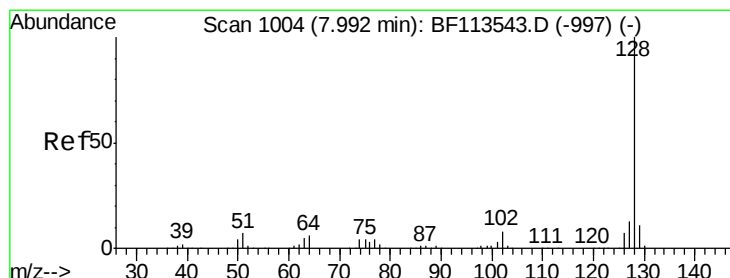
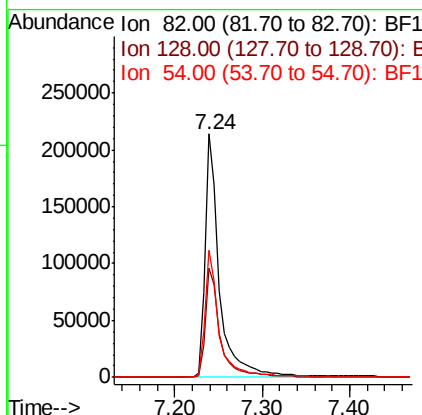
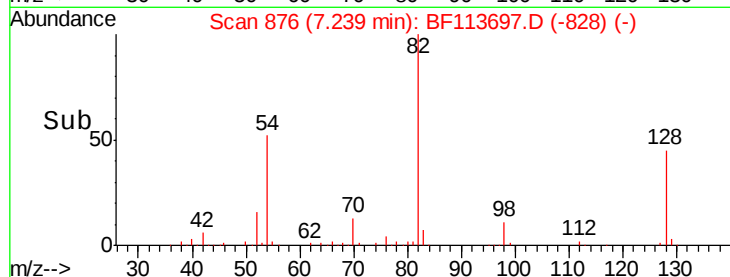
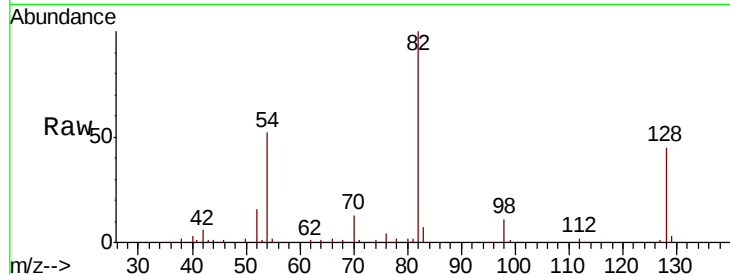
#23
 Nitrobenzene-d5
 Concen: 28.670 ng
 RT: 7.24 min Scan# 876
 Delta R.T. -0.02 min
 Lab File: BF113697.D
 Acq: 10 Apr 2019 15:31

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-040819-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.5	54.7
54	52.4	42.2	63.2

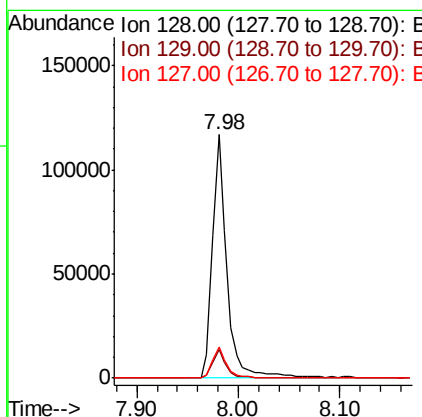
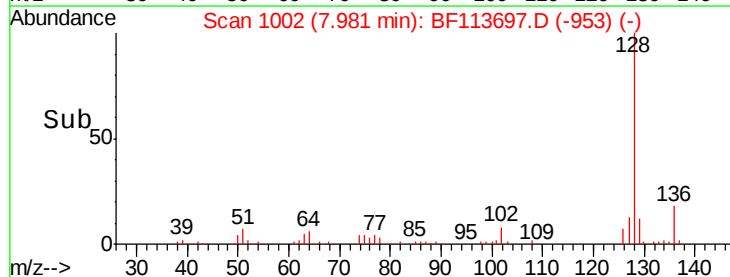
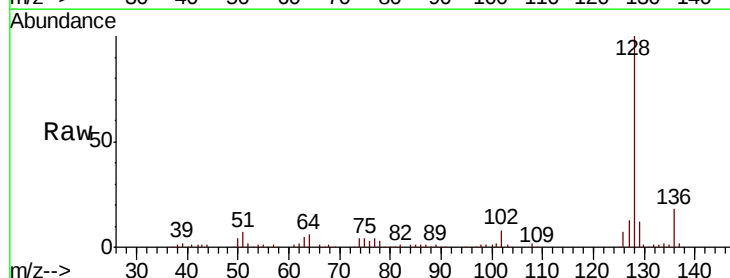
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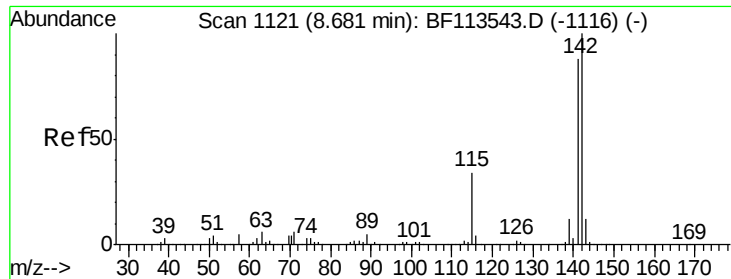
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#31
 Naphthalene
 Concen: 4.765 ng
 RT: 7.98 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BF113697.D
 Acq: 10 Apr 2019 15:31

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.3	13.9
127	12.6	10.9	16.3





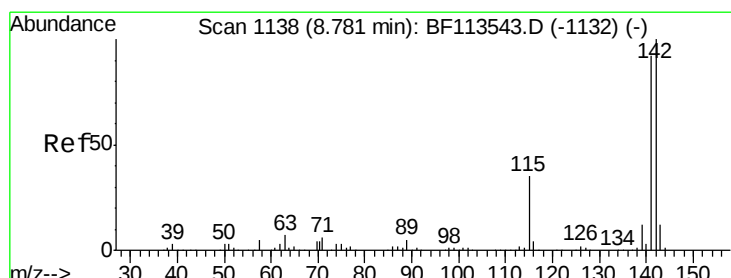
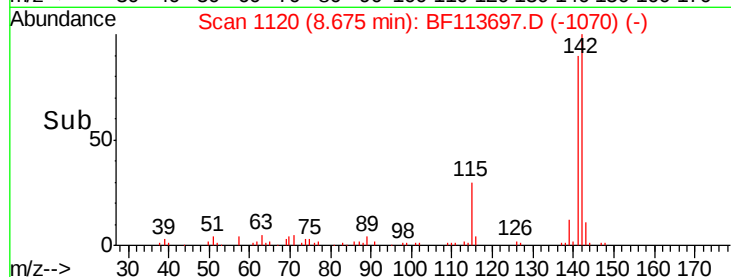
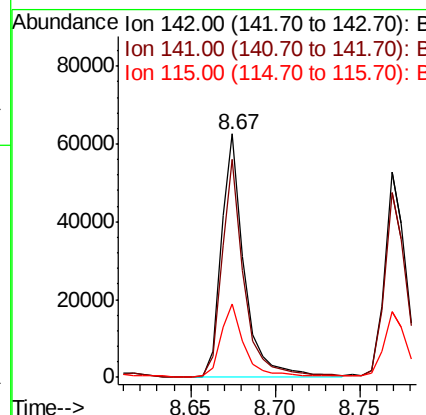
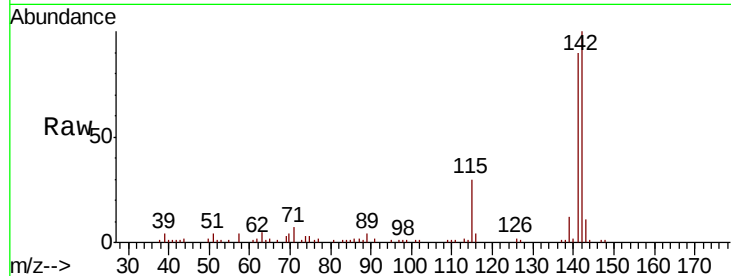
#37
2-Methylnaphthalene
Concen: 3.719 ng
RT: 8.67 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BF113697.D
Acq: 10 Apr 2019 15:31

Instrument :
BNA_F
ClientSampleId :
OR-03-040819-A

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.0	106.6
115	30.0	26.6	39.8

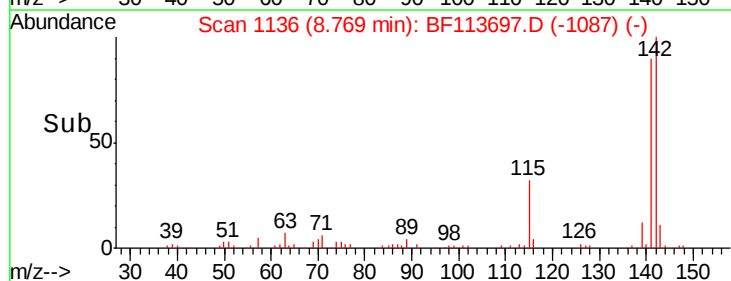
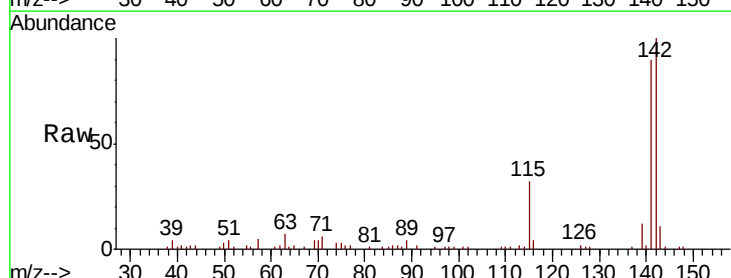
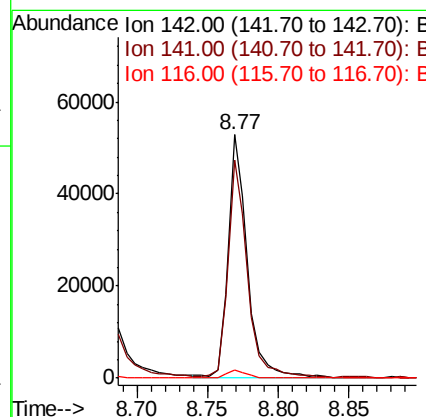
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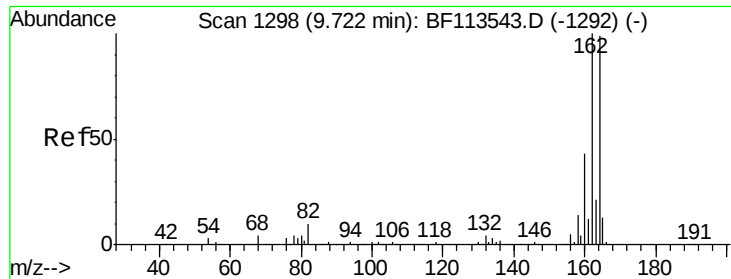
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#38
1-Methylnaphthalene
Concen: 3.226 ng
RT: 8.77 min Scan# 1136
Delta R.T. -0.01 min
Lab File: BF113697.D
Acq: 10 Apr 2019 15:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	73.2	109.8
116	3.5	3.0	4.4





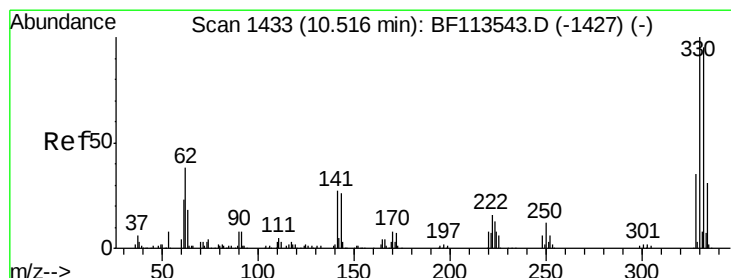
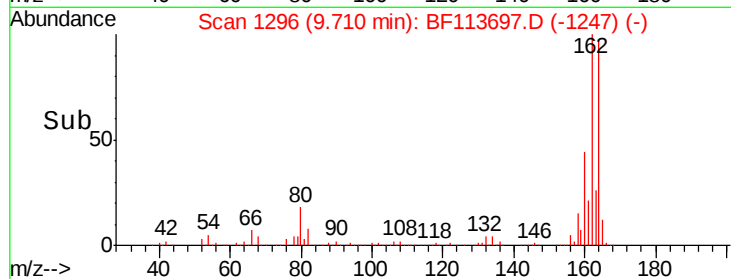
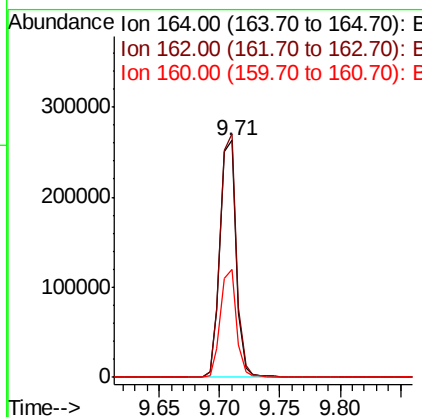
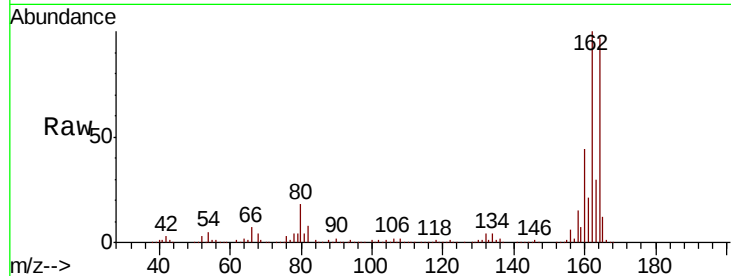
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF113697.D
Acq: 10 Apr 2019 15:31

Instrument :
BNA_F
ClientSampleId :
OR-03-040819-A

Tot Ion:	164	Resp:	243067
Ion Ratio	Lower	Upper	
164	100		
162	102.7	81.8	122.6
160	45.5	36.4	54.6

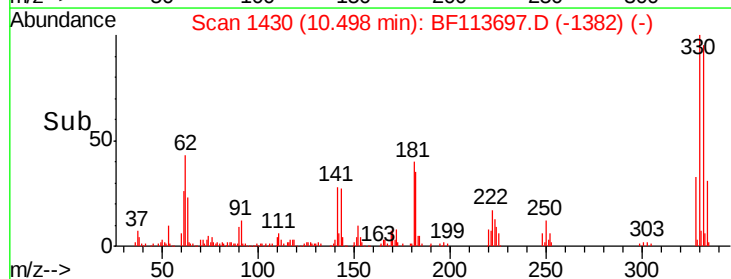
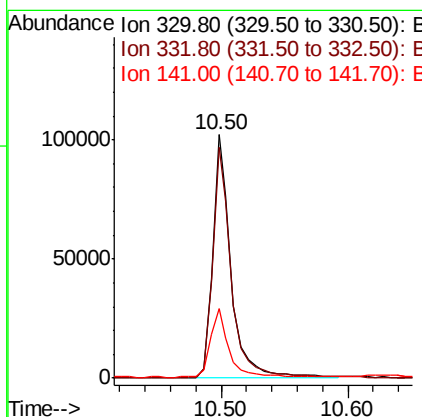
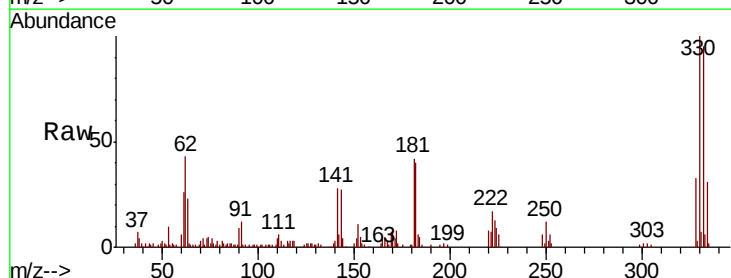
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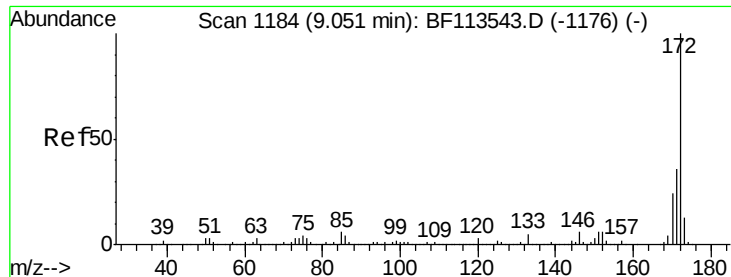
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#42
2,4,6-Tribromophenol
Concen: 35.747 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.02 min
Lab File: BF113697.D
Acq: 10 Apr 2019 15:31

Tgt Ion:	330	Resp:	104375
Ion Ratio	Lower	Upper	
330	100		
332	98.1	77.8	116.6
141	29.0	22.7	34.1





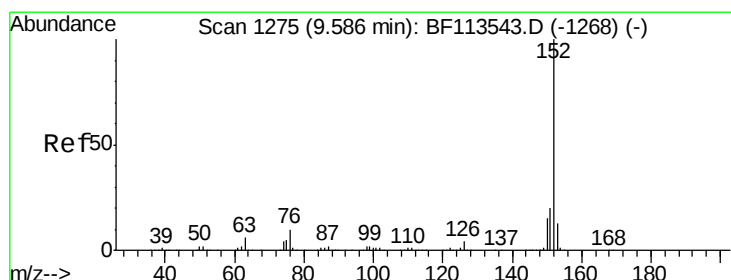
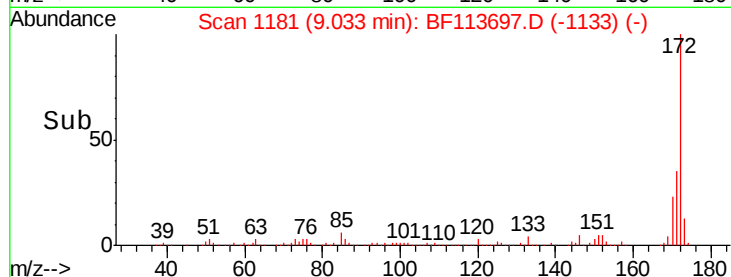
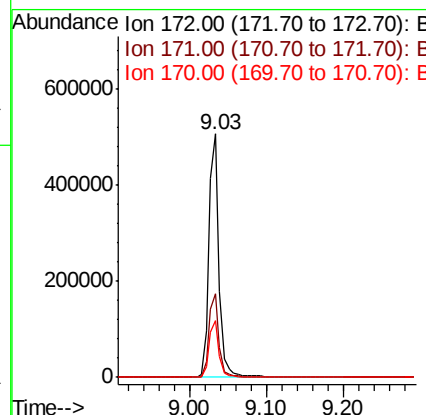
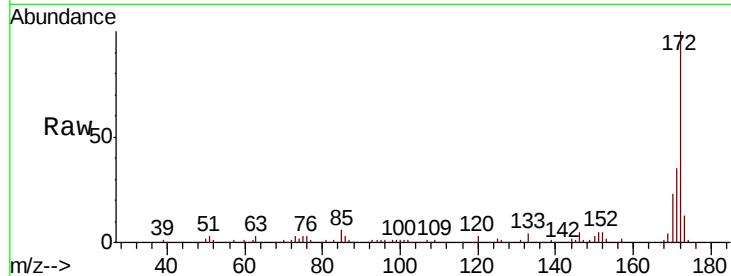
#45
2-Fluorobiphenyl
Concen: 30.438 ng
RT: 9.03 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BF113697.D
Acq: 10 Apr 2019 15:31

Instrument :
BNA_F
ClientSampleId :
OR-03-040819-A

Tot Ion	Ratio	Resp	Lower	Upper
172	100	459570		
171	34.5		29.0	43.6
170	23.3		19.5	29.3

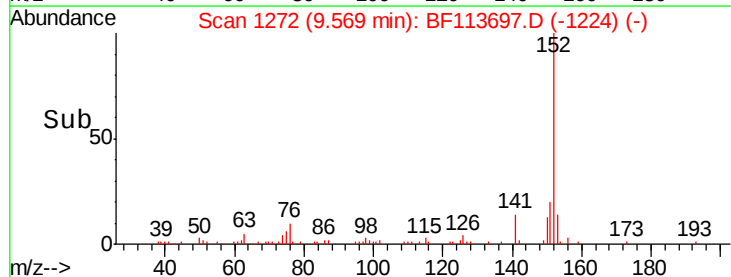
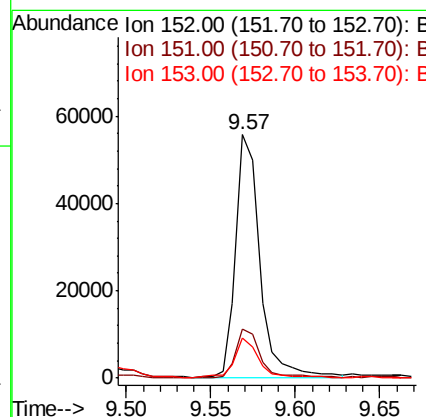
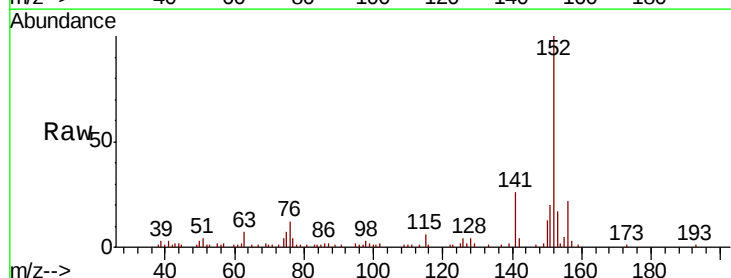
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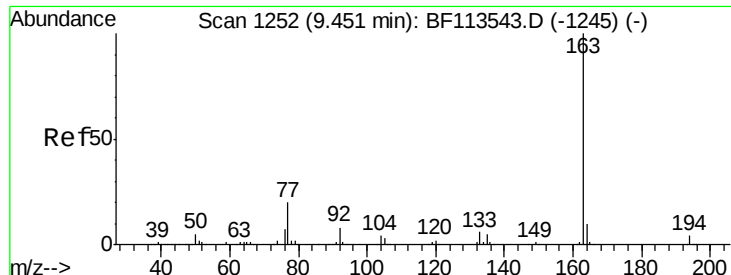
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#49
Acenaphthylene
Concen: 2.284 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF113697.D
Acq: 10 Apr 2019 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	56407		
151	20.4		16.2	24.4
153	16.6		11.0	16.6#





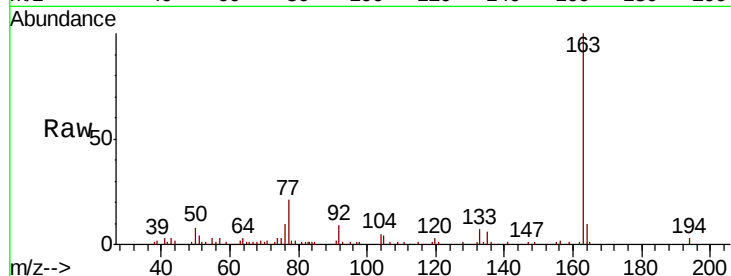
#50
Dimethylphthalate
Concen: 2.875 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF113697.D
Acq: 10 Apr 2019 15:31

Instrument :
BNA_F
ClientSampleId :
OR-03-040819-A

Tot Ion	Ratio	Resp	Lower	Upper
163	100	51511		
194	3.4		3.0	4.6
164	10.2		8.1	12.1

Manual Integrations
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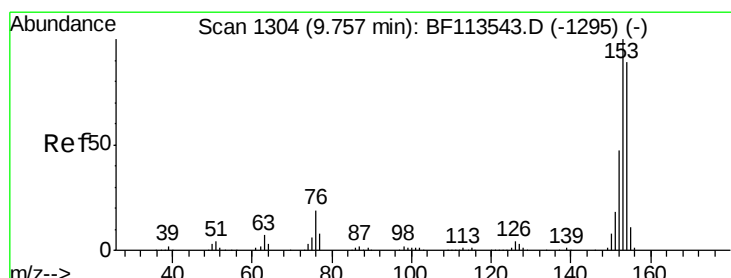
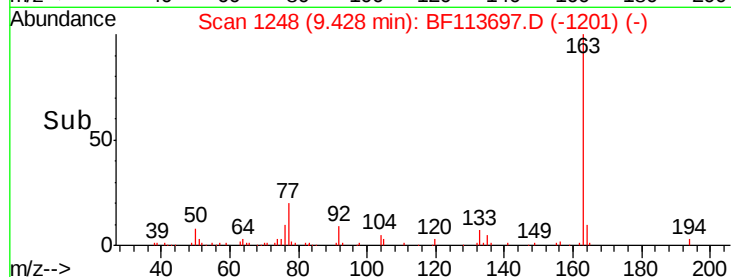
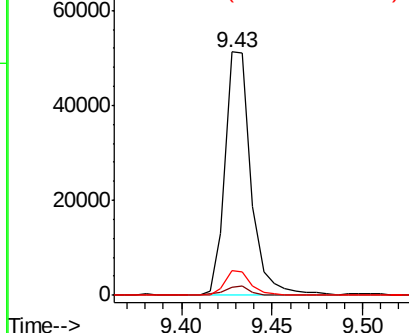


Abundance

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: 8.636 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF113697.D
Acq: 10 Apr 2019 15:31

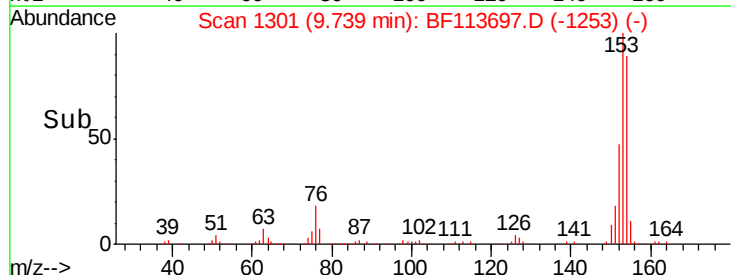
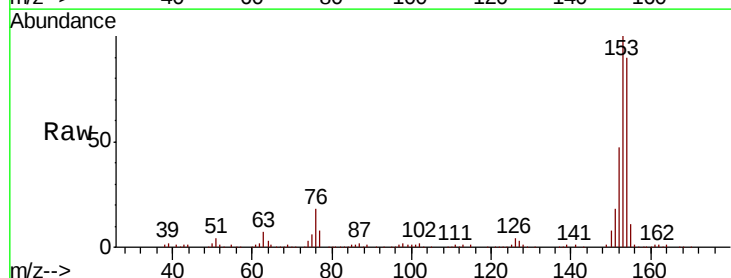
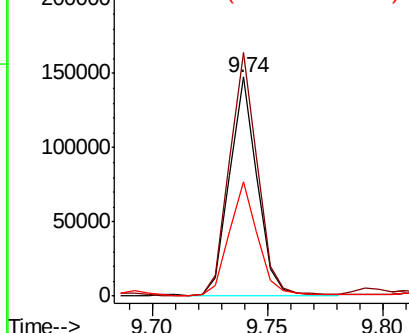
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	122071		
153	111.3		89.5	134.3
152	52.4		43.3	64.9

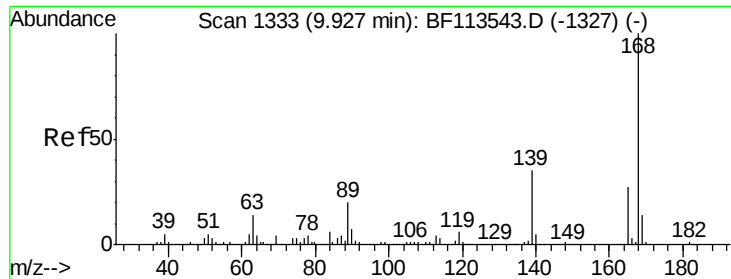
Abundance

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





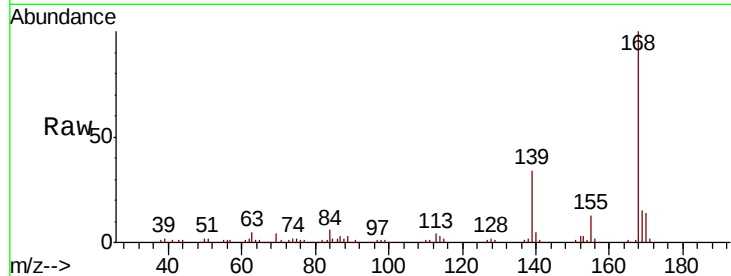
#55
Dibenzenofuran
Concen: 6.449 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF113697.D
Acq: 10 Apr 2019 15:31

Instrument :
BNA_F
ClientSampleId :
OR-03-040819-A

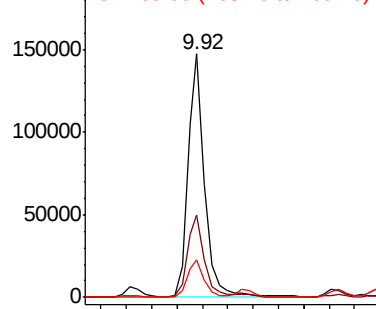
Tot Ion	Ratio	Lower	Upper
168	100		
139	33.6	29.7	44.5
169	15.5	10.7	16.1

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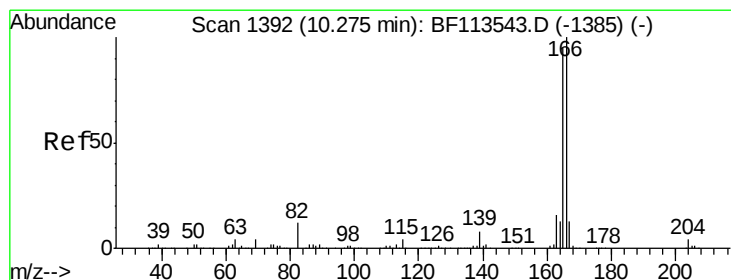
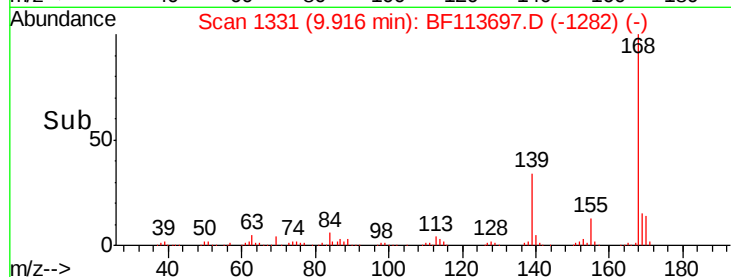
Sohil
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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

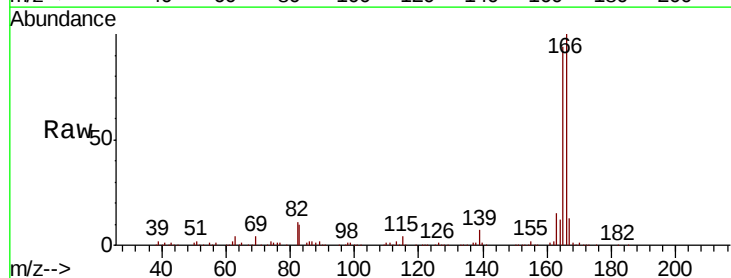


Time-->

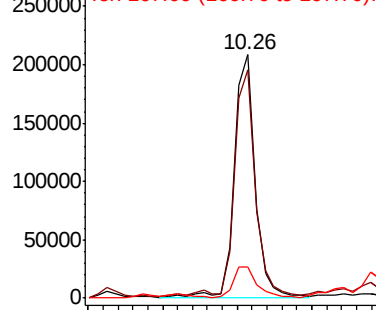


#58
Fluorene
Concen: 12.066 ng
RT: 10.26 min Scan# 1389
Delta R.T. -0.02 min
Lab File: BF113697.D
Acq: 10 Apr 2019 15:31

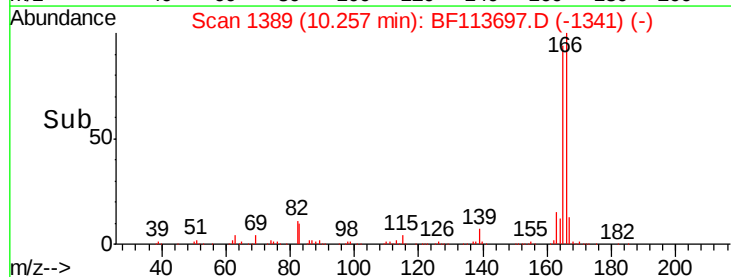
Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.7	76.2	114.2
167	12.9	10.7	16.1

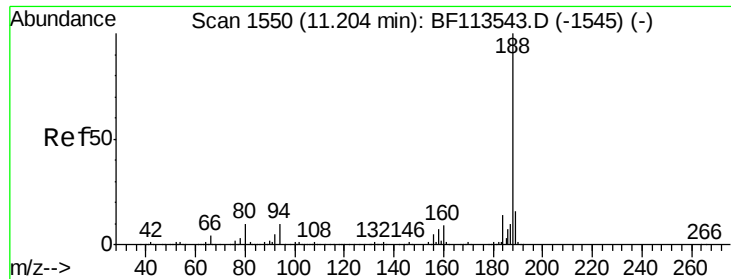


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



Time-->





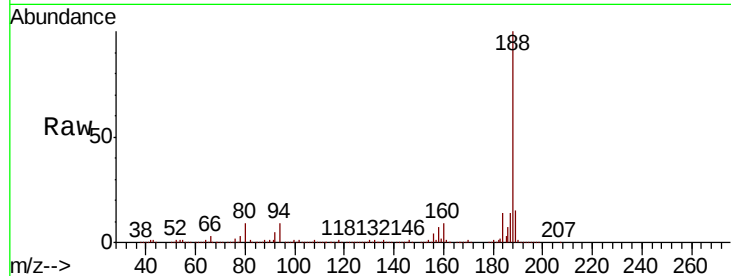
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF113697.D
Acq: 10 Apr 2019 15:31

Instrument :
BNA_F
ClientSampleId :
OR-03-040819-A

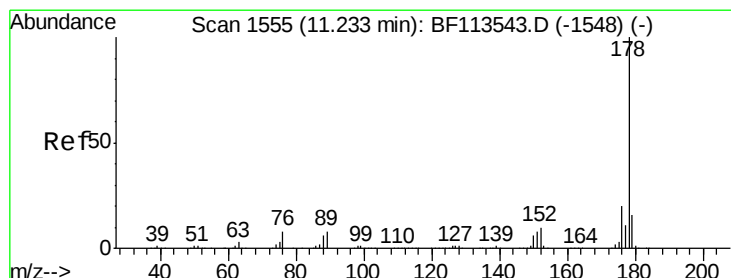
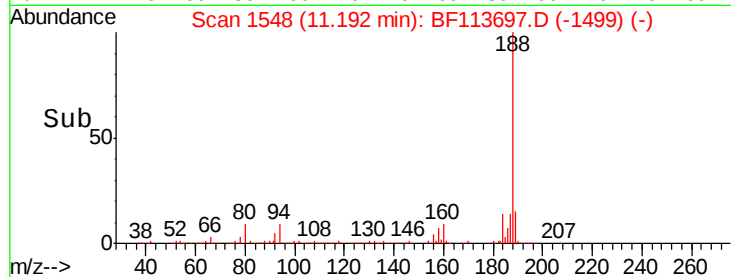
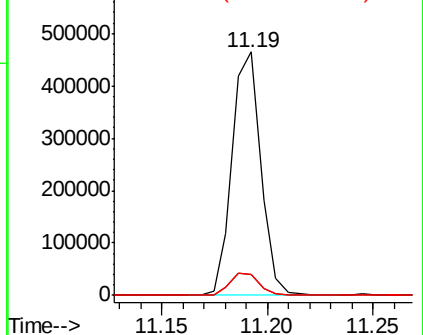
Tot Ion:188	Resp:	437245
Ion Ratio	Lower	Upper
188 100		
94 8.6	7.0	10.6
80 8.6	7.7	11.5

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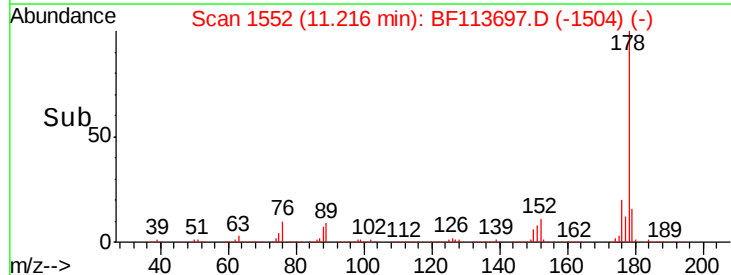
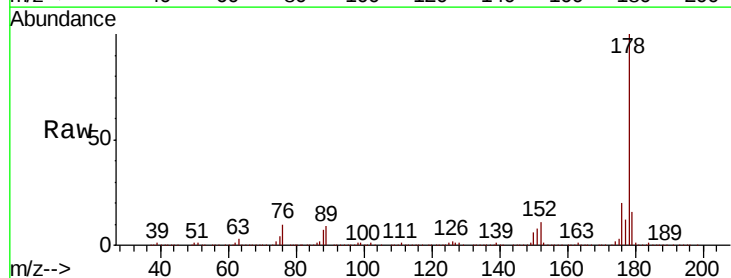
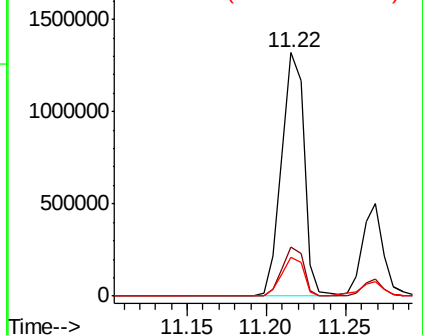
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

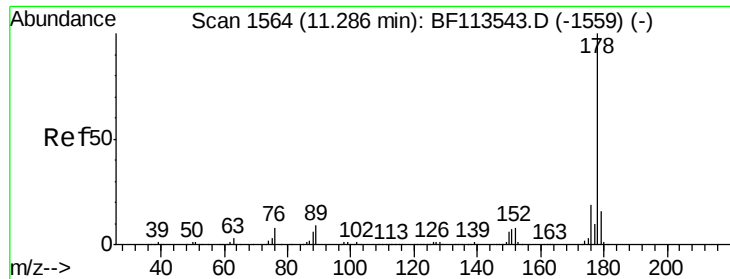


#71
Phenanthrene
Concen: 60.206 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.02 min
Lab File: BF113697.D
Acq: 10 Apr 2019 15:31

Tgt Ion:178	Resp:	1308093
Ion Ratio	Lower	Upper
178 100		
176 20.1	16.2	24.2
179 16.2	12.7	19.1

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





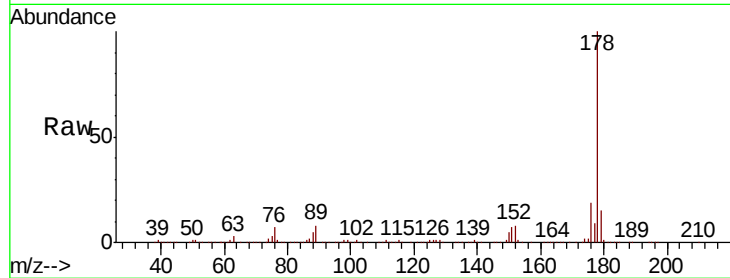
#72
 Anthracene
 Concen: 20.229 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.02 min
 Lab File: BF113697.D
 Acq: 10 Apr 2019 15:31

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-040819-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.4	12.8	19.2

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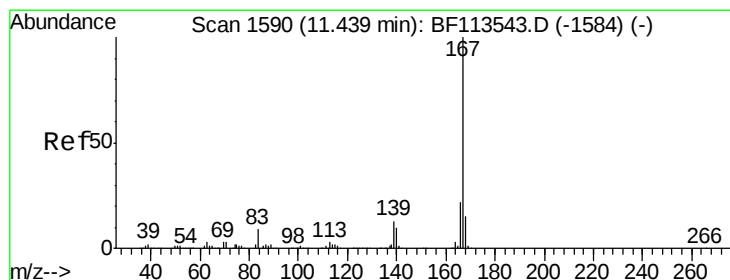
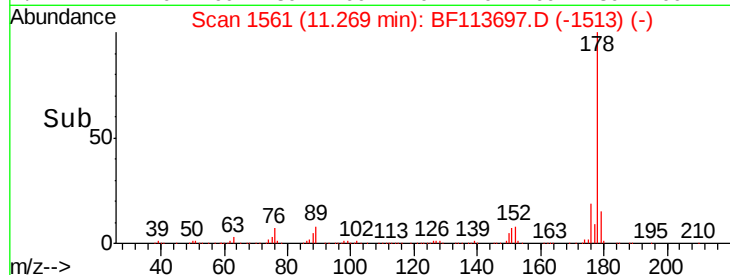
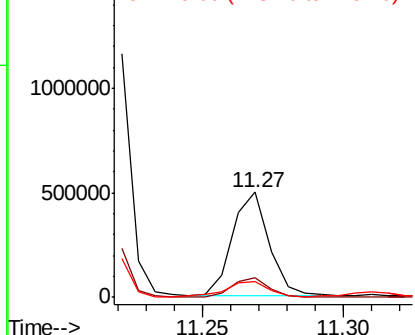


Abundance

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: 3.463 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF113697.D
 Acq: 10 Apr 2019 15:31

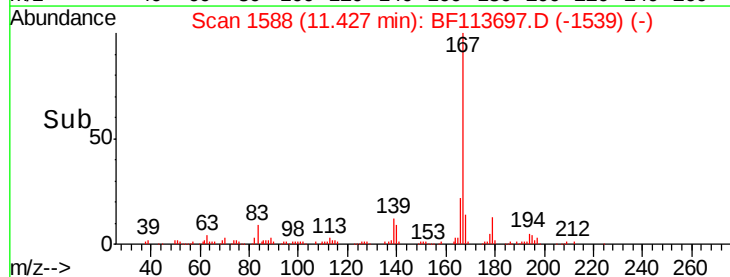
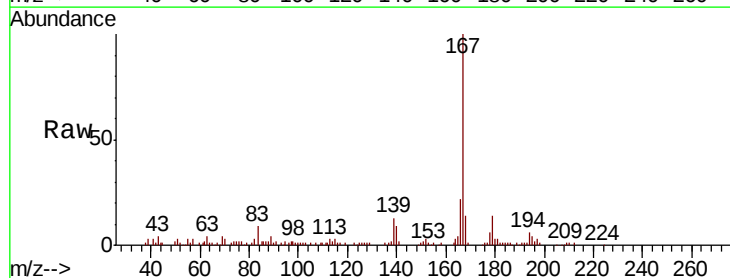
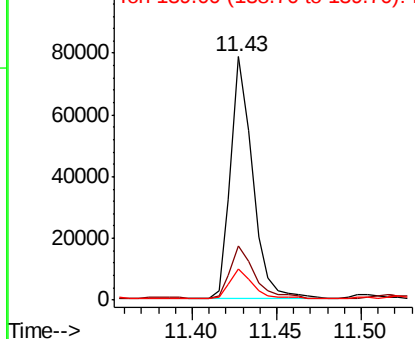
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.4	26.0
139	12.7	10.4	15.6

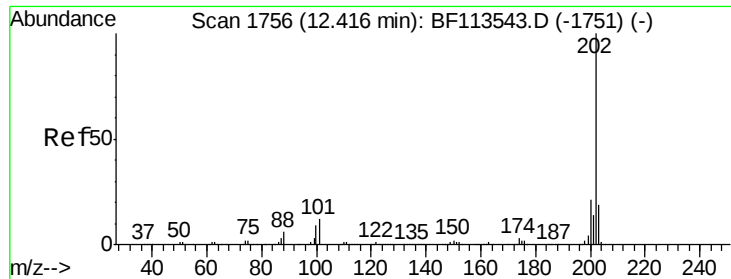
Abundance

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: 60.538 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113697.D

Acq: 10 Apr 2019 15:31

Instrument :

BNA_F

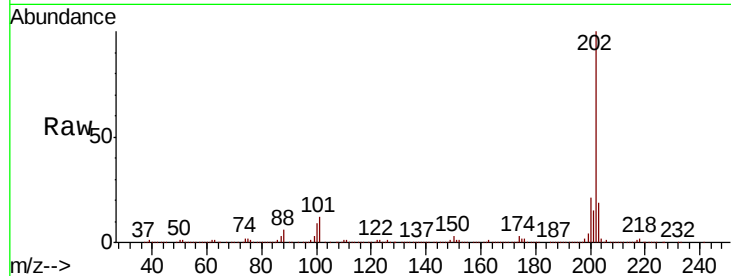
ClientSampleId :

OR-03-040819-A

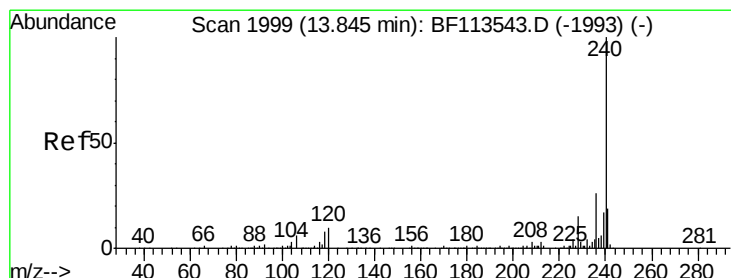
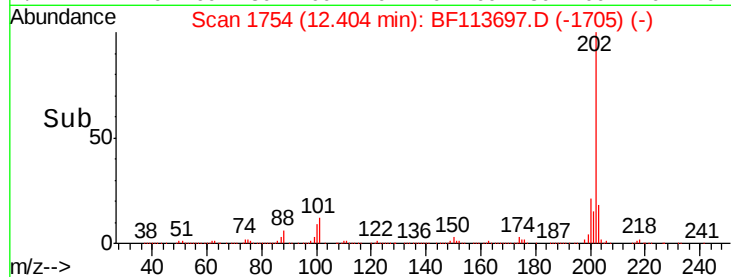
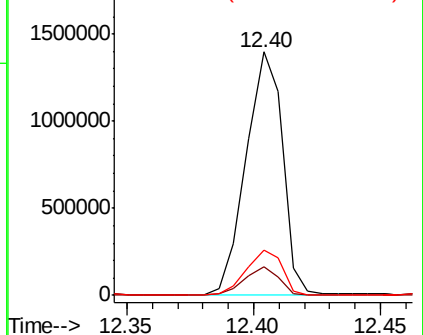
Tot Ion:	202	Resp:	1409455
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	31.4
203	18.5	0.0	38.0

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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

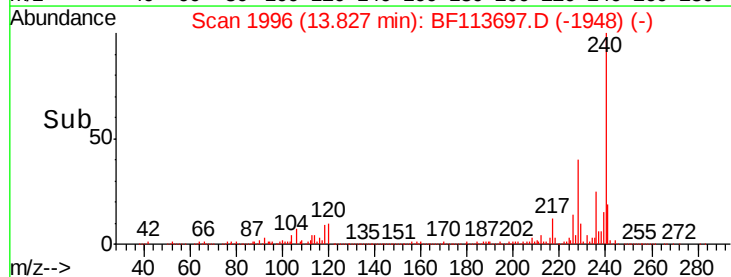
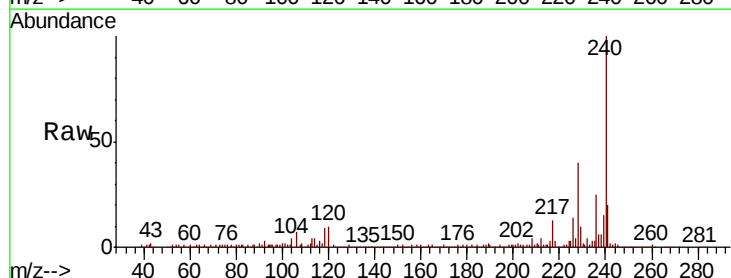
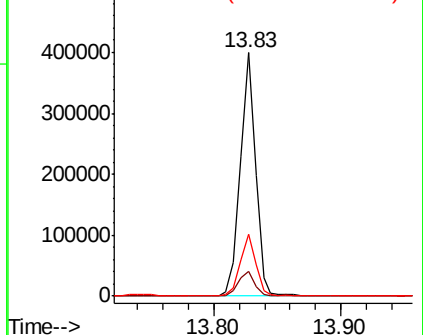
Delta R.T. -0.02 min

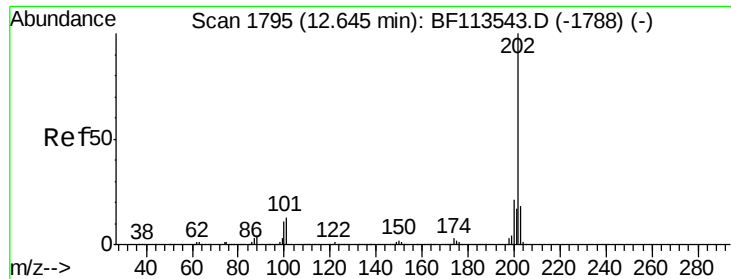
Lab File: BF113697.D

Acq: 10 Apr 2019 15:31

Tgt Ion:	240	Resp:	329247
Ion Ratio	Lower	Upper	
240	100		
120	10.4	8.8	13.2
236	25.5	20.9	31.3

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





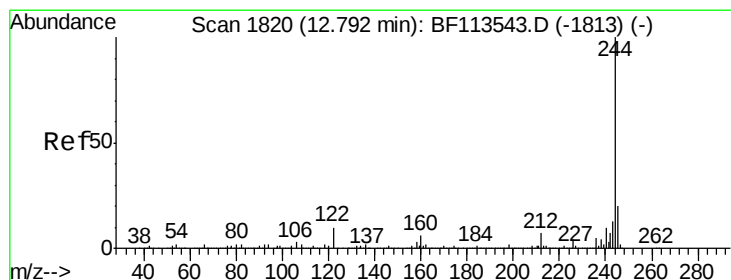
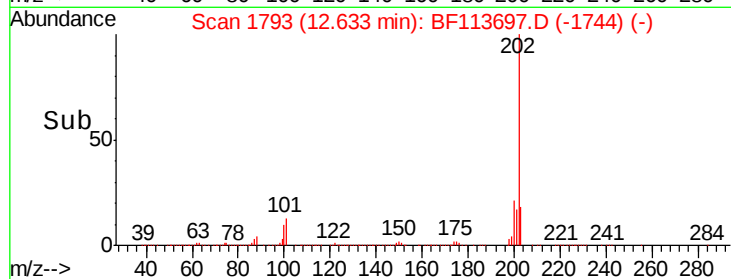
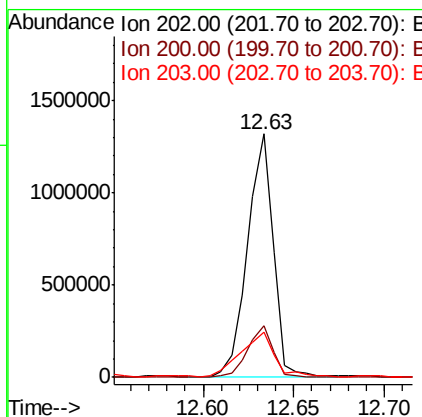
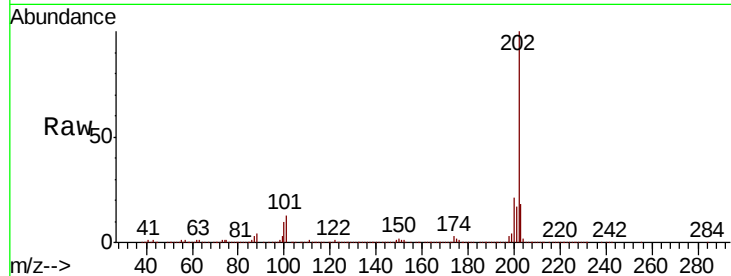
#78
Pvrene
Concen: 51.945 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF113697.D
Acq: 10 Apr 2019 15:31

Instrument :
BNA_F
ClientSampleId :
OR-03-040819-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	18.5	14.4	21.6

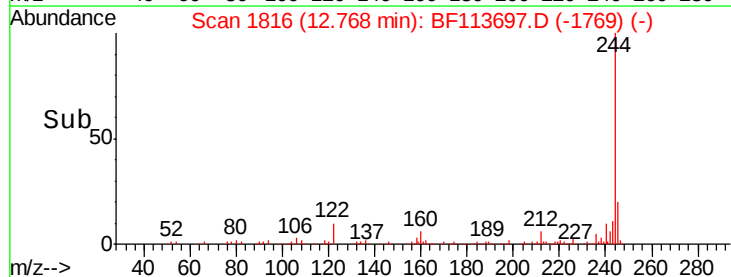
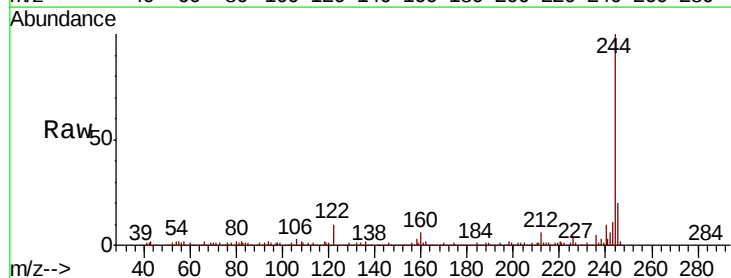
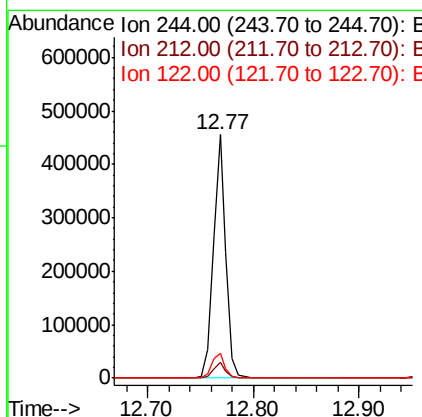
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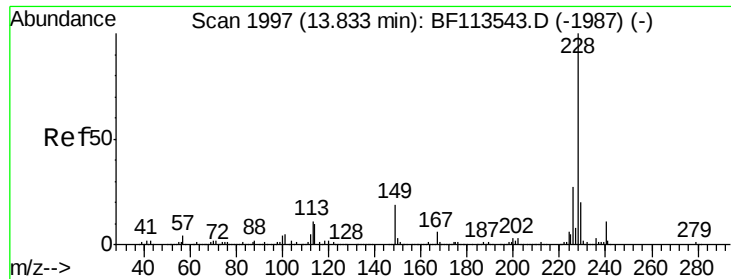
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#79
Terphenyl-d14
Concen: 23.323 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF113697.D
Acq: 10 Apr 2019 15:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.5	8.3
122	10.0	8.6	13.0





#81

Benzo(a)anthracene

Concen: 35.524 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF113697.D

Acq: 10 Apr 2019 15:31

Instrument :

BNA_F

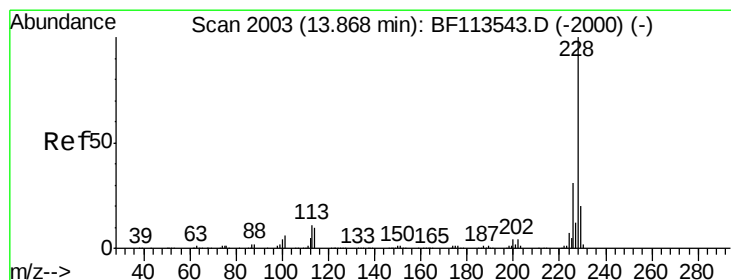
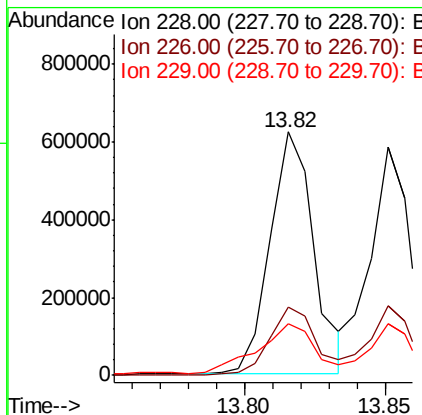
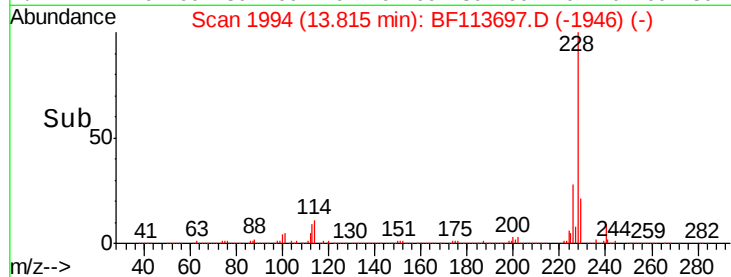
ClientSampleId :

OR-03-040819-A

Tot Ion:	228	Resp:	674702
Ion Ratio		Lower	Upper
228	100		
226	28.1	21.8	32.8
229	21.4	16.2	24.4

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#83

Chrysene

Concen: 29.606 ng

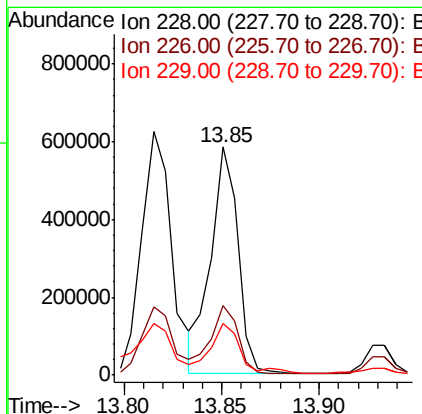
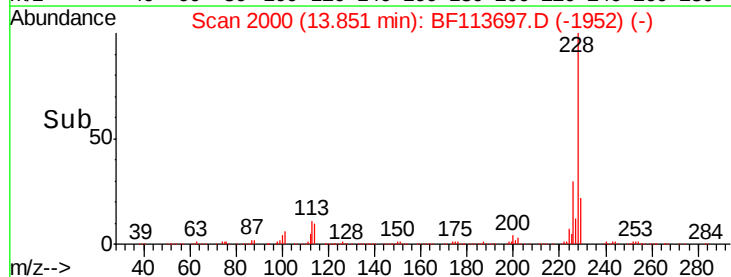
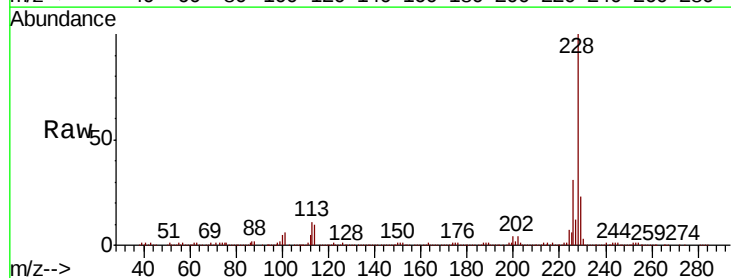
RT: 13.85 min Scan# 2000

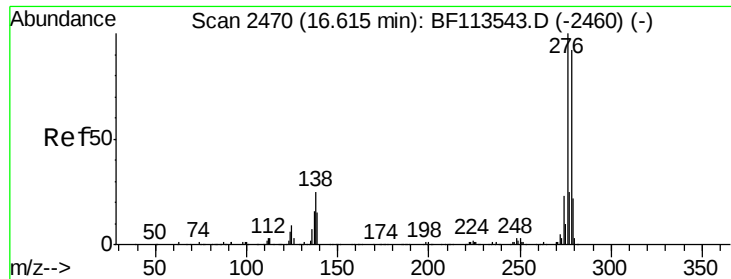
Delta R.T. -0.02 min

Lab File: BF113697.D

Acq: 10 Apr 2019 15:31

Tgt Ion:	228	Resp:	570021
Ion Ratio		Lower	Upper
228	100		
226	30.5	24.3	36.5
229	22.9	16.3	24.5





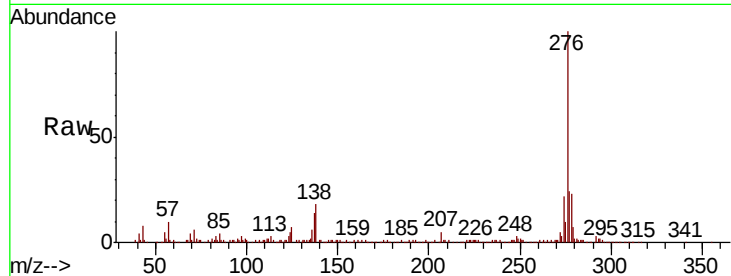
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 14.448 ng
 RT: 16.60 min Scan# 2467
 Delta R.T. -0.02 min
 Lab File: BF113697.D
 Acq: 10 Apr 2019 15:31

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-040819-A

Tot Ion:	276	Resp:	256840
Ion Ratio	Lower	Upper	
276	100		
138	19.9	18.1	27.1
277	23.2	20.2	30.4

Manual Integrations
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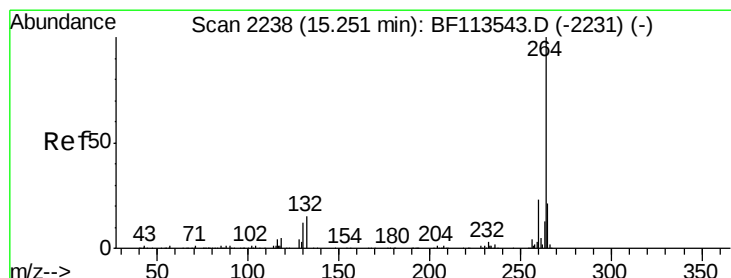
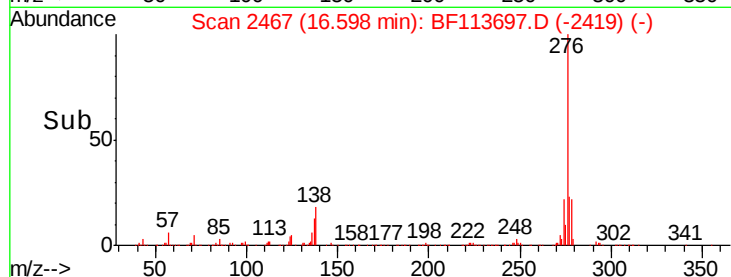
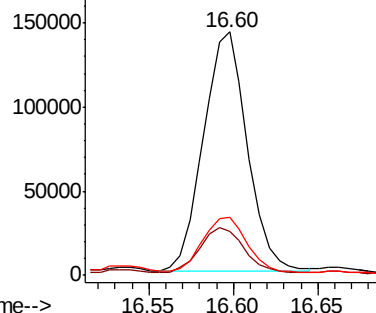


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2235
 Delta R.T. -0.02 min
 Lab File: BF113697.D
 Acq: 10 Apr 2019 15:31

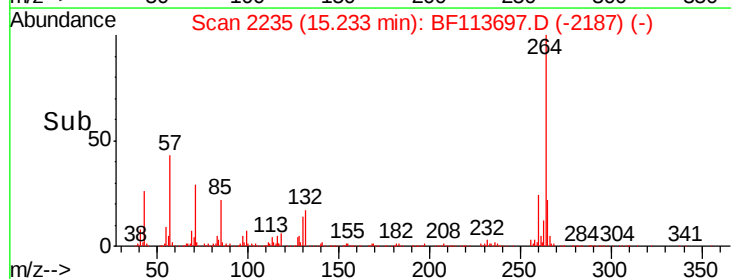
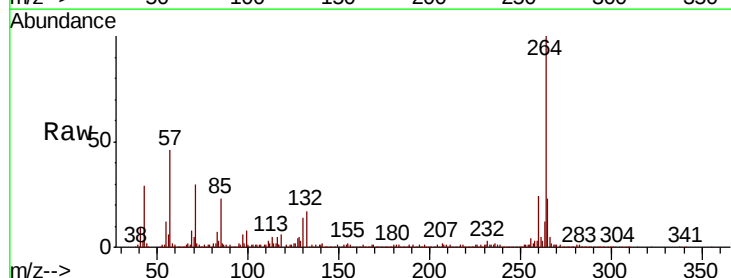
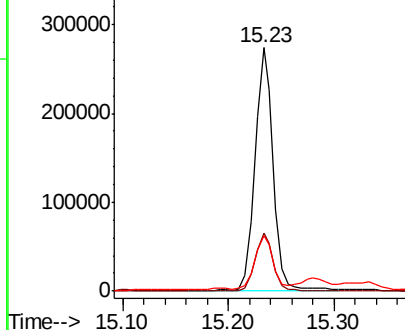
Tgt Ion:	264	Resp:	331994
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.1	28.7
265	22.7	17.1	25.7

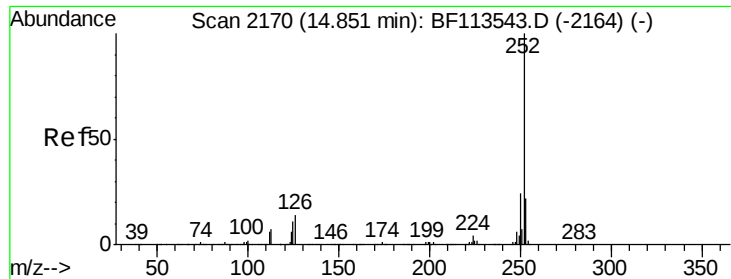
Abundance

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





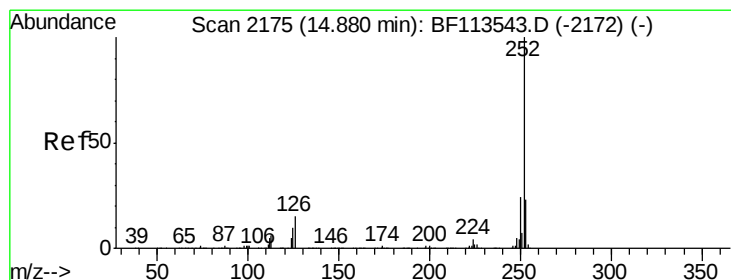
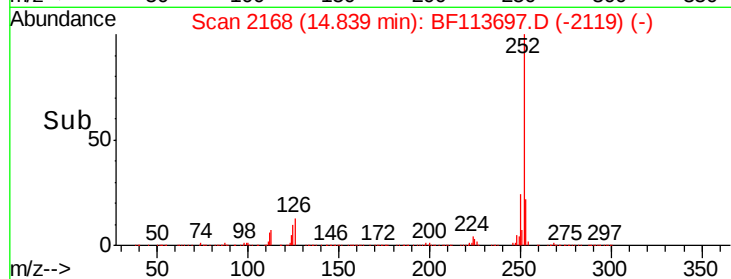
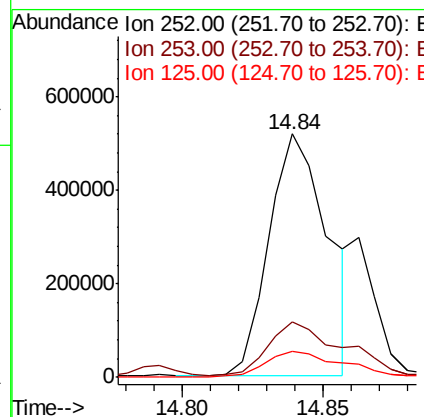
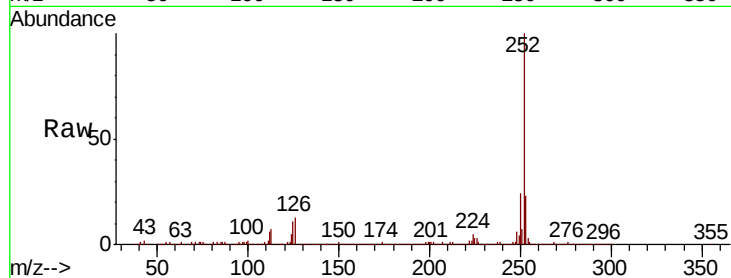
#88
Benzo(b)fluoranthene
Concen: 36.989 ng m
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF113697.D
Acq: 10 Apr 2019 15:31

Instrument :
BNA_F
ClientSampleId :
OR-03-040819-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	10.8	7.6	11.4

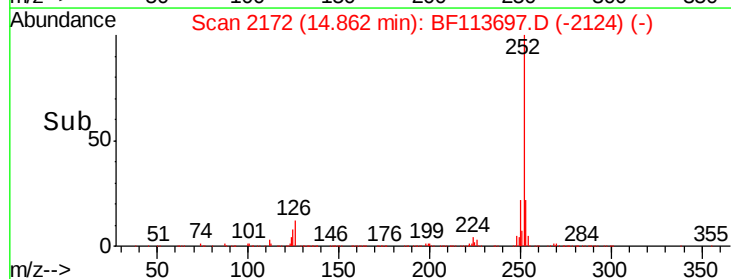
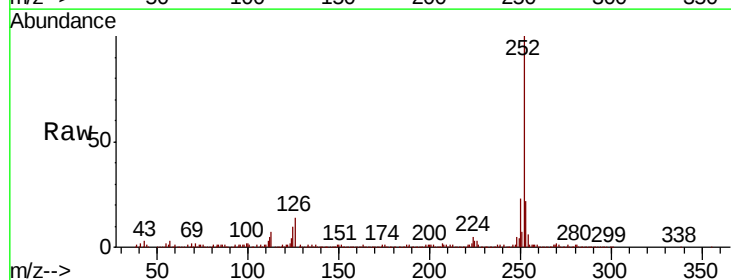
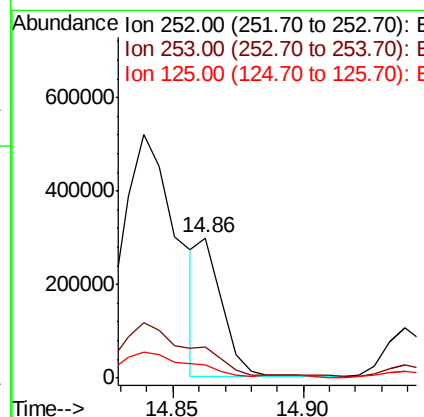
Manual Integrations
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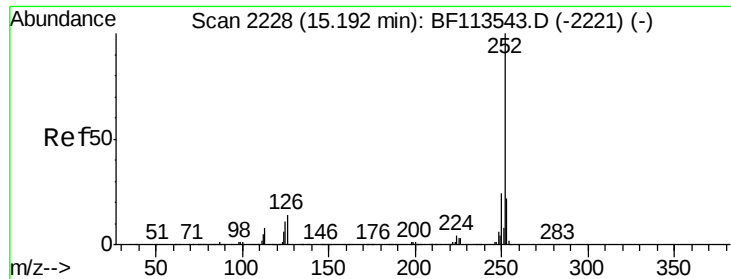
Sohil
4/11/2019 2:39:33 PM



#89
Benzo(k)fluoranthene
Concen: 10.459 ng m
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF113697.D
Acq: 10 Apr 2019 15:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	9.7	7.3	10.9





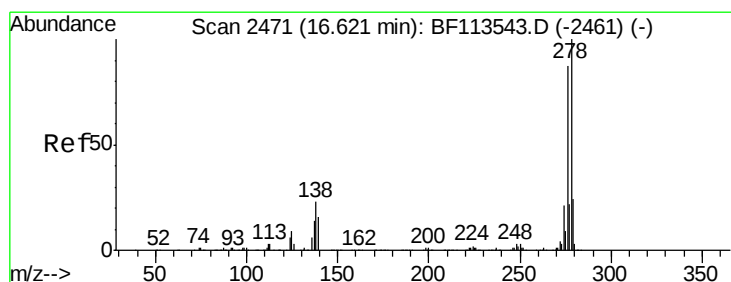
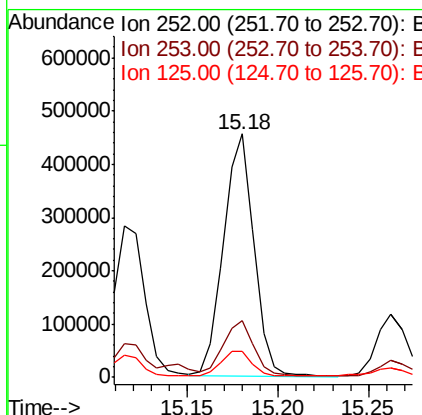
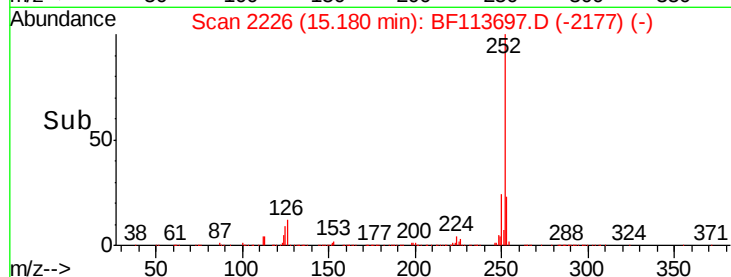
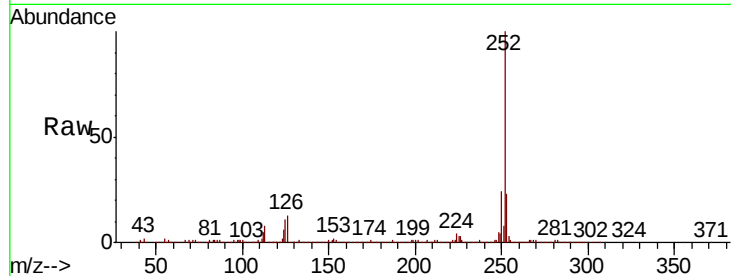
#90
Benzo(a)pyrene
Concen: 29.562 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113697.D
Acq: 10 Apr 2019 15:31

Instrument :
BNA_F
ClientSampleId :
OR-03-040819-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	10.5	8.8	13.2

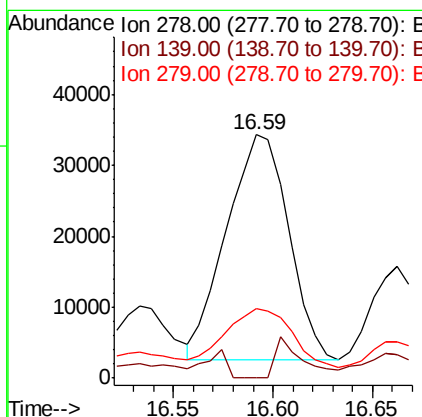
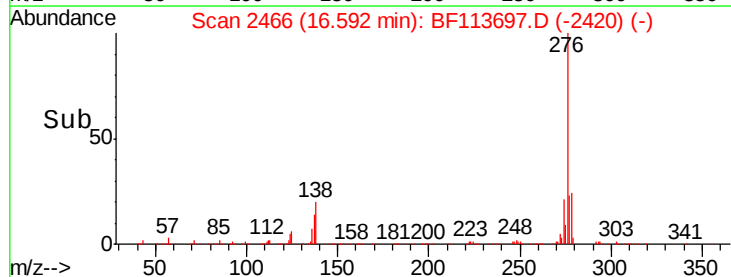
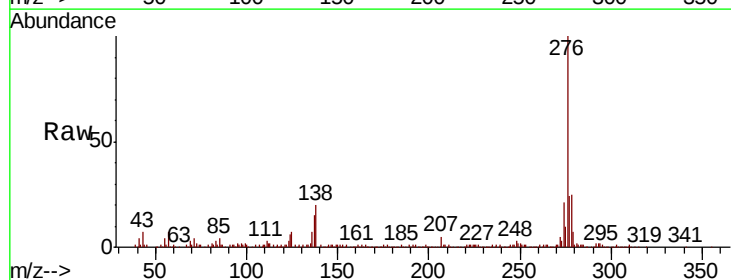
Manual Integrations
APPROVED

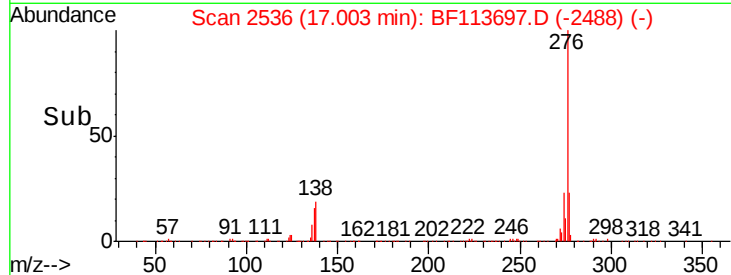
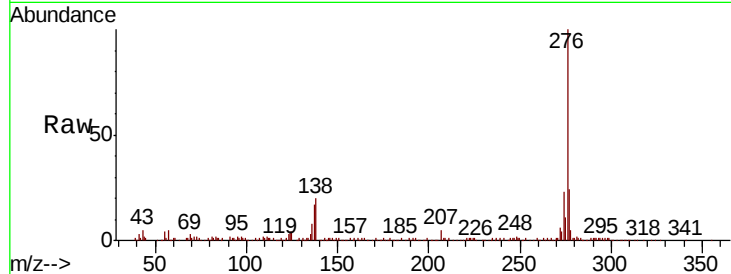
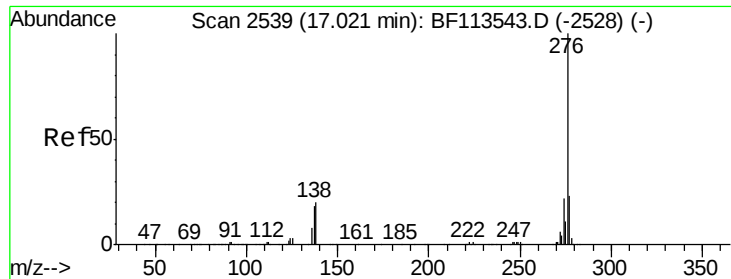
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#91
Dibenzo(a,h)anthracene
Concen: 4.091 ng m
RT: 16.59 min Scan# 2466
Delta R.T. -0.03 min
Lab File: BF113697.D
Acq: 10 Apr 2019 15:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	28.4	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 13.848 ng
 RT: 17.00 min Scan# 2536
 Delta R.T. -0.02 min
 Lab File: BF113697.D
 Acq: 10 Apr 2019 15:31

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-040819-A

Tot Ion:	276	Resp:	238693
Ion Ratio	Lower	Upper	
276	100		
277	24.3	18.8	28.2
138	19.8	15.6	23.4

Manual Integrations
 APPROVED

Sohil
 4/11/2019 2:39:33 PM

