

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
 Data File : BF118147.D
 Acq On : 9 Dec 2019 16:34
 Operator : JU
 Sample : K6147-06DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-WC006DL

Manual Integrations
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mohammad
 12/10/2019 11:50:16 AM

Quant Time: Dec 10 01:10:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	106195	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	429745	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	227158	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	404867	20.00	ng	0.00
76) Chrysene-d12	14.06	240	227847	20.00	ng	-0.01
87) Perylene-d12	15.55	264	269559	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	62695	10.34	ng	0.00
7) Phenol-d6	6.49	99	80273	10.95	ng	0.00
23) Nitrobenzene-d5	7.43	82	46014	6.02	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	24967	9.05	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	104569	7.00	ng	-0.01
79) Terphenyl-d14	12.99	244	103012	7.77	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
52) Acenaphthene	9.95	154	53763	4.144	ng	99
58) Fluorene	10.46	166	42897	2.839	ng	99
71) Phenanthrene	11.43	178	742650	34.506	ng	100
72) Anthracene	11.48	178	223474	10.409	ng	99
75) Fluoranthene	12.63	202	1425599	64.787	ng	99
78) Pyrene	12.86	202	1091530	60.791	ng	99
81) Benzo(a)anthracene	14.05	228	470401	29.857	ng	99
83) Chrysene	14.09	228	420161	27.919	ng	98
86) Indeno(1,2,3-cd)pyrene	17.05	276	244535	19.311	ng	96
88) Benzo(b)fluoranthene	15.12	252	478290m	26.828	ng	
89) Benzo(k)fluoranthene	15.14	252	190758m	11.138	ng	
90) Benzo(a)pyrene	15.49	252	338030	21.469	ng	97
91) Dibenzo(a,h)anthracene	17.06	278	61355m	4.543	ng	
92) Benzo(g,h,i)perylene	17.51	276	226453	17.450	ng	99

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

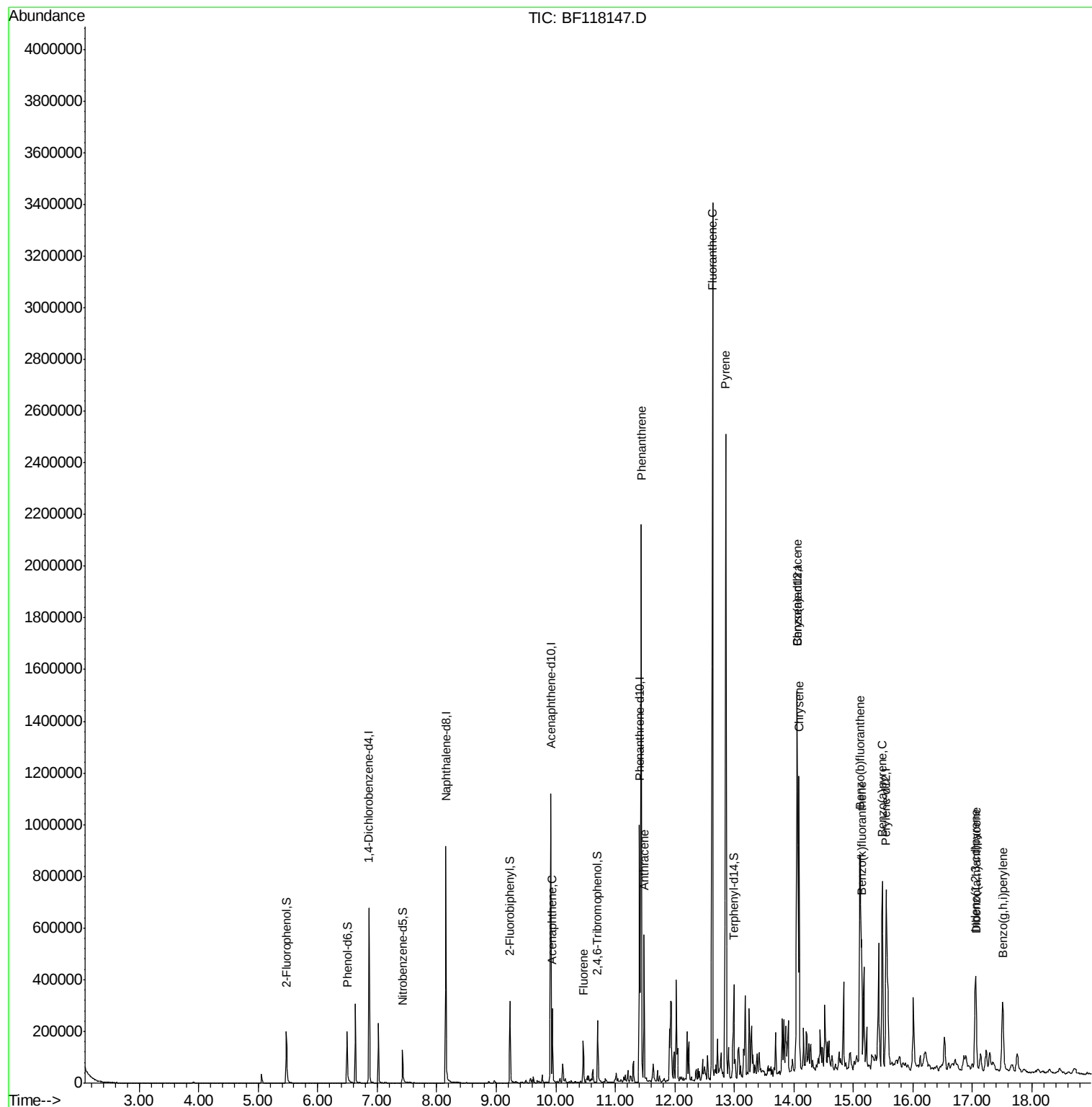
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118147.D
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ALS Vial : 5 Sample Multiplier: 1

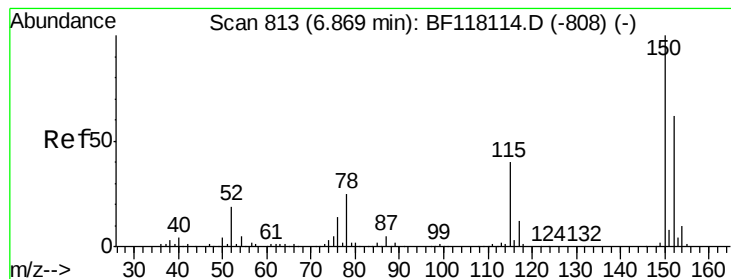
Instrument :
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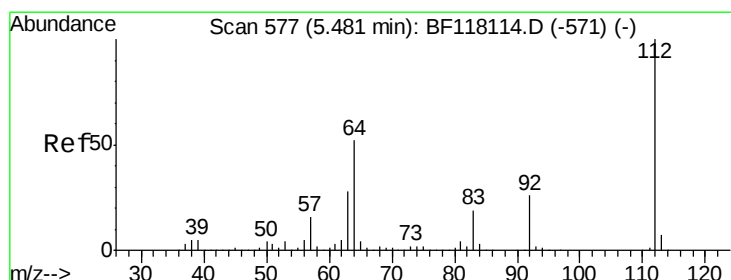
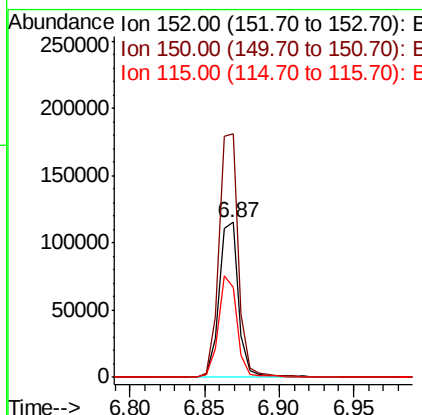
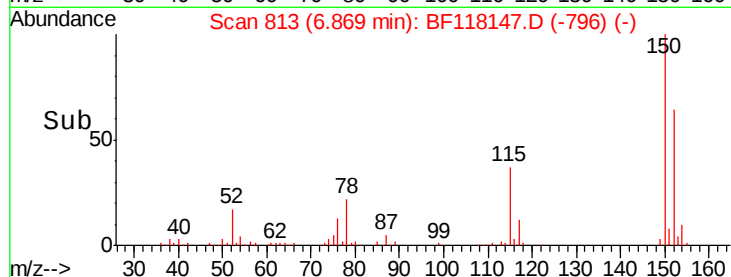
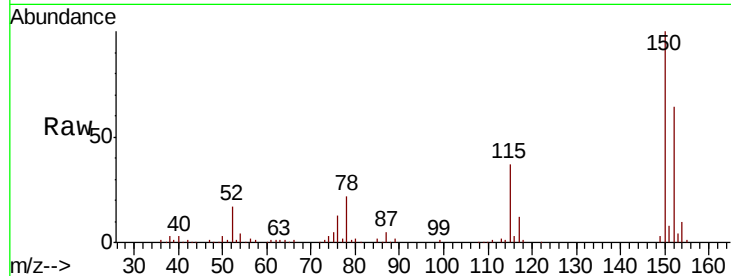
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF118147.D
Acq: 9 Dec 2019 16:34

Instrument :
BNA_F
ClientSampleId :
P001-WC006DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	128.3	192.5
115	58.4	51.1	76.7

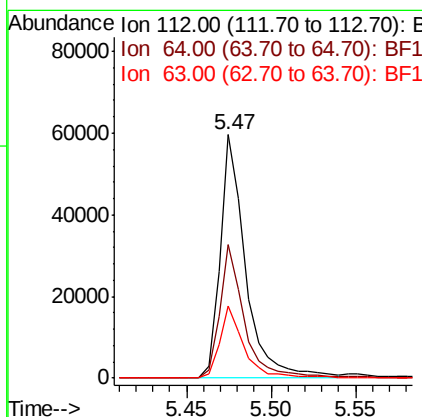
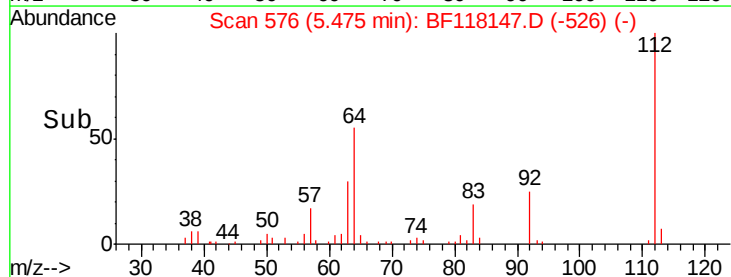
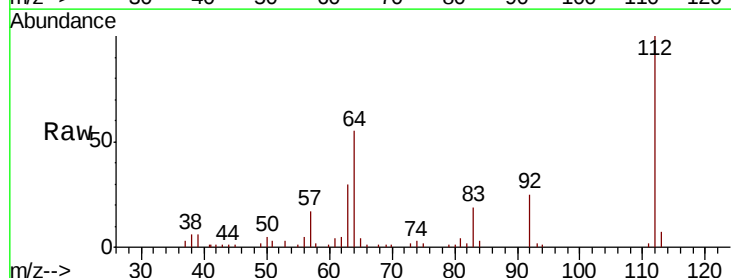
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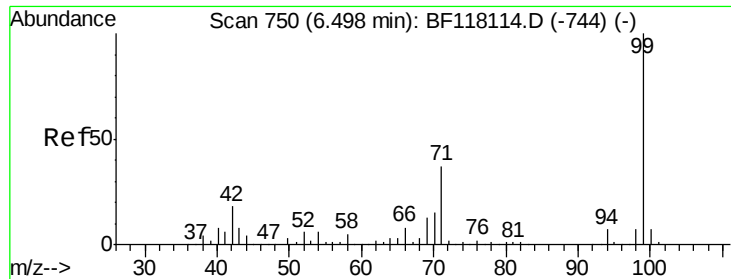
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#5
2-Fluorophenol
Concen: 10.340 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF118147.D
Acq: 9 Dec 2019 16:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	41.3	61.9
63	29.5	22.4	33.6





#7

Phenol-d6

Concen: 10.946 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118147.D

Acq: 9 Dec 2019 16:34

Instrument :

BNA_F

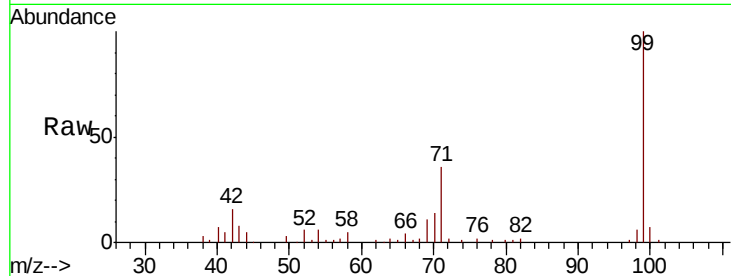
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P001-WC006DL

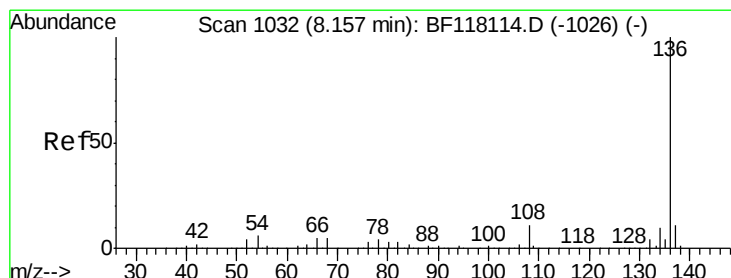
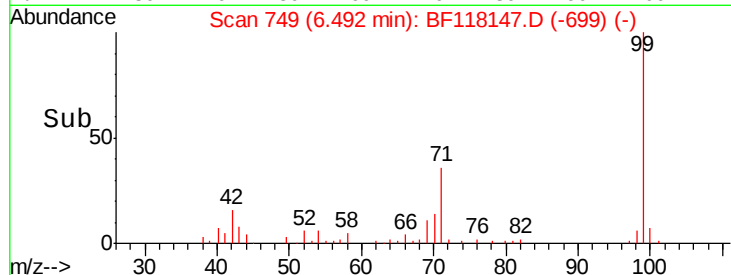
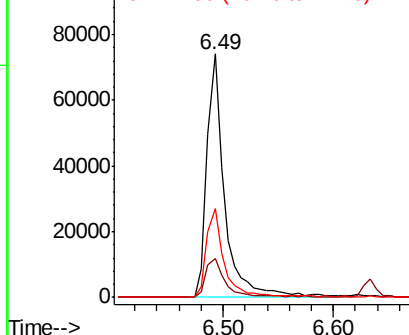
Tot Ion:	99	Resp:	80273
Ion	Ratio	Lower	Upper
99	100		
42	16.0	14.1	21.1
71	36.4	29.7	44.5

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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: 8.15 min Scan# 1031

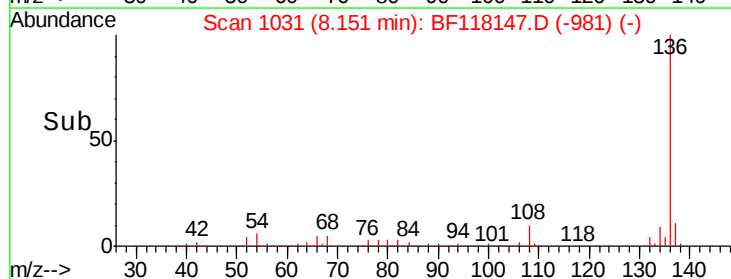
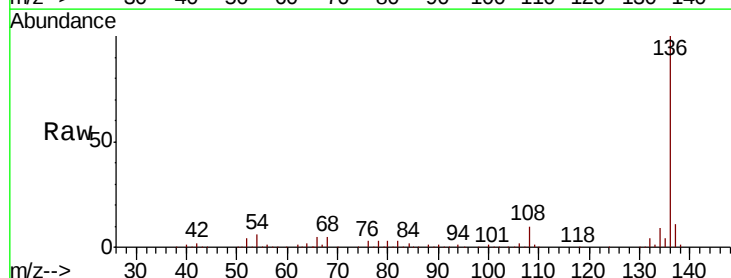
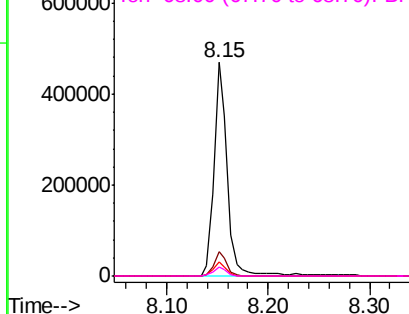
Delta R.T. -0.01 min

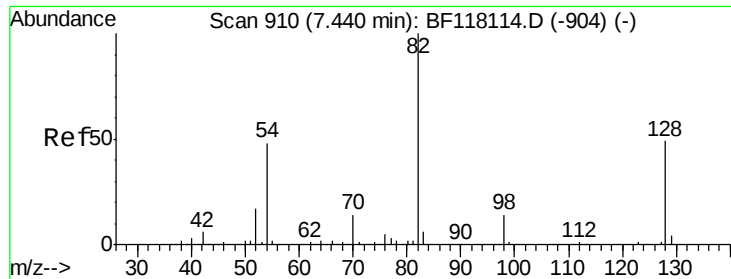
Lab File: BF118147.D

Acq: 9 Dec 2019 16:34

Tgt Ion:	136	Resp:	429745
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	6.4	5.0	7.6
68	4.5	3.8	5.8

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





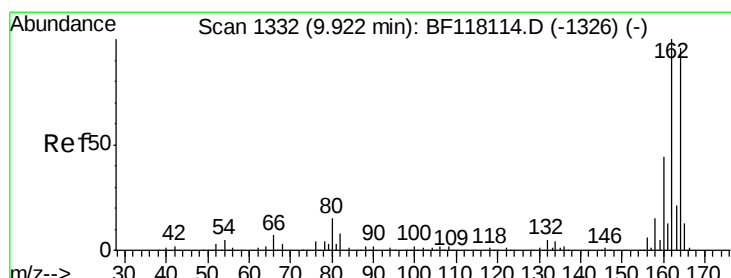
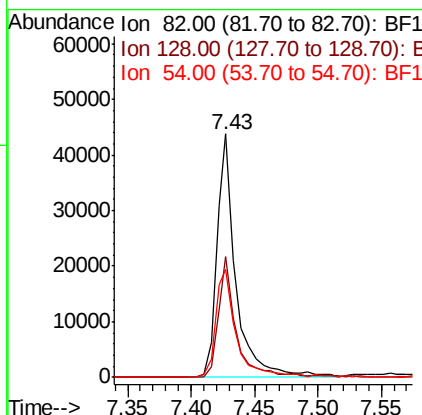
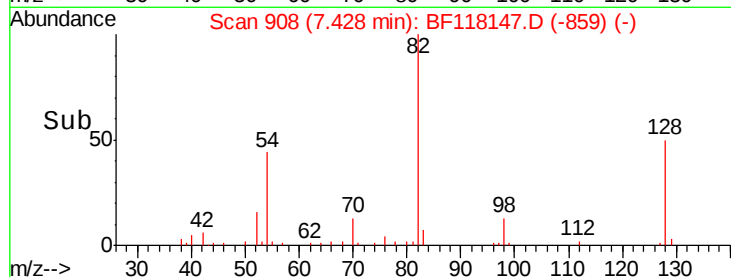
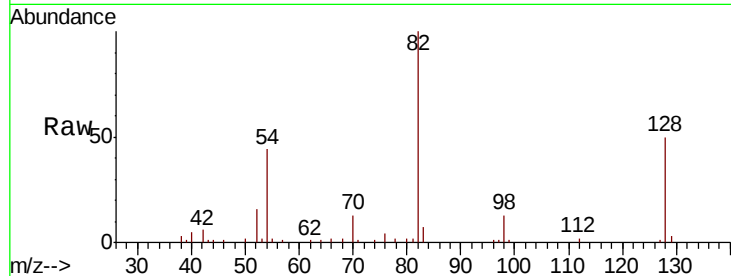
#23
Nitrobenzene-d5
Concen: 6.024 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118147.D
Acq: 9 Dec 2019 16:34

Instrument :
BNA_F
ClientSampleId :
P001-WC006DL

Tot Ion	82	Resp	46014
Ion Ratio	100	Lower	Upper
82	100		
128	49.7	39.1	58.7
54	44.3	38.2	57.2

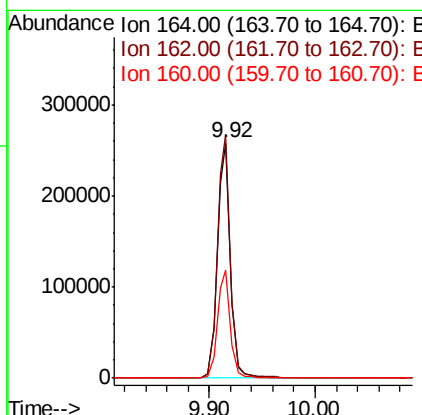
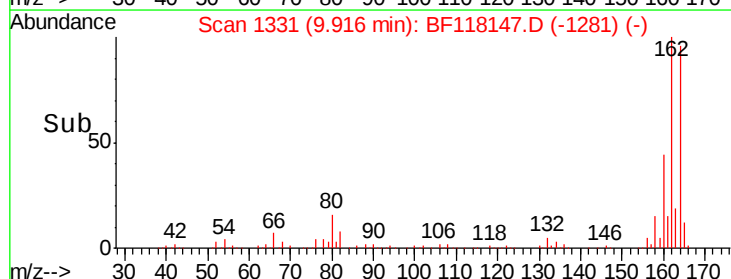
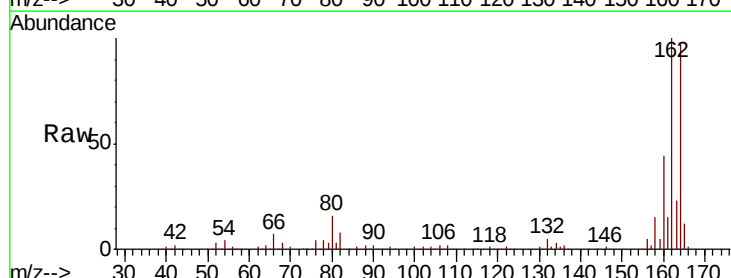
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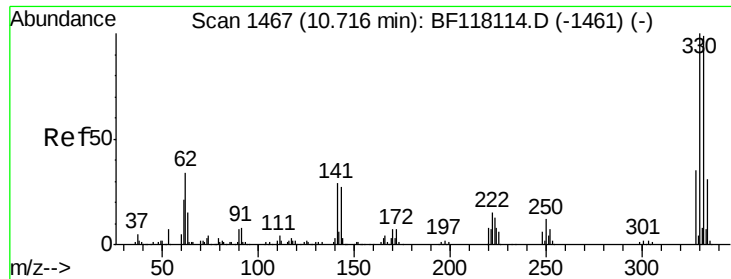
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118147.D
Acq: 9 Dec 2019 16:34

Tgt Ion	164	Resp	227158
Ion Ratio	100	Lower	Upper
164	100		
162	103.5	83.4	125.0
160	45.6	36.6	54.8





#42

2,4,6-Tribromophenol

Concen: 9.047 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118147.D

Acq: 9 Dec 2019 16:34

Instrument :

BNA_F

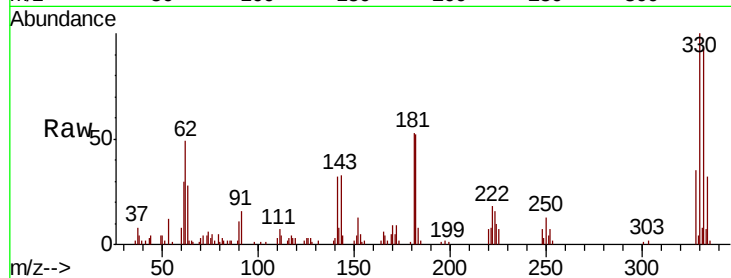
ClientSampleId :

P001-WC006DL

Tot Ion:	330	Resp:	24967
Ion Ratio	Lower	Upper	
330	100		
332	97.2	78.1	117.1
141	32.4	26.9	40.3

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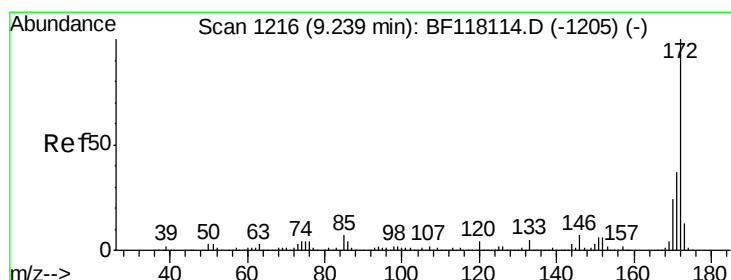
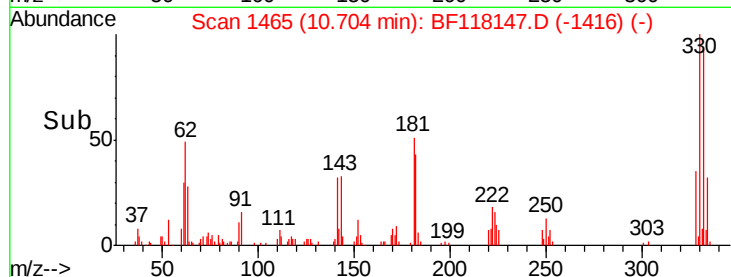
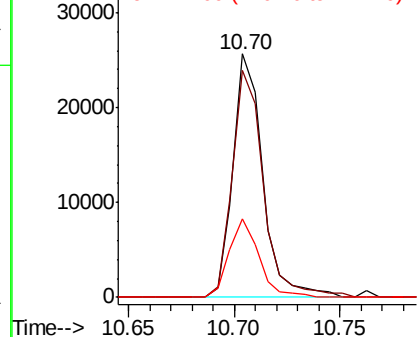


Abundance

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: 7.005 ng

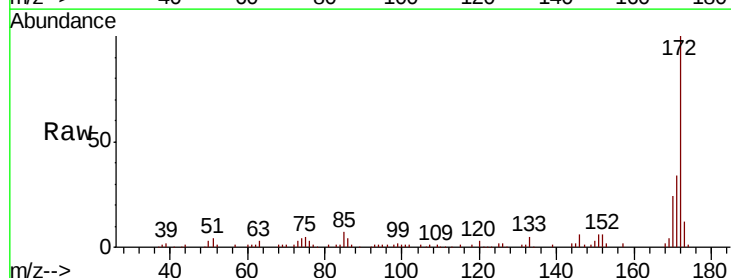
RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF118147.D

Acq: 9 Dec 2019 16:34

Tgt Ion:	172	Resp:	104569
Ion Ratio	Lower	Upper	
172	100		
171	33.9	29.2	43.8
170	23.6	19.4	29.2

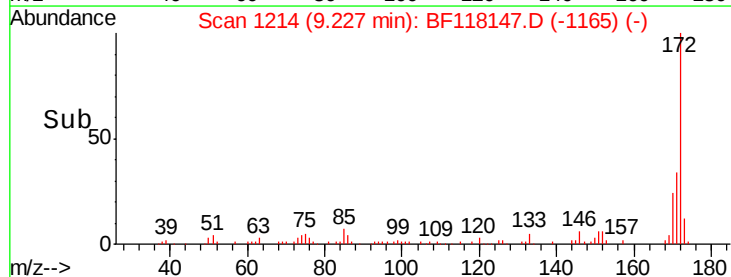
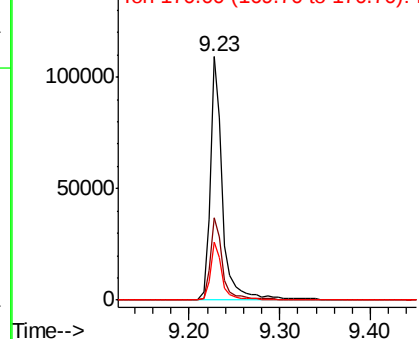


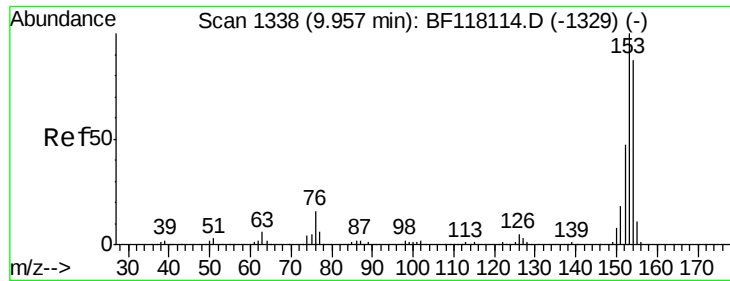
Abundance

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





#52

Acenaphthene

Concen: 4.144 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF118147.D

Acq: 9 Dec 2019 16:34

Instrument :

BNA_F

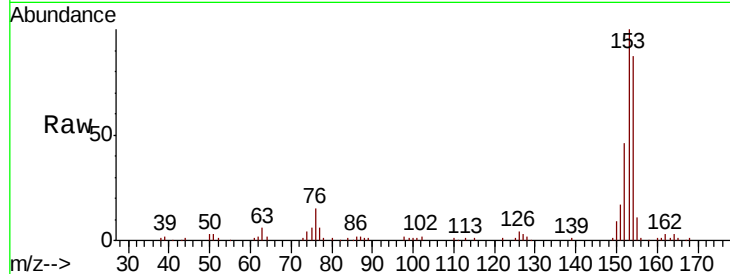
ClientSampleId :

P001-WC006DL

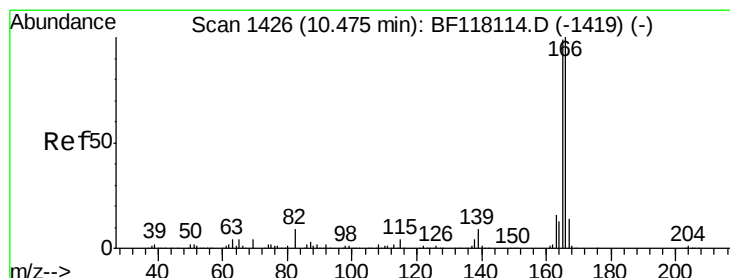
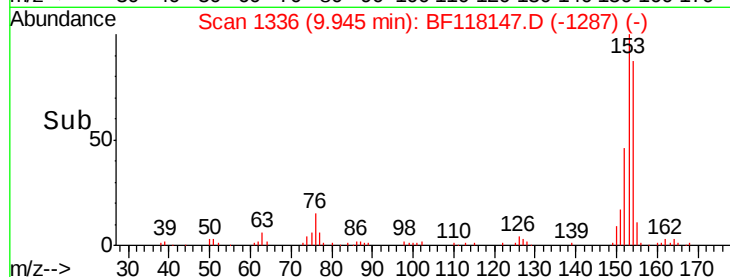
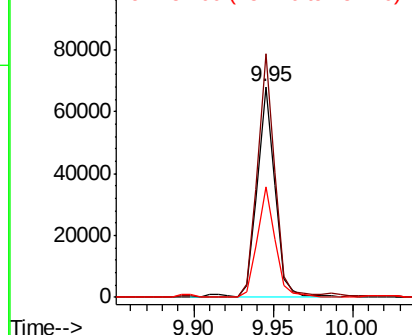
Tot Ion:	154	Resp:	53763
Ion Ratio	Lower	Upper	
154	100		
153	115.5	91.8	137.6
152	52.6	43.3	64.9

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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



#58

Fluorene

Concen: 2.839 ng

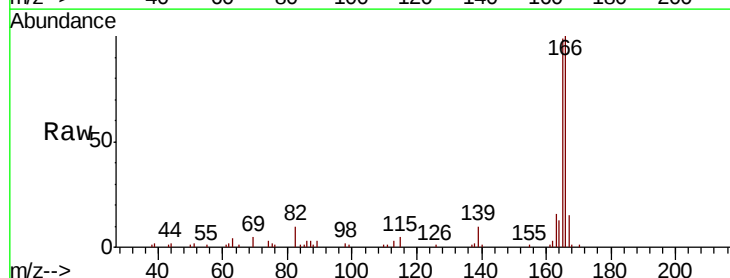
RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

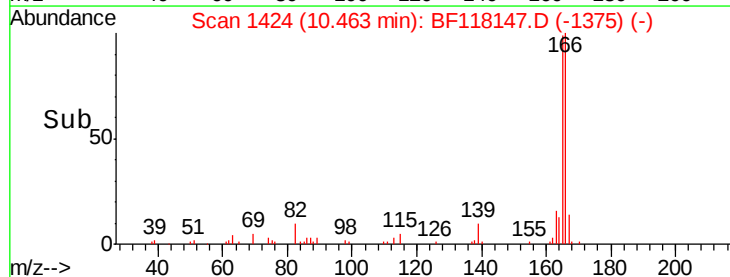
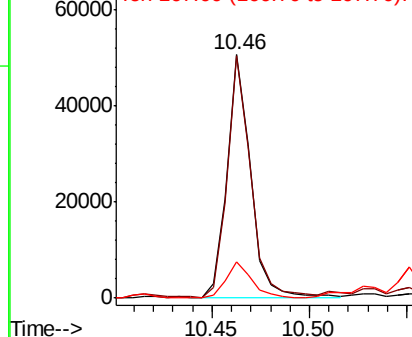
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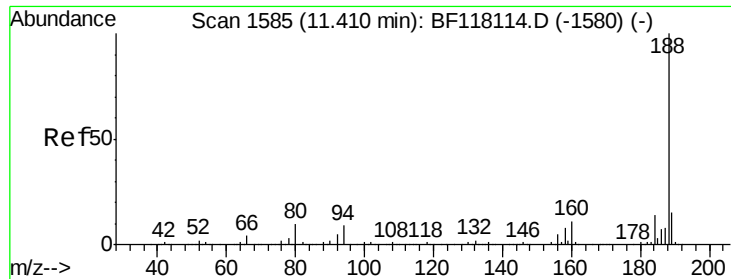
Acq: 9 Dec 2019 16:34

Tgt Ion:	166	Resp:	42897
Ion Ratio	Lower	Upper	
166	100		
165	99.5	79.0	118.4
167	15.0	10.9	16.3



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





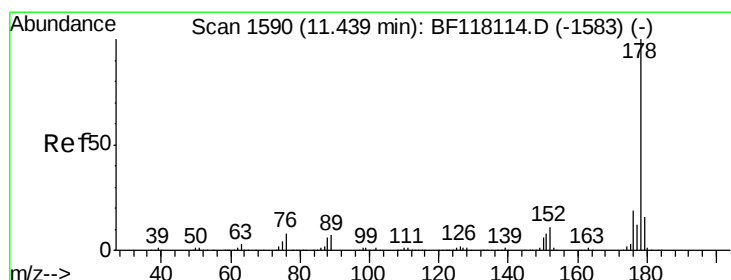
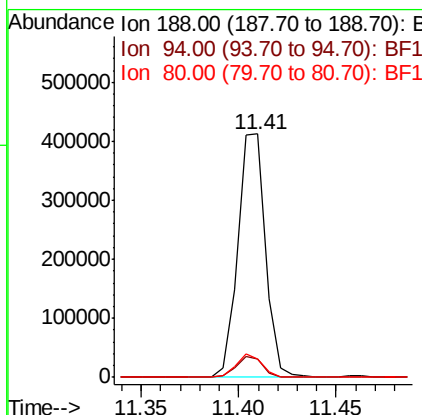
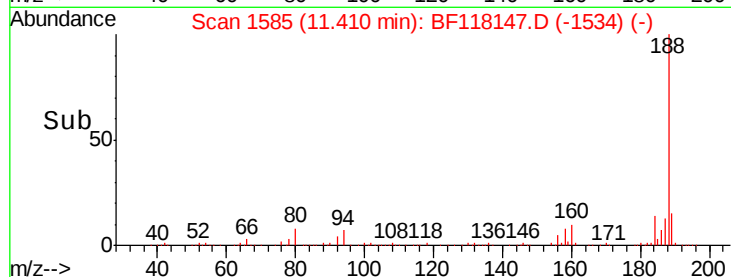
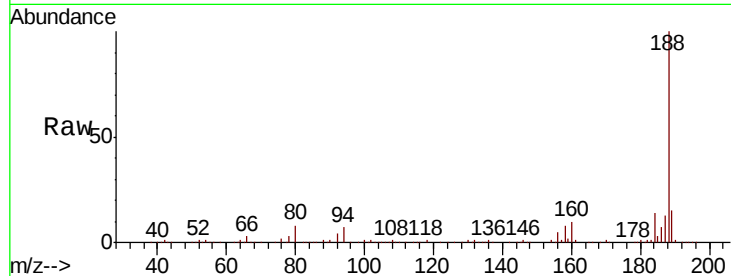
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF118147.D
 Acq: 9 Dec 2019 16:34

Instrument :
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 P001-WC006DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	404867		
94	7.4		7.1	10.7
80	7.7		7.9	11.9#

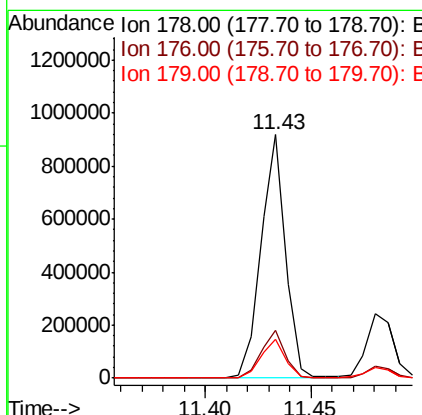
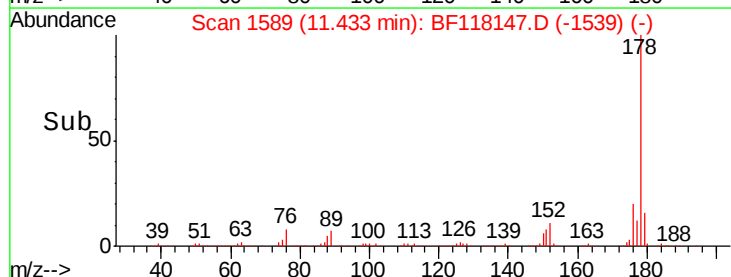
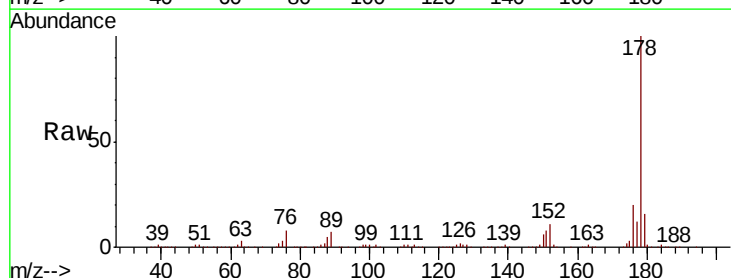
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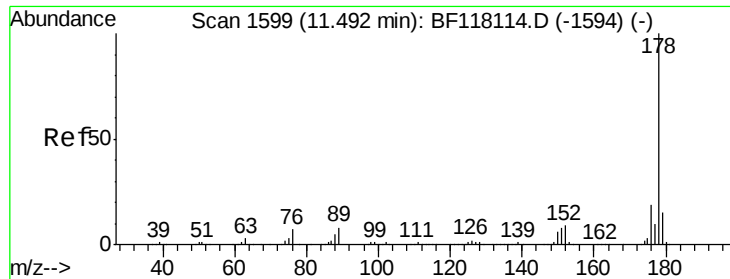
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#71
 Phenanthrene
 Concen: 34.506 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF118147.D
 Acq: 9 Dec 2019 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	742650		
176	19.7		15.5	23.3
179	15.7		12.6	18.8





#72

Anthracene

Concen: 10.409 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF118147.D

Acq: 9 Dec 2019 16:34

Instrument :

BNA_F

ClientSampleId :

P001-WC006DL

Tot Ion:178 Resp: 223474

Ion Ratio Lower Upper

178 100

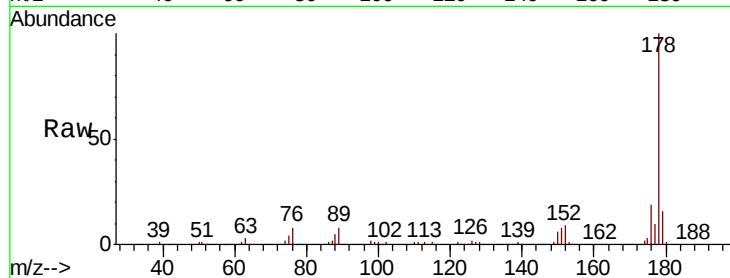
176 18.7 15.0 22.6

179 16.0 12.2 18.4

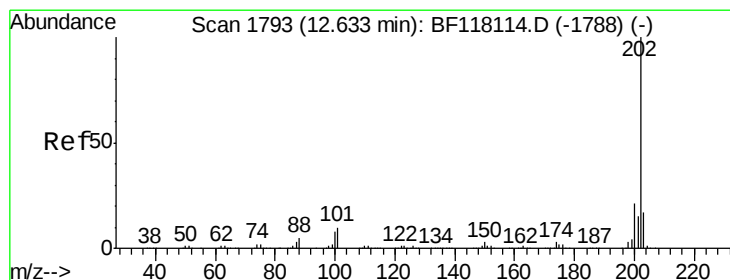
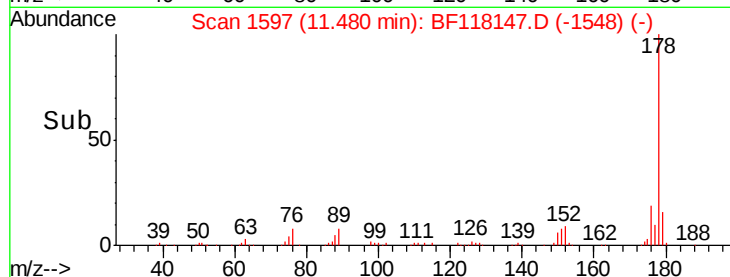
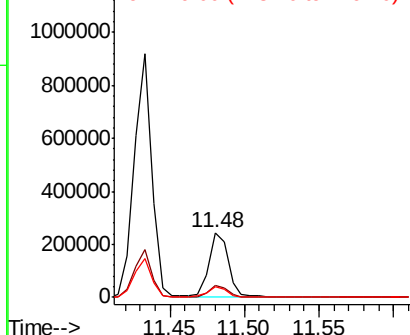
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 64.787 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.00 min

Lab File: BF118147.D

Acq: 9 Dec 2019 16:34

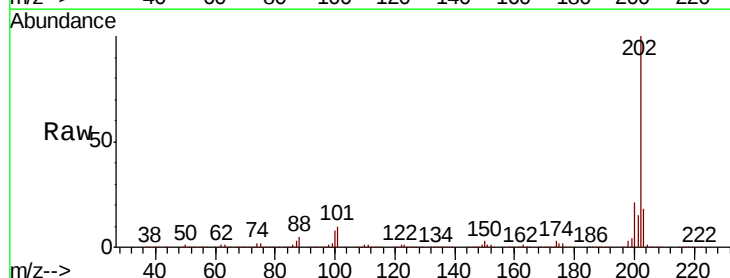
Tgt Ion:202 Resp: 1425599

Ion Ratio Lower Upper

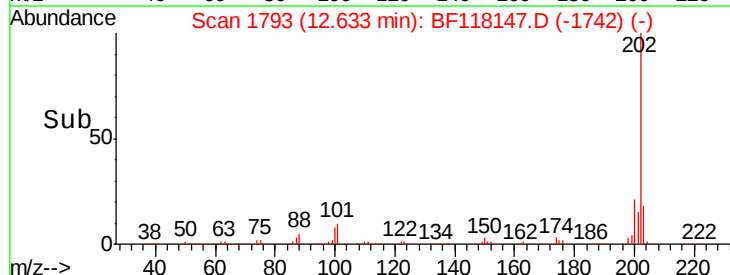
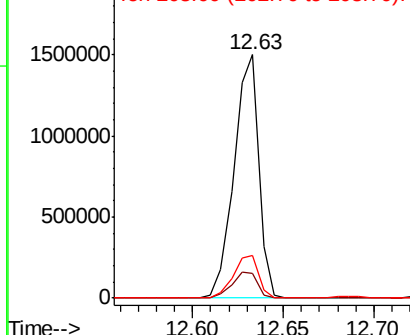
202 100

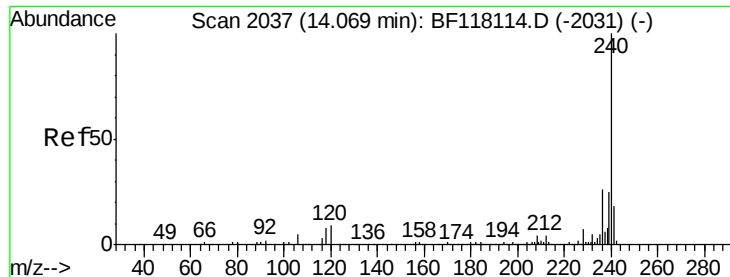
101 10.4 0.0 30.4

203 17.6 0.0 37.2



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





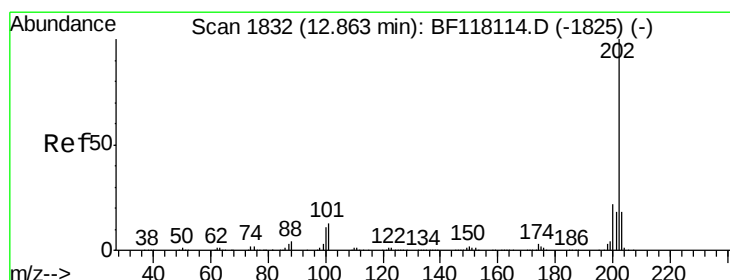
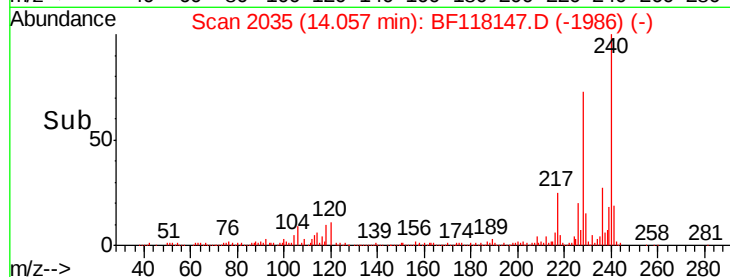
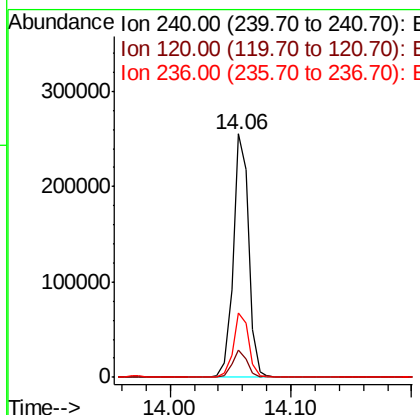
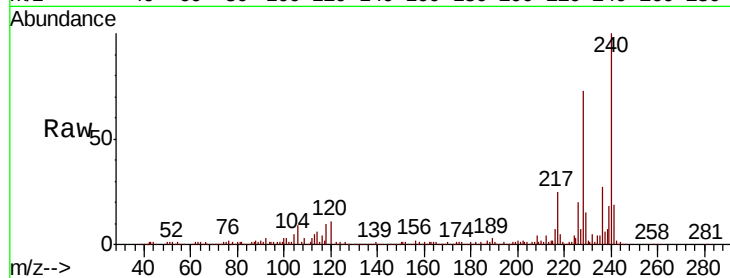
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF118147.D
 Acq: 9 Dec 2019 16:34

Instrument :
 BNA_F
 ClientSampleId :
 P001-WC006DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	7.1	10.7#
236	26.6	21.0	31.6

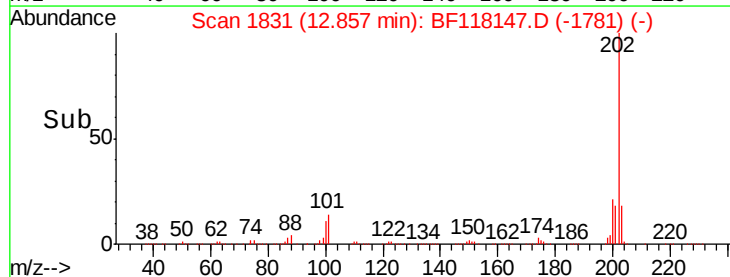
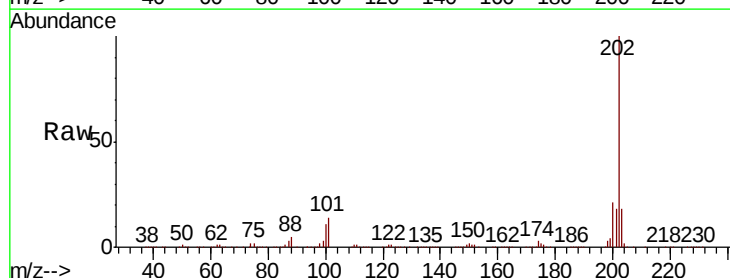
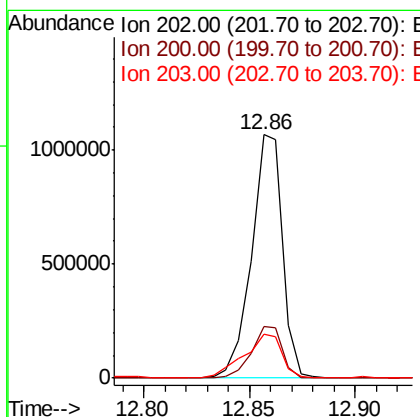
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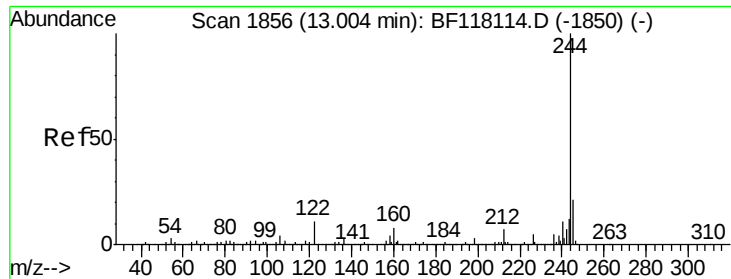
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#78
 Pyrene
 Concen: 60.791 ng
 RT: 12.86 min Scan# 1831
 Delta R.T. -0.01 min
 Lab File: BF118147.D
 Acq: 9 Dec 2019 16:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.5	26.3
203	18.0	14.6	21.8





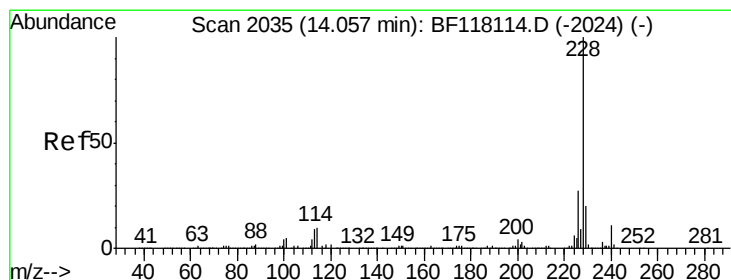
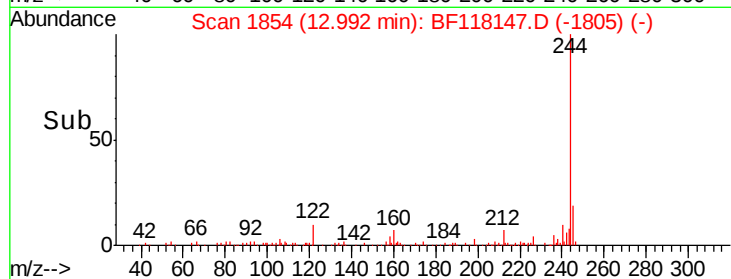
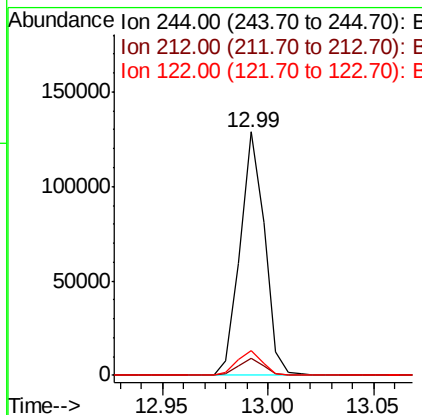
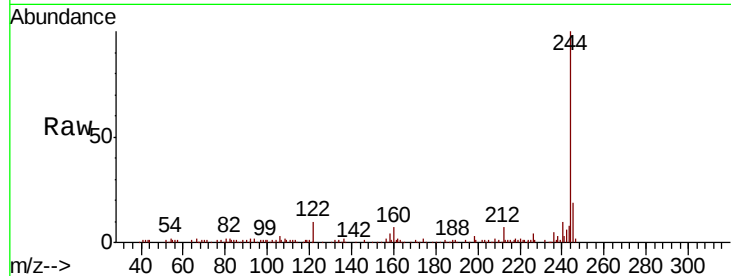
#79
 Terphenyl-d14
 Concen: 7.775 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF118147.D
 Acq: 9 Dec 2019 16:34

Instrument :
 BNA_F
 ClientSampleId :
 P001-WC006DL

Tot Ion:	244	Resp:	103012
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.9	8.9
122	9.9	9.0	13.6

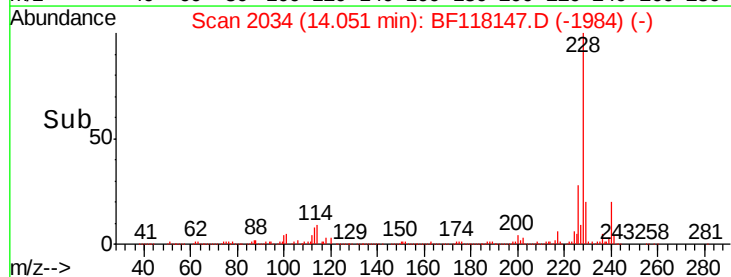
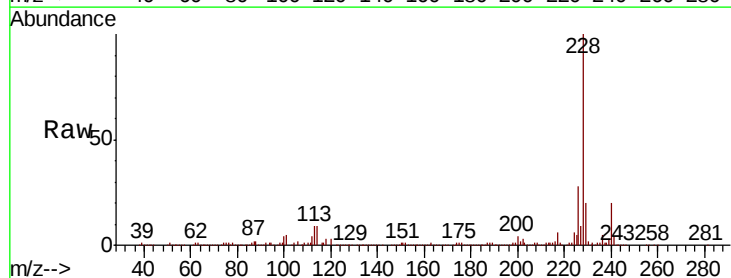
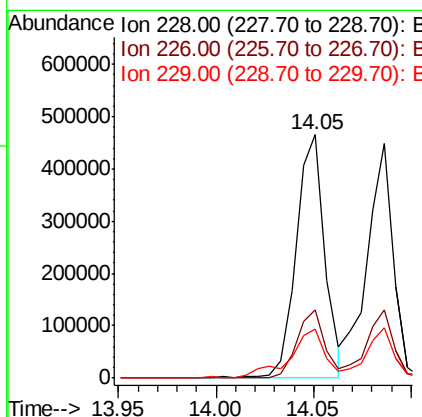
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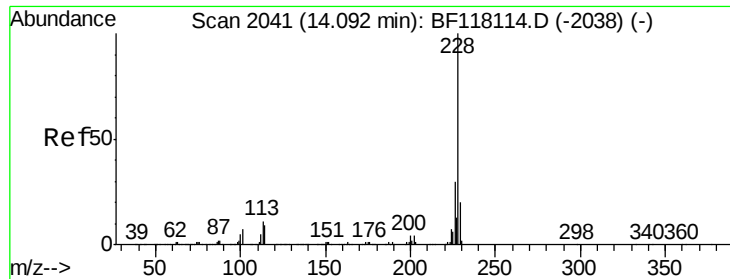
mohammad
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#81
 Benzo(a)anthracene
 Concen: 29.857 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF118147.D
 Acq: 9 Dec 2019 16:34

Tgt Ion:	228	Resp:	470401
Ion Ratio		Lower	Upper
228	100		
226	28.0	21.8	32.8
229	20.0	15.8	23.8





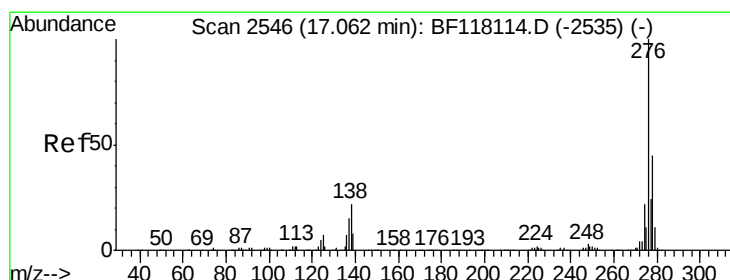
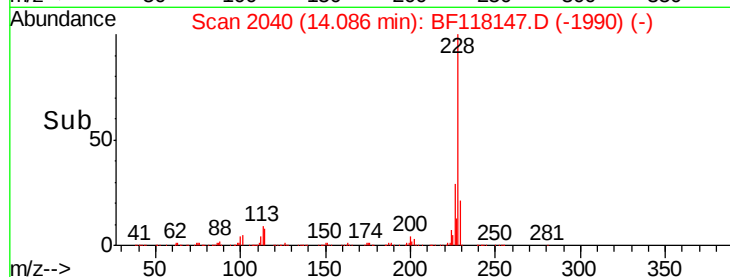
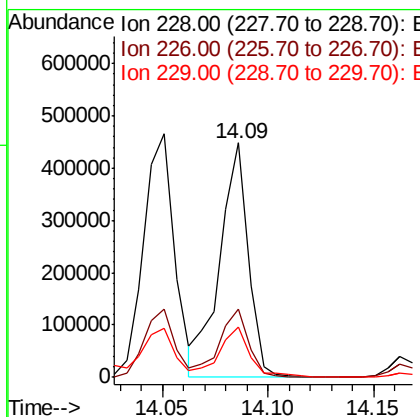
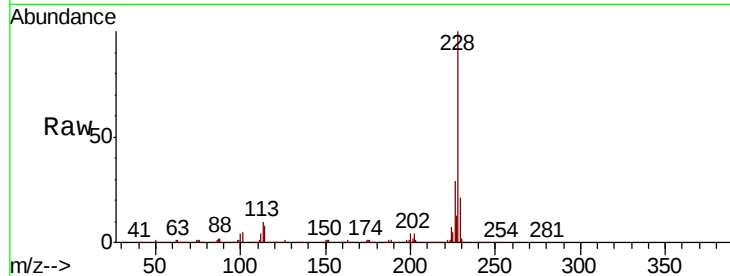
#83
Chrysene
Concen: 27.919 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF118147.D
Acq: 9 Dec 2019 16:34

Instrument :
BNA_F
ClientSampleId :
P001-WC006DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.8	35.8
229	21.3	15.7	23.5

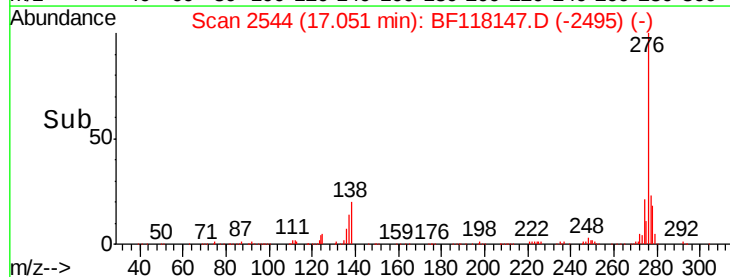
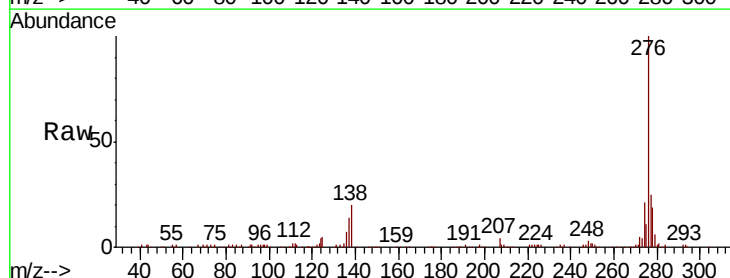
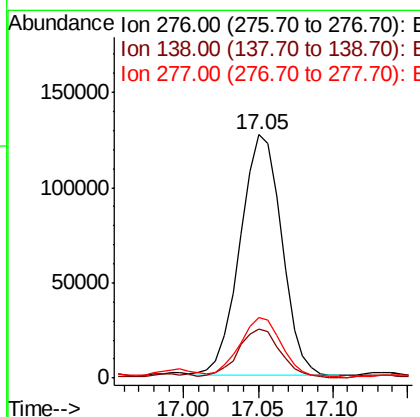
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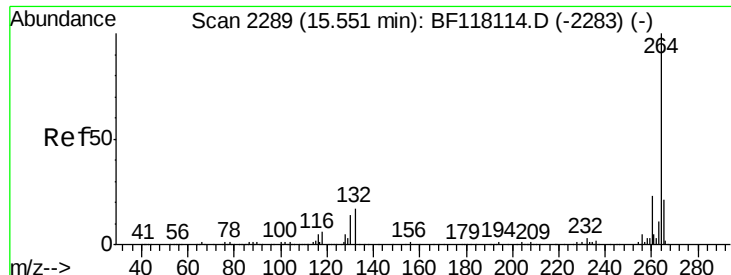
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 19.311 ng
RT: 17.05 min Scan# 2544
Delta R.T. -0.01 min
Lab File: BF118147.D
Acq: 9 Dec 2019 16:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	18.9	28.3
277	25.1	20.4	30.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.55 min Scan# 2289

Delta R.T. -0.00 min

Lab File: BF118147.D

Acq: 9 Dec 2019 16:34

Instrument :

BNA_F

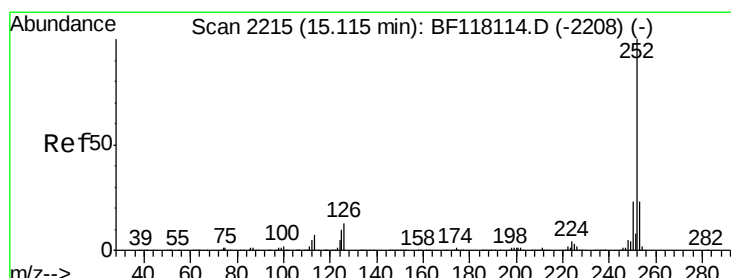
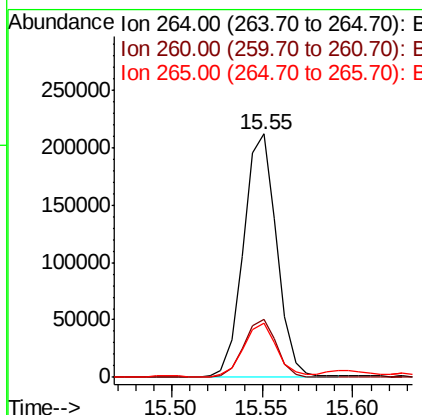
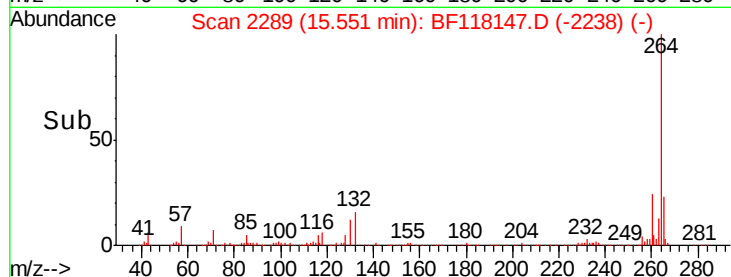
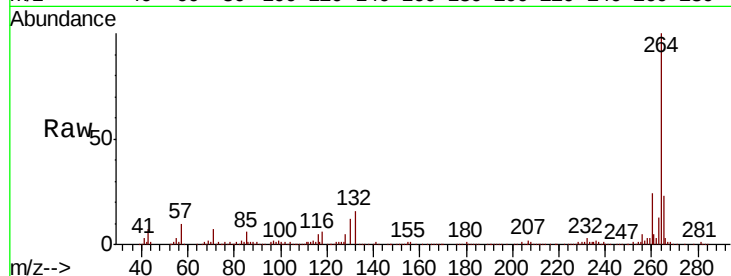
ClientSampleId :

P001-WC006DL

Tot Ion:	264	Resp:	269559
Ion Ratio		Lower	Upper
264	100		
260	23.8	18.6	28.0
265	22.5	16.8	25.2

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#88

Benzo(b)fluoranthene

Concen: 26.828 ng m

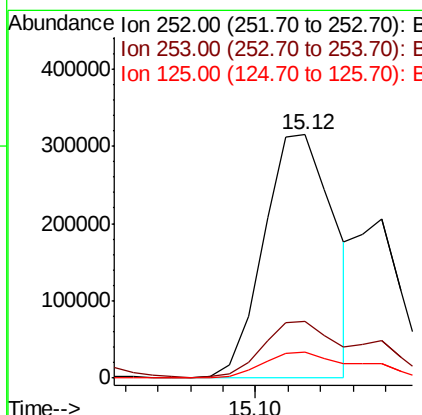
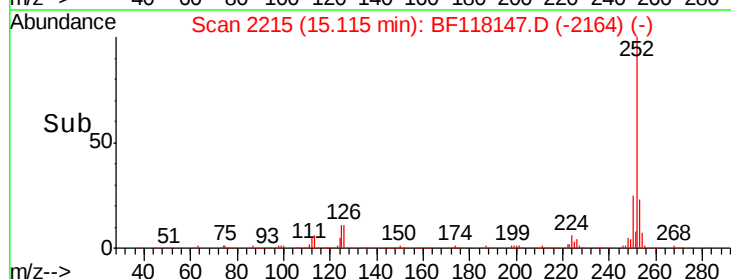
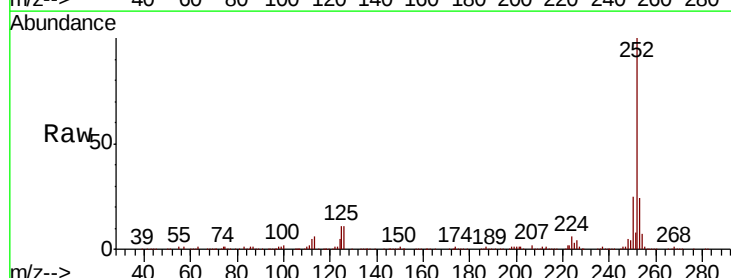
RT: 15.12 min Scan# 2215

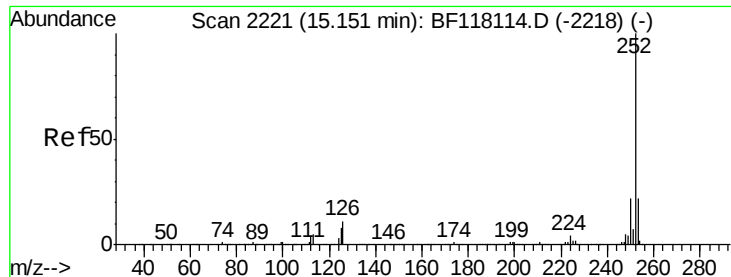
Delta R.T. -0.00 min

Lab File: BF118147.D

Acq: 9 Dec 2019 16:34

Tgt Ion:	252	Resp:	478290
Ion Ratio		Lower	Upper
252	100		
253	23.5	18.2	27.4
125	10.8	8.3	12.5





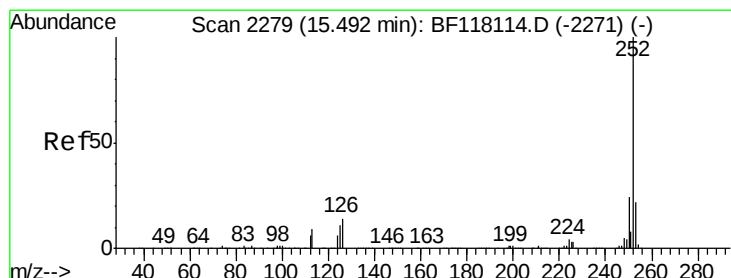
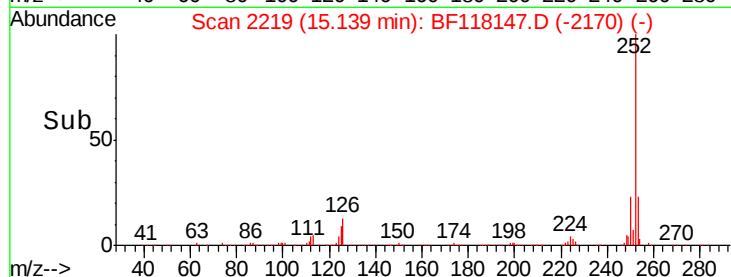
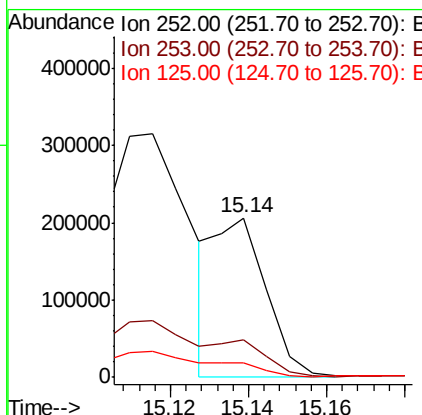
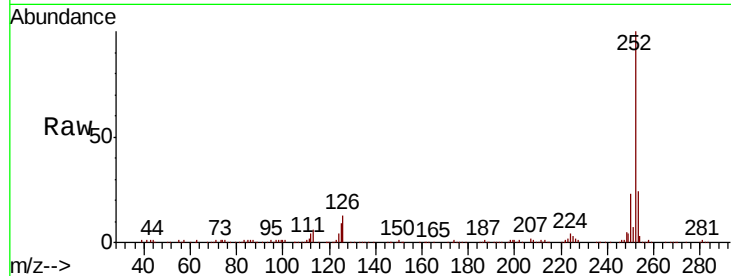
#89
Benzo(k)fluoranthene
Concen: 11.138 ng m
RT: 15.14 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BF118147.D
Acq: 9 Dec 2019 16:34

Instrument :
BNA_F
ClientSampleId :
P001-WC006DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	8.9	6.7	10.1

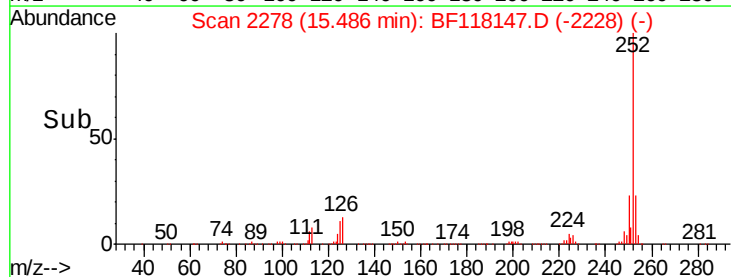
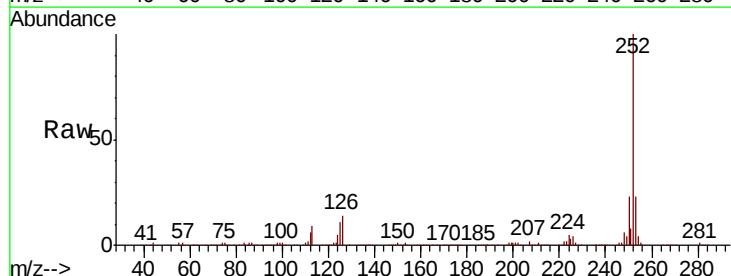
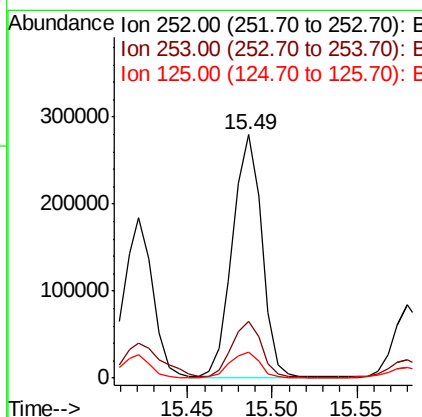
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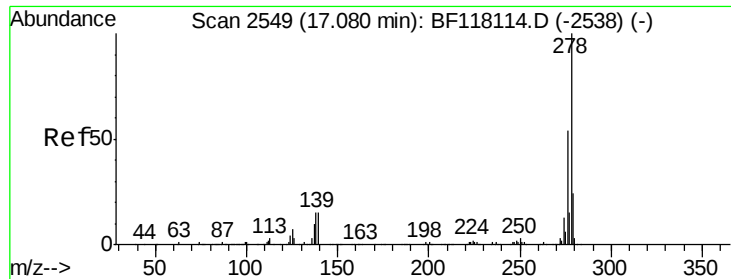
mohammad
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#90
Benzo(a)pyrene
Concen: 21.469 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF118147.D
Acq: 9 Dec 2019 16:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	10.9	9.1	13.7





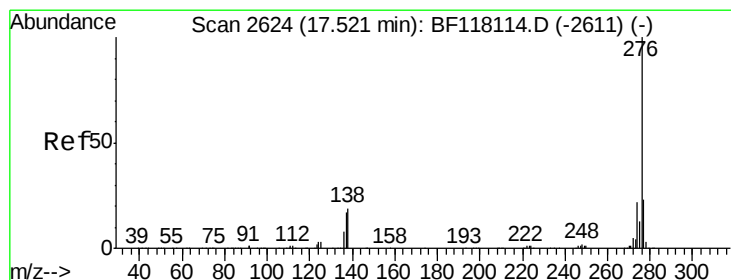
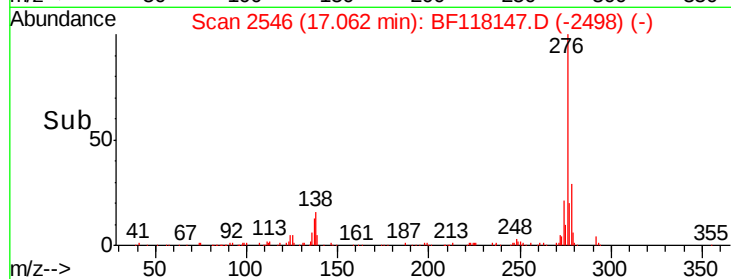
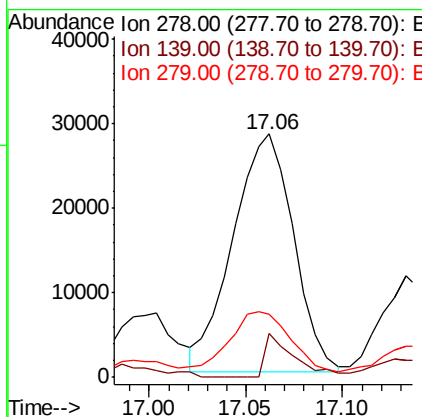
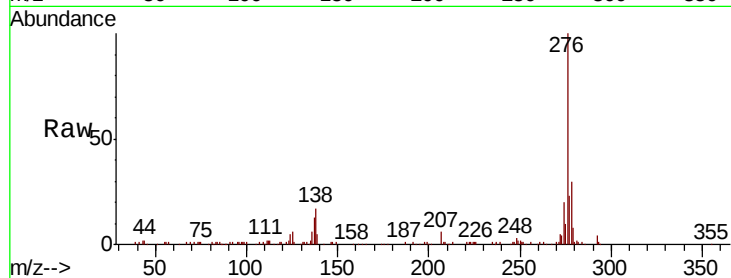
#91
Dibenzo(a,h)anthracene
Concen: 4.543 ng m
RT: 17.06 min Scan# 2546
Delta R.T. -0.02 min
Lab File: BF118147.D
Acq: 9 Dec 2019 16:34

Instrument :
BNA_F
ClientSampleID :
P001-WC006DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.9	11.7	17.5#
279	26.1	19.0	28.4

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#92
Benzo(g,h,i)perylene
Concen: 17.450 ng
RT: 17.51 min Scan# 2622
Delta R.T. -0.01 min
Lab File: BF118147.D
Acq: 9 Dec 2019 16:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.2	27.4
138	18.8	15.5	23.3

