

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114844.D
 Acq On : 6 Jun 2019 3:03
 Operator : HP/JU
 Sample : K3163-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-060419-A

Manual Integrations
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 6/6/2019 4:50:51 PM

Quant Time: Jun 06 08:04:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	356506	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1363074	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	657007	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1167245	20.00	ng	0.00
76) Chrysene-d12	13.80	240	812469	20.00	ng	0.00
87) Perylene-d12	15.18	264	647633	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	1041674	51.06	ng	0.00
7) Phenol-d6	6.30	99	1283879	51.72	ng	0.00
23) Nitrobenzene-d5	7.23	82	749050	33.83	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	331905	46.88	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	1532898	43.71	ng	0.00
79) Terphenyl-d14	12.76	244	1510857	36.16	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.56	152	171174	2.853	ng	94
50) Dimethylphthalate	9.42	163	283588	5.910	ng	98
71) Phenanthrene	11.20	178	595574	10.688	ng	95
72) Anthracene	11.25	178	250955	4.279	ng	95
75) Fluoranthene	12.38	202	1712105	29.521	ng	97
78) Pyrene	12.61	202	1674521	23.758	ng	96
81) Benzo(a)anthracene	13.79	228	970031m	15.493	ng	
83) Chrysene	13.82	228	845223	13.878	ng	97
86) Indeno(1,2,3-cd)pyrene	16.49	276	278363	4.006	ng	96
88) Benzo(b)fluoranthene	14.80	252	760110m	18.436	ng	
89) Benzo(k)fluoranthene	14.82	252	264641m	7.558	ng	
90) Benzo(a)pyrene	15.12	252	511543	14.335	ng	# 97
91) Dibenzo(a,h)anthracene	16.50	278	80487	2.382	ng	# 88
92) Benzo(g,h,i)perylene	16.88	276	241171	7.096	ng	97

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

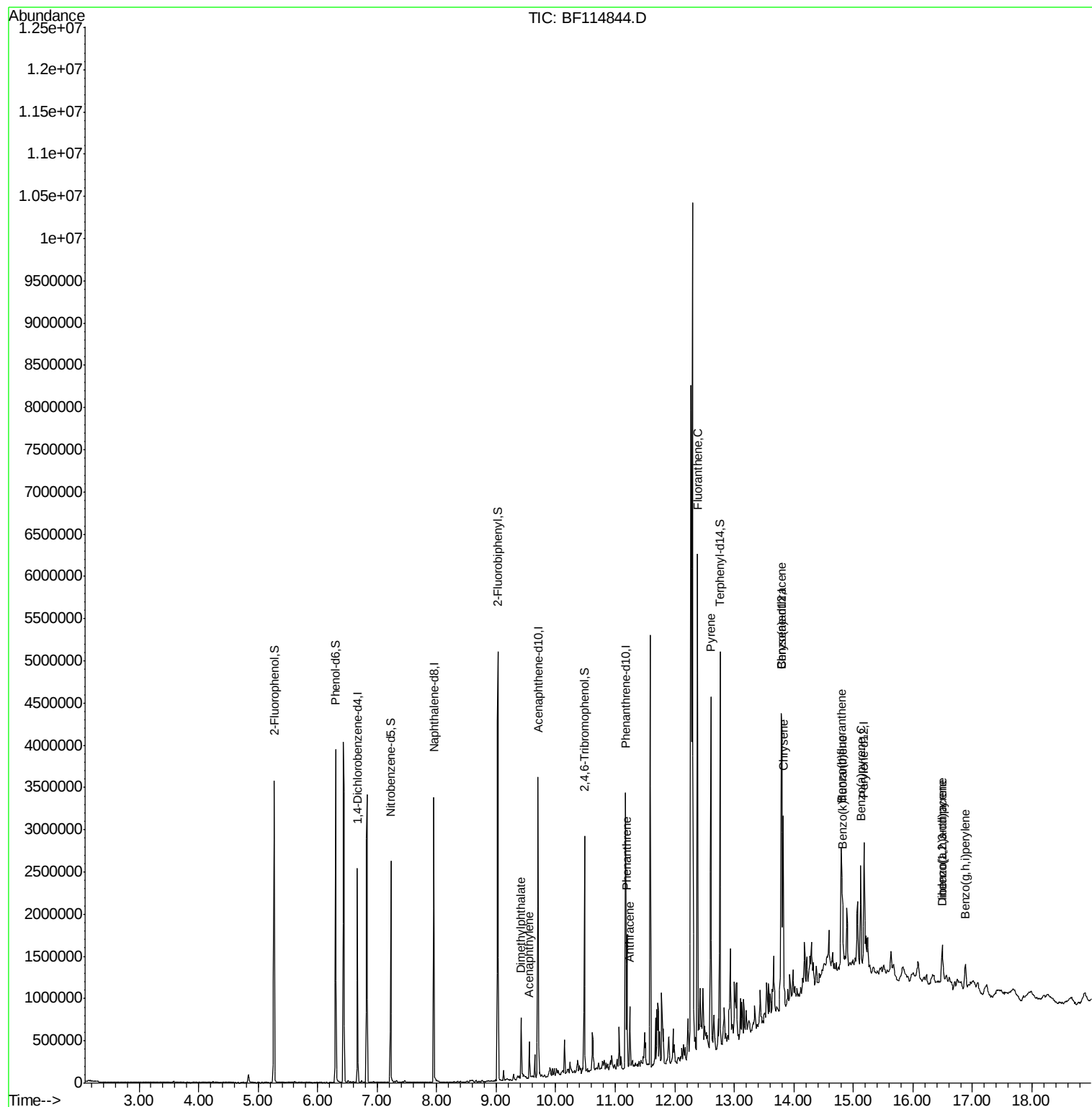
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
Data File : BF114844.D
Acq On : 6 Jun 2019 3:03
Operator : HP/JU
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ALS Vial : 23 Sample Multiplier: 1

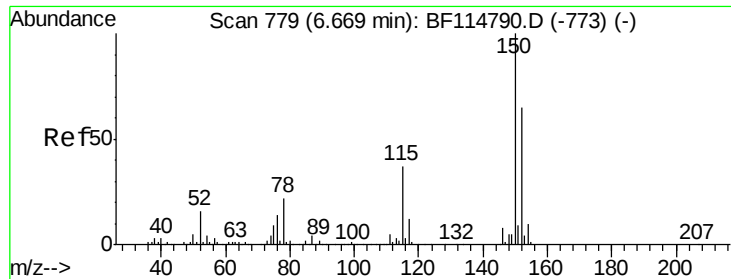
Instrument :
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Quant Time: Jun 06 08:04:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

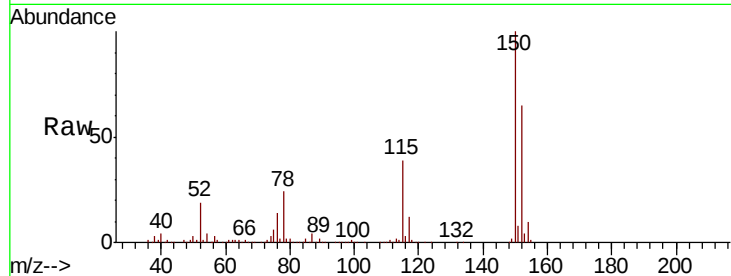
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114844.D
Acq: 6 Jun 2019 3:03

Instrument :
BNA_F
ClientSampleId :
SU-02-060419-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.0	186.0
115	60.3	46.3	69.5

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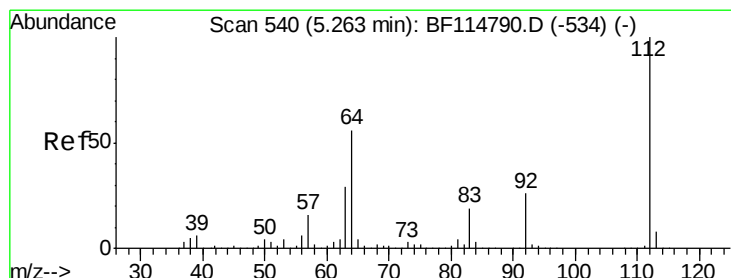
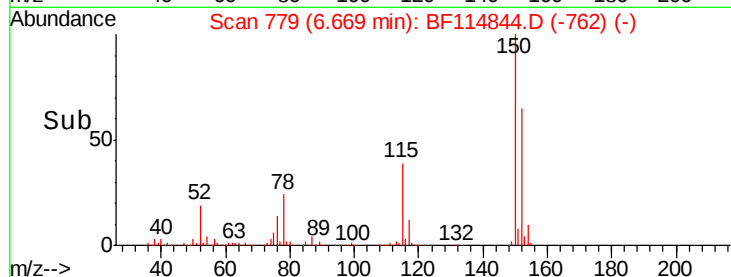
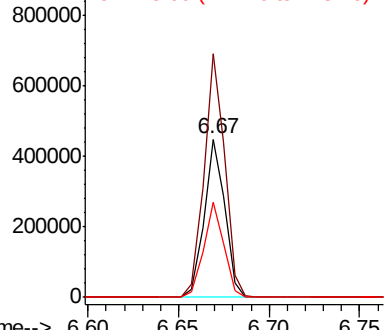


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

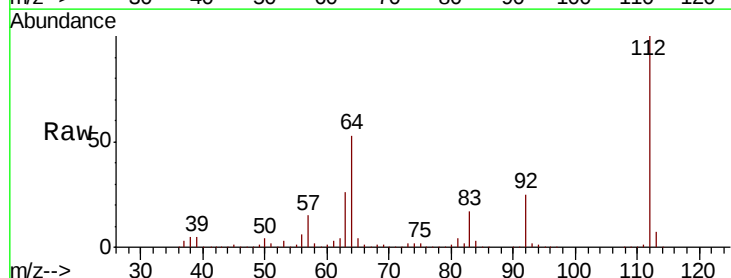
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.056 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF114844.D
Acq: 6 Jun 2019 3:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	44.6	66.8
63	26.4	23.0	34.4

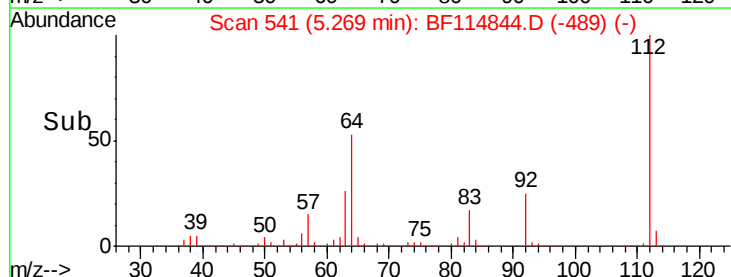
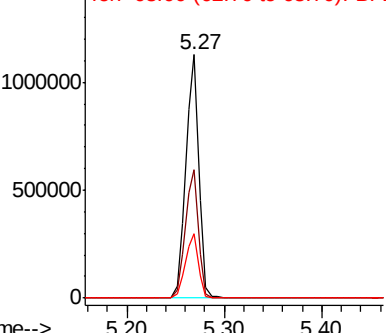


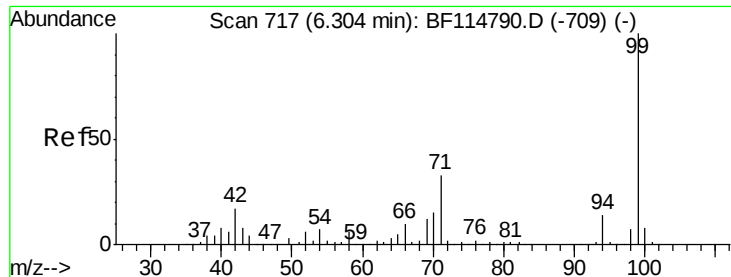
Abundance

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: 51.715 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF114844.D

Acq: 6 Jun 2019 3:03

Instrument :

BNA_F

ClientSampleId :

SU-02-060419-A

Tot Ion: 99 Resp: 1283879

Ion Ratio Lower Upper

99 100

42 15.9 13.3 19.9

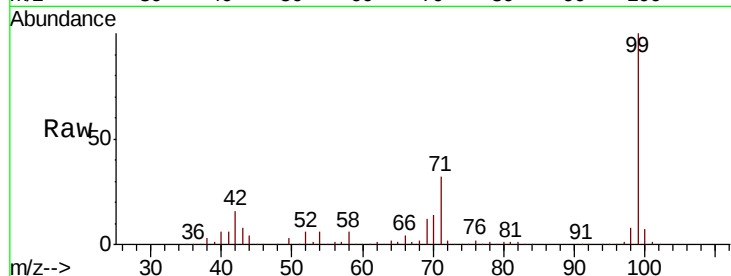
71 31.6 26.3 39.5

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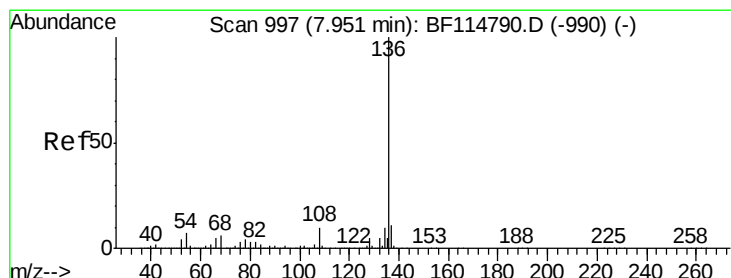
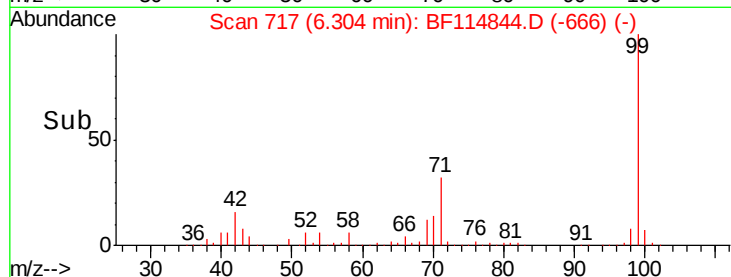
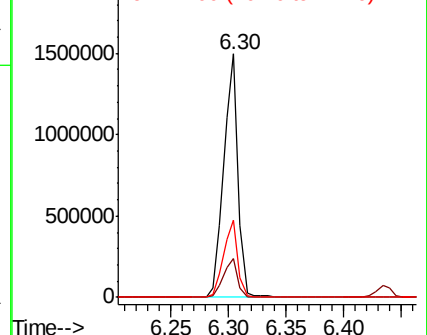
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.00 min

Lab File: BF114844.D

Acq: 6 Jun 2019 3:03

Tgt Ion: 136 Resp: 1363074

Ion Ratio Lower Upper

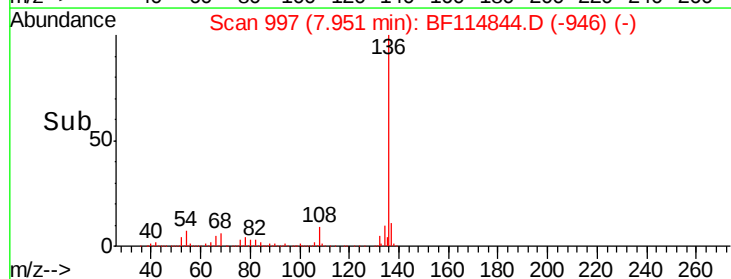
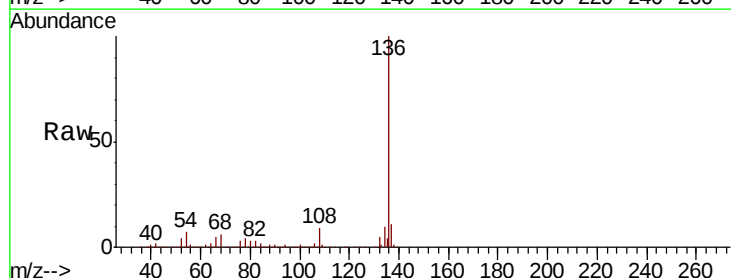
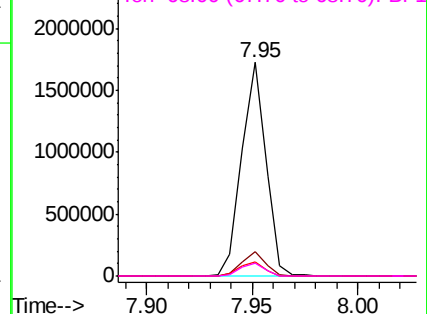
136 100

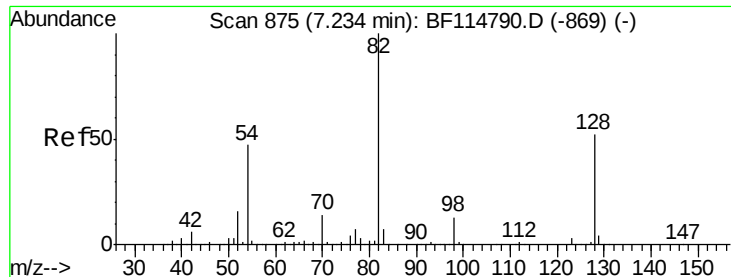
137 11.3 9.1 13.7

54 6.7 5.4 8.0

68 6.0 4.6 6.8

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





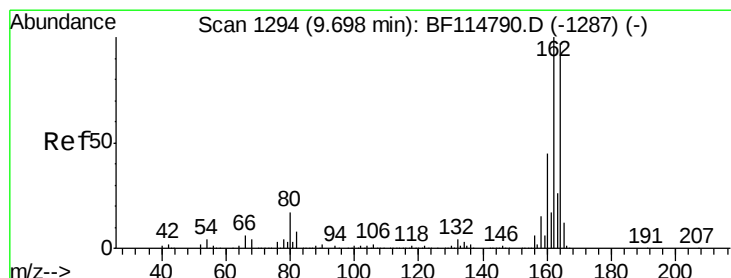
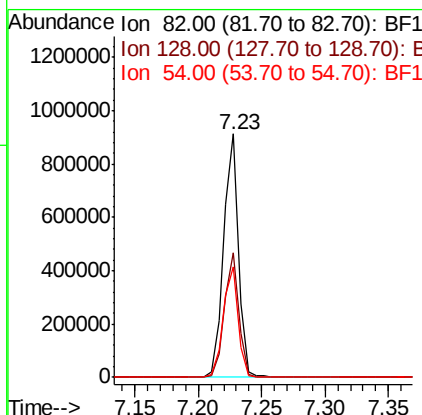
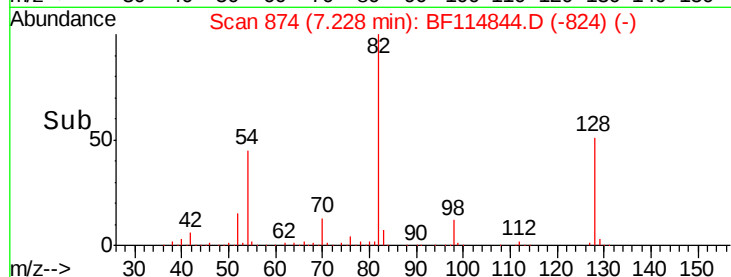
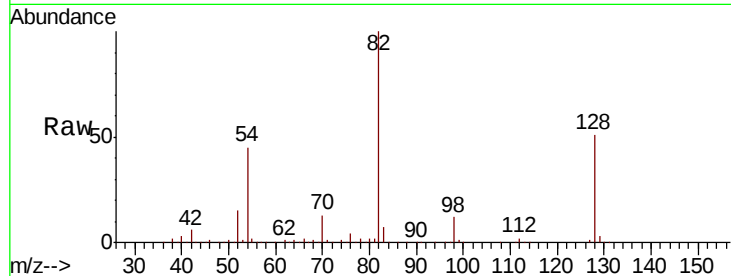
#23
 Nitrobenzene-d5
 Concen: 33.828 ng
 RT: 7.23 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: BF114844.D
 Acq: 6 Jun 2019 3:03

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-060419-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	51.3	41.8	62.6
54	45.2	37.9	56.9

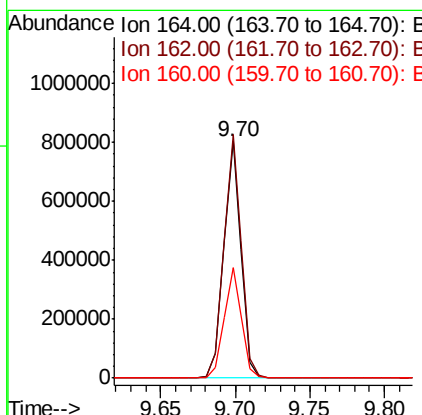
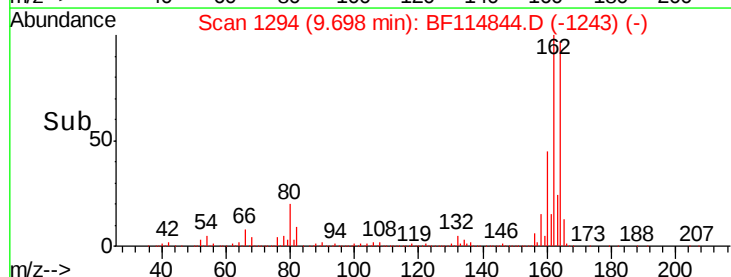
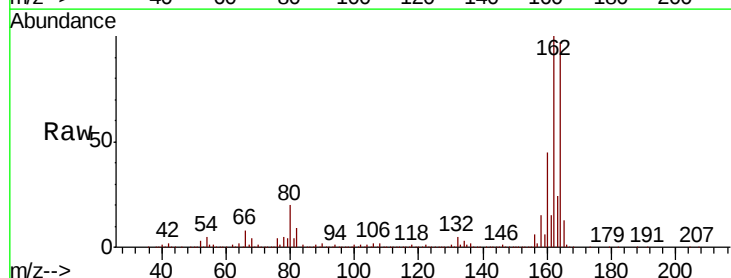
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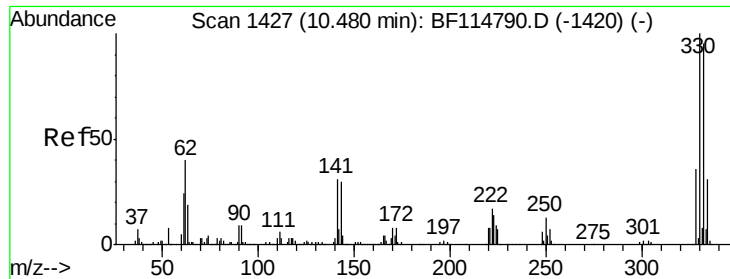
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: BF114844.D
 Acq: 6 Jun 2019 3:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.3	123.5
160	46.5	36.7	55.1





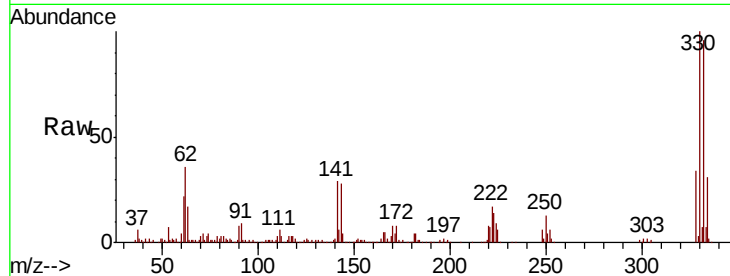
#42
 2,4,6-Tribromophenol
 Concen: 46.877 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: BF114844.D
 Acq: 6 Jun 2019 3:03

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-060419-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	331905		
332	95.2	77.3	115.9	
141	33.6	26.2	39.4	

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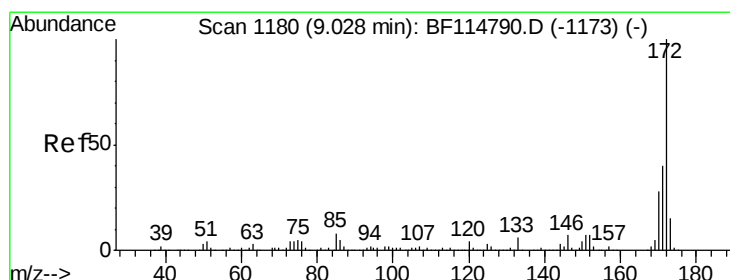
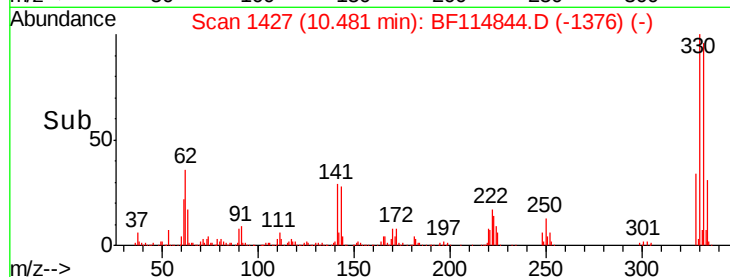
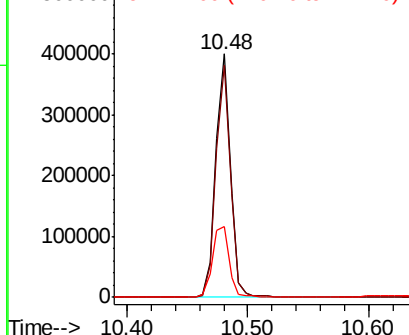


Abundance

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: 43.706 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: BF114844.D
 Acq: 6 Jun 2019 3:03

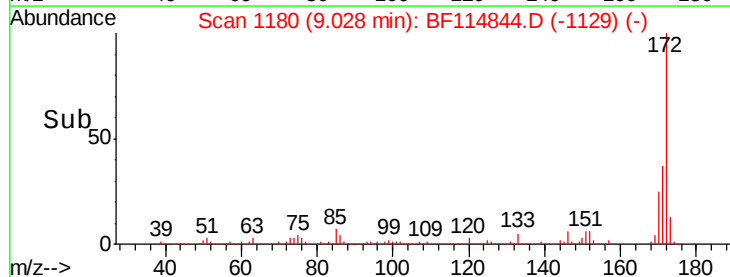
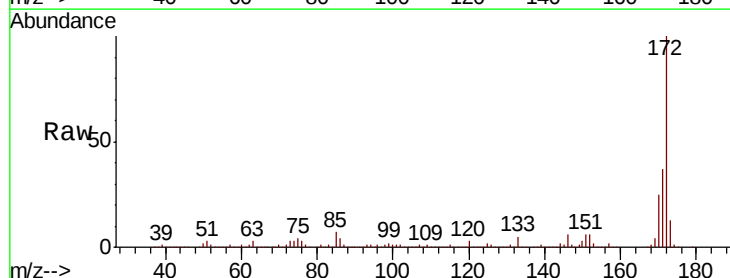
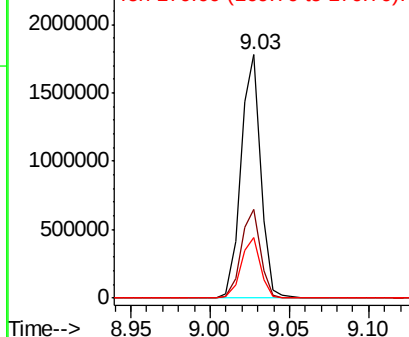
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1532898		
171	36.5	32.3	48.5	
170	24.7	22.4	33.6	

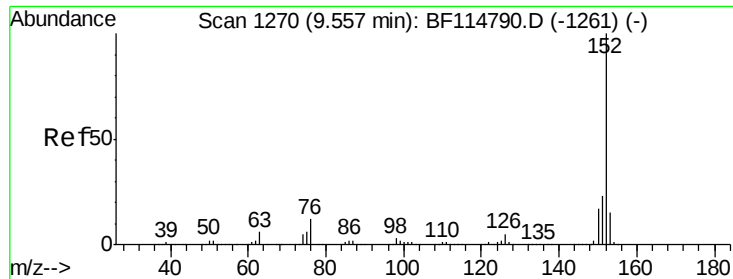
Abundance

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





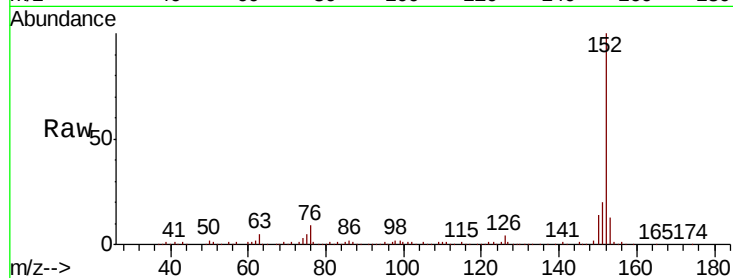
#49
Acenaphthylene
Concen: 2.853 ng
RT: 9.56 min Scan# 1270
Delta R.T. 0.00 min
Lab File: BF114844.D
Acq: 6 Jun 2019 3:03

Instrument :
BNA_F
ClientSampleId :
SU-02-060419-A

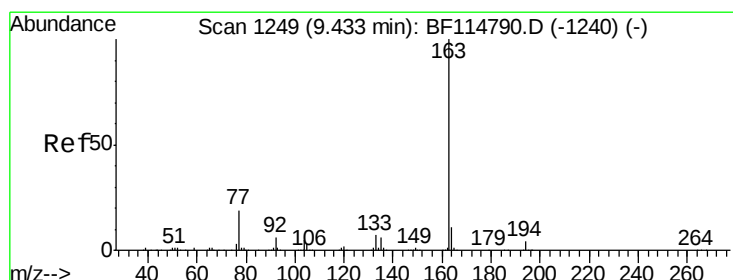
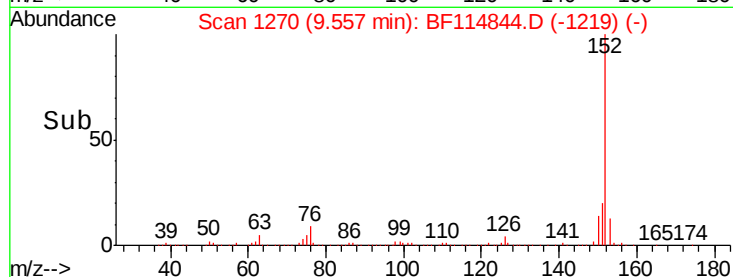
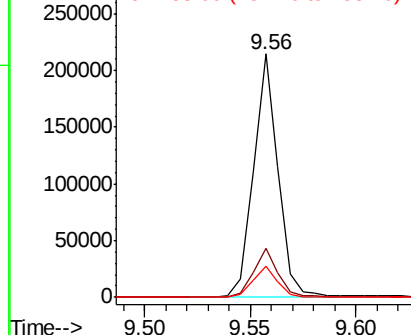
Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		171174		
151	20.0	18.3	27.5		
153	12.9	12.3	18.5		

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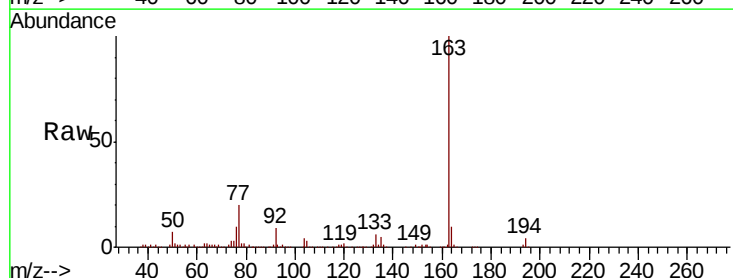


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

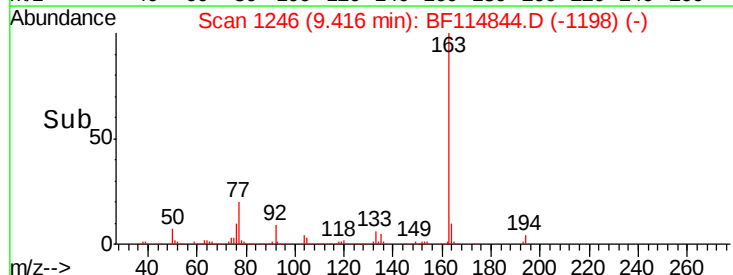
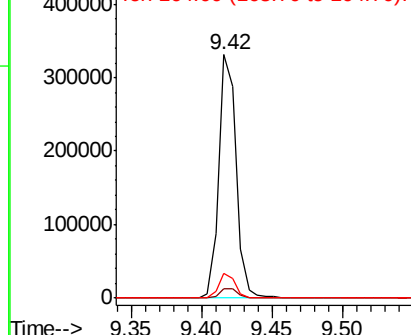


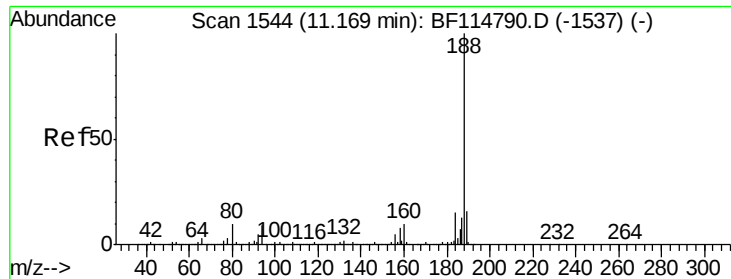
#50
Dimethylphthalate
Concen: 5.910 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF114844.D
Acq: 6 Jun 2019 3:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		283588		
194	3.9	3.4	5.2		
164	10.1	8.6	13.0		



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





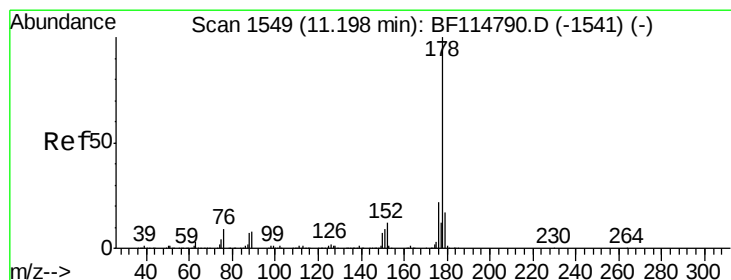
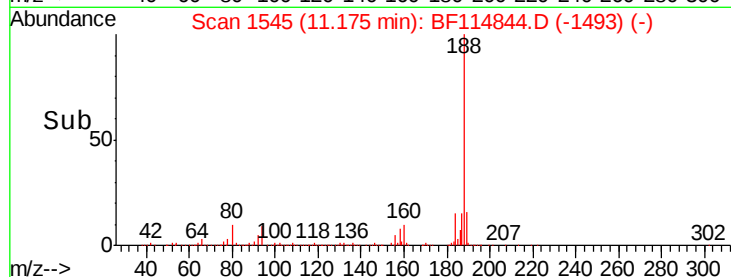
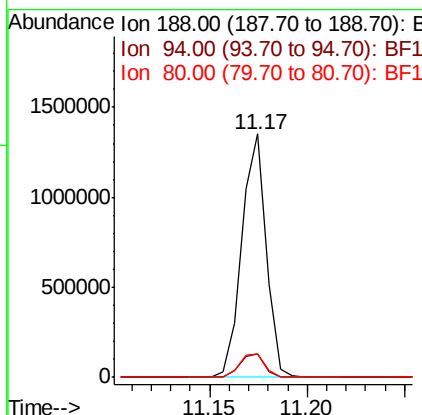
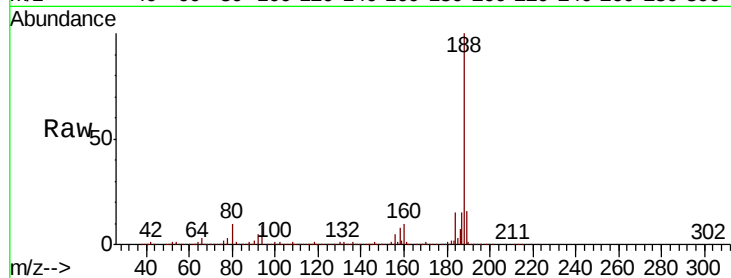
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1545
Delta R.T. 0.01 min
Lab File: BF114844.D
Acq: 6 Jun 2019 3:03

Instrument :
BNA_F
ClientSampleId :
SU-02-060419-A

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.6	11.4
80	9.6	8.3	12.5

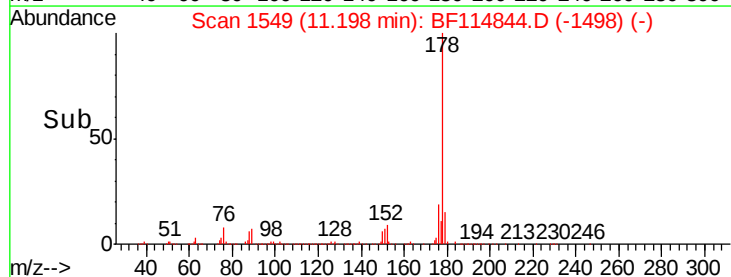
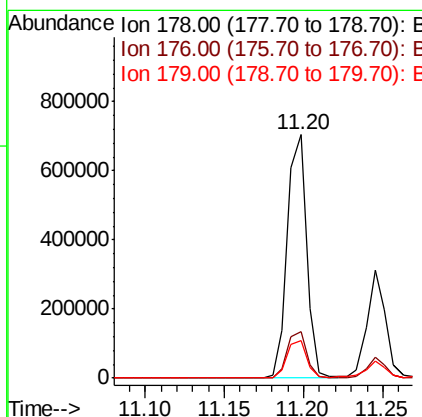
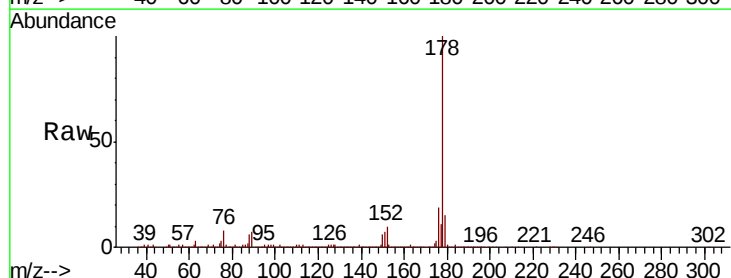
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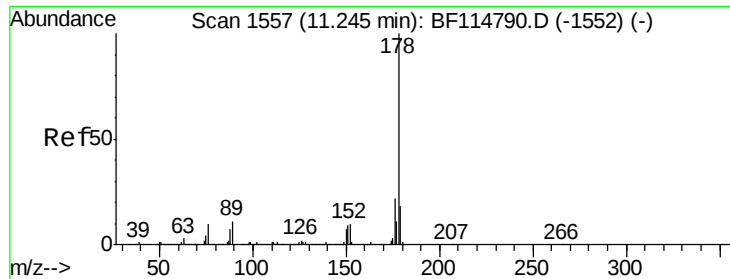
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#71
Phenanthrene
Concen: 10.688 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BF114844.D
Acq: 6 Jun 2019 3:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	17.7	26.5
179	15.5	13.7	20.5





#72

Anthracene

Concen: 4.279 ng

RT: 11.25 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF114844.D

Acq: 6 Jun 2019 3:03

Instrument :

BNA_F

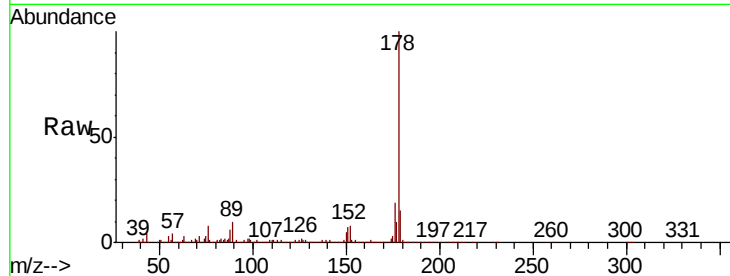
ClientSampleId :

SU-02-060419-A

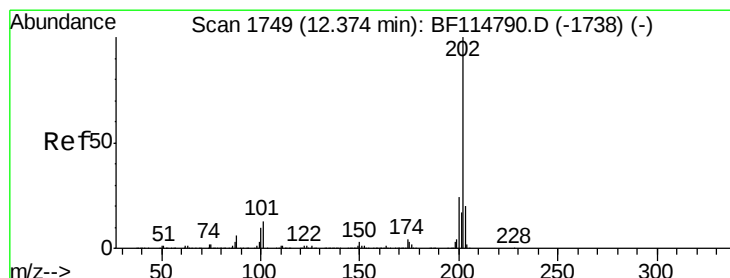
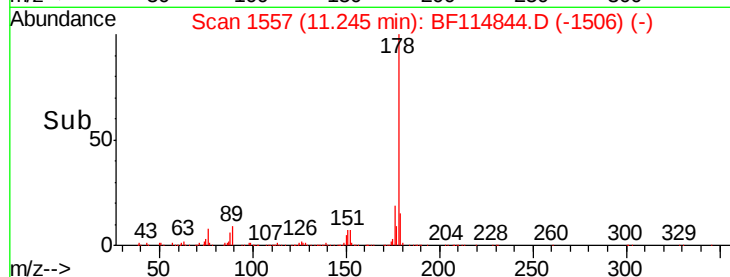
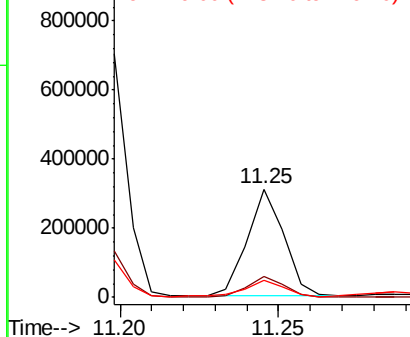
Tot Ion:	178	Resp:	250955
Ion Ratio	Lower	Upper	
178	100		
176	19.1	17.4	26.0
179	15.5	14.2	21.4

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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



#75

Fluoranthene

Concen: 29.521 ng

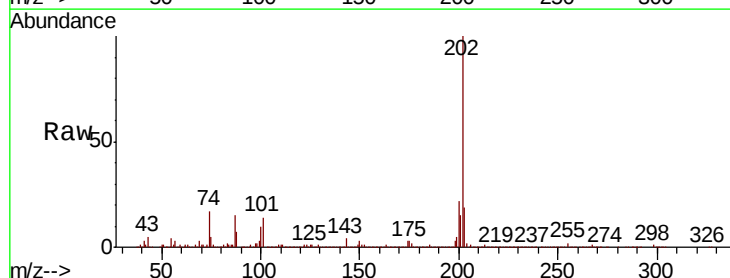
RT: 12.38 min Scan# 1750

Delta R.T. 0.01 min

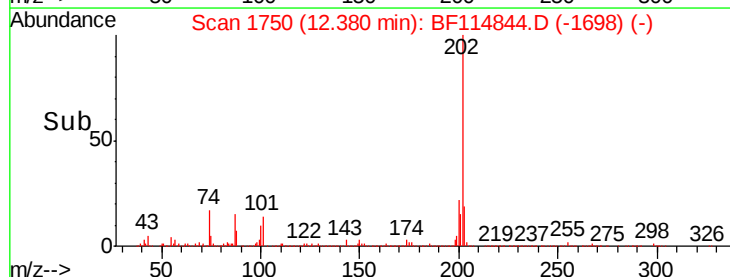
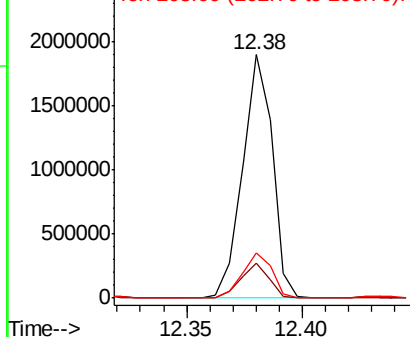
Lab File: BF114844.D

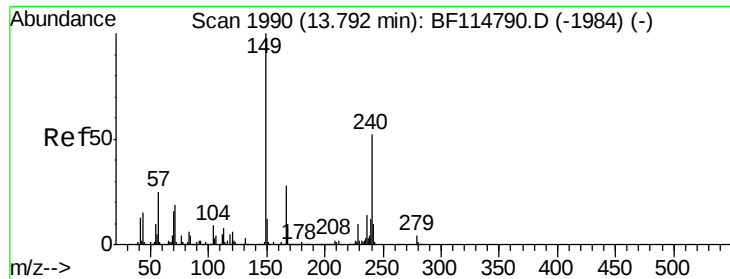
Acq: 6 Jun 2019 3:03

Tgt Ion:	202	Resp:	1712105
Ion Ratio	Lower	Upper	
202	100		
101	14.3	0.0	32.8
203	18.8	0.2	40.2



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





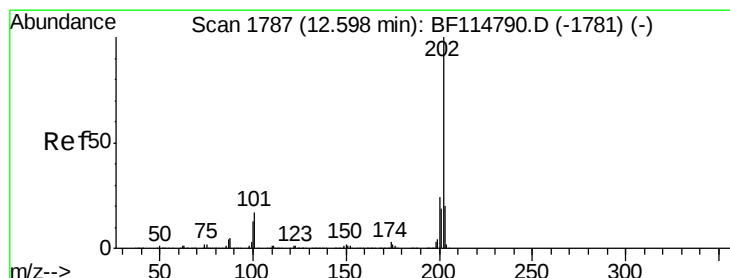
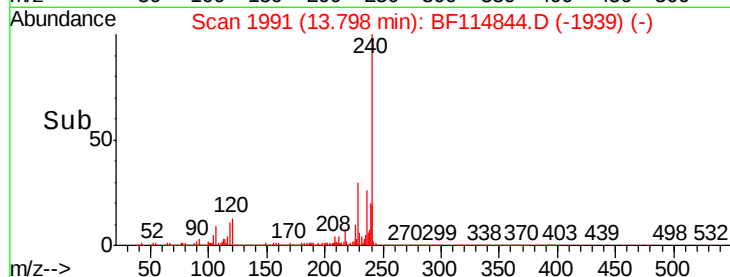
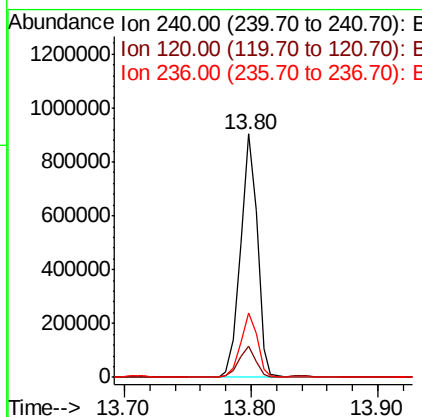
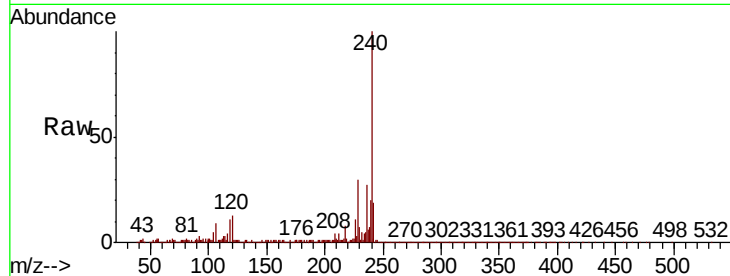
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.80 min Scan# 1991
Delta R.T. 0.01 min
Lab File: BF114844.D
Acq: 6 Jun 2019 3:03

Instrument :
BNA_F
ClientSampleId :
SU-02-060419-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.0	13.4
236	26.7	21.4	32.0

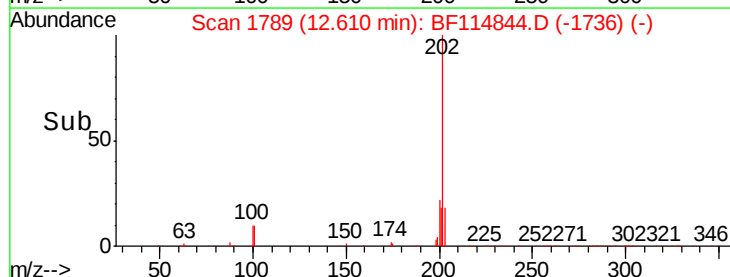
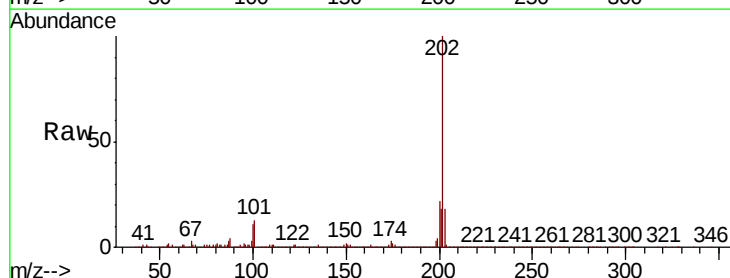
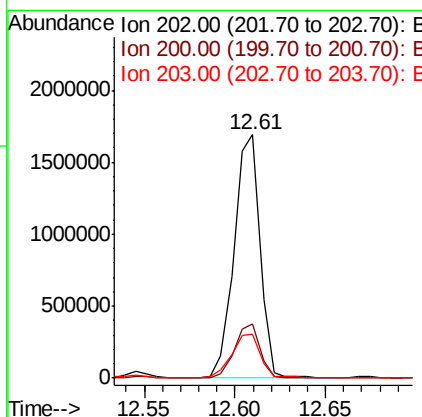
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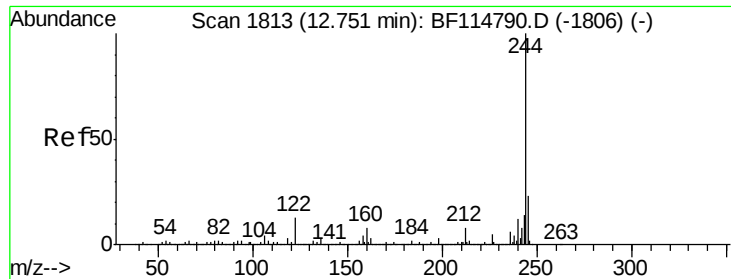
mohammad
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#78
Pyrene
Concen: 23.758 ng
RT: 12.61 min Scan# 1789
Delta R.T. 0.01 min
Lab File: BF114844.D
Acq: 6 Jun 2019 3:03

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	19.2	28.8
203	18.2	15.9	23.9





#79

Terphenyl-d14

Concen: 36.164 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BF114844.D

Acq: 6 Jun 2019 3:03

Instrument :

BNA_F

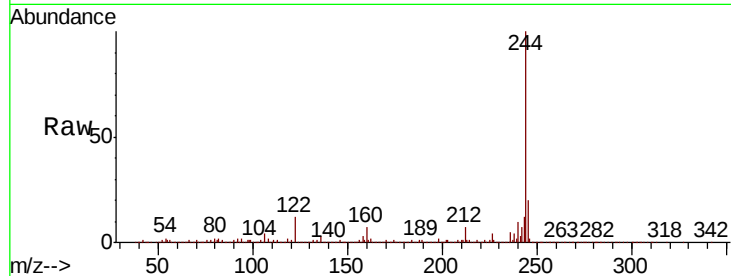
ClientSampleId :

SU-02-060419-A

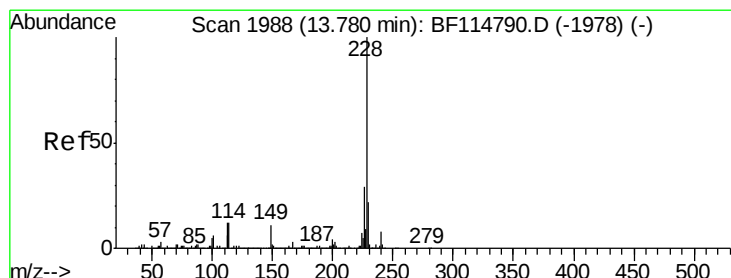
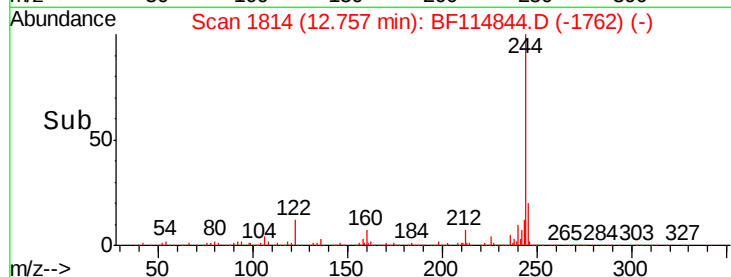
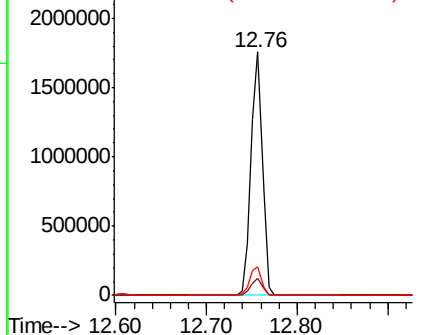
Tot Ion:244	Resp: 1510857
Ion Ratio	Lower Upper
244 100	
212 6.8	6.5 9.7
122 11.8	10.5 15.7

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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: 15.493 ng m

RT: 13.79 min Scan# 1989

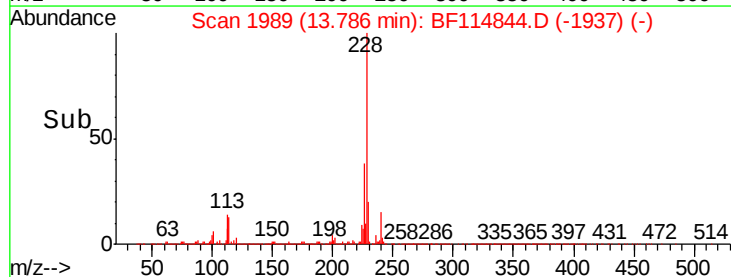
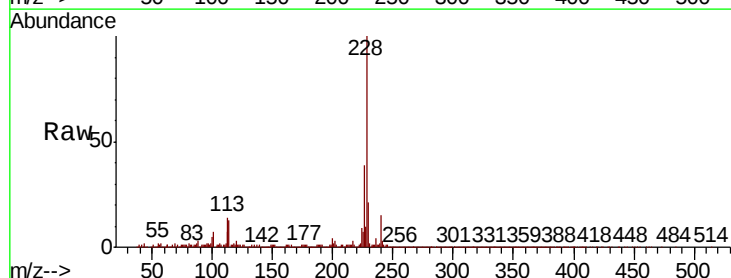
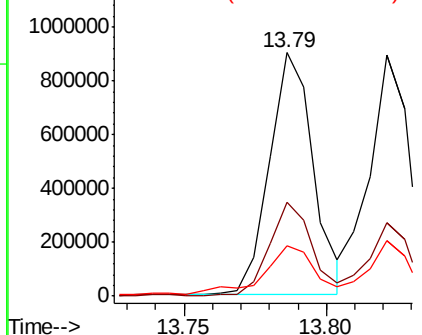
Delta R.T. 0.01 min

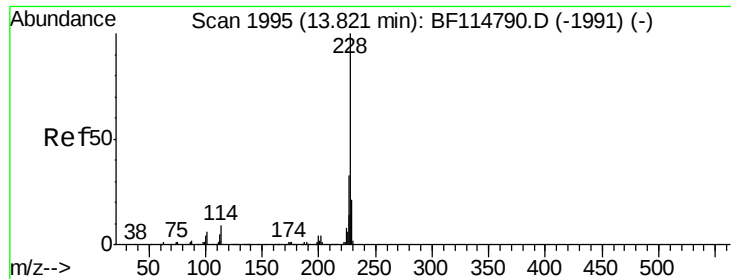
Lab File: BF114844.D

Acq: 6 Jun 2019 3:03

Tgt	Ion:228	Resp:	970031
Ion	Ratio	Lower	Upper
228	100		
226	38.5	23.4	35.2#
229	20.8	17.4	26.0

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





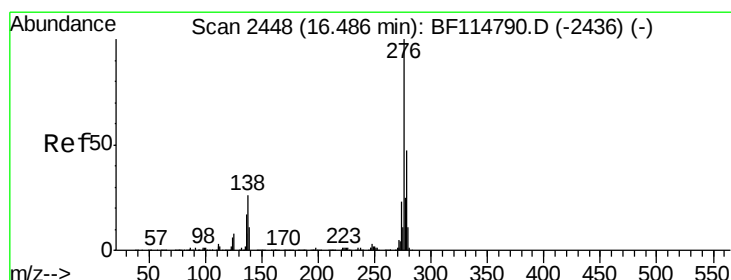
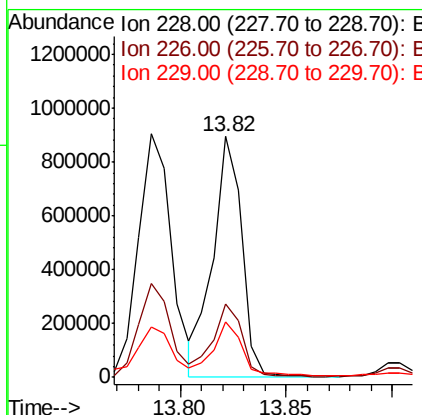
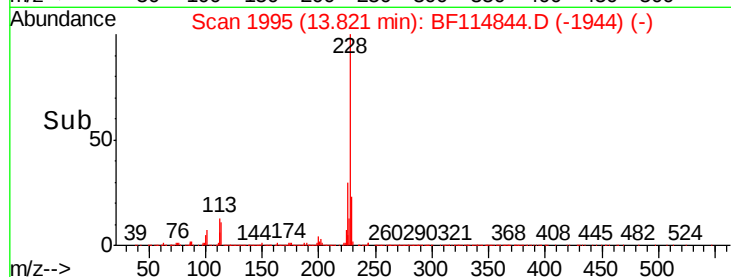
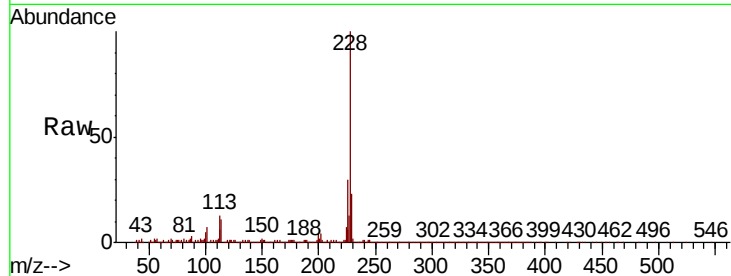
#83
Chrysene
Concen: 13.878 ng
RT: 13.82 min Scan# 1995
Delta R.T. 0.00 min
Lab File: BF114844.D
Acq: 6 Jun 2019 3:03

Instrument :
BNA_F
ClientSampleId :
SU-02-060419-A

Tot Ion:	228	Resp:	845223
Ion Ratio	Lower	Upper	
228	100		
226	30.5	26.0	39.0
229	23.0	17.1	25.7

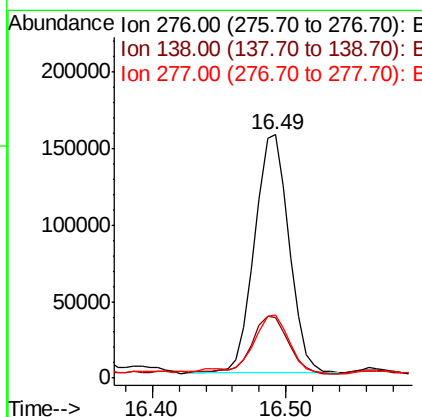
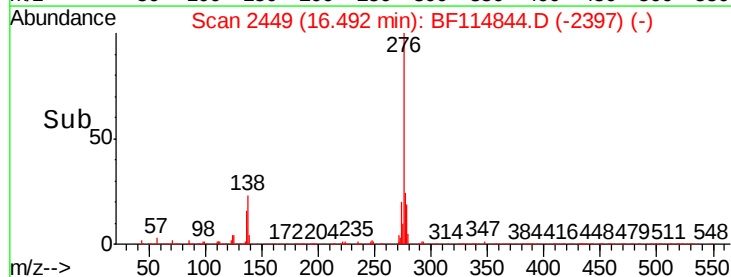
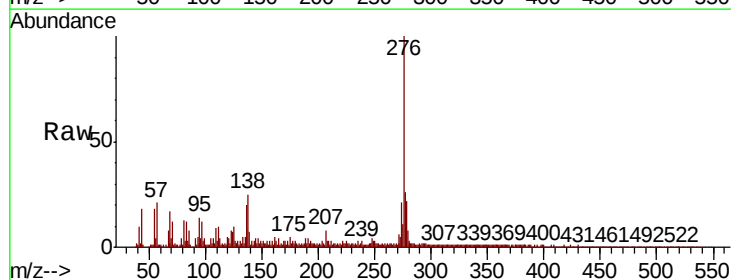
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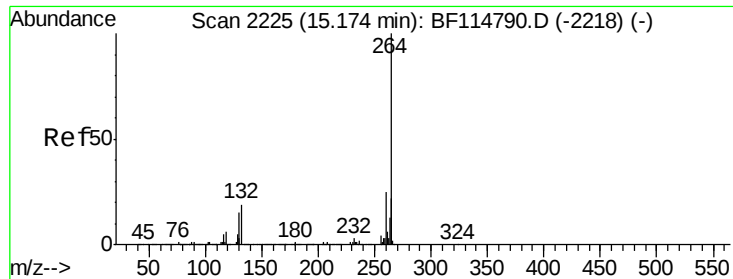
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.006 ng
RT: 16.49 min Scan# 2449
Delta R.T. 0.01 min
Lab File: BF114844.D
Acq: 6 Jun 2019 3:03

Tgt Ion:	276	Resp:	278363
Ion Ratio	Lower	Upper	
276	100		
138	25.6	22.2	33.4
277	27.1	20.6	30.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.18 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BF114844.D

Acq: 6 Jun 2019 3:03

Instrument :

BNA_F

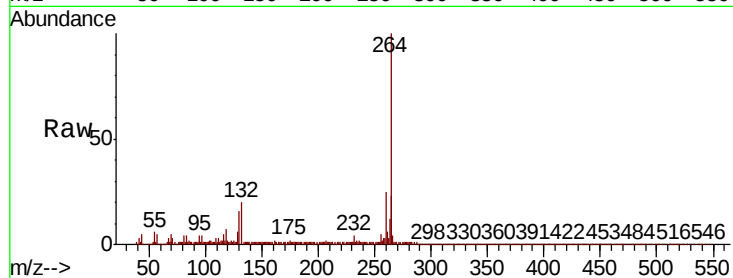
ClientSampleId :

SU-02-060419-A

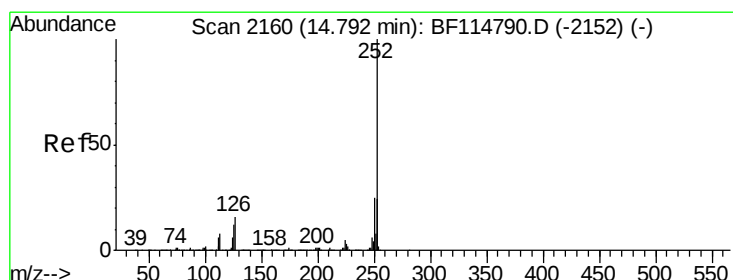
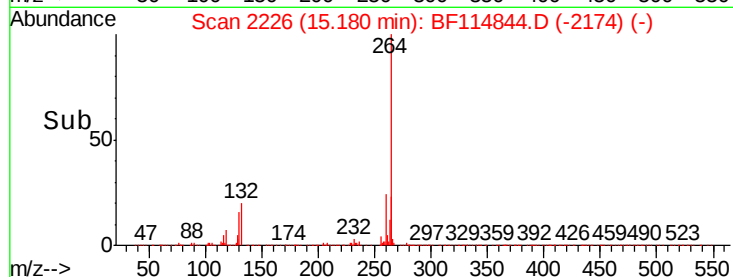
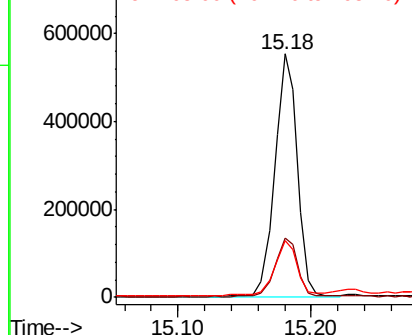
Tot Ion:	264	Resp:	647633
Ion Ratio	Lower	Upper	
264	100		
260	24.5	20.1	30.1
265	23.1	17.7	26.5

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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: 18.436 ng m

RT: 14.80 min Scan# 2161

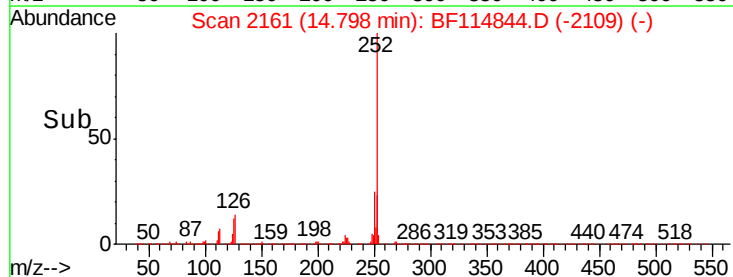
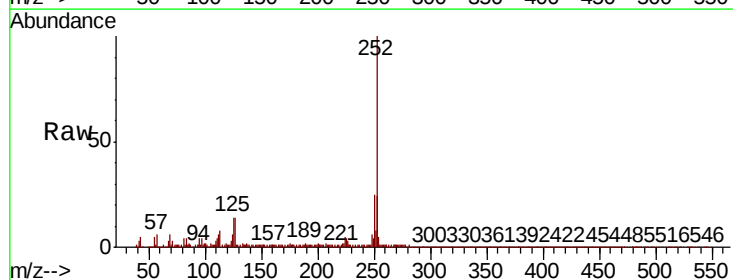
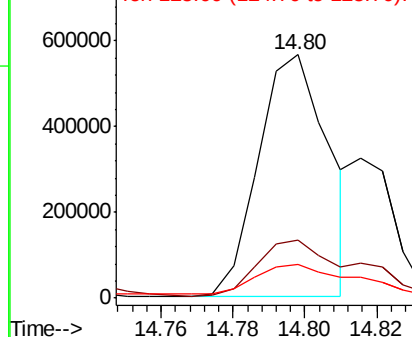
Delta R.T. 0.01 min

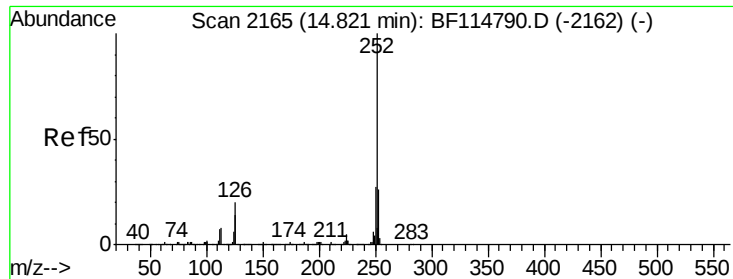
Lab File: BF114844.D

Acq: 6 Jun 2019 3:03

Tgt Ion:	252	Resp:	760110
Ion Ratio	Lower	Upper	
252	100		
253	23.8	19.0	28.6
125	13.9	9.4	14.0

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: 7.558 ng/mL

RT: 14.82 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF114844.D

Acq: 6 Jun 2019 3:03

Instrument :

BNA_F

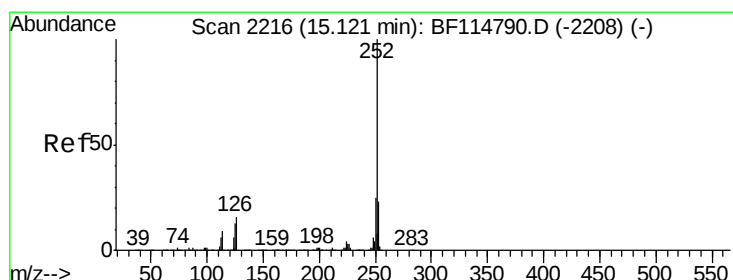
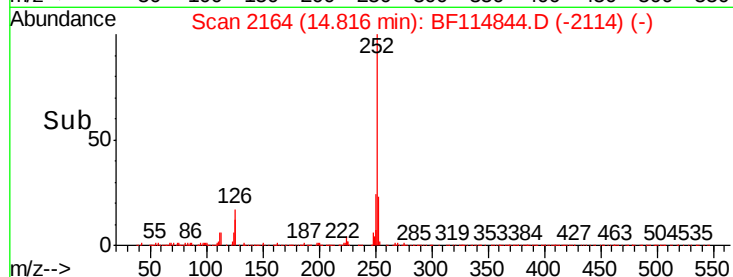
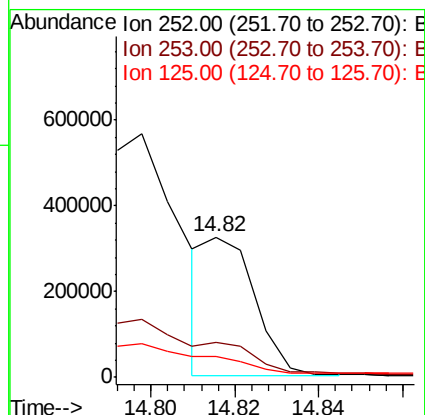
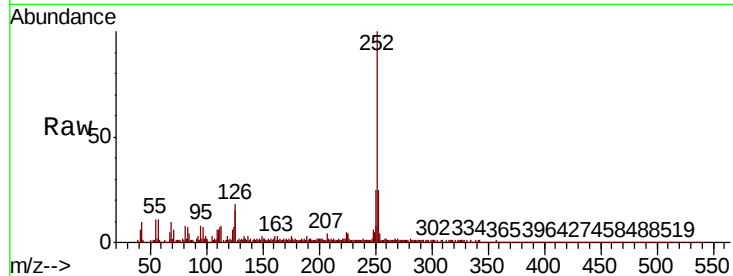
ClientSampleId :

SU-02-060419-A

Tot Ion:	252	Resp:	264641
Ion Ratio	Lower	Upper	
252	100		
253	24.8	19.3	28.9
125	14.8	10.1	15.1

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#90

Benzo(a)pyrene

Concen: 14.335 ng/mL

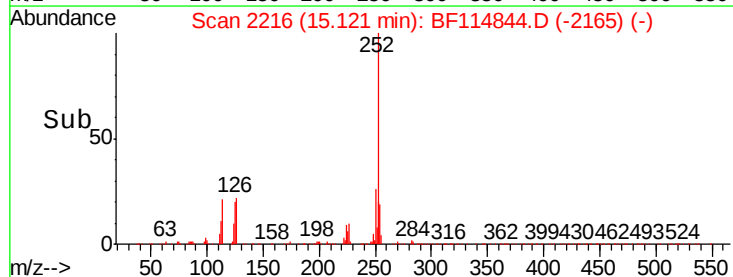
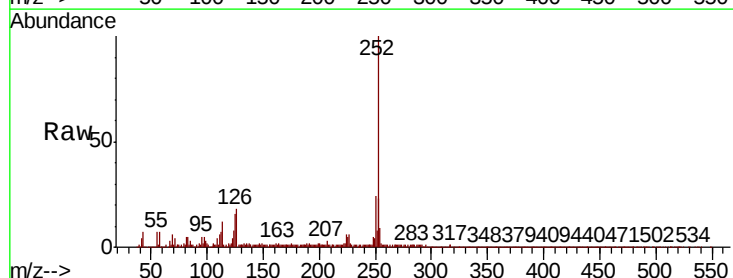
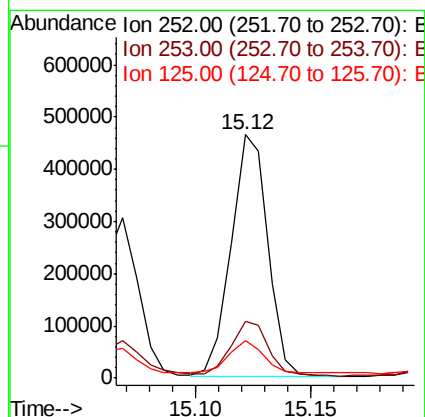
RT: 15.12 min Scan# 2216

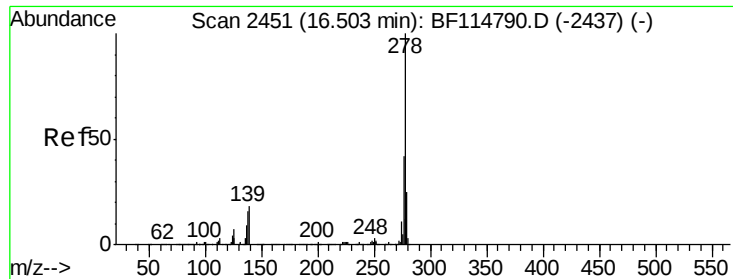
Delta R.T. 0.00 min

Lab File: BF114844.D

Acq: 6 Jun 2019 3:03

Tgt Ion:	252	Resp:	511543
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.5	27.7
125	15.6	10.1	15.1#





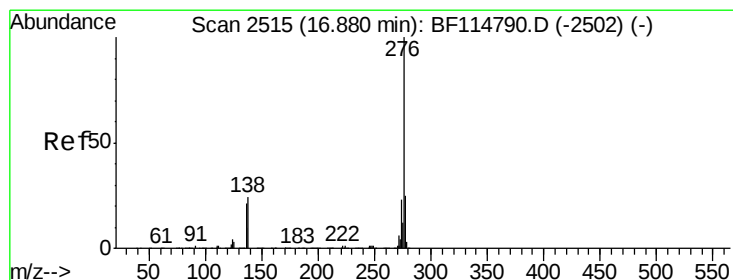
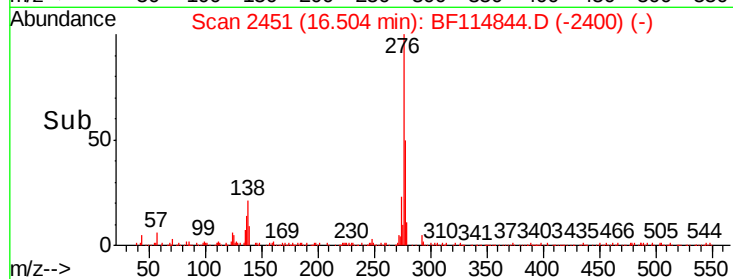
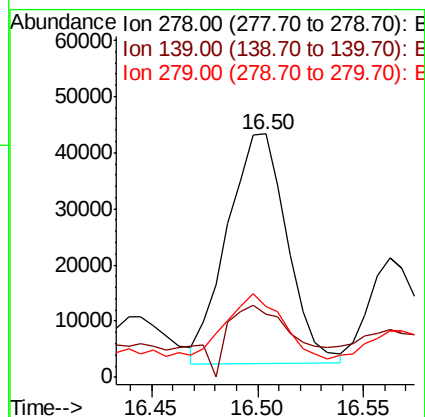
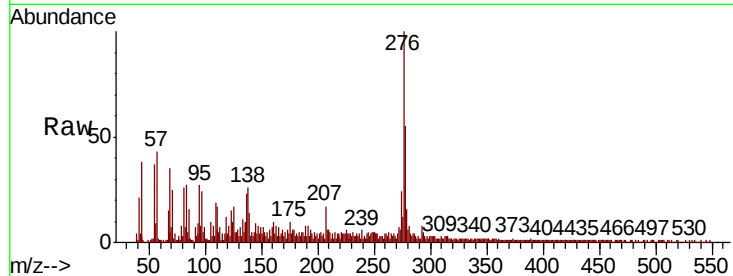
#91
Dibenzo(a,h)anthracene
Concen: 2.382 ng
RT: 16.50 min Scan# 2451
Delta R.T. 0.00 min
Lab File: BF114844.D
Acq: 6 Jun 2019 3:03

Instrument :
BNA_F
ClientSampleId :
SU-02-060419-A

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.8	14.6	22.0
279	29.3	20.1	30.1

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#92
Benzo(g,h,i)perylene
Concen: 7.096 ng
RT: 16.88 min Scan# 2515
Delta R.T. 0.00 min
Lab File: BF114844.D
Acq: 6 Jun 2019 3:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.8	29.6
138	25.9	19.4	29.2

