

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061319\
 Data File : BF114992.D
 Acq On : 13 Jun 2019 9:59
 Operator : HP/JU
 Sample : K3159-01 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-061119-A

Manual Integrations
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mohammad
 6/14/2019 8:47:05 AM

Quant Time: Jun 13 18:05:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 12 15:42:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	302416	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	1180389	20.00	ng	0.00
39) Acenaphthene-d10	9.67	164	538783	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	873495	20.00	ng	0.00
76) Chrysene-d12	13.77	240	571267	20.00	ng	-0.01
87) Perylene-d12	15.15	264	609448	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	859820	47.47	ng	0.00
7) Phenol-d6	6.29	99	1055536	48.31	ng	-0.01
23) Nitrobenzene-d5	7.20	82	621654	31.70	ng	-0.01
42) 2,4,6-Tribromophenol	10.46	330	240875	41.75	ng	-0.01
45) 2-Fluorobiphenyl	9.00	172	1125567	35.41	ng	0.00
79) Terphenyl-d14	12.73	244	806869	26.57	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	7.95	128	116859	2.092	ng	95
50) Dimethylphthalate	9.40	163	164276	4.054	ng	98
52) Acenaphthene	9.70	154	81925	2.668	ng	97
71) Phenanthrene	11.17	178	628564	13.937	ng	97
72) Anthracene	11.22	178	175675	3.861	ng	97
75) Fluoranthene	12.35	202	634923	13.768	ng	99
78) Pyrene	12.57	202	568771	10.929	ng	98
81) Benzo(a)anthracene	13.76	228	290917	6.805	ng	98
83) Chrysene	13.79	228	259041	6.094	ng	95
86) Indeno(1,2,3-cd)pyrene	16.44	276	111188	2.978	ng	95
88) Benzo(b)fluoranthene	14.77	252	323704m	7.990	ng	
89) Benzo(k)fluoranthene	14.79	252	115261m	3.241	ng	
90) Benzo(a)pyrene	15.09	252	232779	6.659	ng	97
92) Benzo(a,h,i)perylene	16.83	276	98023	3.193	ng	99

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

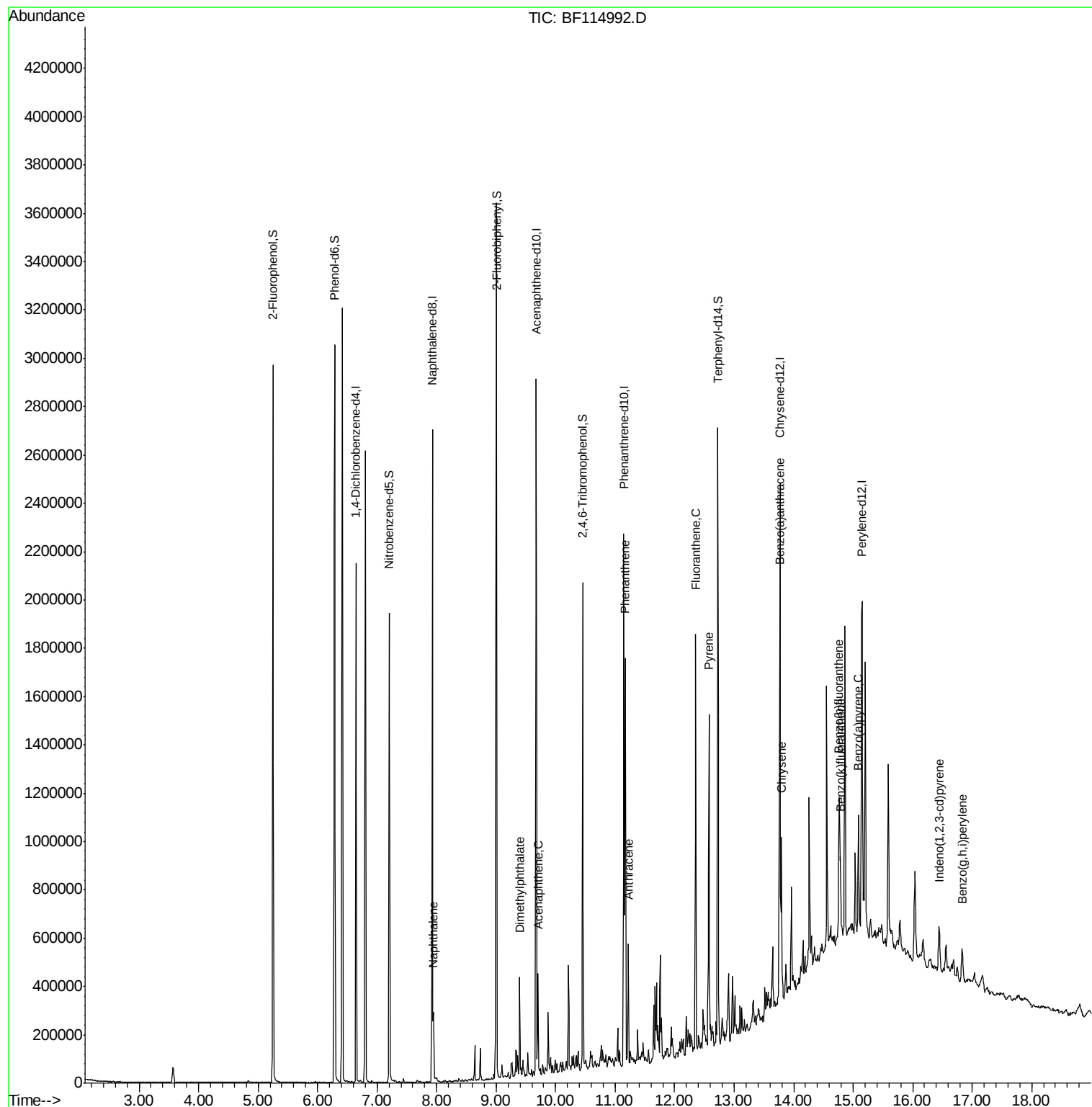
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061319\
Data File : BF114992.D
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ALS Vial : 6 Sample Multiplier: 1

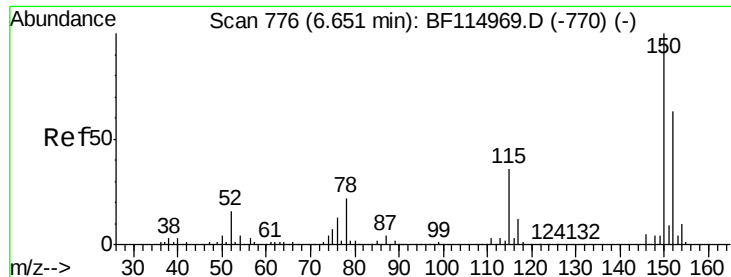
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

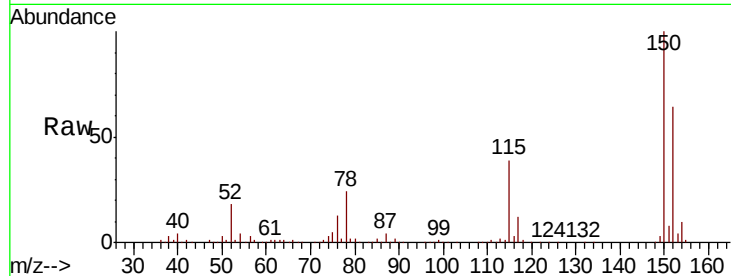
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF114992.D
Acq: 13 Jun 2019 9:59

Instrument :
BNA_F
ClientSampleId :
OR-03-061119-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	127.4	191.0
115	60.2	46.0	69.0

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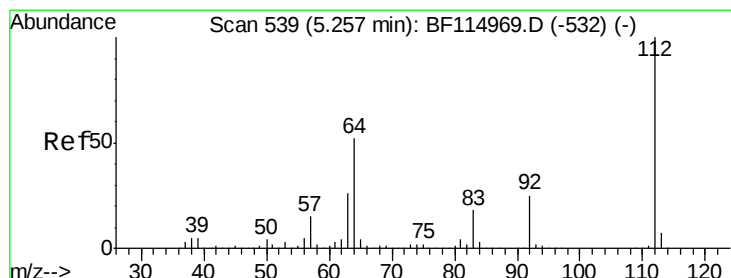
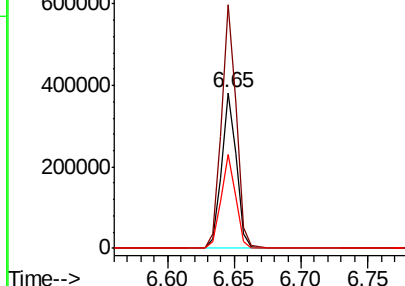
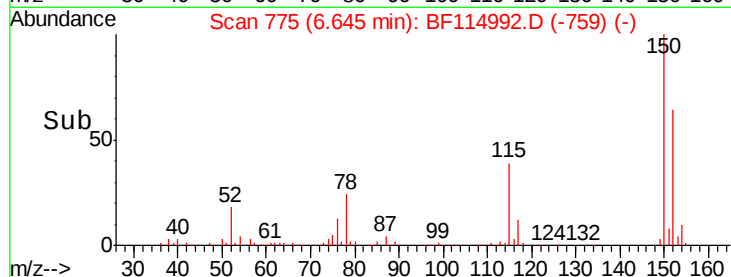


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

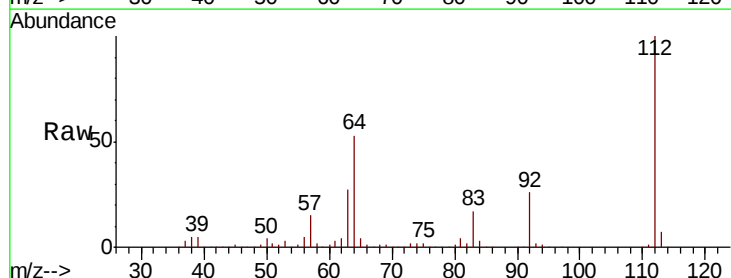
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.475 ng
RT: 5.25 min Scan# 538
Delta R.T. -0.01 min
Lab File: BF114992.D
Acq: 13 Jun 2019 9:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	41.6	62.4
63	26.5	20.9	31.3

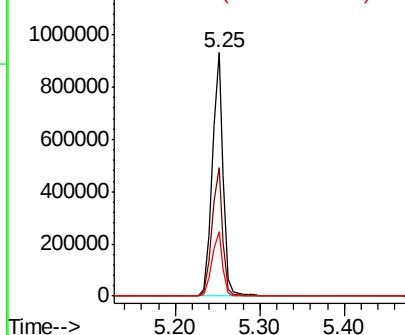
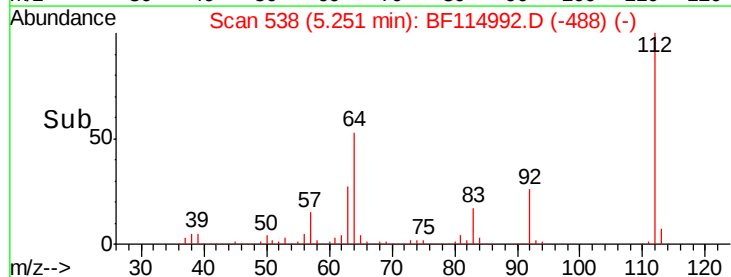


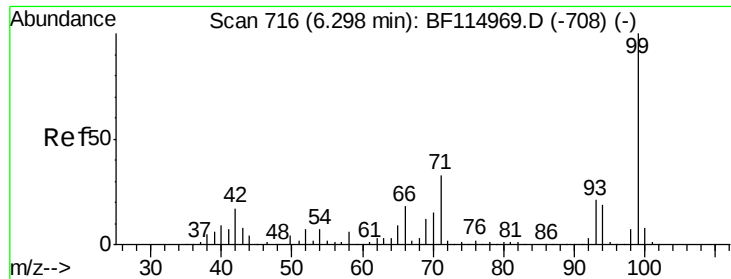
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 48.315 ng

RT: 6.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF114992.D

Acq: 13 Jun 2019 9:59

Instrument :

BNA_F

ClientSampleId :

OR-03-061119-A

Tot Ion: 99 Resp: 1055536

Ion Ratio Lower Upper

99 100

42 15.8 13.4 20.2

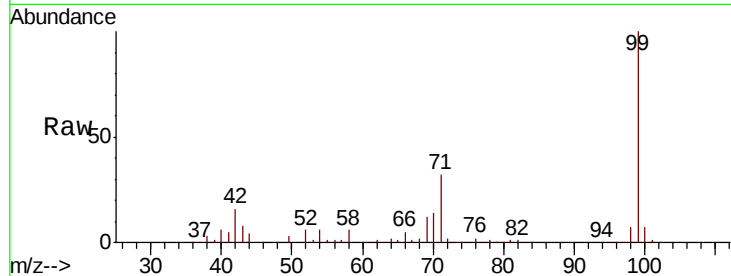
71 32.1 26.4 39.6

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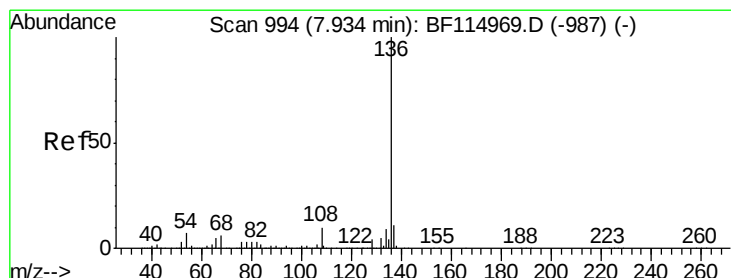
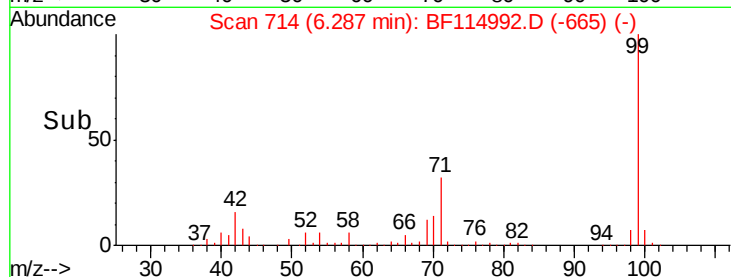
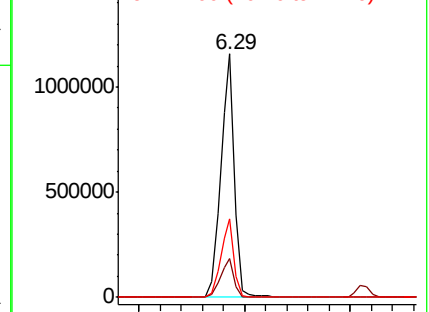
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF114992.D

Acq: 13 Jun 2019 9:59

Tgt Ion: 136 Resp: 1180389

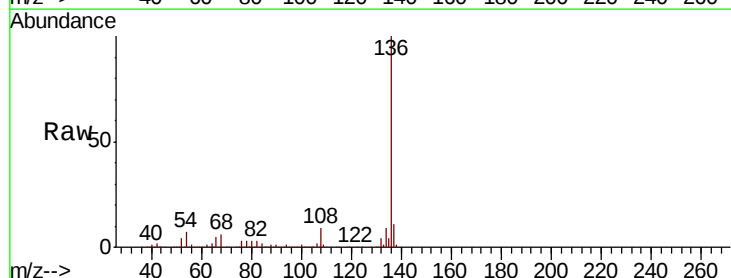
Ion Ratio Lower Upper

136 100

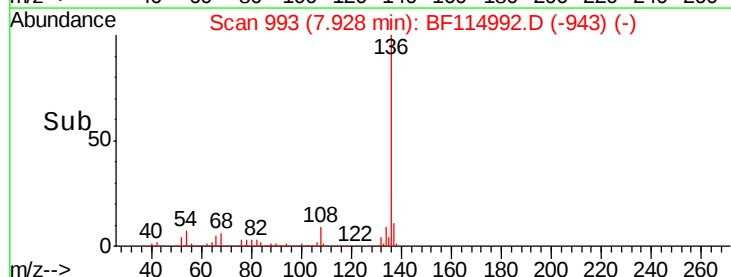
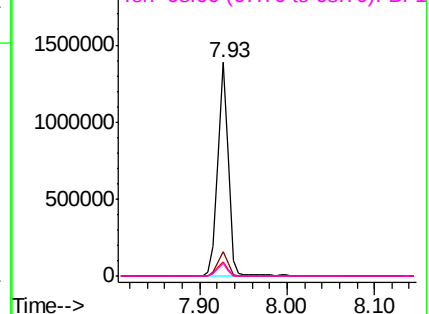
137 11.3 9.0 13.4

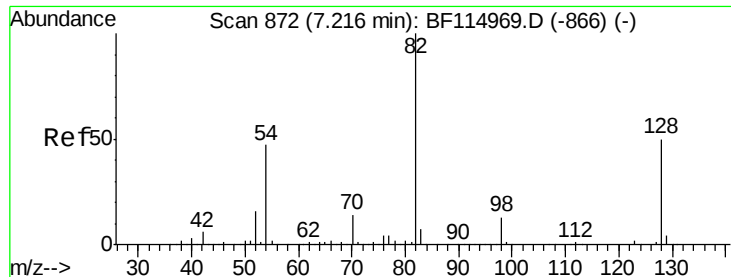
54 6.8 5.4 8.0

68 5.8 4.6 7.0



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





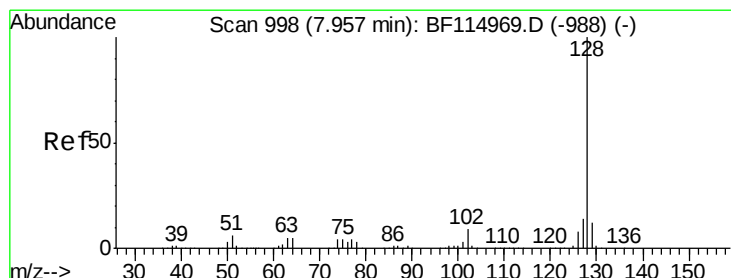
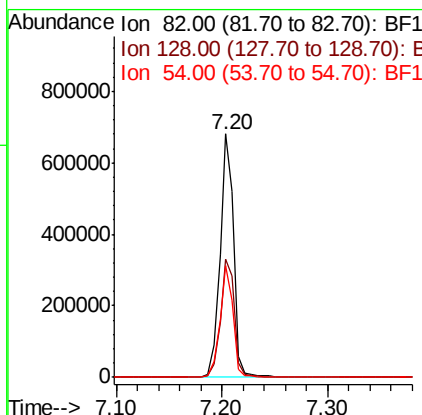
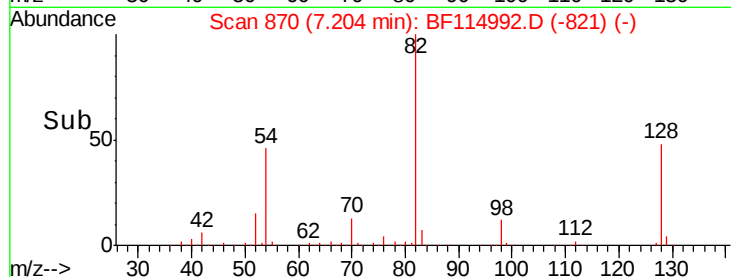
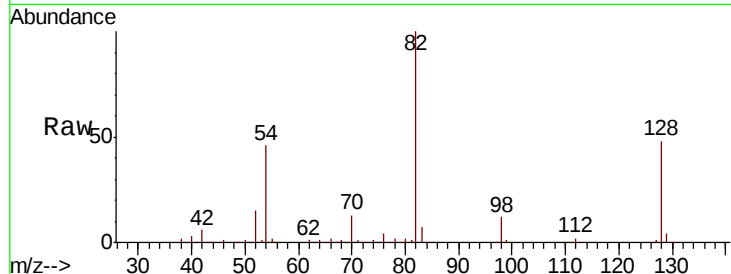
#23
Nitrobenzene-d5
Concen: 31.700 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF114992.D
Acq: 13 Jun 2019 9:59

Instrument :
BNA_F
ClientSampleId :
OR-03-061119-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.4	39.9	59.9
54	46.2	37.3	55.9

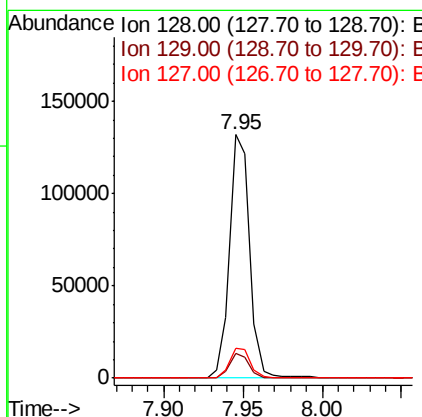
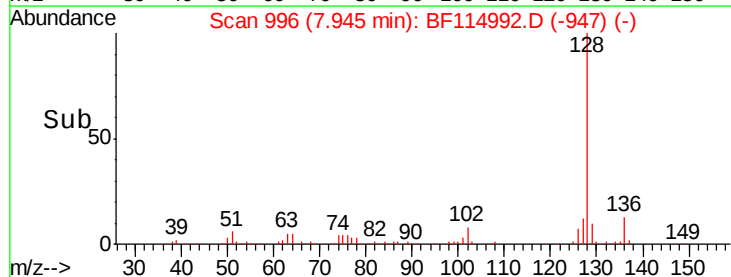
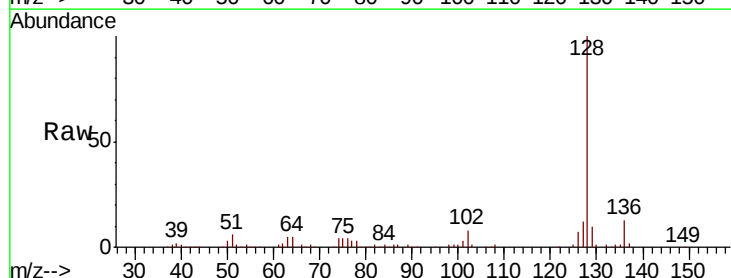
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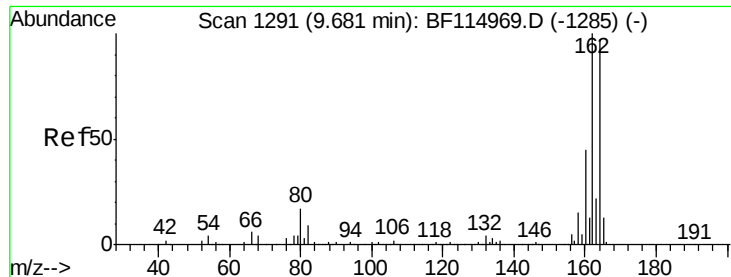
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#31
Naphthalene
Concen: 2.092 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF114992.D
Acq: 13 Jun 2019 9:59

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.5	14.3
127	12.2	11.5	17.3





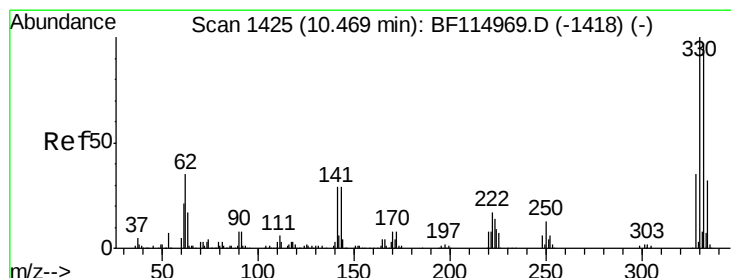
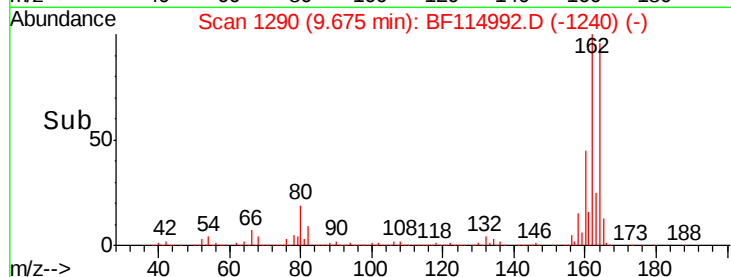
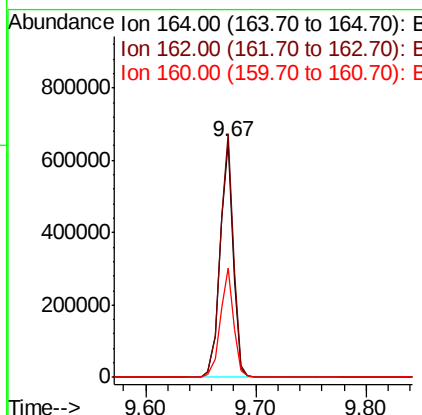
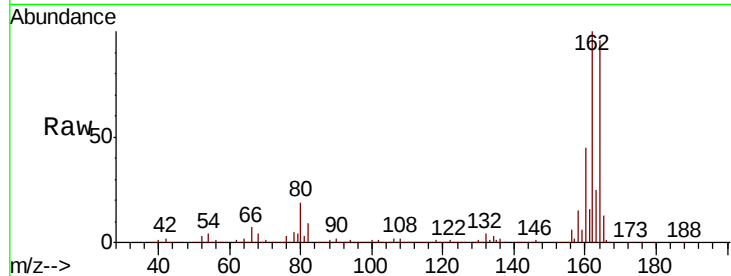
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF114992.D
Acq: 13 Jun 2019 9:59

Instrument :
BNA_F
ClientSampleId :
OR-03-061119-A

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.7	82.6	124.0	
160	46.4	36.9	55.3	

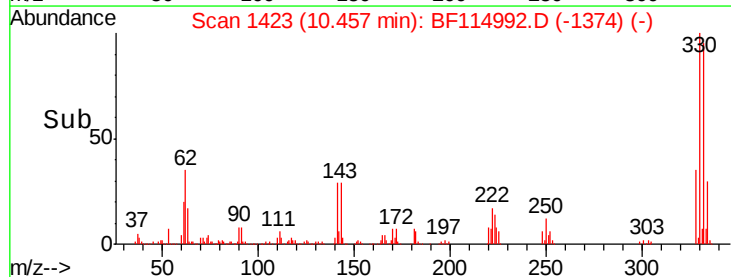
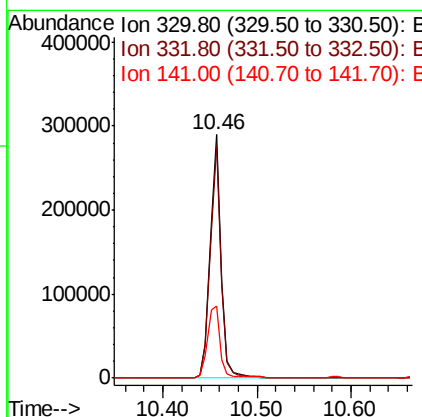
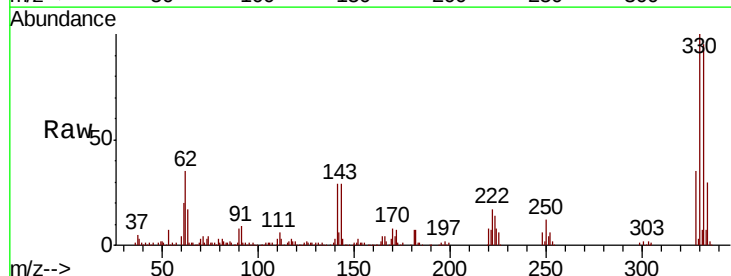
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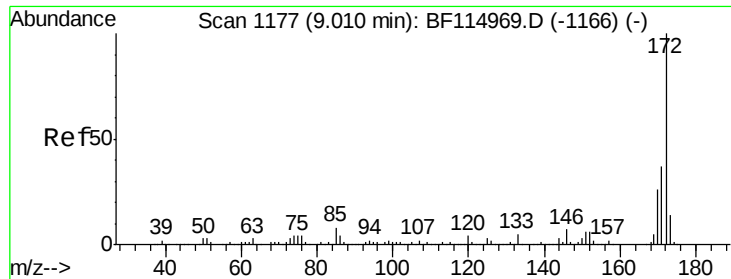
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#42
2,4,6-Tribromophenol
Concen: 41.749 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BF114992.D
Acq: 13 Jun 2019 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.7	77.6	116.4	
141	34.2	27.2	40.8	





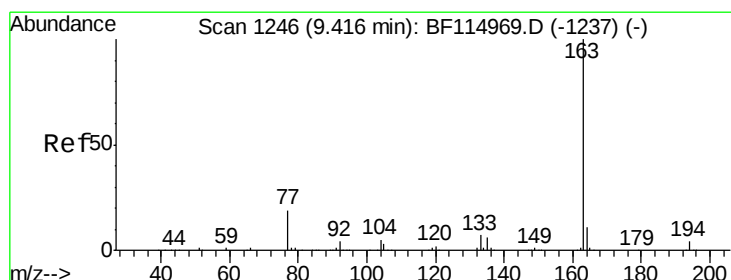
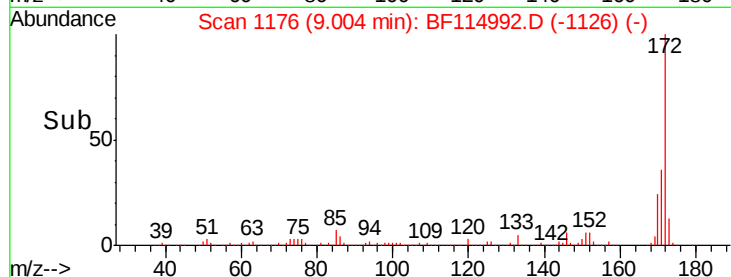
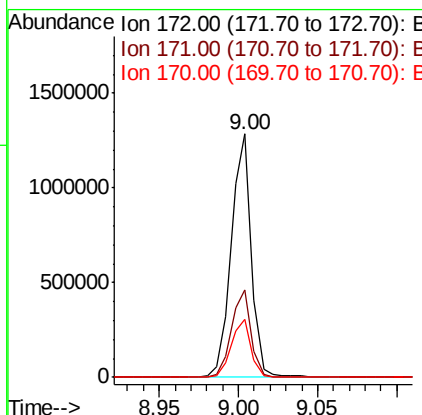
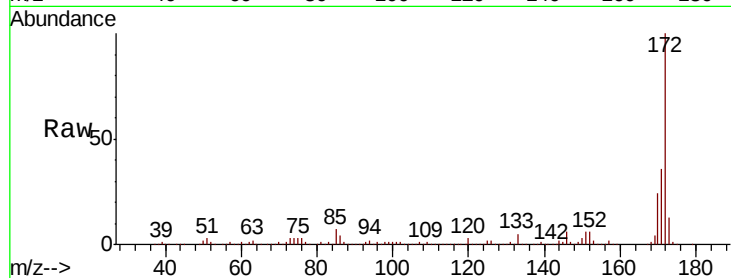
#45
2-Fluorobiphenyl
Concen: 35.407 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF114992.D
Acq: 13 Jun 2019 9:59

Instrument :
BNA_F
ClientSampleId :
OR-03-061119-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.8	44.6
170	24.0	20.6	31.0

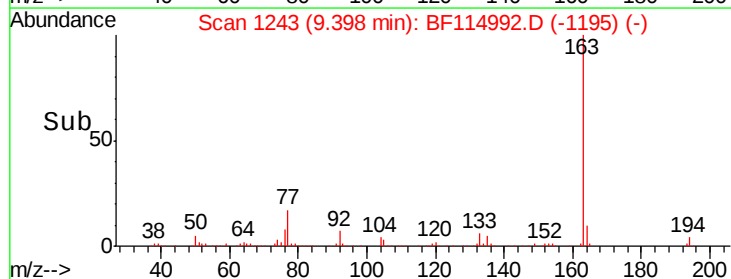
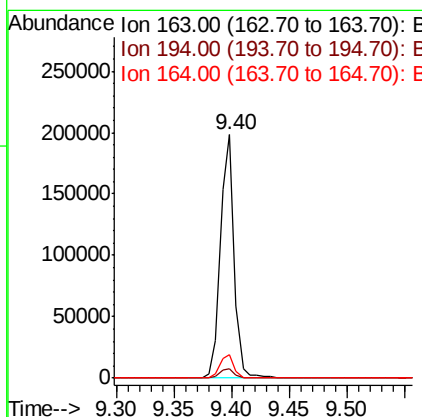
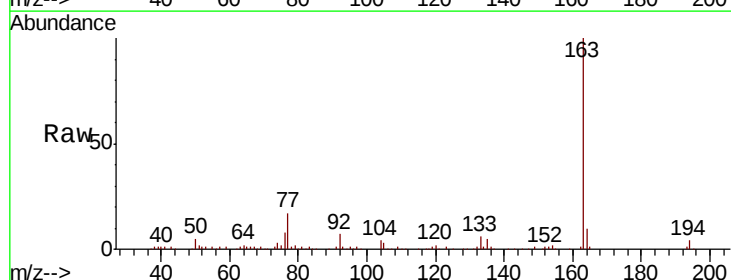
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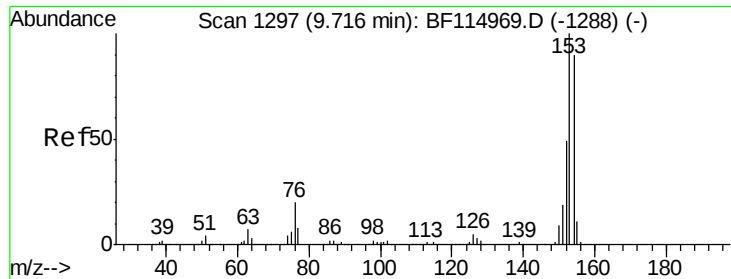
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#50
Dimethylphthalate
Concen: 4.054 ng
RT: 9.40 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BF114992.D
Acq: 13 Jun 2019 9:59

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.6	8.6	12.8





#52

Acenaphthene

Concen: 2.668 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF114992.D

Acq: 13 Jun 2019 9:59

Instrument :

BNA_F

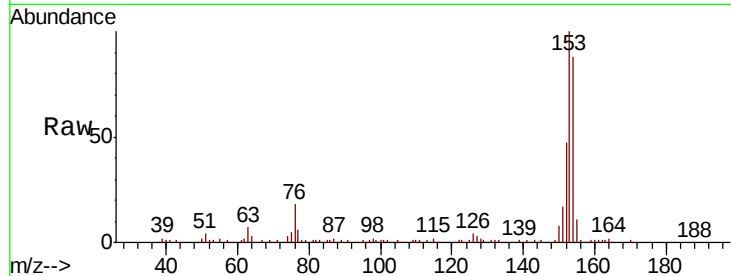
ClientSampleId :

OR-03-061119-A

Tot Ion:	154	Resp:	81925
Ion Ratio	Lower	Upper	
154	100		
153	113.7	88.5	132.7
152	52.9	43.6	65.4

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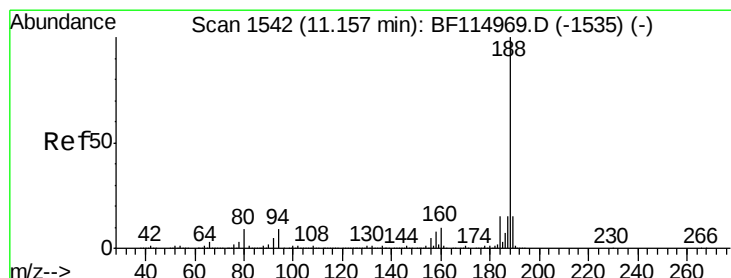
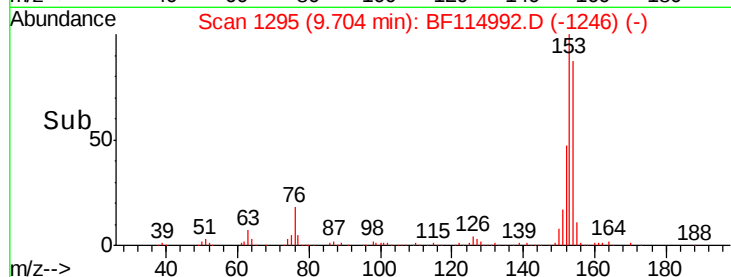
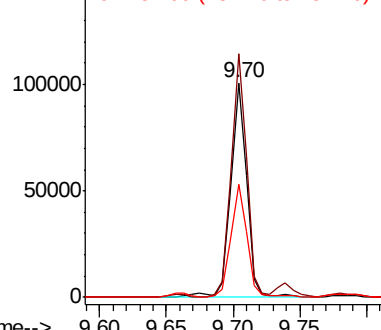


Abundance

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



#64

Phenanthrene-d10

Concen: 20.000 ng

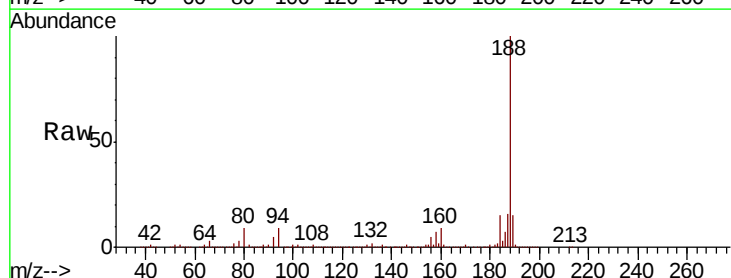
RT: 11.15 min Scan# 1541

Delta R.T. -0.01 min

Lab File: BF114992.D

Acq: 13 Jun 2019 9:59

Tgt Ion:	188	Resp:	873495
Ion Ratio	Lower	Upper	
188	100		
94	8.6	7.2	10.8
80	8.9	7.4	11.2

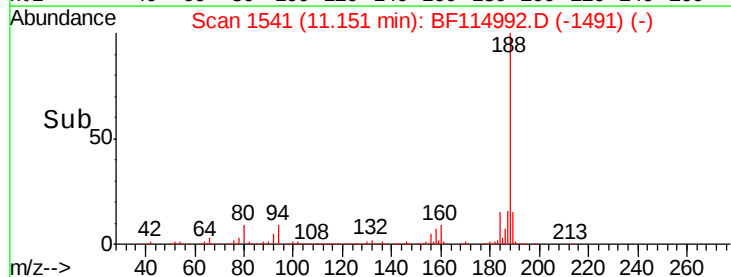
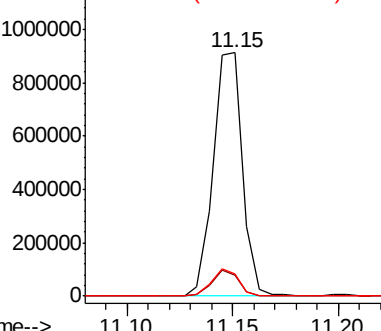


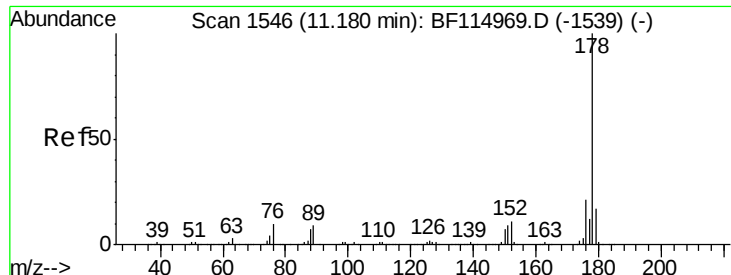
Abundance

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: 13.937 ng

RT: 11.17 min Scan# 1544

Delta R.T. -0.01 min

Lab File: BF114992.D

Acq: 13 Jun 2019 9:59

Instrument :

BNA_F

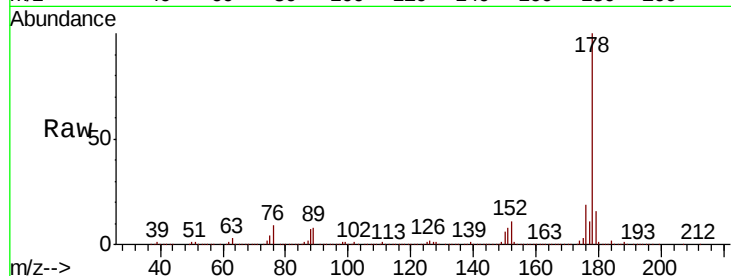
ClientSampleId :

OR-03-061119-A

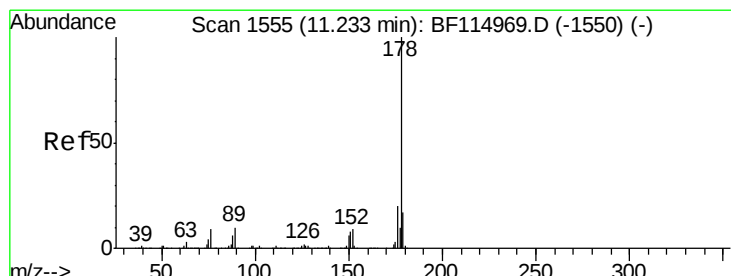
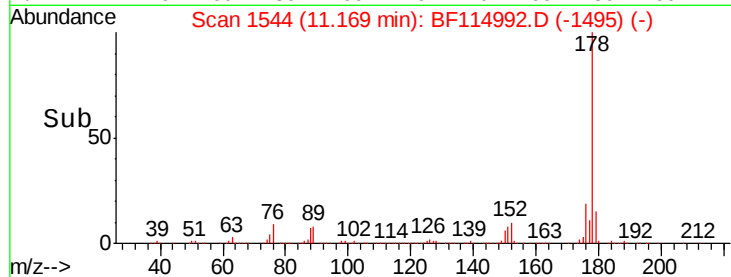
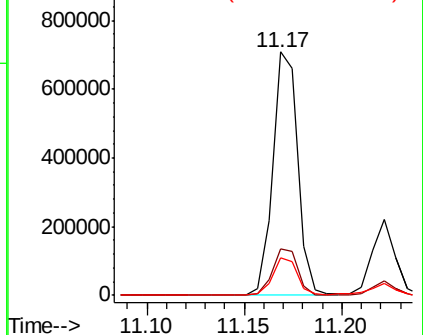
Tot Ion:178	Resp:	628564
Ion Ratio	Lower	Upper
178	100	
176	19.3	16.9 25.3
179	15.6	13.4 20.0

Manual Integrations
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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



#72

Anthracene

Concen: 3.861 ng

RT: 11.22 min Scan# 1553

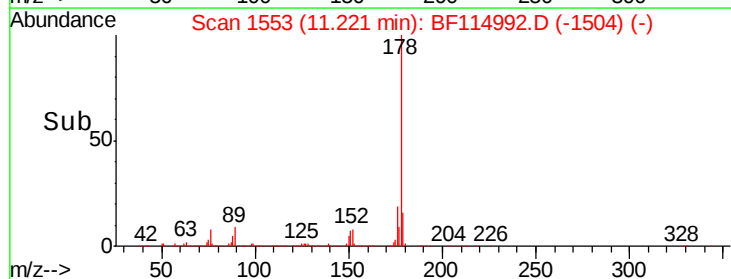
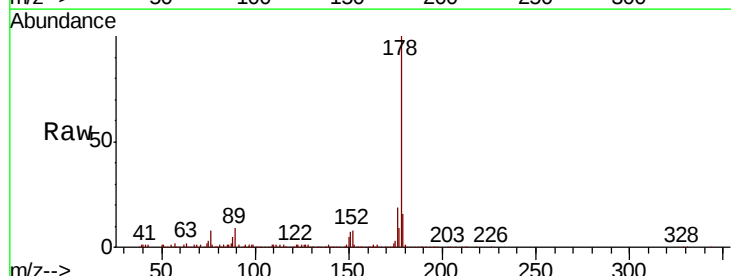
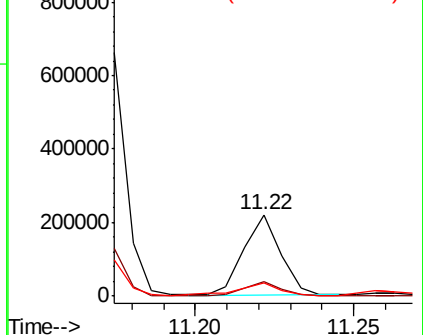
Delta R.T. -0.01 min

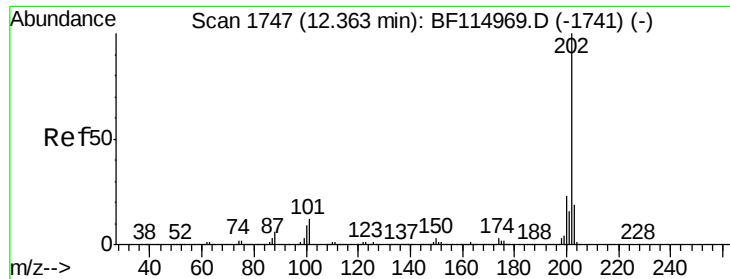
Lab File: BF114992.D

Acq: 13 Jun 2019 9:59

Tgt Ion:178	Resp:	175675
Ion Ratio	Lower	Upper
178	100	
176	18.6	16.2 24.4
179	15.7	13.2 19.8

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





#75

Fluoranthene

Concen: 13.768 ng

RT: 12.35 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BF114992.D

Acq: 13 Jun 2019 9:59

Instrument :

BNA_F

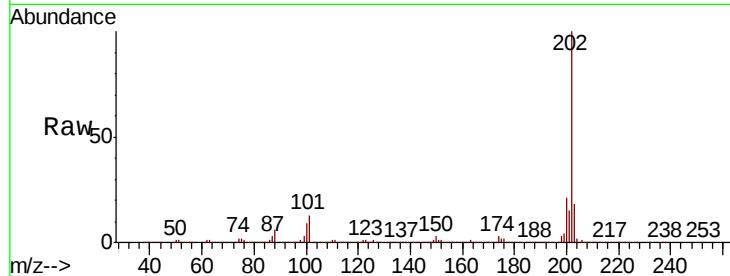
ClientSampleId :

OR-03-061119-A

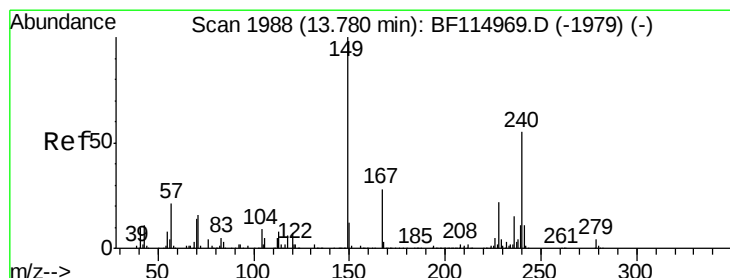
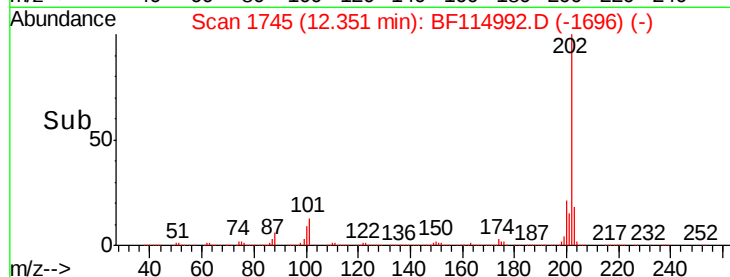
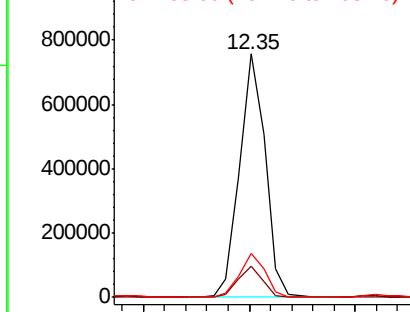
Tot Ion:	202	Resp:	634923
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	32.4
203	18.1	0.0	38.6

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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

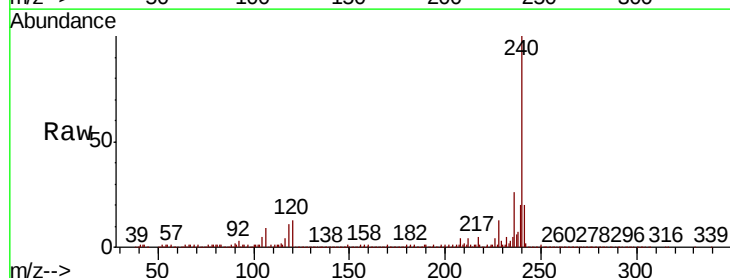
RT: 13.77 min Scan# 1986

Delta R.T. -0.01 min

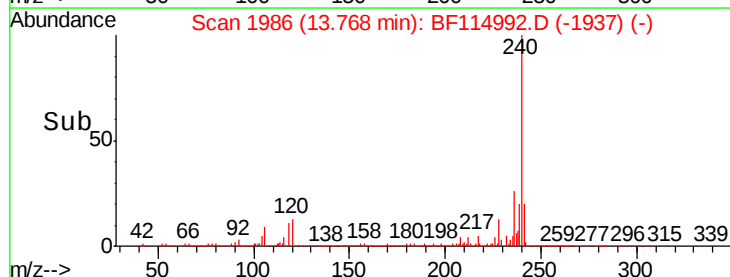
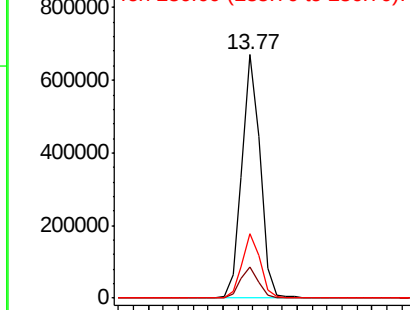
Lab File: BF114992.D

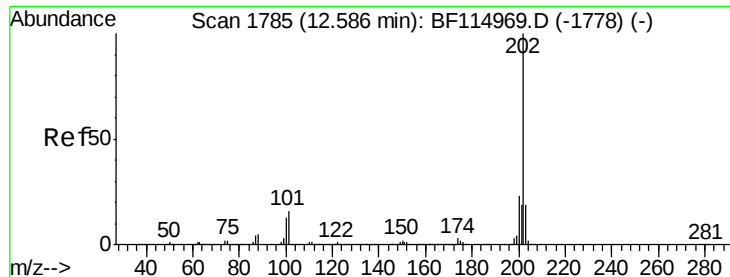
Acq: 13 Jun 2019 9:59

Tgt Ion:	240	Resp:	571267
Ion Ratio	Lower	Upper	
240	100		
120	12.9	10.0	15.0
236	26.5	21.6	32.4



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: 10.929 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF114992.D

Acq: 13 Jun 2019 9:59

Instrument :

BNA_F

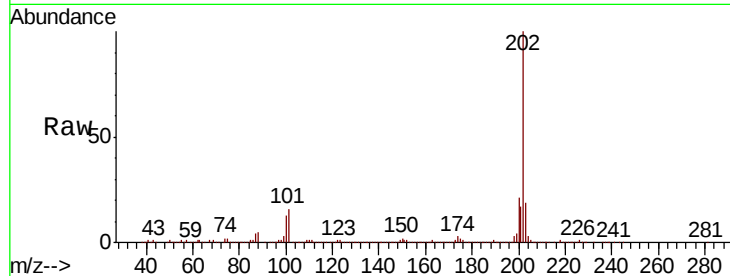
ClientSampleId :

OR-03-061119-A

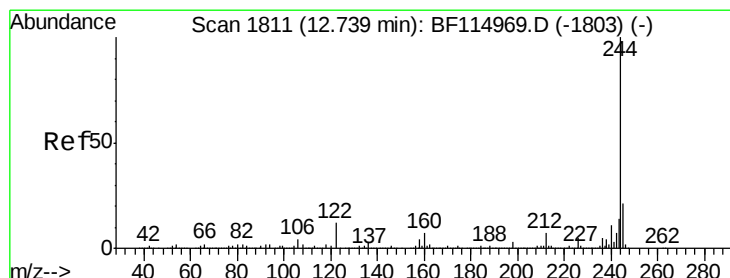
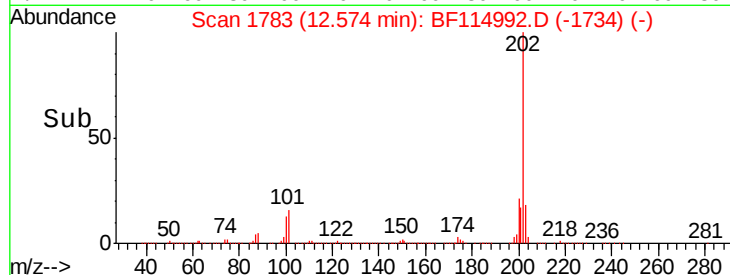
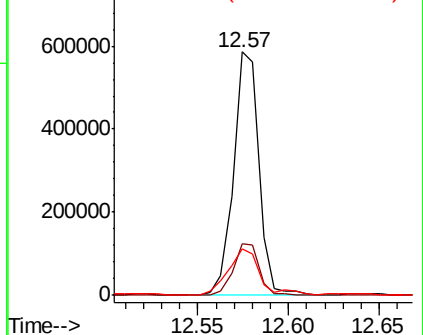
Tot Ion:	202	Resp:	568771
Ion Ratio		Lower	Upper
202	100		
200	21.3	18.4	27.6
203	19.1	14.9	22.3

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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: 26.566 ng

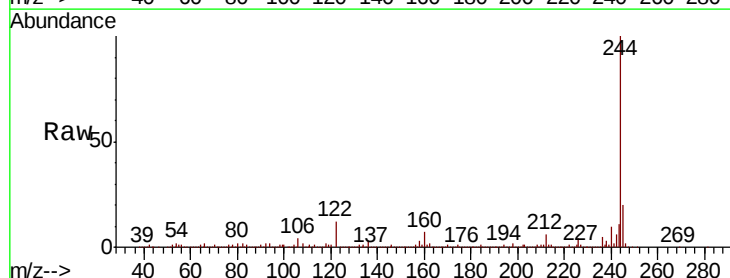
RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

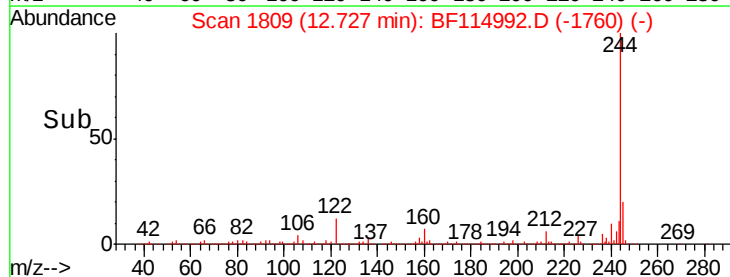
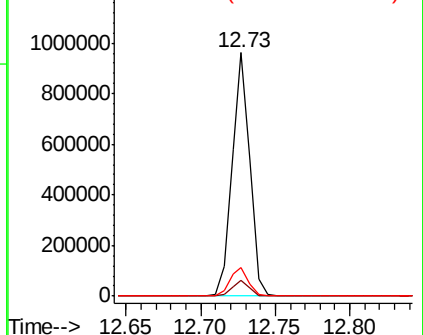
Lab File: BF114992.D

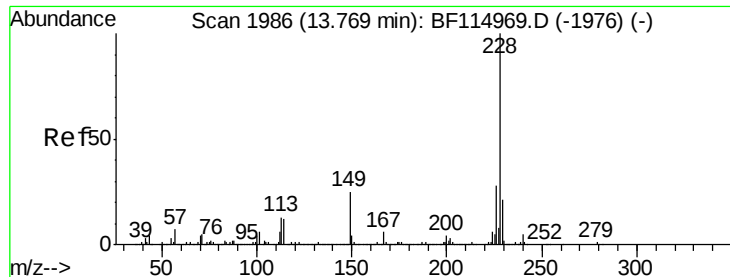
Acq: 13 Jun 2019 9:59

Tgt Ion:	244	Resp:	806869
Ion Ratio		Lower	Upper
244	100		
212	6.3	5.8	8.8
122	11.7	9.4	14.0



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





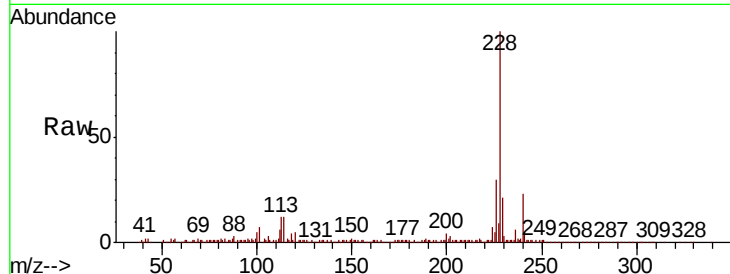
#81
Benzo(a)anthracene
Concen: 6.805 ng
RT: 13.76 min Scan# 1984
Delta R.T. -0.01 min
Lab File: BF114992.D
Acq: 13 Jun 2019 9:59

Instrument :
BNA_F
ClientSampleId :
OR-03-061119-A

Tot Ion	Ratio	Resp	Lower	Upper
228	100	290917		
226	29.5	22.0	33.0	
229	20.9	16.6	25.0	

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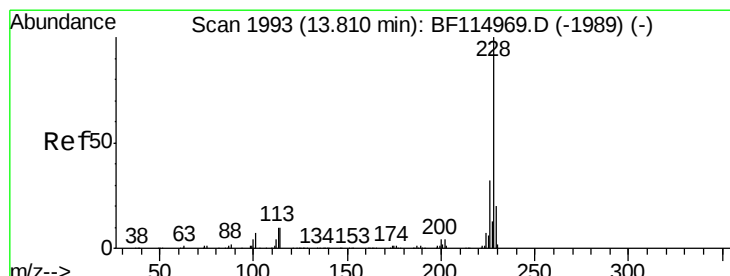
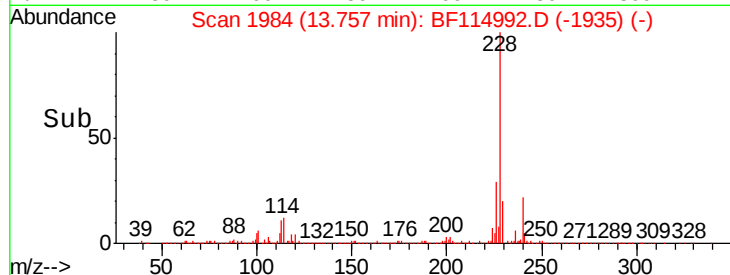
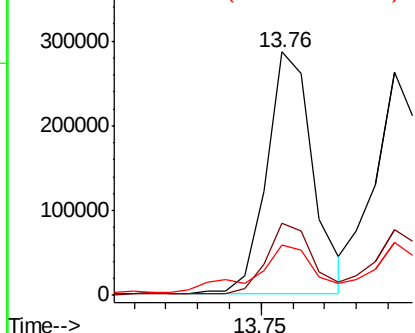


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 6.094 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.02 min
Lab File: BF114992.D
Acq: 13 Jun 2019 9:59

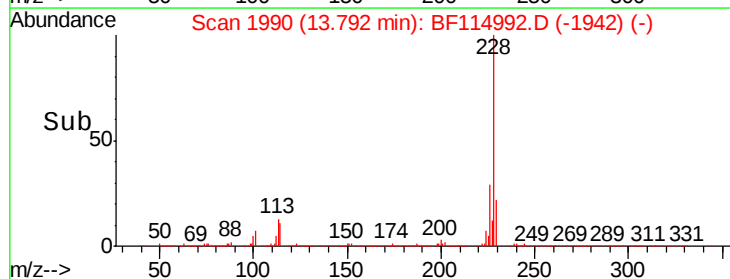
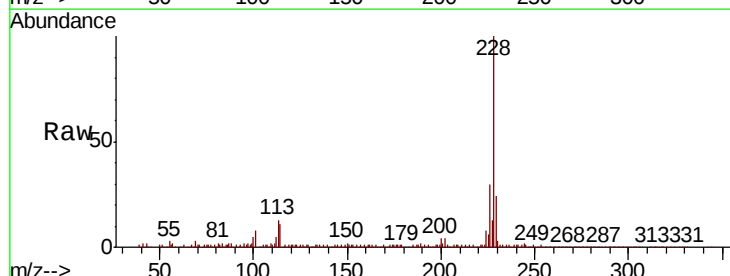
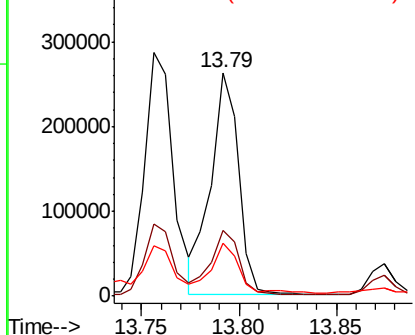
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	259041		
226	29.7	25.4	38.0	
229	23.6	16.4	24.6	

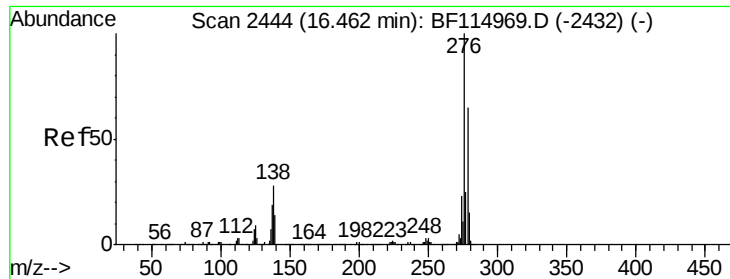
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





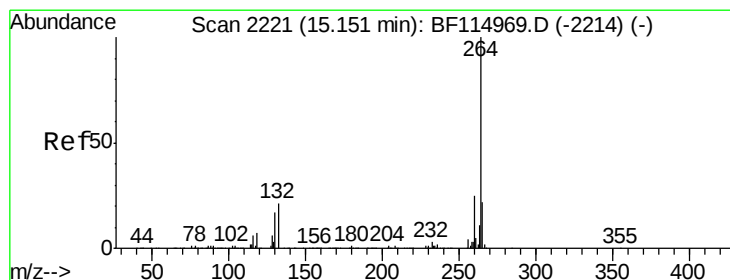
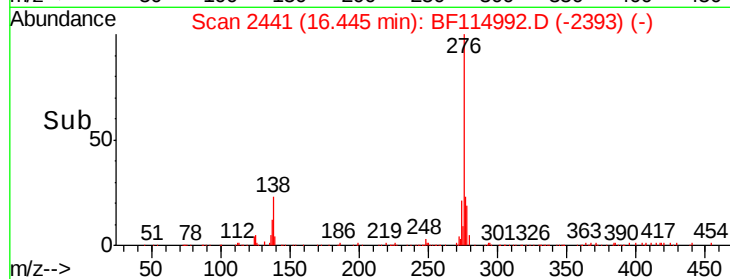
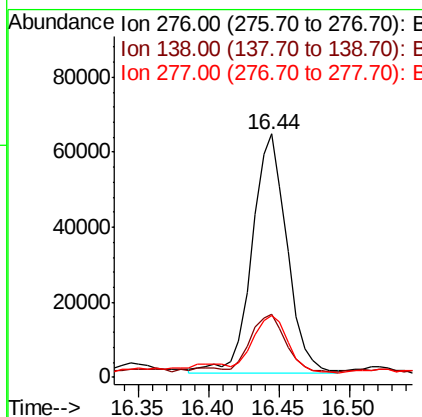
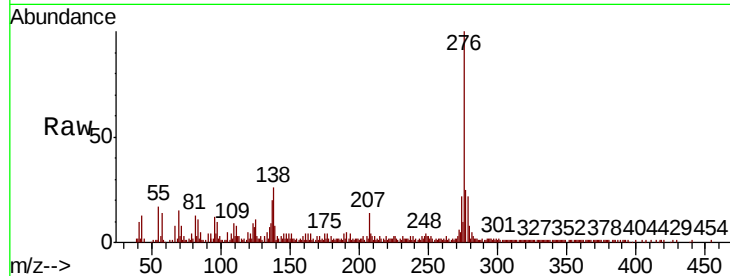
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.978 ng
RT: 16.44 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BF114992.D
Acq: 13 Jun 2019 9:59

Instrument :
BNA_F
ClientSampleId :
OR-03-061119-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.5	23.0	34.4
277	24.3	20.6	30.8

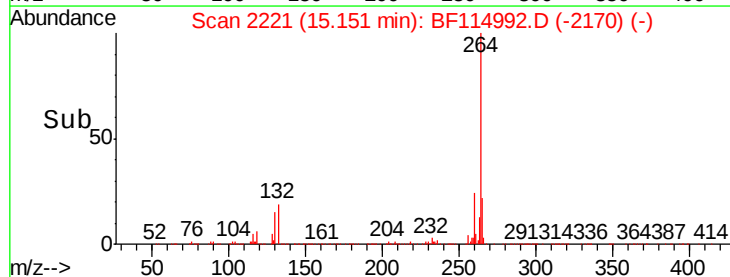
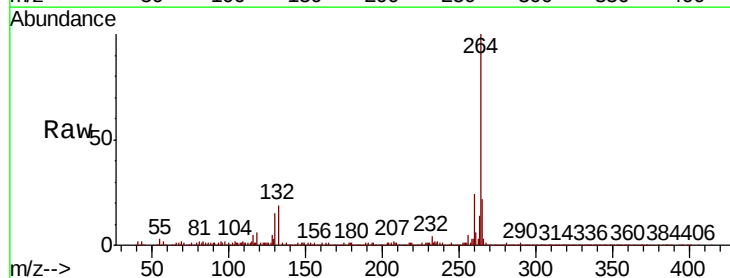
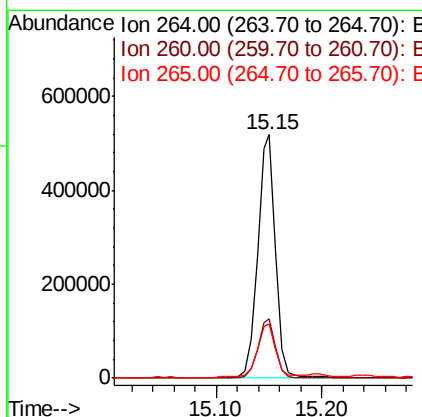
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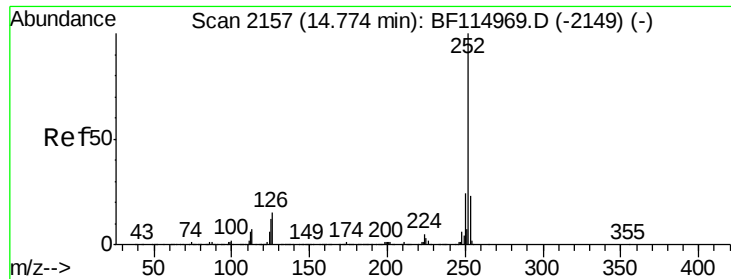
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BF114992.D
Acq: 13 Jun 2019 9:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.9	29.9
265	22.3	17.6	26.4





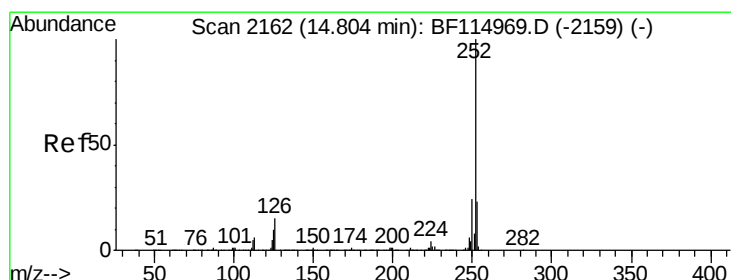
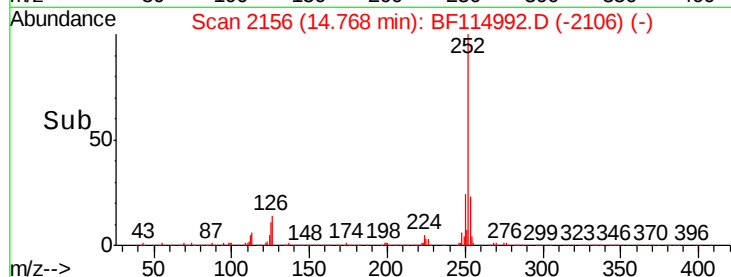
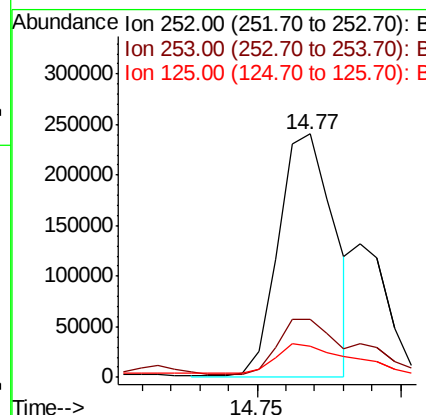
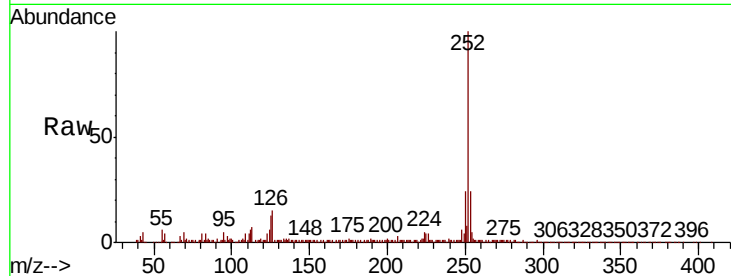
#88
Benzo(b)fluoranthene
Concen: 7.990 ng m
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF114992.D
Acq: 13 Jun 2019 9:59

Instrument :
BNA_F
ClientSampleId :
OR-03-061119-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	12.8	9.4	14.0

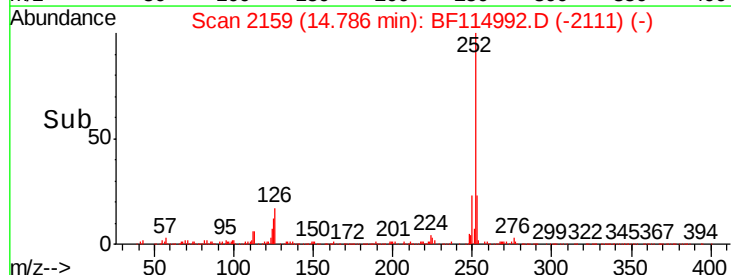
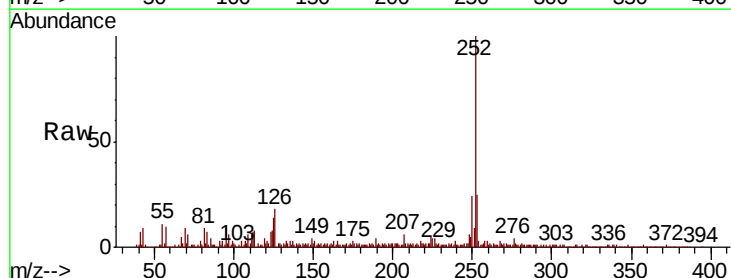
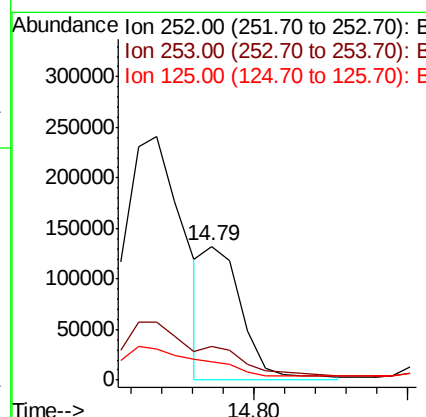
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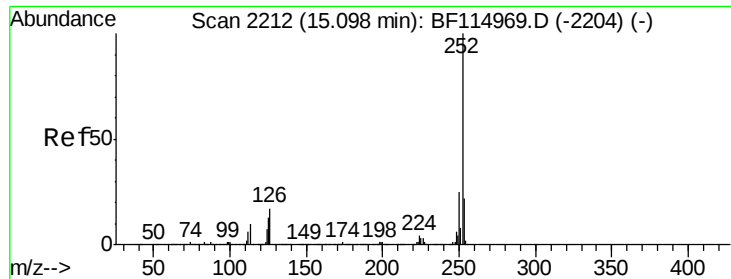
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#89
Benzo(k)fluoranthene
Concen: 3.241 ng m
RT: 14.79 min Scan# 2159
Delta R.T. -0.02 min
Lab File: BF114992.D
Acq: 13 Jun 2019 9:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	14.2	8.2	12.4





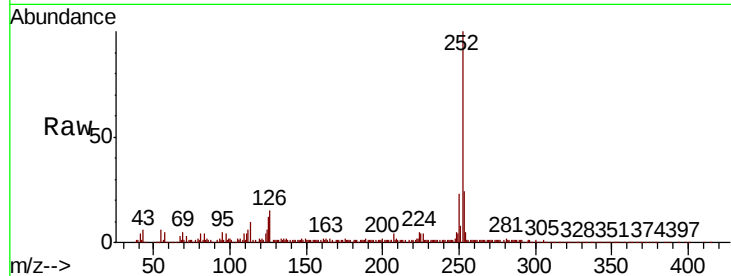
#90
Benzo(a)pyrene
Concen: 6.659 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF114992.D
Acq: 13 Jun 2019 9:59

Instrument :
BNA_F
ClientSampleId :
OR-03-061119-A

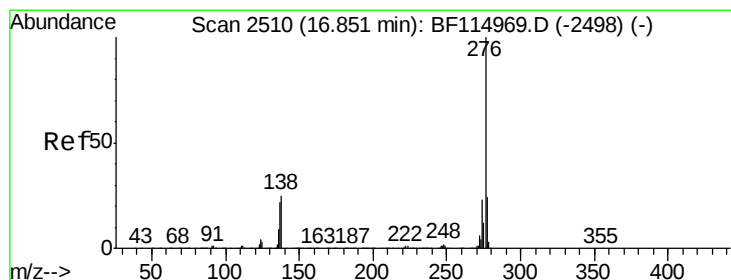
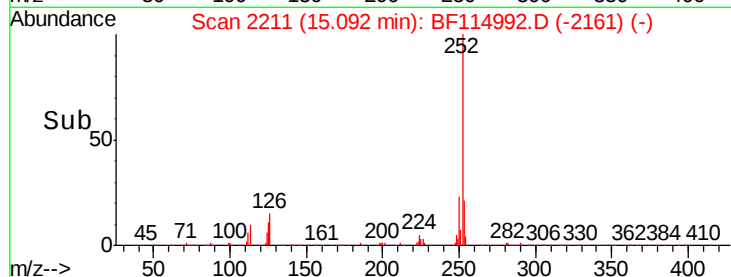
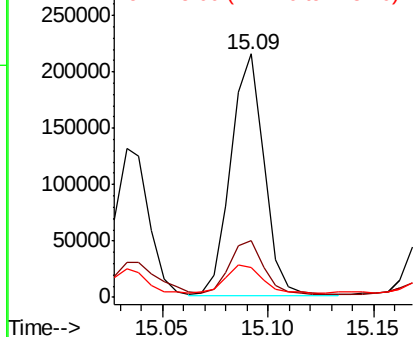
Tot Ion:	252	Resp:	232779
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.8
125	12.3	10.7	16.1

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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



#92
Benzo(g,h,i)perylene
Concen: 3.193 ng
RT: 16.83 min Scan# 2507
Delta R.T. -0.02 min
Lab File: BF114992.D
Acq: 13 Jun 2019 9:59

Tgt Ion:	276	Resp:	98023
Ion Ratio	Lower	Upper	
276	100		
277	23.2	18.8	28.2
138	26.2	20.2	30.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

