

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
 Data File : BF114947.D
 Acq On : 11 Jun 2019 15:38
 Operator : HP/JU
 Sample : K3158-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-060619

Manual Integrations
 APPROVED

mohammad
 6/12/2019 9:03:58 AM

Quant Time: Jun 11 16:42:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 16:44:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	234540	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	919756	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	456656	20.00	ng	0.00
64) Phenanthrene-d10	11.16	188	815868	20.00	ng	0.00
76) Chrysene-d12	13.79	240	603623	20.00	ng	0.00
87) Perylene-d12	15.19	264	412046	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	638028	46.04	ng	0.00
7) Phenol-d6	6.30	99	801957	47.98	ng	0.00
23) Nitrobenzene-d5	7.22	82	458832	30.65	ng	0.00
42) 2,4,6-Tribromophenol	10.47	330	208456	41.96	ng	0.00
45) 2-Fluorobiphenyl	9.02	172	965610	33.56	ng	0.00
79) Terphenyl-d14	12.74	244	962922	31.72	ng	0.00
Target Compounds						
49) Acenaphthylene	9.55	152	121097	2.849	ng	96
50) Dimethylphthalate	9.41	163	90792	2.645	ng	99
71) Phenanthrene	11.19	178	297240	7.509	ng	97
72) Anthracene	11.24	178	98736	2.458	ng	96
75) Fluoranthene	12.37	202	540979	13.213	ng	96
78) Pyrene	12.60	202	584241	11.114	ng	95
81) Benzo(a)anthracene	13.78	228	322907m	7.235	ng	
83) Chrysene	13.82	228	293643	6.552	ng	96
86) Indeno(1,2,3-cd)pyrene	16.50	276	121216	2.877	ng	96
88) Benzo(b)fluoranthene	14.80	252	308103m	11.485	ng	
89) Benzo(k)fluoranthene	14.82	252	105263m	4.522	ng	
90) Benzo(a)pyrene	15.13	252	205418	8.816	ng	# 91
92) Benzo(a,h,i)perylene	16.89	276	124975	6.370	ng	92

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

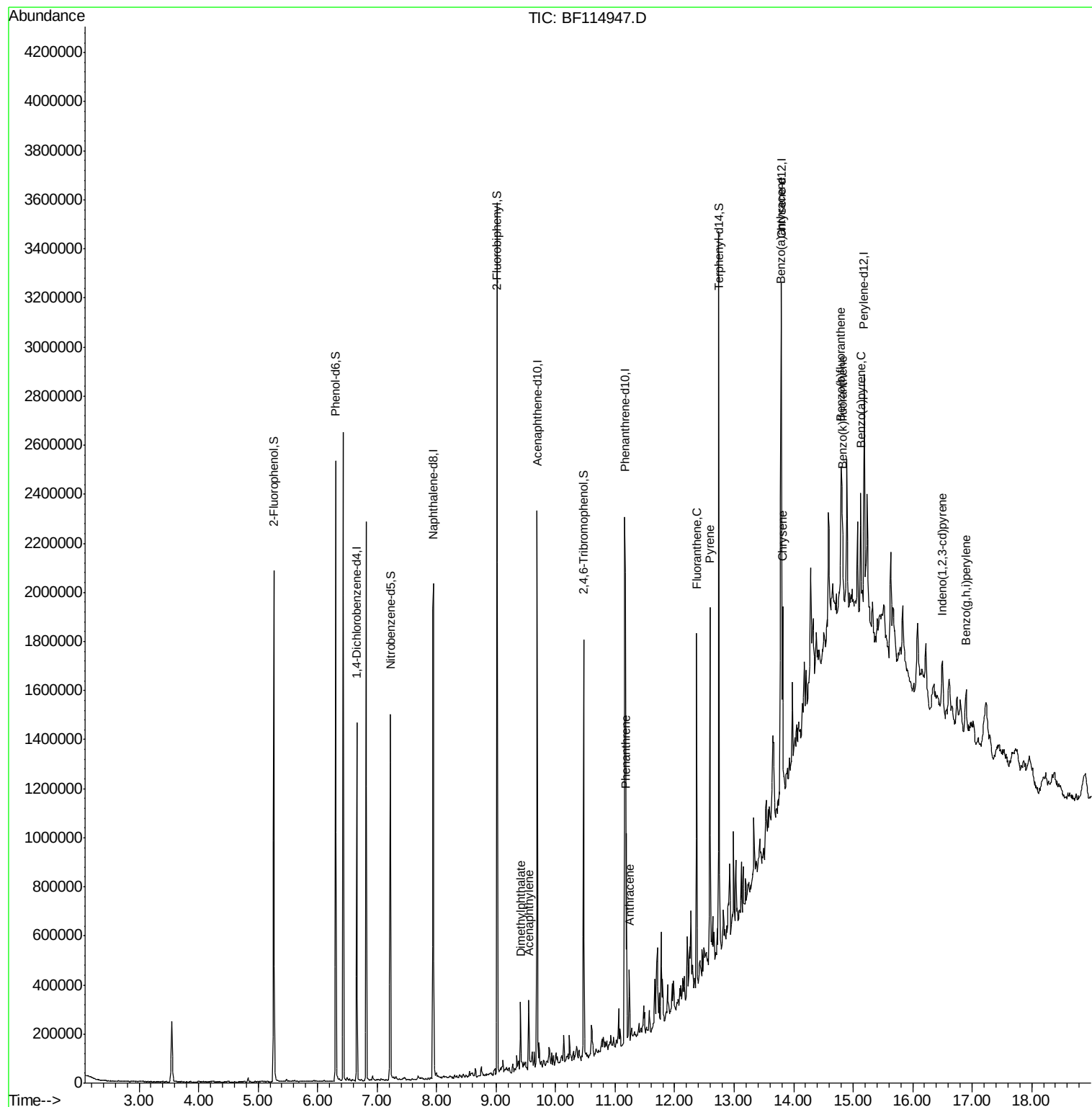
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
Data File : BF114947.D
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Operator : HP/JU
Sample : K3158-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

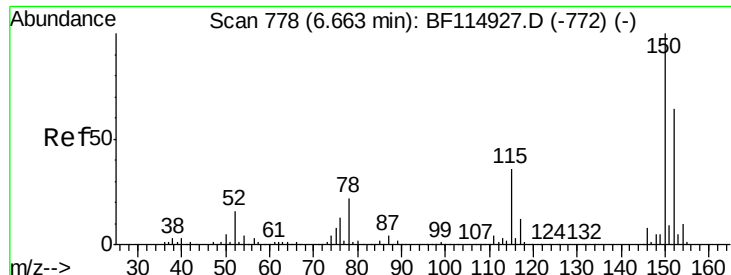
Instrument :
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Quant Time: Jun 11 16:42:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

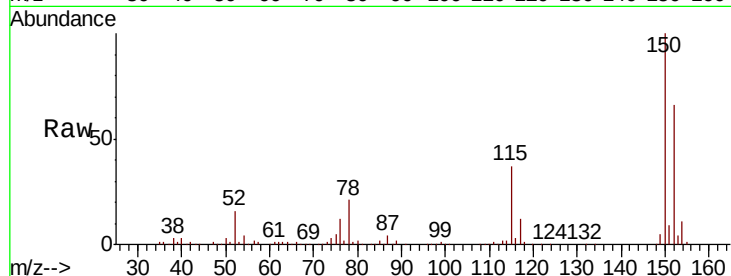
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.00 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Instrument :
BNA_F
ClientSampleId :
OK-03-060619

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.0	125.2	187.8
115	55.6	45.0	67.4

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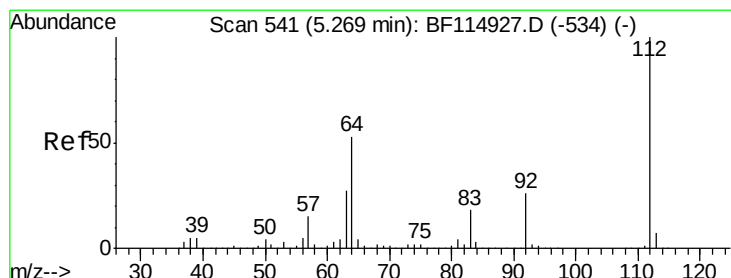
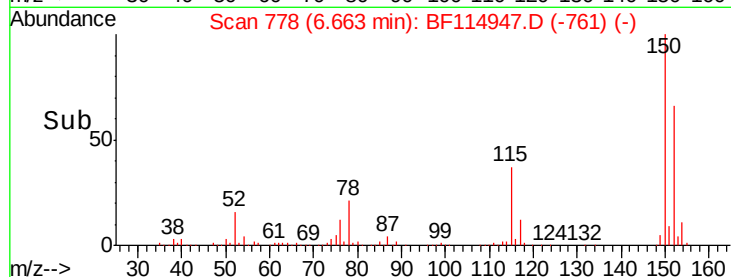
Abundance

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

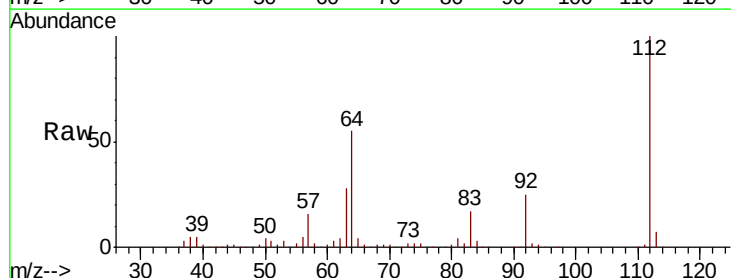
Time-->



#5

2-Fluorophenol
Concen: 46.039 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	42.1	63.1
63	27.6	21.8	32.8



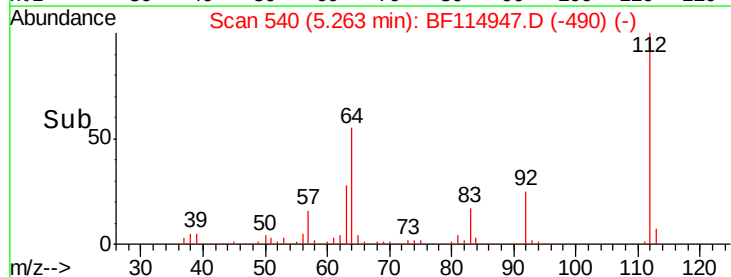
Abundance

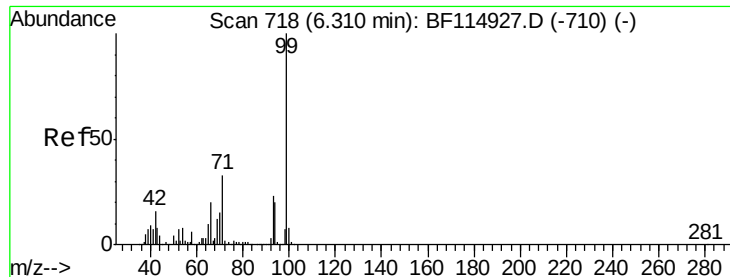
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 47.976 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF114947.D

Acq: 11 Jun 2019 15:38

Instrument :

BNA_F

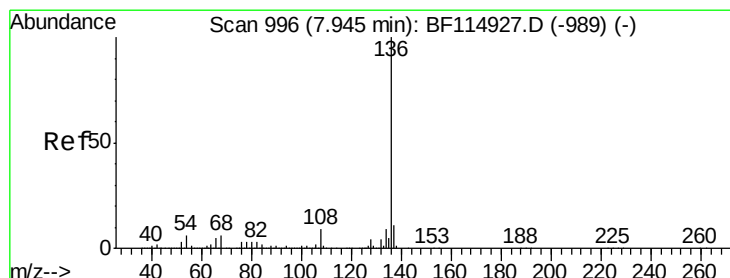
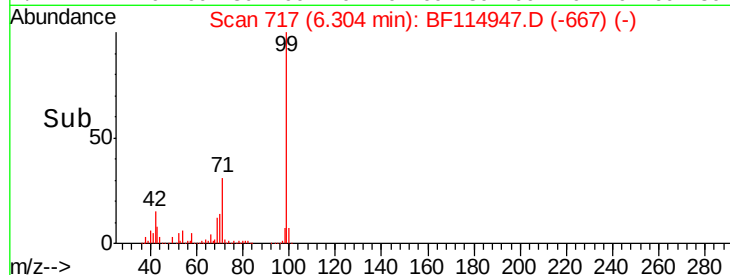
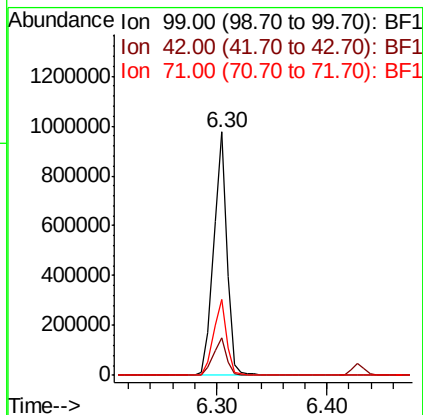
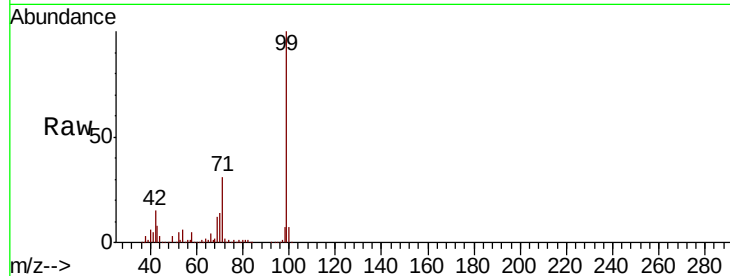
ClientSampleId :

OK-03-060619

Tot Ion:	99	Resp:	801957
Ion Ratio	Lower	Upper	
99	100		
42	15.4	13.1	19.7
71	31.3	26.8	40.2

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#21

Naphthalene-d8

Concen: 20.000 ng

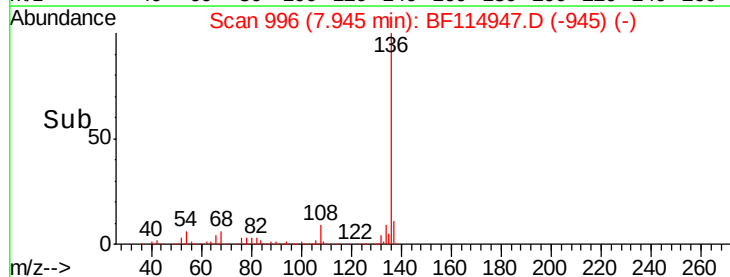
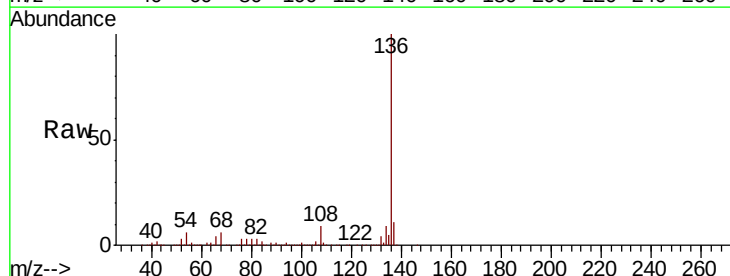
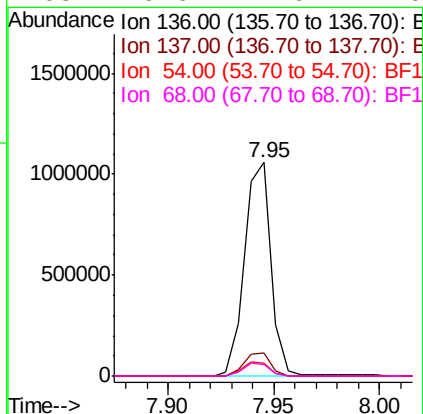
RT: 7.95 min Scan# 996

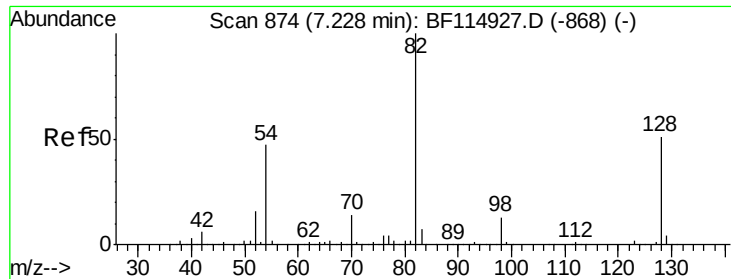
Delta R.T. -0.00 min

Lab File: BF114947.D

Acq: 11 Jun 2019 15:38

Tgt Ion:	136	Resp:	919756
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.6
54	5.8	5.2	7.8
68	5.6	4.6	7.0





#23

Nitrobenzene-d5

Concen: 30.651 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF114947.D

Acq: 11 Jun 2019 15:38

Instrument :

BNA_F

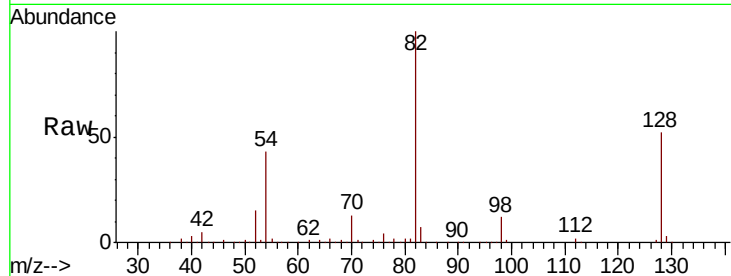
ClientSampleId :

OK-03-060619

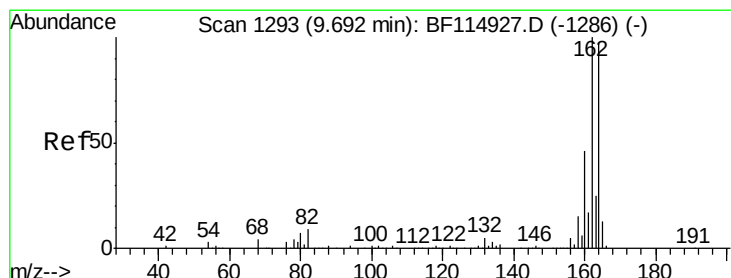
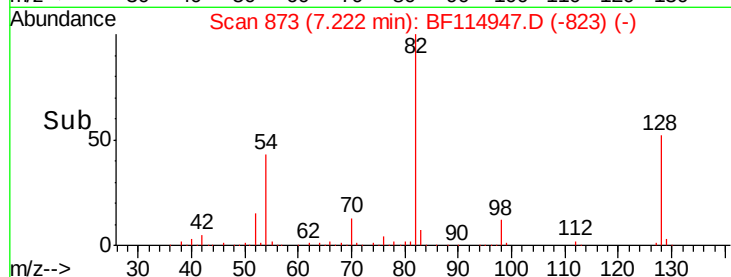
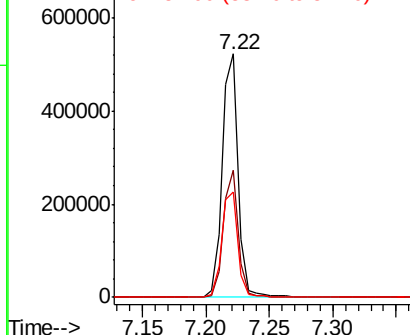
Tot Ion:	82	Resp:	458832
Ion Ratio	Lower	Upper	
82	100		
128	52.1	40.9	61.3
54	43.4	37.4	56.0

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Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

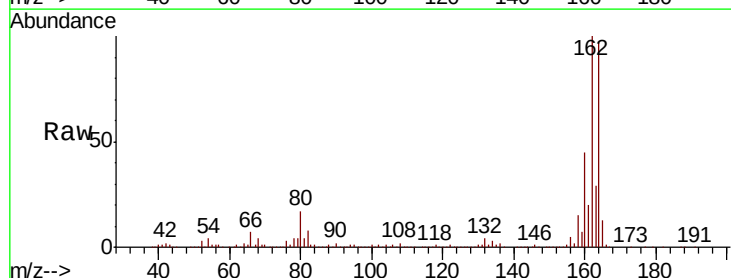
RT: 9.69 min Scan# 1293

Delta R.T. -0.00 min

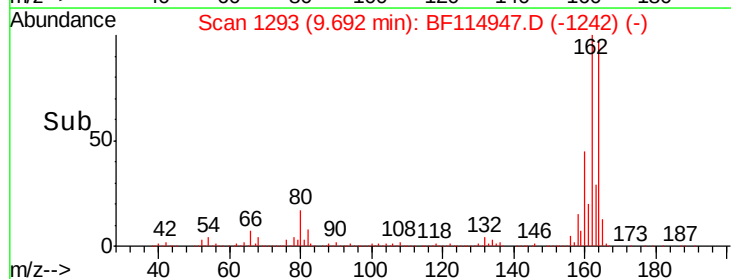
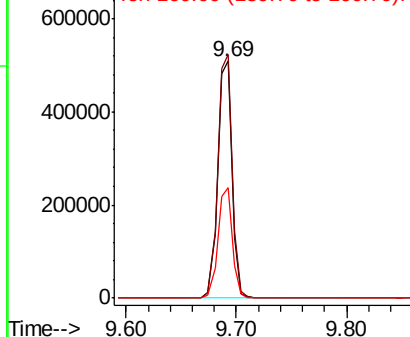
Lab File: BF114947.D

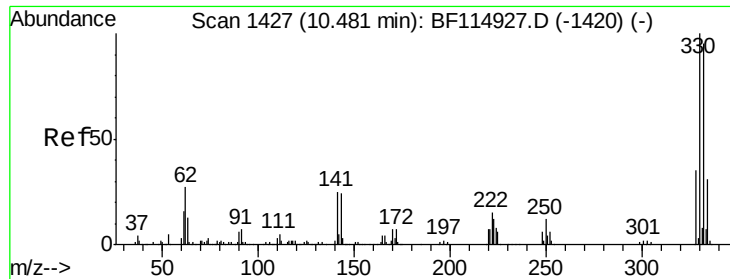
Acq: 11 Jun 2019 15:38

Tgt Ion:	164	Resp:	456656
Ion Ratio	Lower	Upper	
164	100		
162	102.8	82.4	123.6
160	46.4	37.5	56.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 41.964 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF114947.D

Acq: 11 Jun 2019 15:38

Instrument :

BNA_F

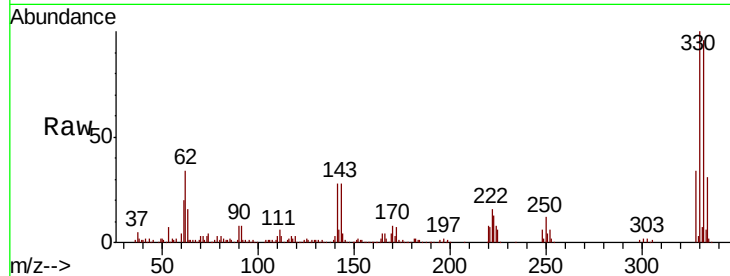
ClientSampleId :

OK-03-060619

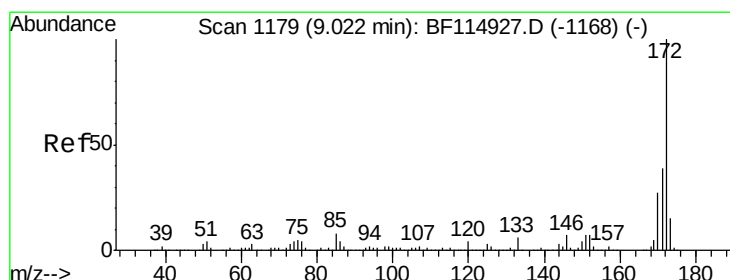
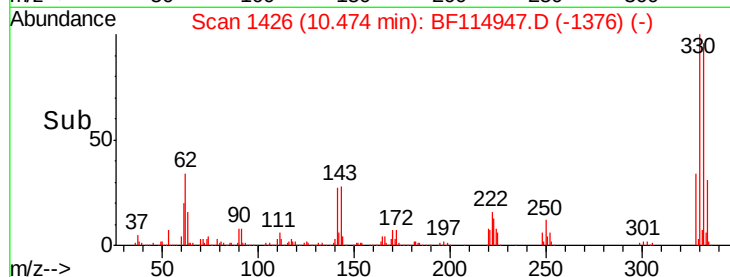
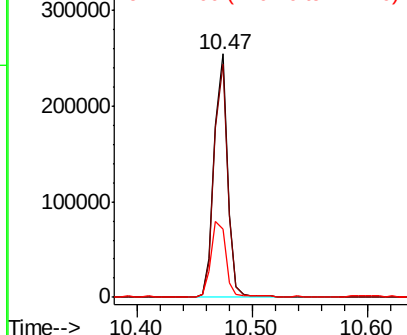
Tot Ion:	330	Resp:	208456
Ion Ratio	Lower	Upper	
330	100		
332	96.3	76.4	114.6
141	33.8	26.8	40.2

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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: 33.559 ng

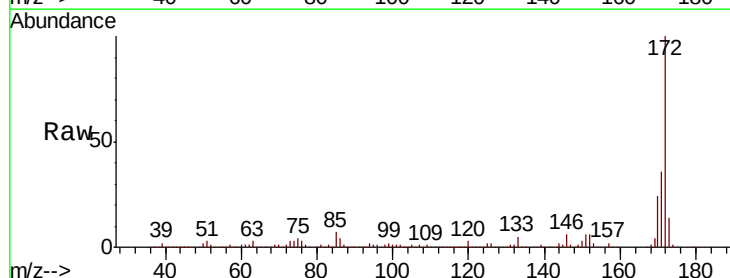
RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

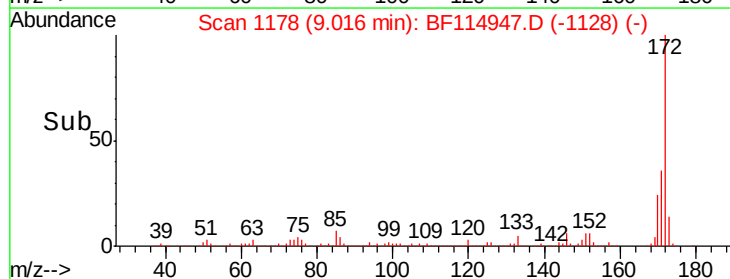
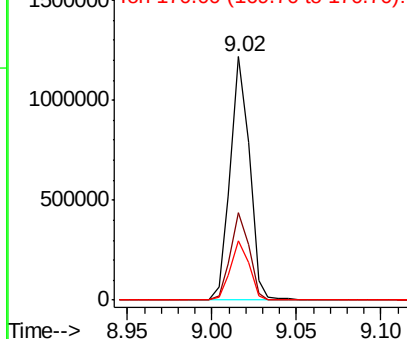
Lab File: BF114947.D

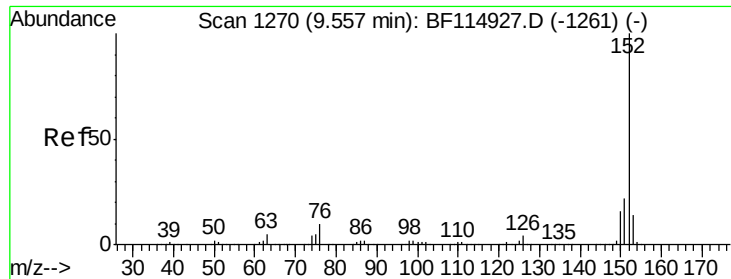
Acq: 11 Jun 2019 15:38

Tgt Ion:	172	Resp:	965610
Ion Ratio	Lower	Upper	
172	100		
171	36.1	31.3	46.9
170	24.4	21.4	32.0



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: 2.849 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF114947.D

Acq: 11 Jun 2019 15:38

Instrument :

BNA_F

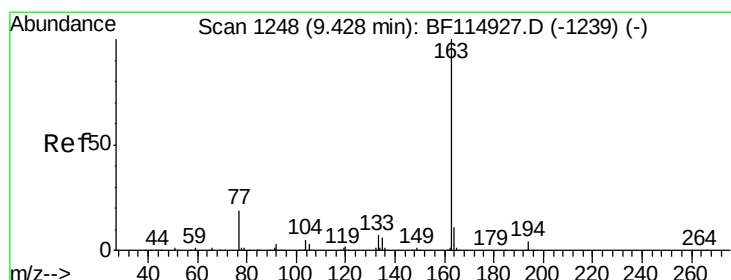
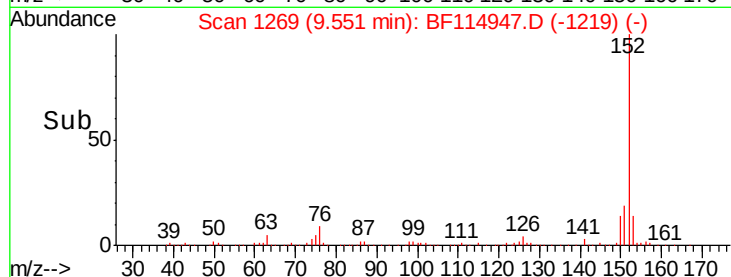
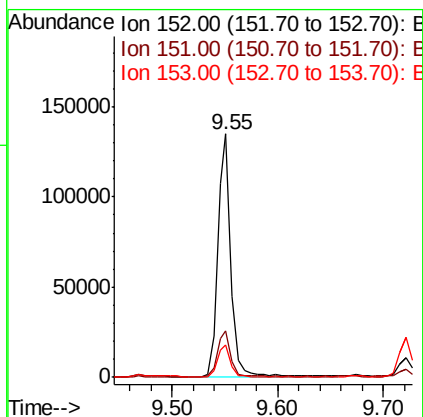
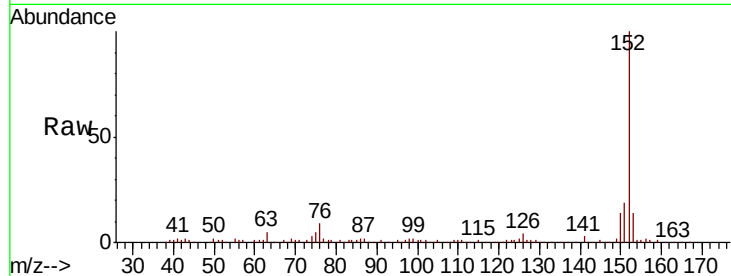
ClientSampleId :

OK-03-060619

Tot Ion:	152	Resp:	121097
Ion Ratio	Lower	Upper	
152	100		
151	19.3	17.6	26.4
153	13.5	11.4	17.0

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#50

Dimethylphthalate

Concen: 2.645 ng

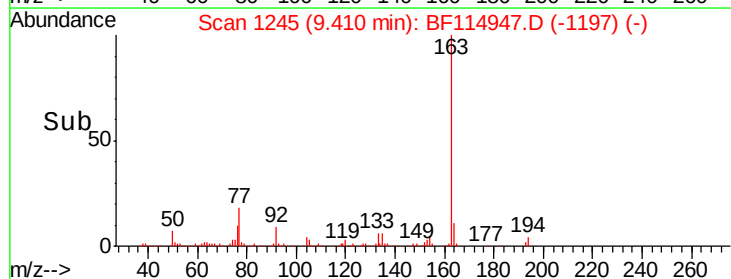
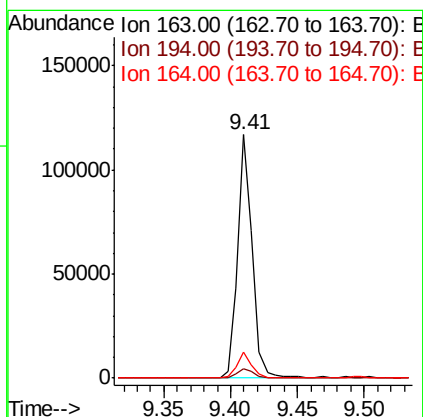
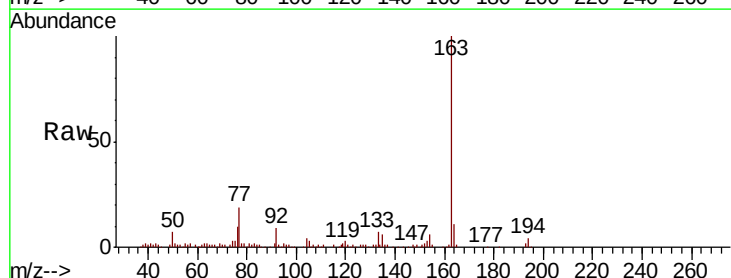
RT: 9.41 min Scan# 1245

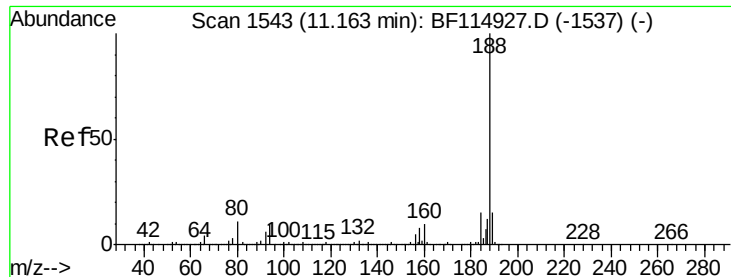
Delta R.T. -0.02 min

Lab File: BF114947.D

Acq: 11 Jun 2019 15:38

Tgt Ion:	163	Resp:	90792
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.4	5.0
164	10.6	8.7	13.1





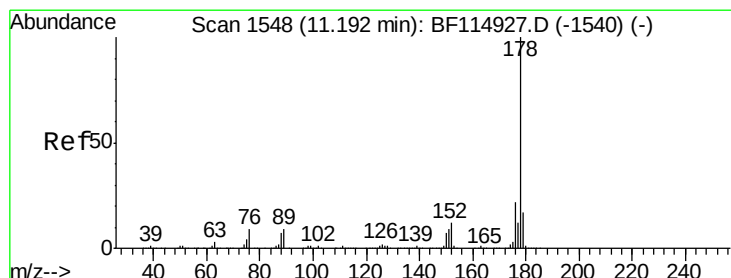
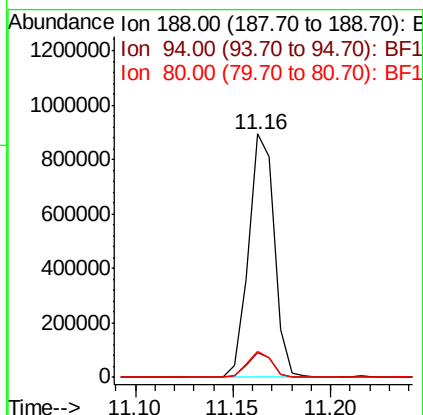
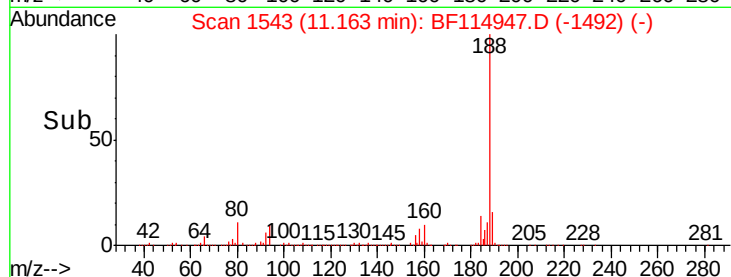
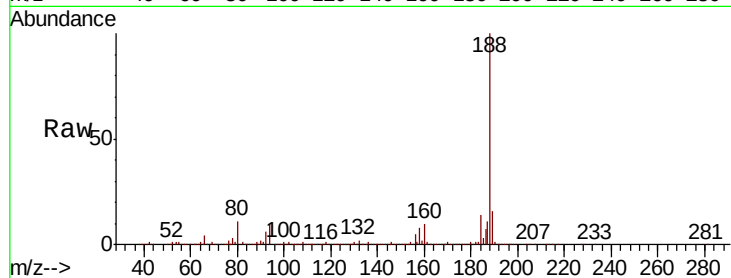
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.00 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.4	8.1	12.1
80	10.9	8.6	12.8

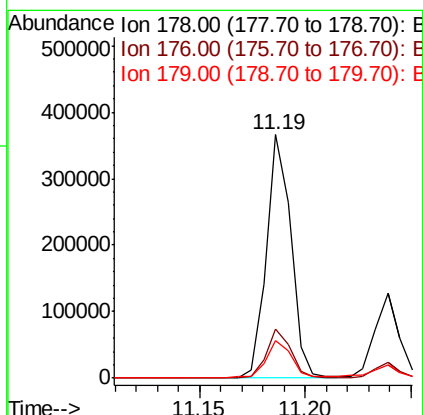
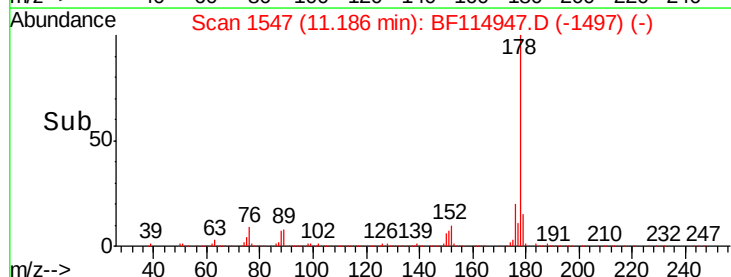
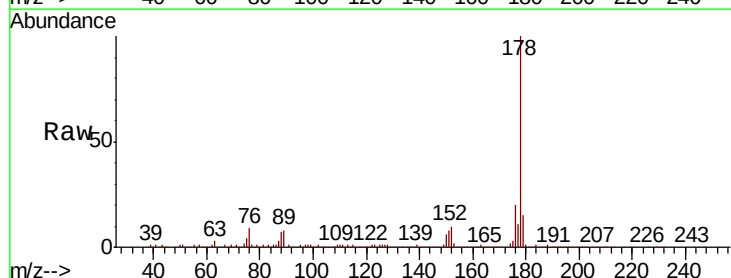
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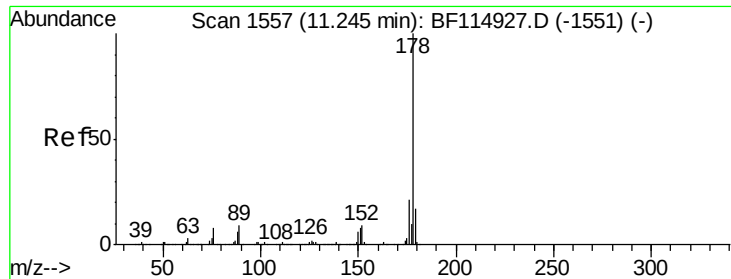
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#71
Phenanthrene
Concen: 7.509 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.2	17.4	26.2
179	15.5	13.6	20.4





#72

Anthracene

Concen: 2.458 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF114947.D

Acq: 11 Jun 2019 15:38

Instrument :

BNA_F

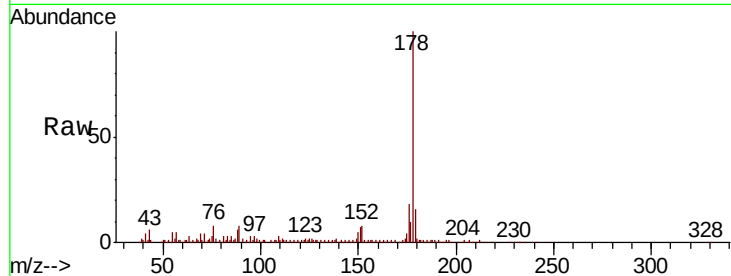
ClientSampleId :

OK-03-060619

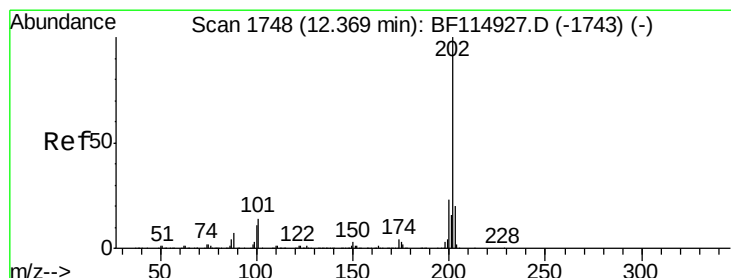
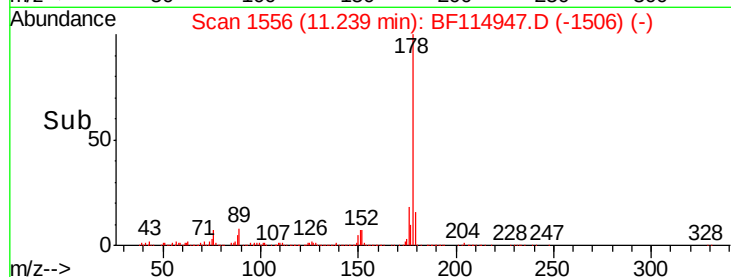
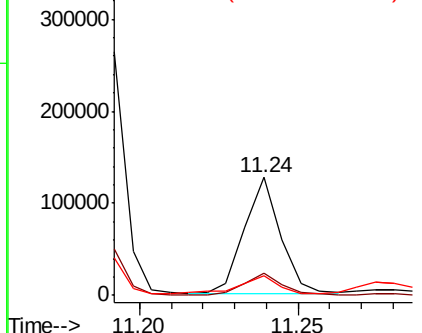
Tot Ion:	178	Resp:	98736
Ion Ratio	Lower	Upper	
178	100		
176	18.3	16.6	25.0
179	16.2	13.4	20.2

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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



#75

Fluoranthene

Concen: 13.213 ng

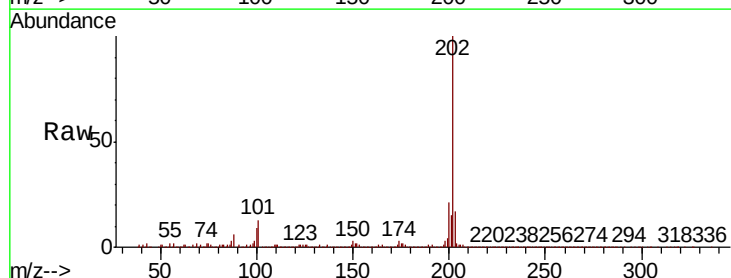
RT: 12.37 min Scan# 1748

Delta R.T. -0.00 min

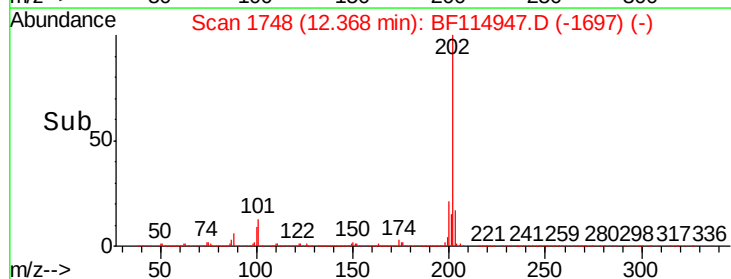
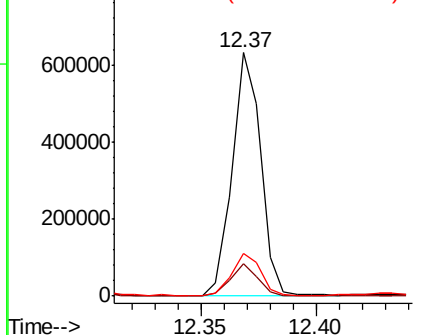
Lab File: BF114947.D

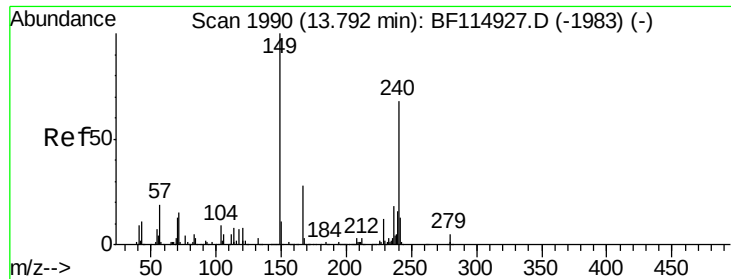
Acq: 11 Jun 2019 15:38

Tgt Ion:	202	Resp:	540979
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	34.3
203	17.3	0.0	39.6



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





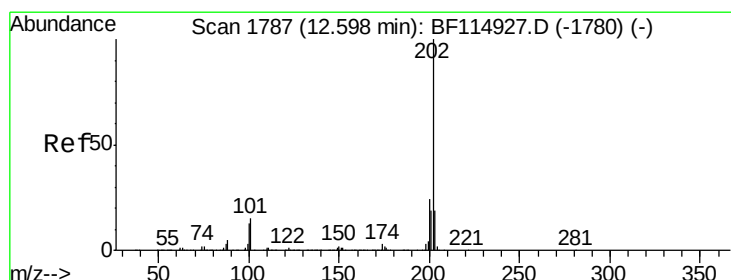
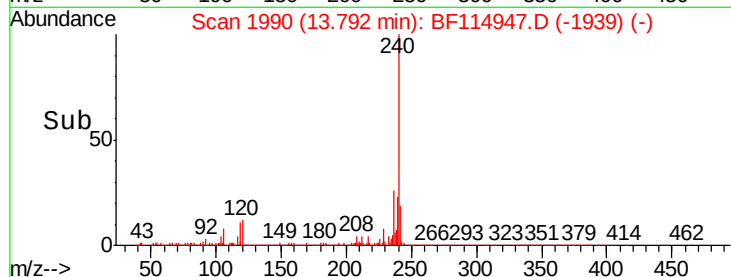
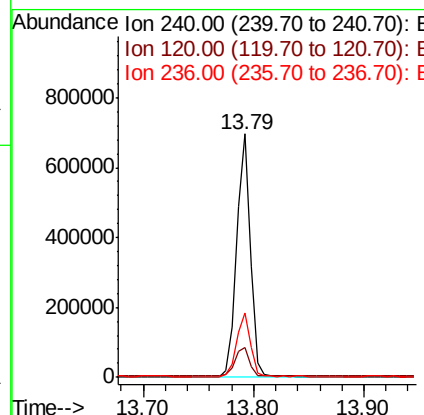
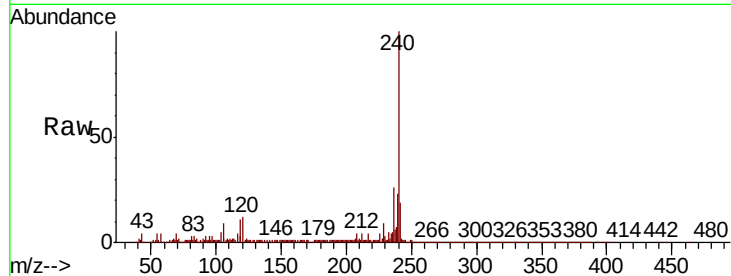
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Instrument :
BNA_F
ClientSampleId :
OK-03-060619

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.2	13.8
236	26.3	21.7	32.5

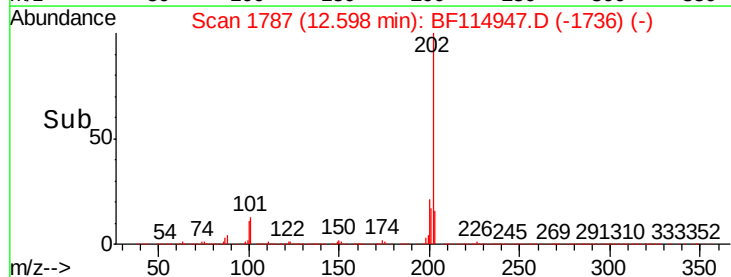
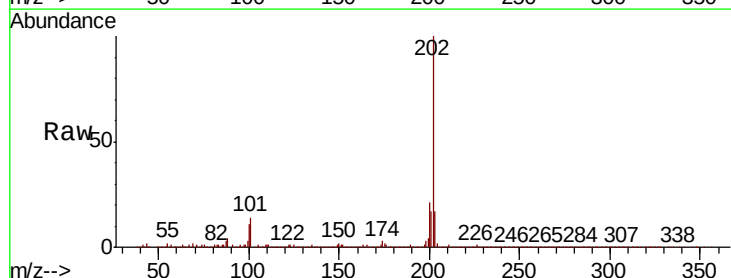
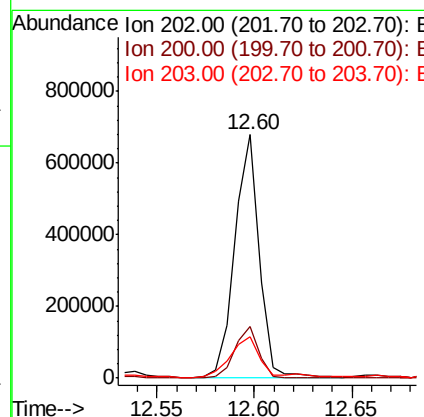
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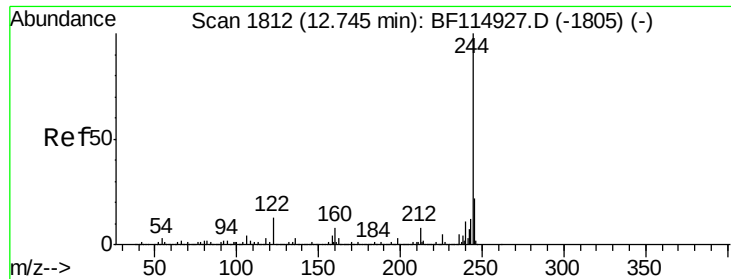
mohammad
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#78
Pyrene
Concen: 11.114 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.00 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	18.9	28.3
203	17.0	15.2	22.8





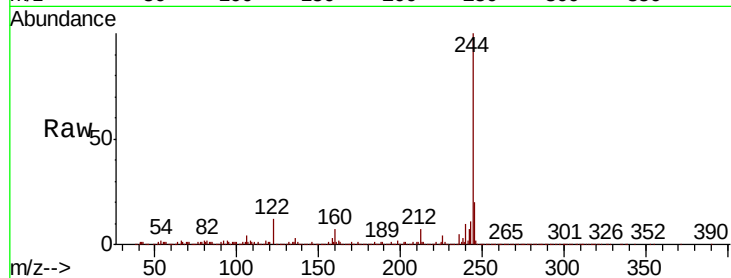
#79
 Terphenyl-d14
 Concen: 31.725 ng
 RT: 12.74 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: BF114947.D
 Acq: 11 Jun 2019 15:38

Instrument :
 BNA_F
 ClientSampled :
 OK-03-060619

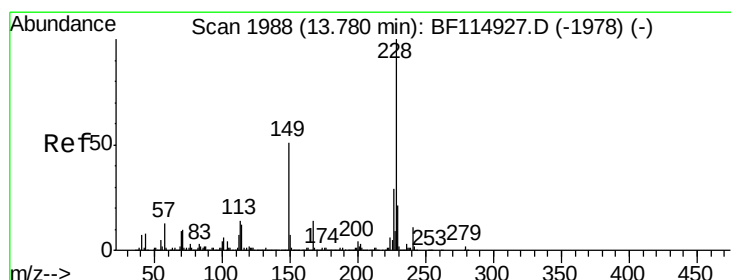
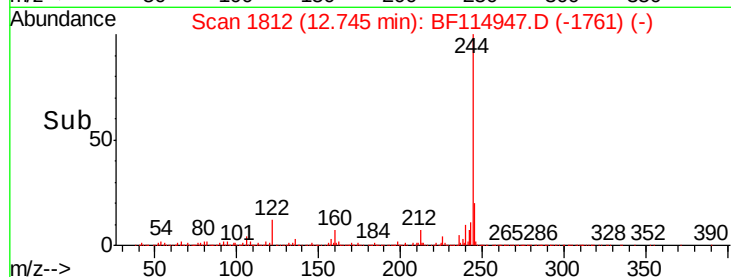
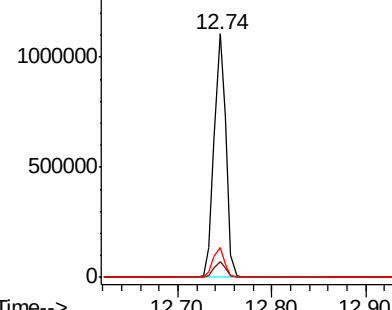
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.2	9.2
122	12.4	10.2	15.4

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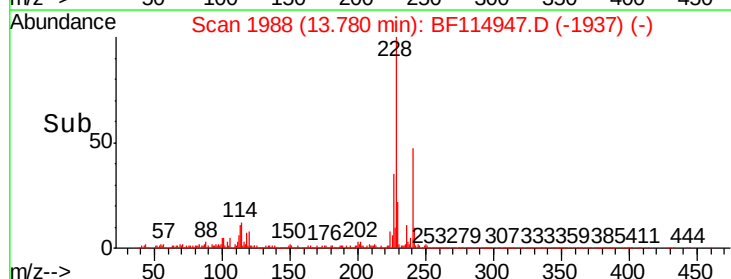
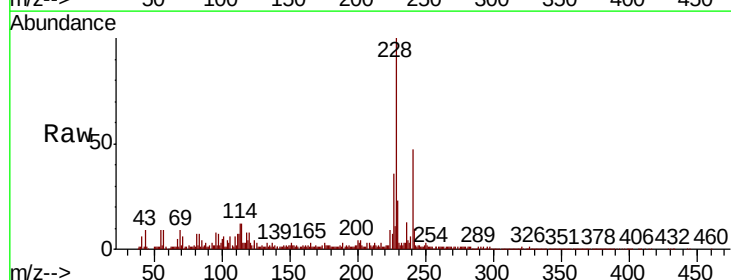
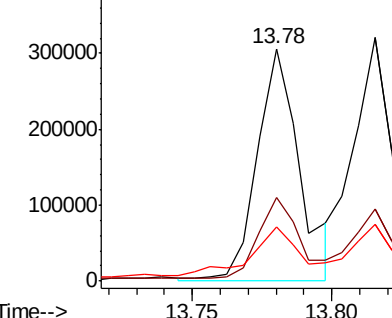
Abundance Ion 244.00 (243.70 to 244.70): E
 1500000
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

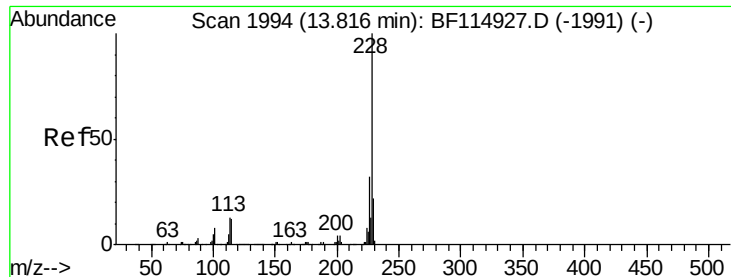


#81
 Benzo(a)anthracene
 Concen: 7.235 ng m
 RT: 13.78 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: BF114947.D
 Acq: 11 Jun 2019 15:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.0	22.8	34.2#
229	23.2	16.6	25.0

Abundance Ion 228.00 (227.70 to 228.70): E
 400000
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





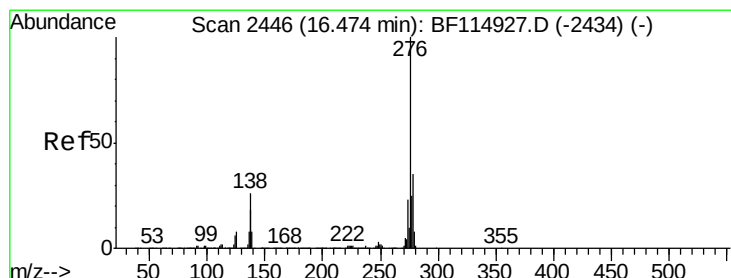
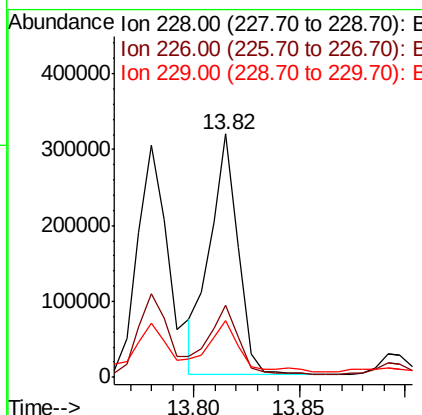
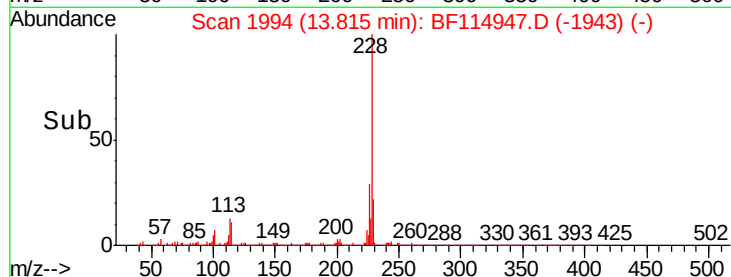
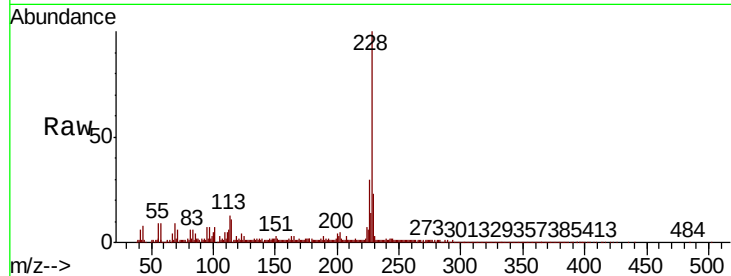
#83
Chrysene
Concen: 6.552 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Instrument :
BNA_F
ClientSampleId :
OK-03-060619

Tot Ion:	228	Resp:	293643
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.8	38.8
229	23.2	17.2	25.8

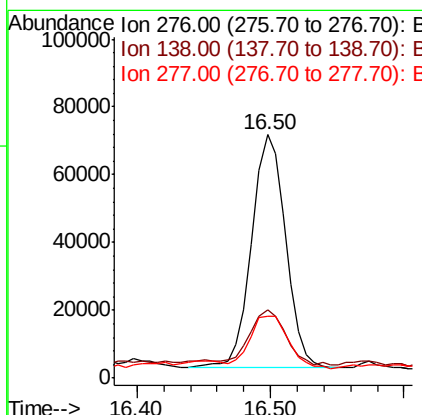
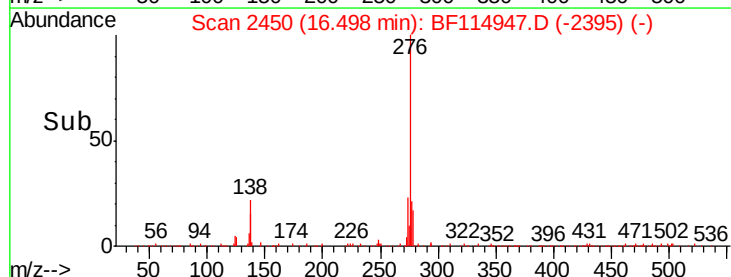
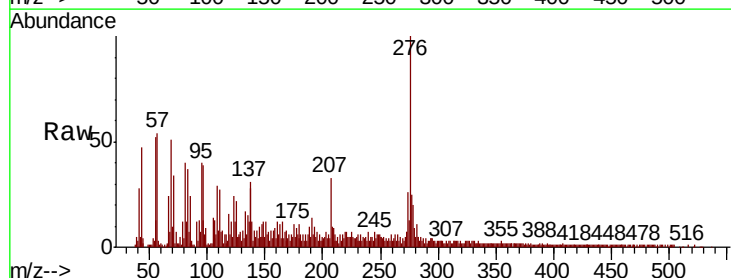
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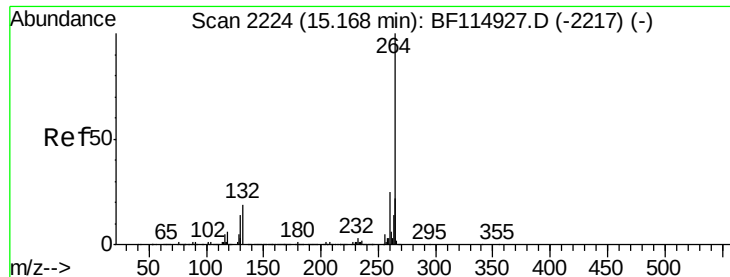
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.877 ng
RT: 16.50 min Scan# 2450
Delta R.T. 0.02 min
Lab File: BF114947.D
Acq: 11 Jun 2019 15:38

Tgt Ion:	276	Resp:	121216
Ion Ratio	Lower	Upper	
276	100		
138	25.1	23.3	34.9
277	25.0	20.5	30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.19 min Scan# 2227

Delta R.T. 0.02 min

Lab File: BF114947.D

Acq: 11 Jun 2019 15:38

Instrument :

BNA_F

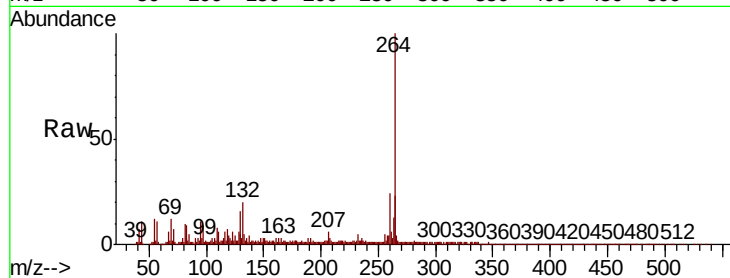
ClientSampleId :

OK-03-060619

Tot Ion:	264	Resp:	412046
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.7	29.5
265	22.6	17.5	26.3

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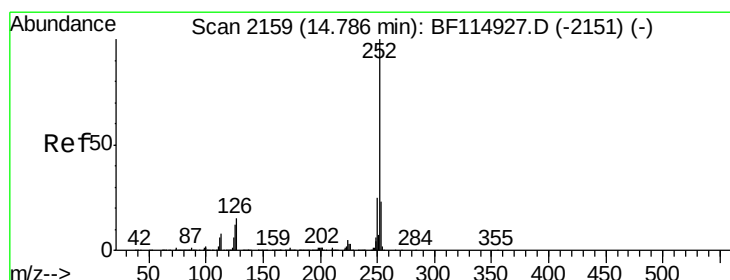
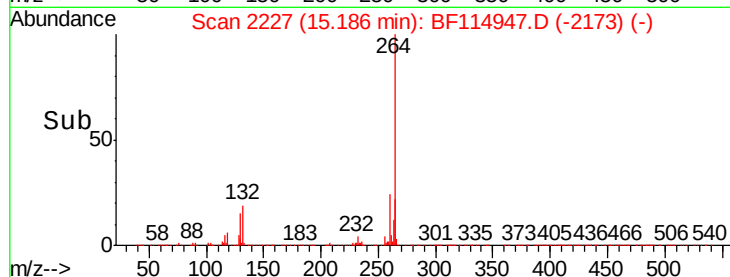
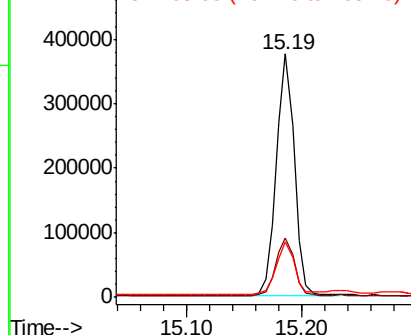


Abundance

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: 11.485 ng m

RT: 14.80 min Scan# 2161

Delta R.T. 0.01 min

Lab File: BF114947.D

Acq: 11 Jun 2019 15:38

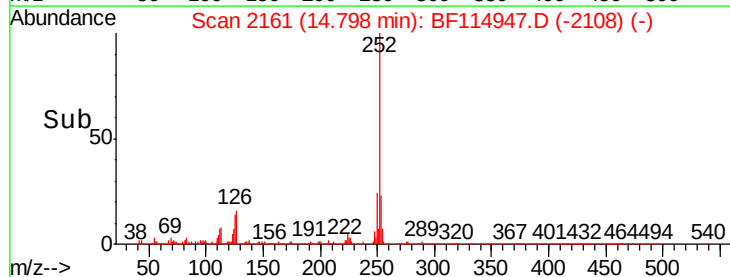
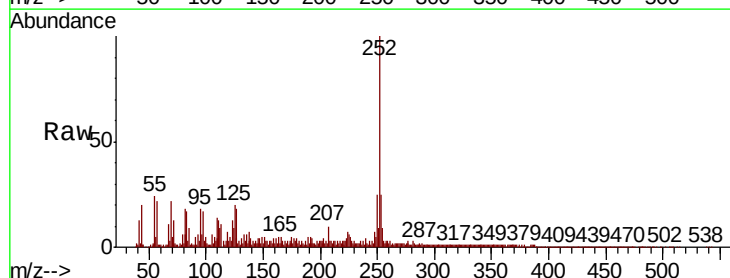
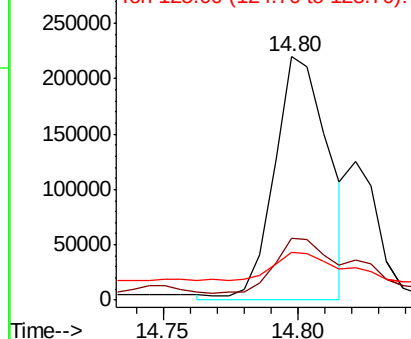
Tgt Ion:	252	Resp:	308103
Ion Ratio	Lower	Upper	
252	100		
253	25.2	18.6	28.0
125	19.7	9.5	14.3#

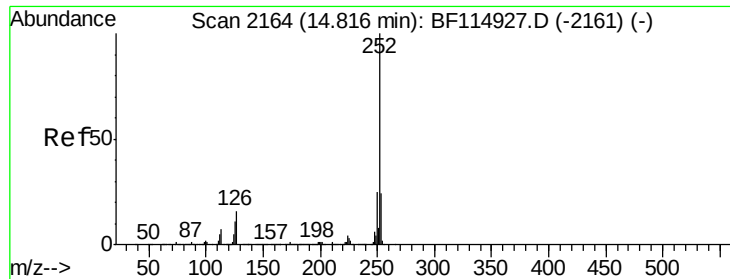
Abundance

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: 4.522 ng m

RT: 14.82 min Scan# 2165

Delta R.T. 0.01 min

Lab File: BF114947.D

Acq: 11 Jun 2019 15:38

Instrument :

BNA_F

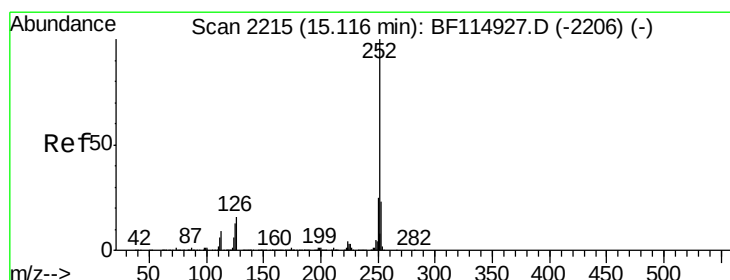
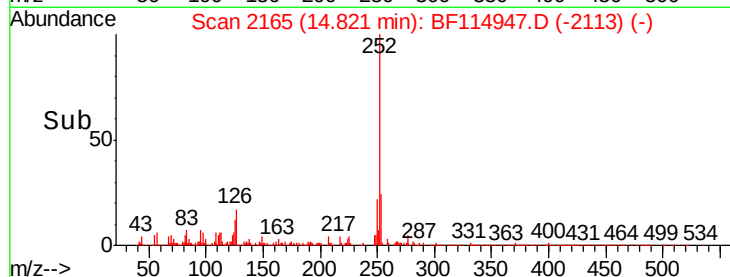
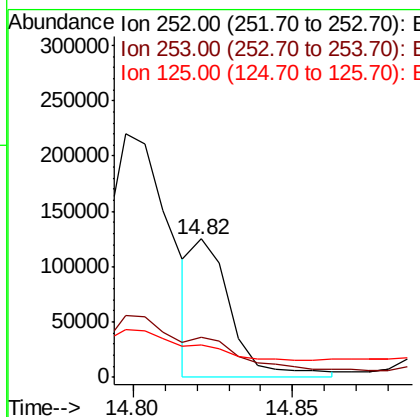
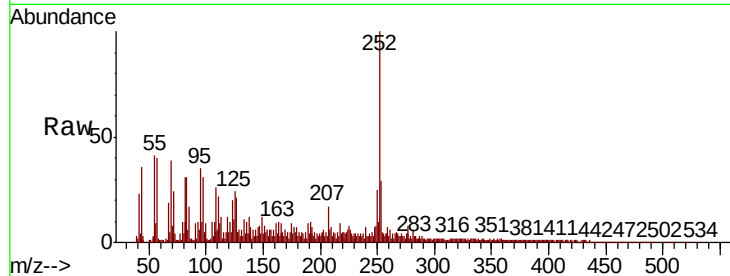
ClientSampleId :

OK-03-060619

Tot Ion:	252	Resp:	105263
Ion Ratio	Lower	Upper	
252	100		
253	28.8	18.6	28.0#
125	23.7	9.2	13.8#

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#90

Benzo(a)pyrene

Concen: 8.816 ng

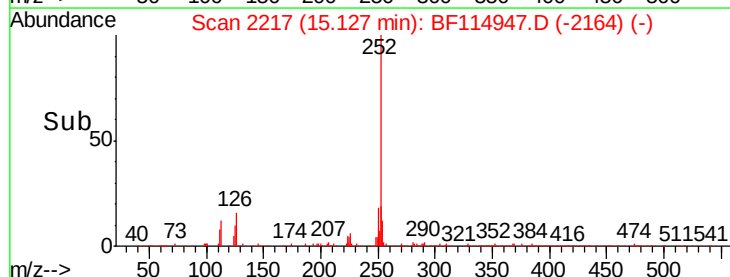
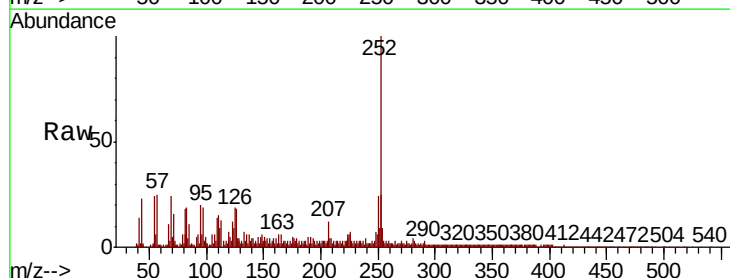
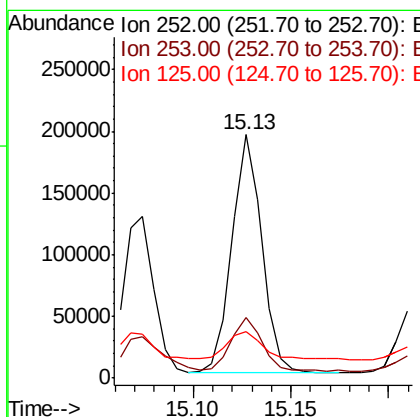
RT: 15.13 min Scan# 2217

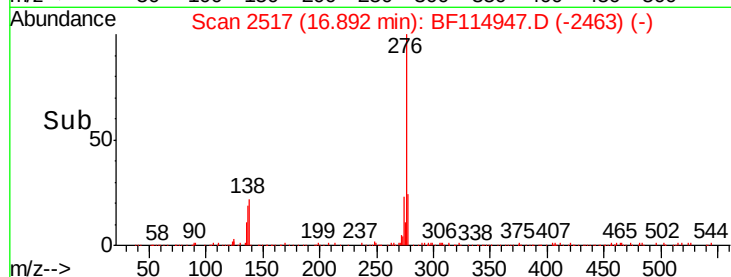
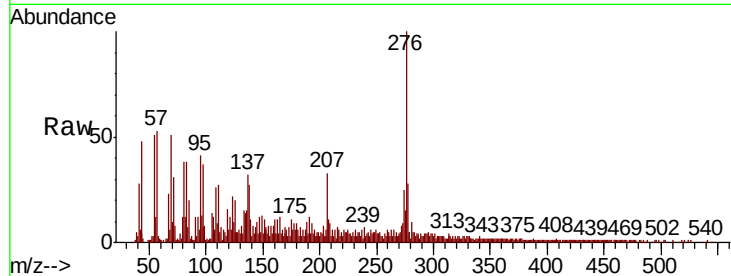
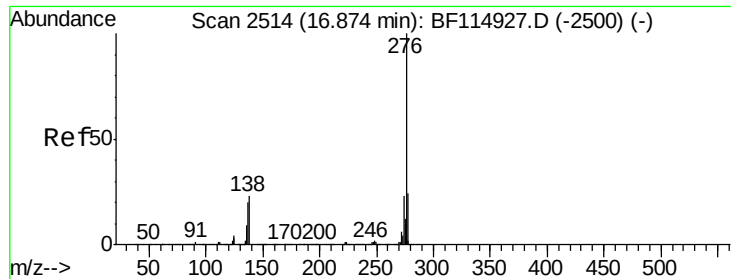
Delta R.T. 0.01 min

Lab File: BF114947.D

Acq: 11 Jun 2019 15:38

Tgt Ion:	252	Resp:	205418
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.2	27.2
125	19.1	10.1	15.1#





#92
 Benzo(a,h,i)perylene
 Concen: 6.370 ng
 RT: 16.89 min Scan# 2517
 Delta R.T. 0.02 min
 Lab File: BF114947.D
 Acq: 11 Jun 2019 15:38

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-060619

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	27.6	19.0	28.6
138	27.5	18.7	28.1

Manual Integrations
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