

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114817.D
 Acq On : 5 Jun 2019 13:31
 Operator : HP/JU
 Sample : K3172-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-005-A

Manual Integrations
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Quant Time: Jun 06 05:21:14 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	6.66	152	479586	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1762204	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	845617	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1509391	20.00	ng	0.00
76) Chrysene-d12	13.79	240	1024411	20.00	ng	0.00
87) Perylene-d12	15.20	264	819864	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	736947	26.85	ng	0.00
7) Phenol-d6	6.30	99	2150964	64.41	ng	0.00
23) Nitrobenzene-d5	7.22	82	1528311	53.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.47	330	57687	6.33	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	2757575	61.09	ng	0.00
79) Terphenyl-d14	12.75	244	2678485	50.85	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.97	128	588155	7.414	ng	95
37) 2-Methylnaphthalene	8.66	142	268709	4.883	ng	97
38) 1-Methylnaphthalene	8.75	142	207470	3.976	ng	98
50) Dimethylphthalate	9.42	163	444130	7.191	ng	98
52) Acenaphthene	9.72	154	195870	3.872	ng	96
55) Dibenzofuran	9.89	168	243089	3.456	ng	95
71) Phenanthrene	11.19	178	2317990	32.169	ng	99
72) Anthracene	11.24	178	539287	7.112	ng	94
73) Carbazole	11.39	167	306381	4.713	ng	97
75) Fluoranthene	12.37	202	2454700	32.731	ng	97
78) Pyrene	12.60	202	2225759	25.045	ng	98
81) Benzo(a)anthracene	13.78	228	1057424	13.395	ng	98
83) Chrysene	13.82	228	1057035	13.765	ng	95
86) Indeno(1,2,3-cd)pyrene	16.52	276	330567	3.773	ng	97
88) Benzo(b)fluoranthene	14.82	252	865723m	16.587	ng	
89) Benzo(k)fluoranthene	14.84	252	330770m	7.463	ng	
90) Benzo(a)pyrene	15.14	252	586918	12.992	ng	# 91
91) Dibenzo(a,h)anthracene	16.53	278	98320	2.298	ng	# 58
92) Benzo(a,h,i)perylene	16.92	276	314205	7.303	ng	93

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

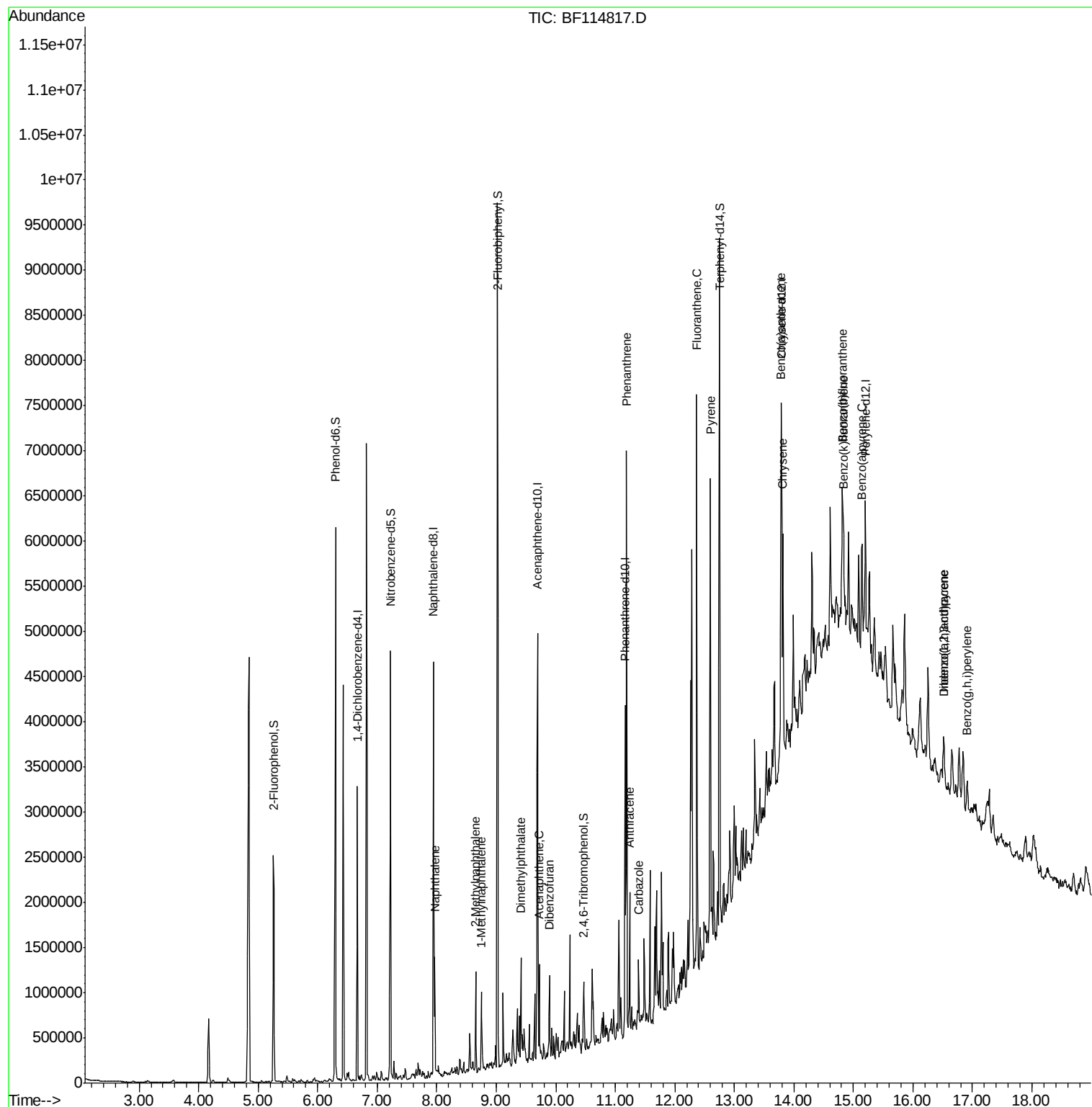
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
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#1

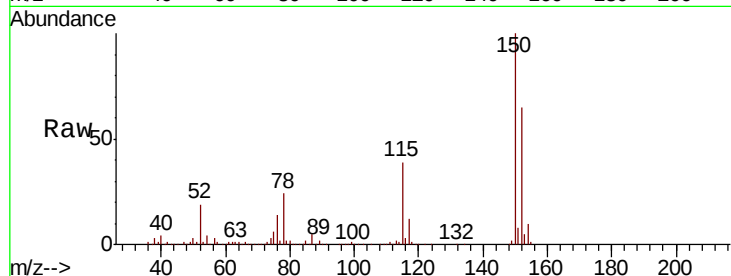
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF114817.D
Acq: 5 Jun 2019 13:31

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	124.0	186.0
115	59.5	46.3	69.5

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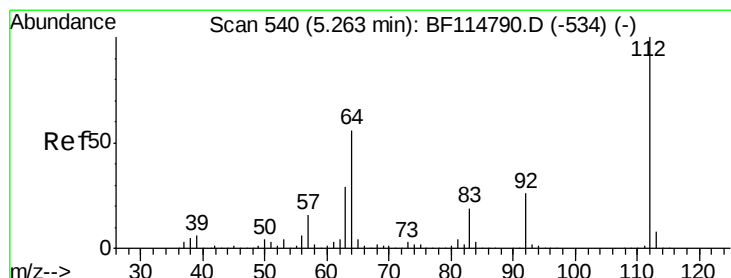
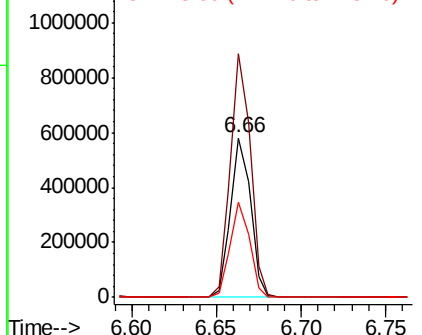
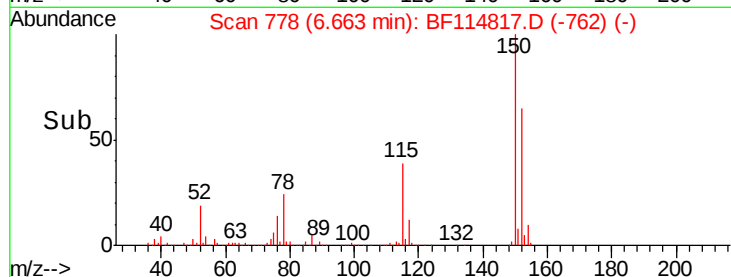


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

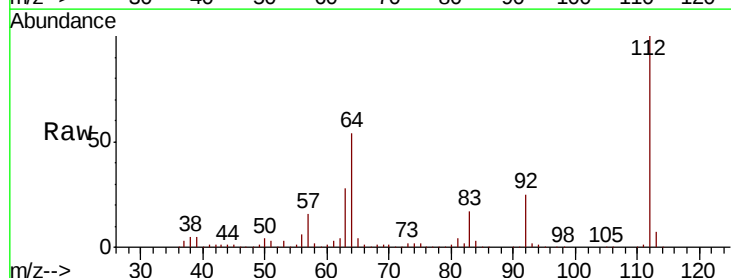
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 26.850 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF114817.D
Acq: 5 Jun 2019 13:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	44.6	66.8
63	28.0	23.0	34.4

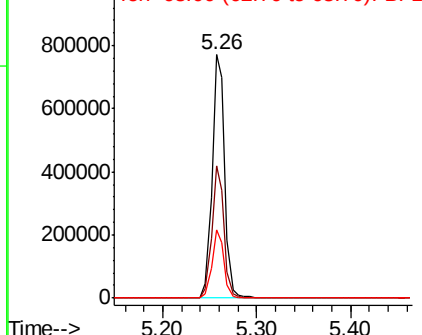
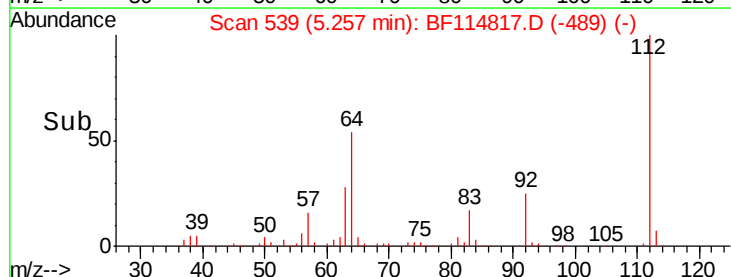


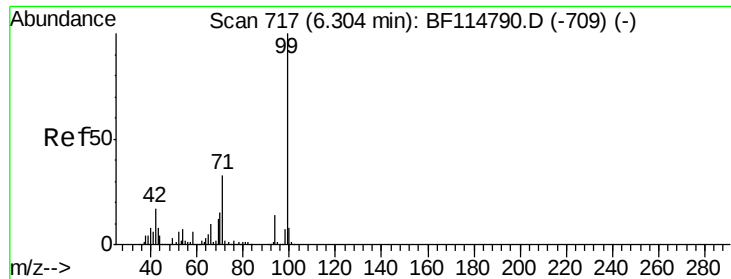
Abundance

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: 64.406 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF114817.D

Acq: 5 Jun 2019 13:31

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-005-A

Tot Ion: 99 Resp: 2150964

Ion Ratio Lower Upper

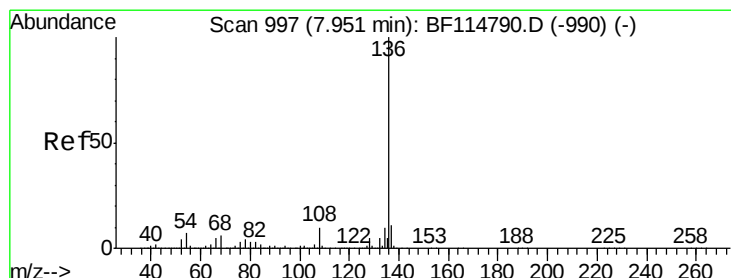
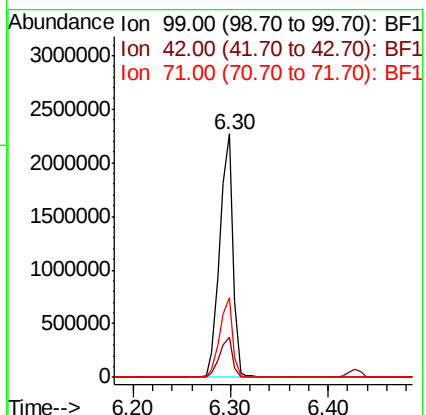
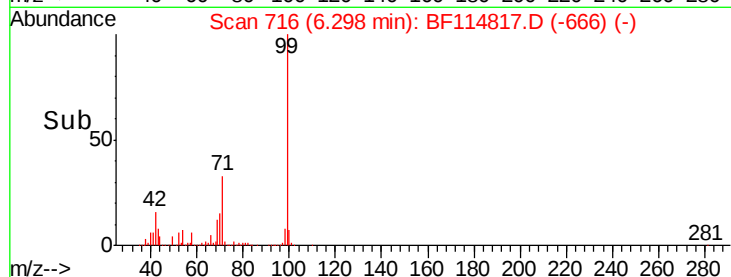
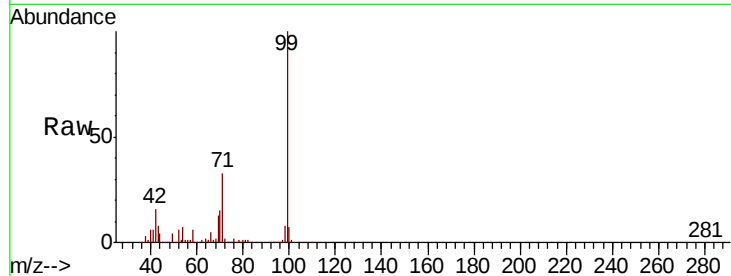
99 100

42 16.3 13.3 19.9

71 32.9 26.3 39.5

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF114817.D

Acq: 5 Jun 2019 13:31

Tgt Ion: 136 Resp: 1762204

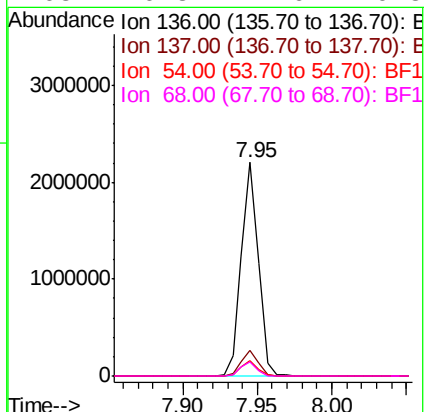
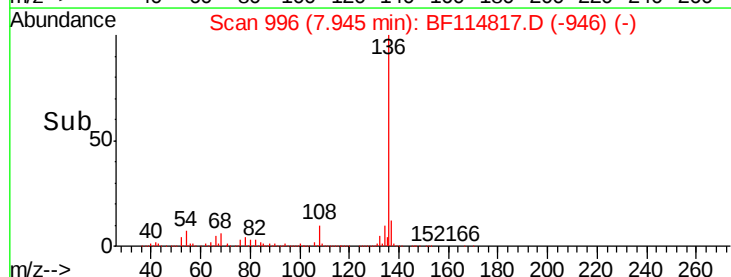
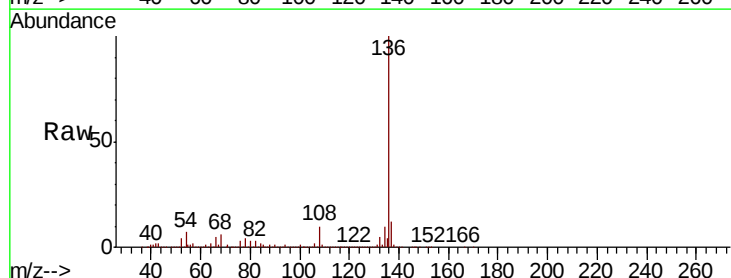
Ion Ratio Lower Upper

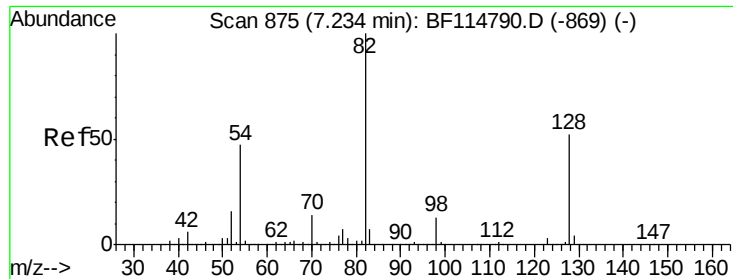
136 100

137 11.8 9.1 13.7

54 7.3 5.4 8.0

68 6.3 4.6 6.8





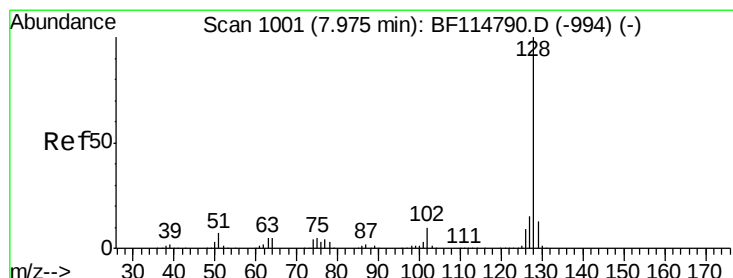
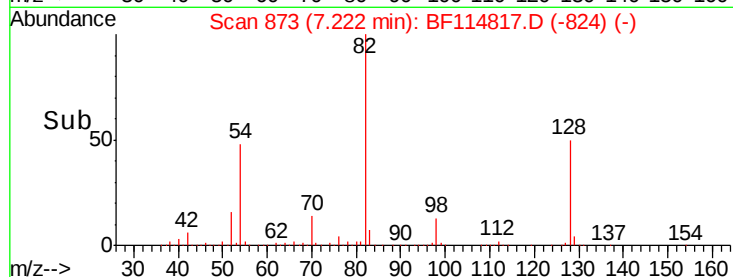
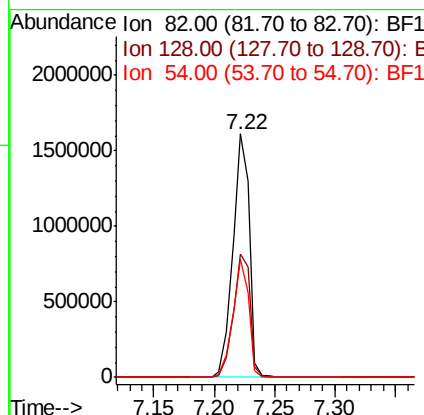
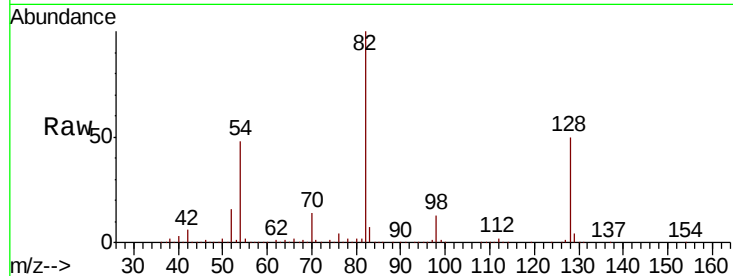
#23
Nitrobenzene-d5
Concen: 53.388 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF114817.D
Acq: 5 Jun 2019 13:31

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-A

Tot Ion	82	Resp	1528311
Ion Ratio	Lower	Upper	
82	100		
128	50.4	41.8	62.6
54	48.3	37.9	56.9

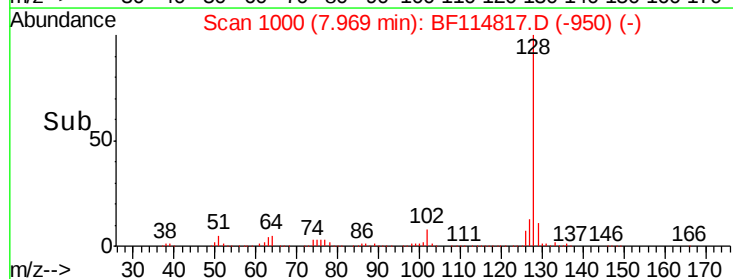
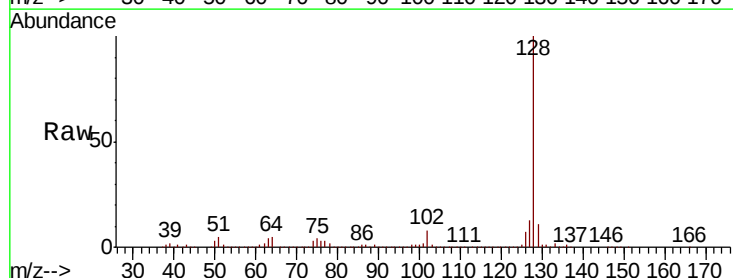
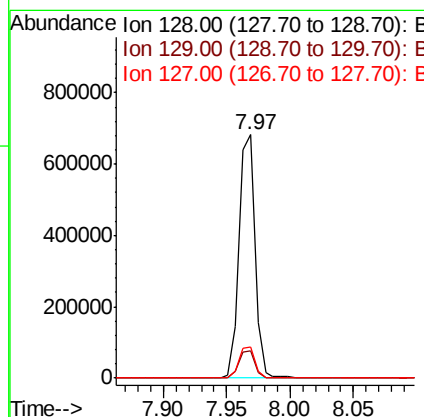
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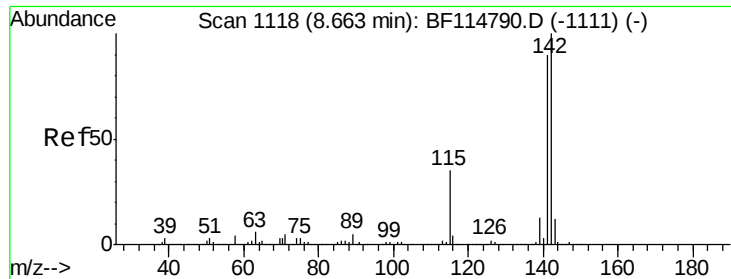
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#31
Naphthalene
Concen: 7.414 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.01 min
Lab File: BF114817.D
Acq: 5 Jun 2019 13:31

Tgt Ion	128	Resp	588155
Ion Ratio	Lower	Upper	
128	100		
129	11.4	10.0	15.0
127	12.6	12.2	18.2





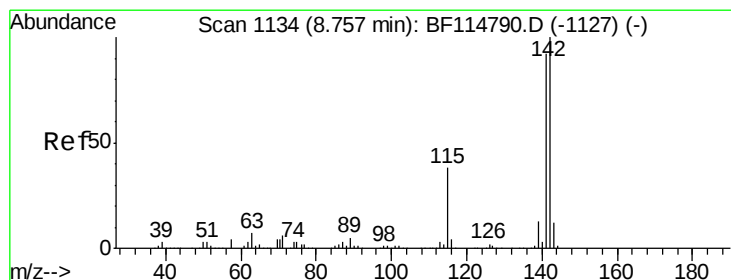
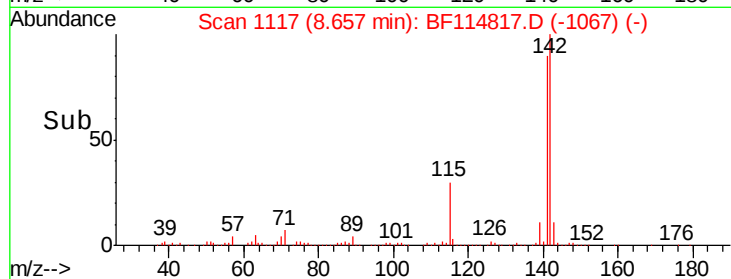
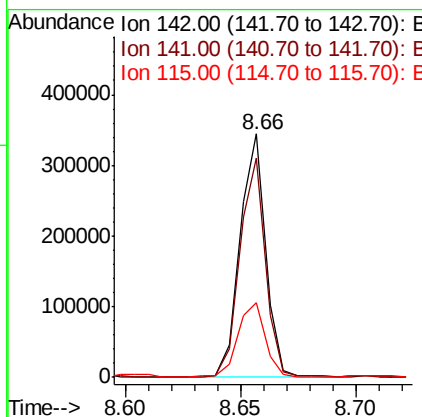
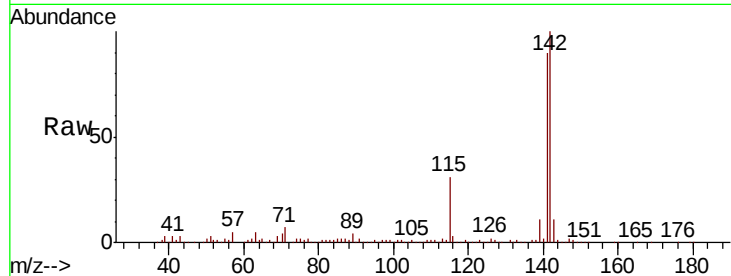
#37
2-Methylnaphthalene
Concen: 4.883 ng
RT: 8.66 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BF114817.D
Acq: 5 Jun 2019 13:31

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-A

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.6	107.4
115	30.5	28.2	42.4

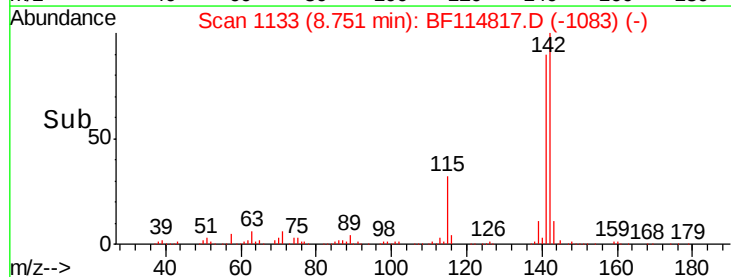
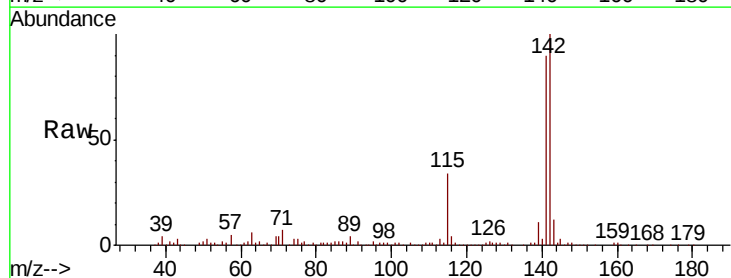
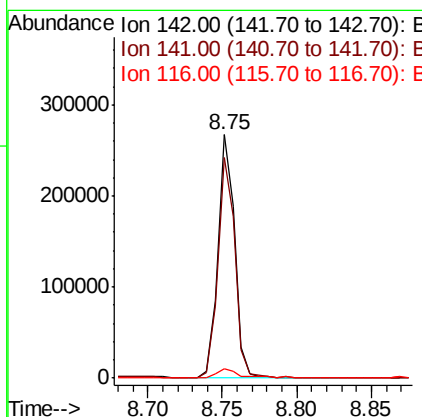
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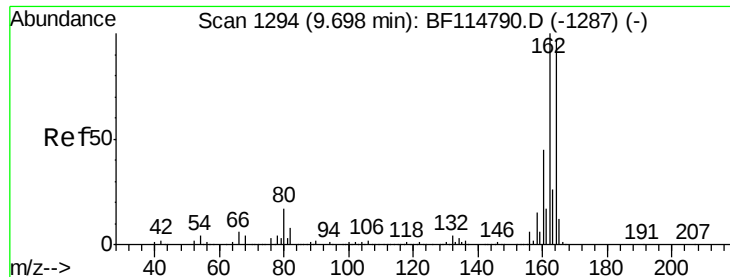
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#38
1-Methylnaphthalene
Concen: 3.976 ng
RT: 8.75 min Scan# 1133
Delta R.T. -0.01 min
Lab File: BF114817.D
Acq: 5 Jun 2019 13:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	73.8	110.6
116	4.0	3.3	4.9





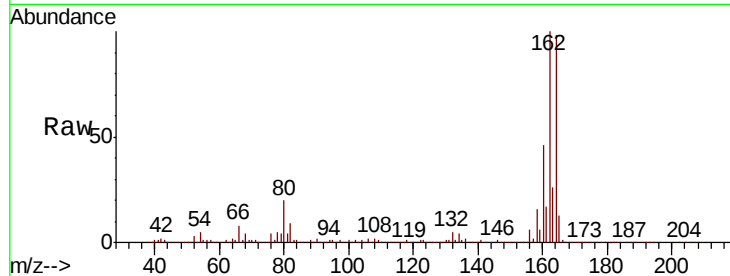
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF114817.D
Acq: 5 Jun 2019 13:31

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-A

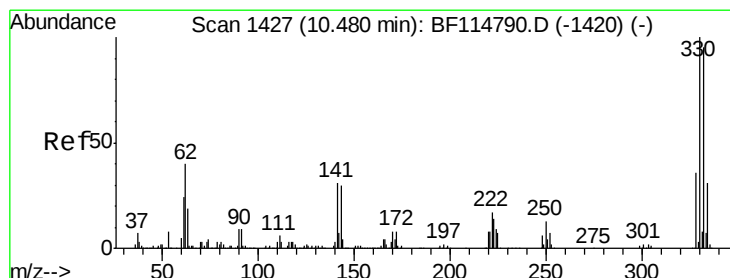
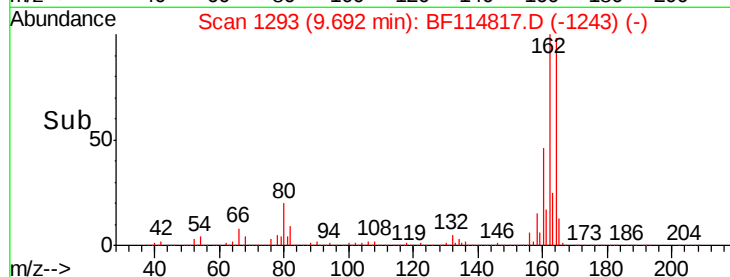
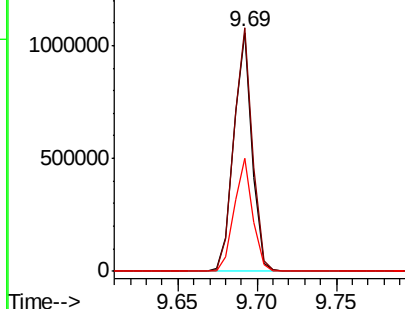
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.9	82.3	123.5	
160	47.2	36.7	55.1	

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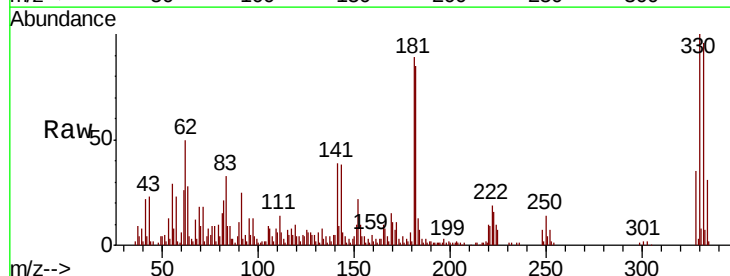


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

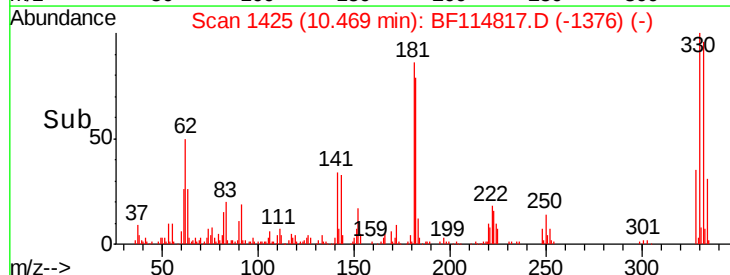
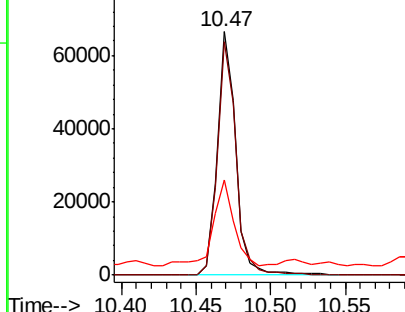


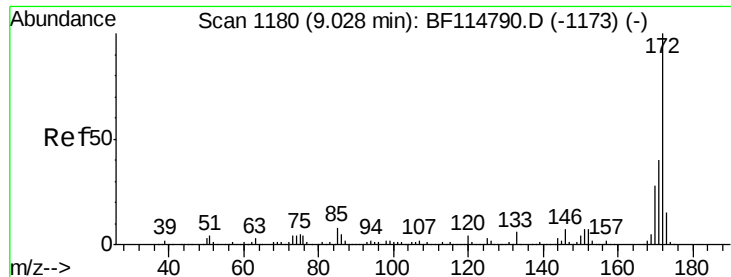
#42
2,4,6-Tribromophenol
Concen: 6.330 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF114817.D
Acq: 5 Jun 2019 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	77.3	115.9	
141	40.2	26.2	39.4	



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





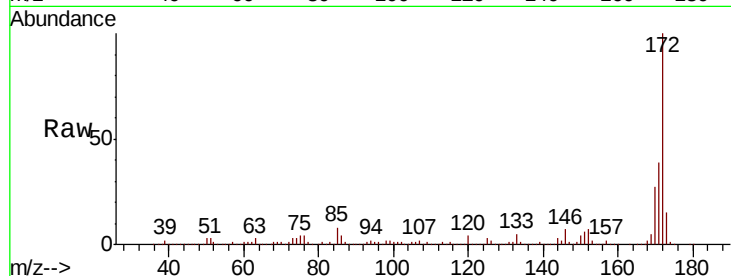
#45
2-Fluorobiphenyl
Concen: 61.088 ng
RT: 9.02 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF114817.D
Acq: 5 Jun 2019 13:31

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.8	32.3	48.5
170	27.1	22.4	33.6

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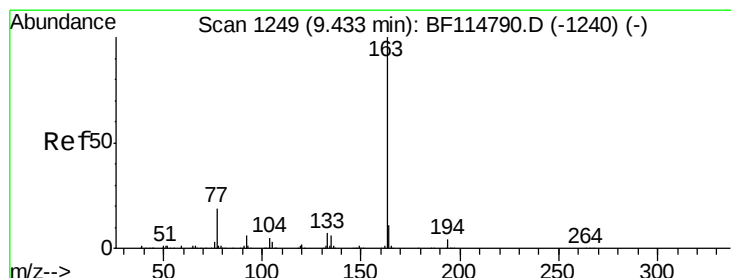
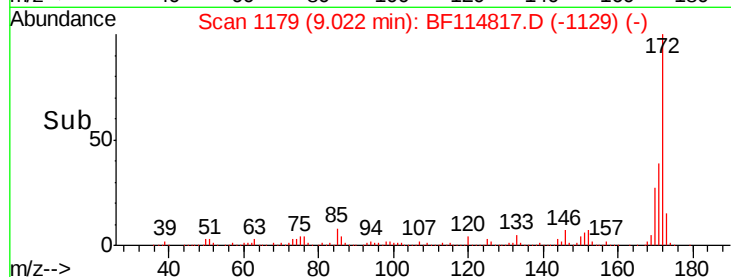
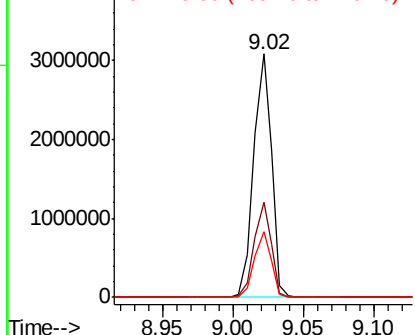


Abundance

Ion 172.00 (171.70 to 172.70): E

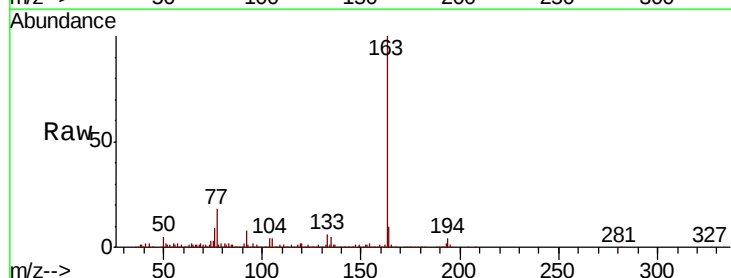
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 7.191 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF114817.D
Acq: 5 Jun 2019 13:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	9.8	8.6	13.0

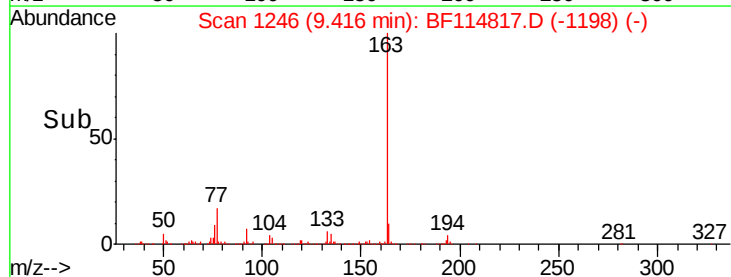
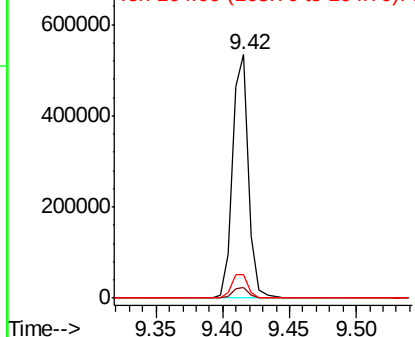


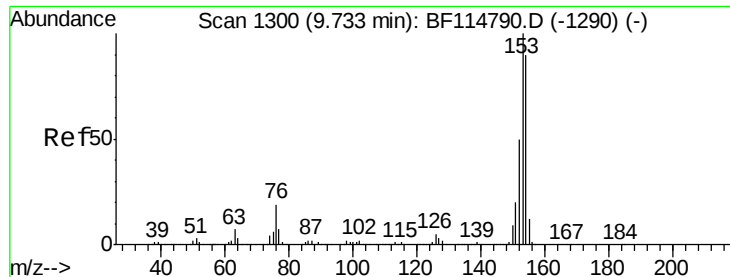
Abundance

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





#52

Acenaphthene

Concen: 3.872 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF114817.D

Acq: 5 Jun 2019 13:31

Instrument :

BNA_F

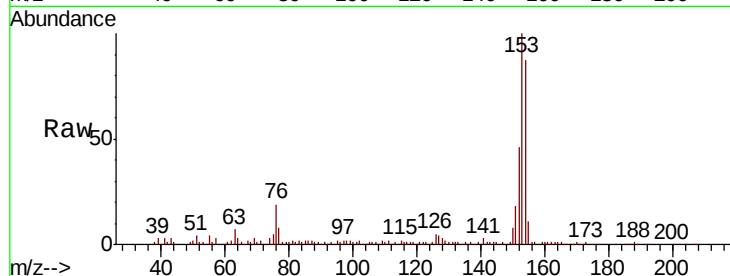
ClientSampleId :

FK-SF-01-005-A

Tot Ion:	154	Resp:	195870
Ion Ratio	Lower	Upper	
154	100		
153	115.2	88.5	132.7
152	53.4	44.1	66.1

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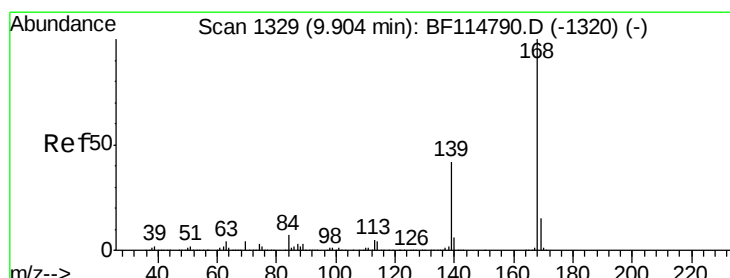
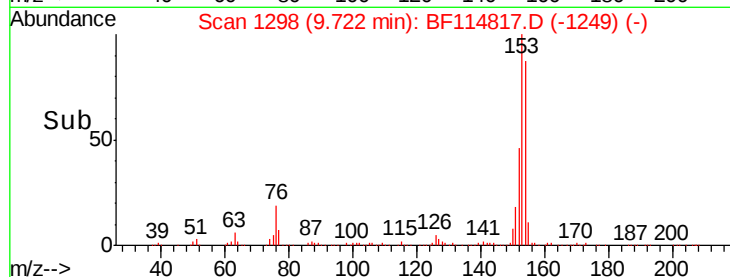
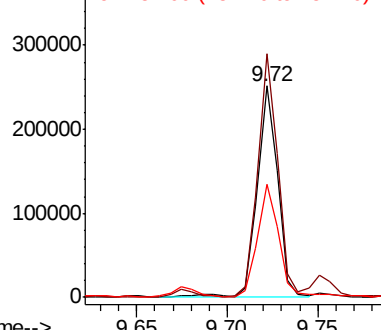


Abundance

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



#55

Dibenzofuran

Concen: 3.456 ng

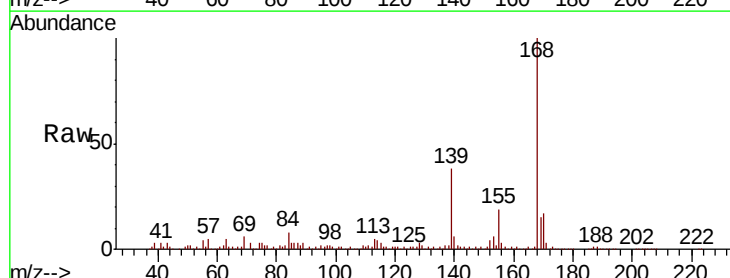
RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF114817.D

Acq: 5 Jun 2019 13:31

Tgt Ion:	168	Resp:	243089
Ion Ratio	Lower	Upper	
168	100		
139	37.9	33.8	50.6
169	15.4	11.9	17.9

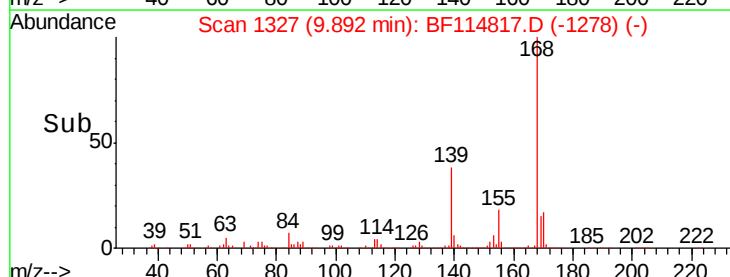
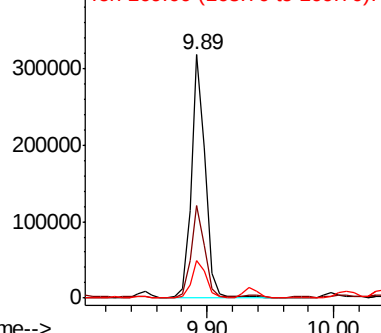


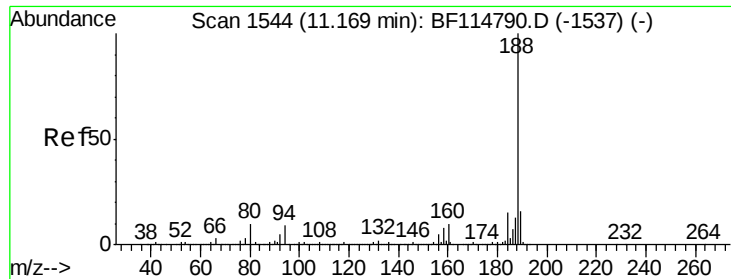
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1544

Delta R.T. -0.00 min

Lab File: BF114817.D

Acq: 5 Jun 2019 13:31

Instrument :

BNA_F

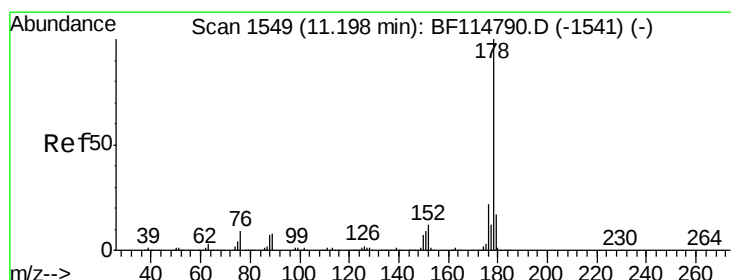
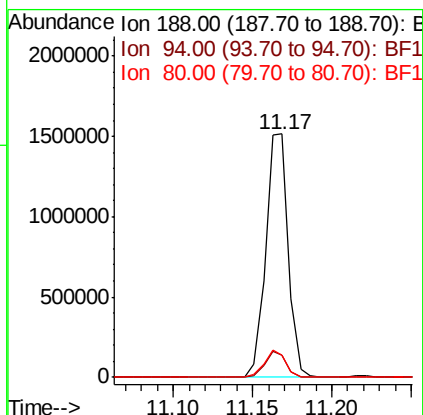
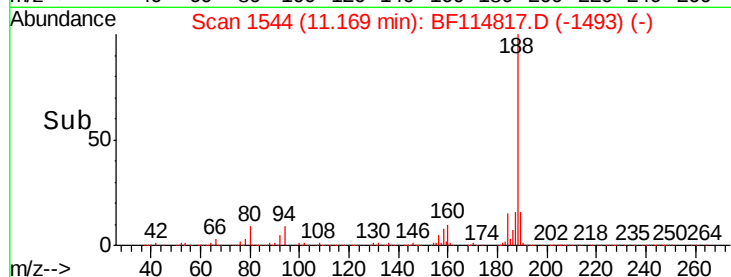
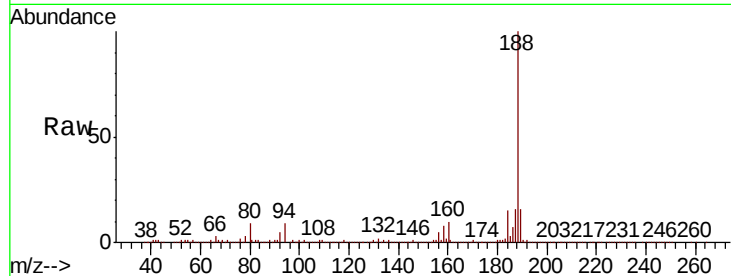
ClientSampleId :

FK-SF-01-005-A

Tot Ion:	188	Resp:	1509391
Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.6	11.4
80	9.3	8.3	12.5

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#71

Phenanthrene

Concen: 32.169 ng

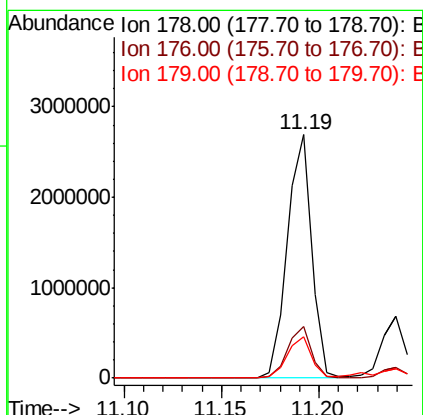
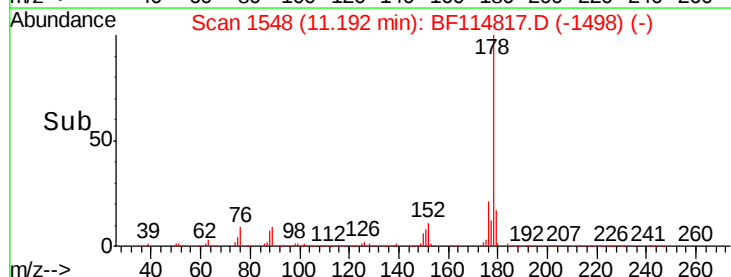
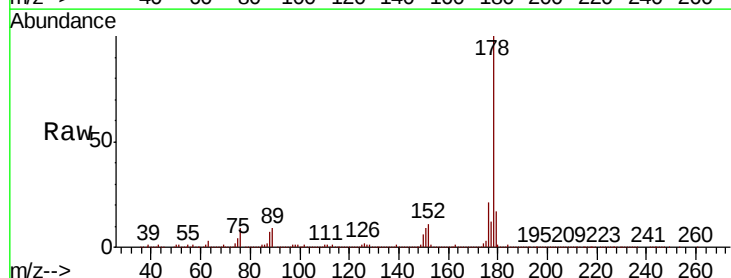
RT: 11.19 min Scan# 1548

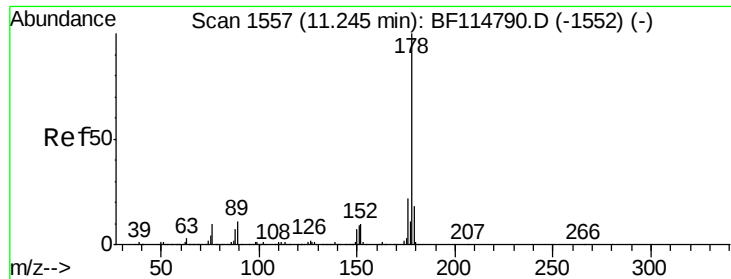
Delta R.T. -0.01 min

Lab File: BF114817.D

Acq: 5 Jun 2019 13:31

Tgt Ion:	178	Resp:	2317990
Ion	Ratio	Lower	Upper
178	100		
176	21.3	17.7	26.5
179	17.0	13.7	20.5





#72

Anthracene

Concen: 7.112 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF114817.D

Acq: 5 Jun 2019 13:31

Instrument :

BNA_F

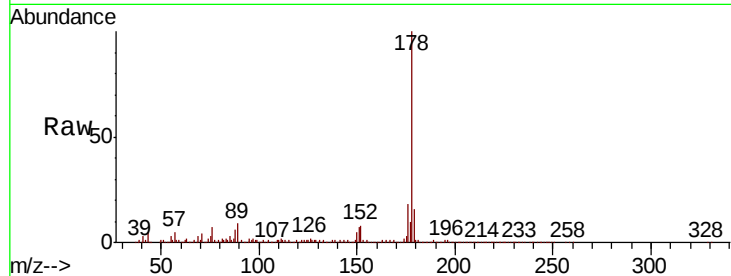
ClientSampleId :

FK-SF-01-005-A

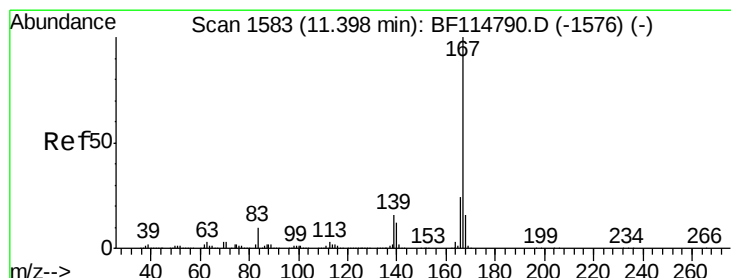
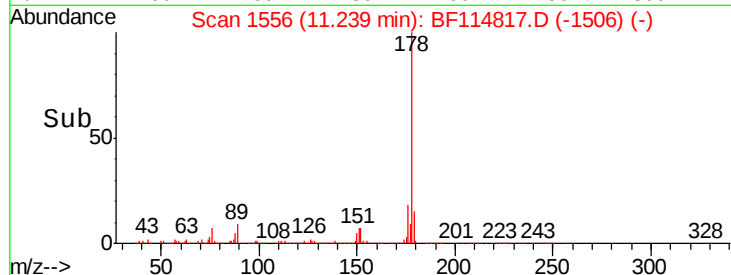
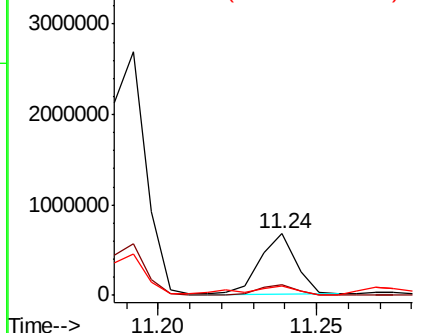
Tot Ion:	178	Resp:	539287
Ion Ratio	Lower	Upper	
178	100		
176	18.3	17.4	26.0
179	15.6	14.2	21.4

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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



#73

Carbazole

Concen: 4.713 ng

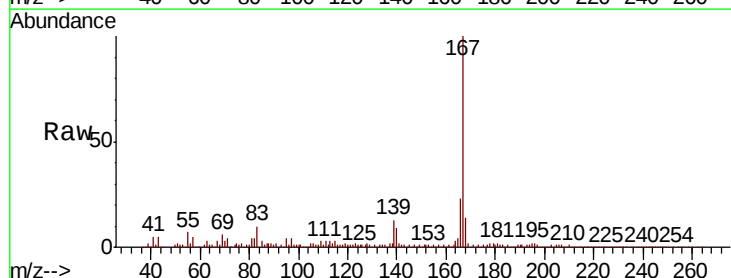
RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

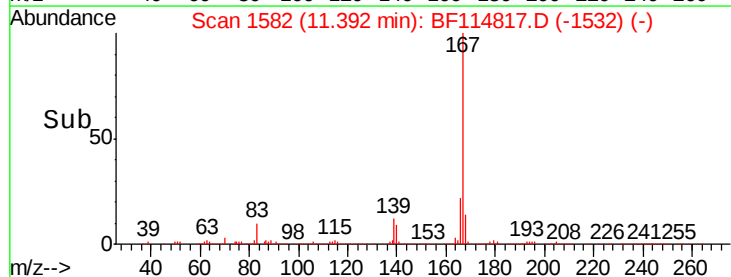
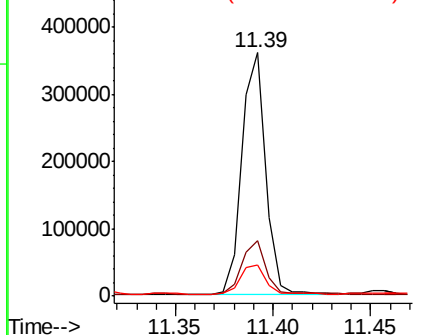
Lab File: BF114817.D

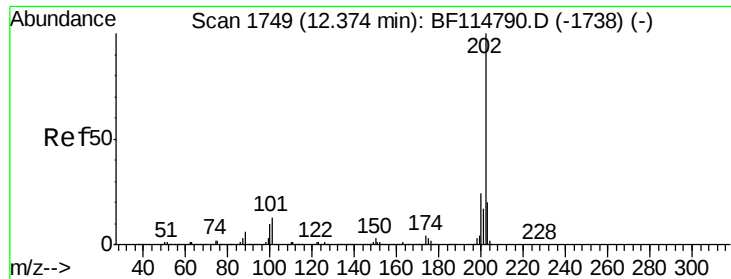
Acq: 5 Jun 2019 13:31

Tgt Ion:	167	Resp:	306381
Ion Ratio	Lower	Upper	
167	100		
166	23.0	19.1	28.7
139	13.0	12.4	18.6



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 32.731 ng

RT: 12.37 min Scan# 1749

Delta R.T. -0.00 min

Lab File: BF114817.D

Acq: 5 Jun 2019 13:31

Instrument :

BNA_F

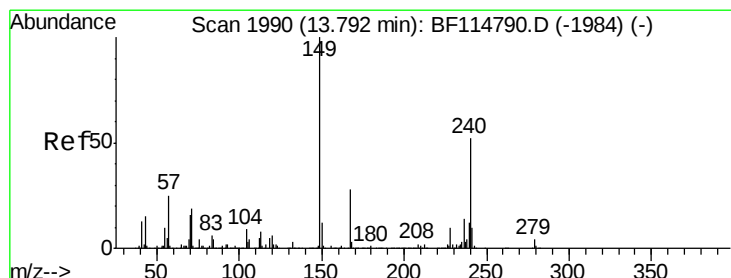
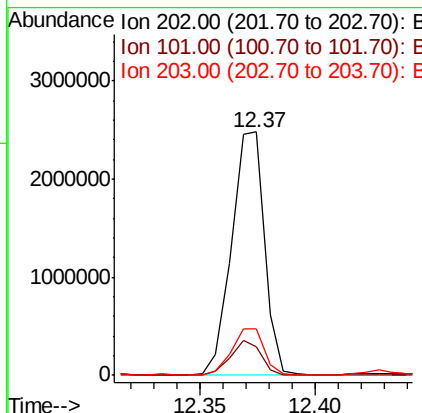
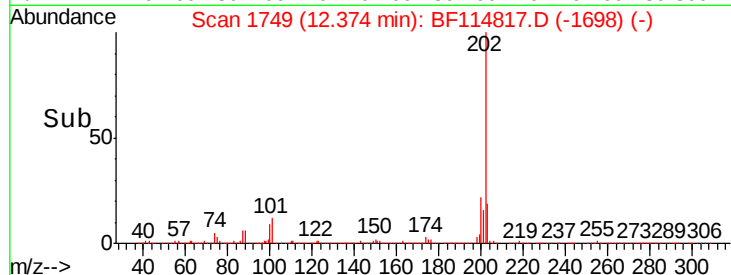
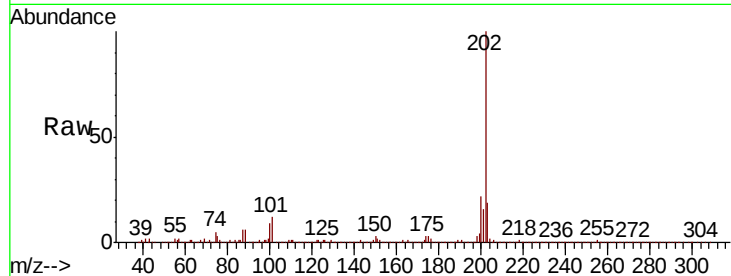
ClientSampleId :

FK-SF-01-005-A

Tot Ion:	202	Resp:	2454700
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	32.8
203	19.0	0.2	40.2

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#76

Chrysene-d12

Concen: 20.000 ng

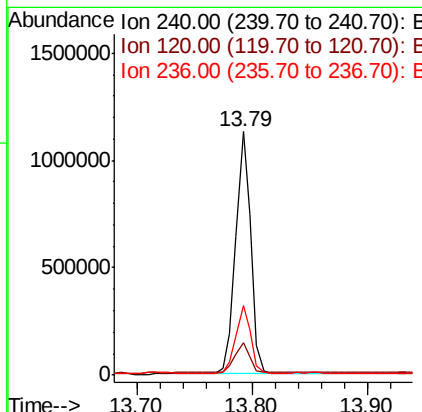
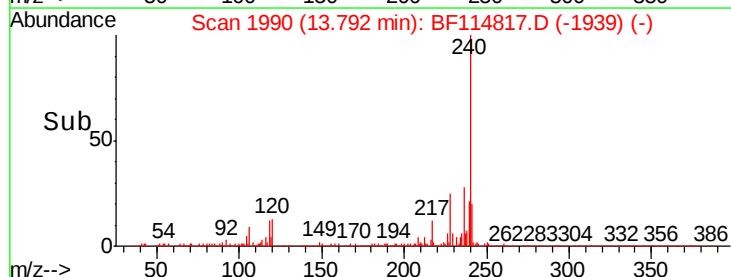
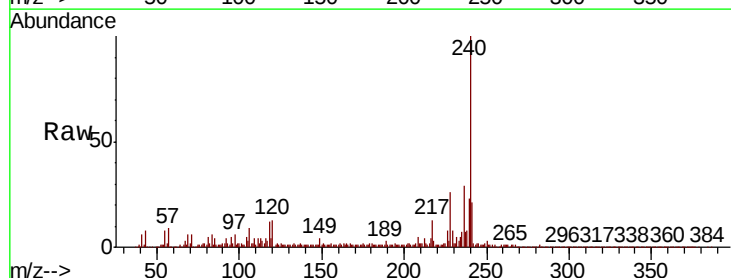
RT: 13.79 min Scan# 1990

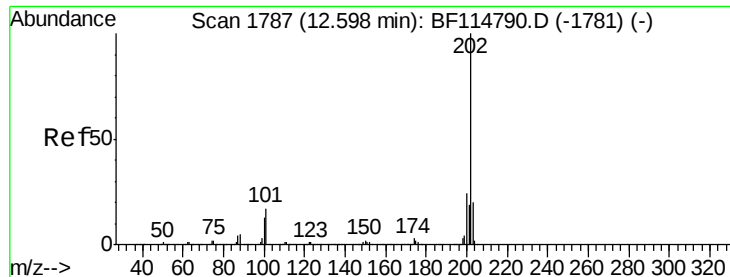
Delta R.T. -0.00 min

Lab File: BF114817.D

Acq: 5 Jun 2019 13:31

Tgt Ion:	240	Resp:	1024411
Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.0	13.4
236	28.7	21.4	32.0





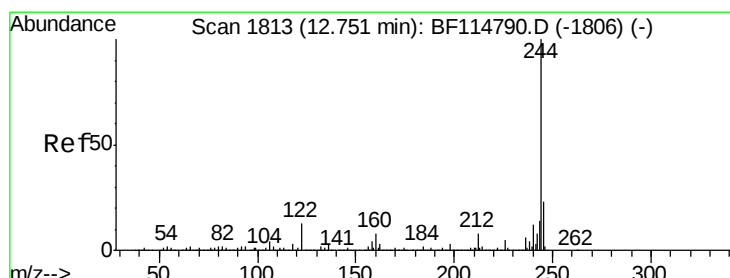
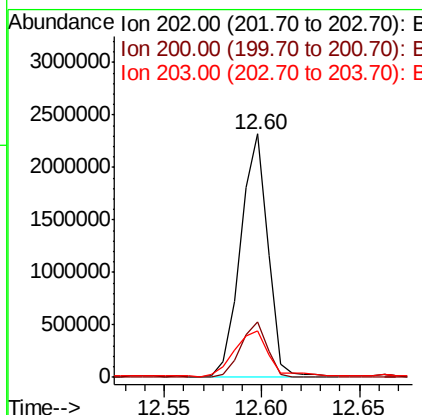
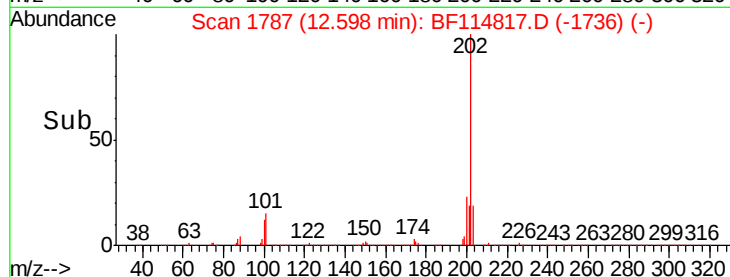
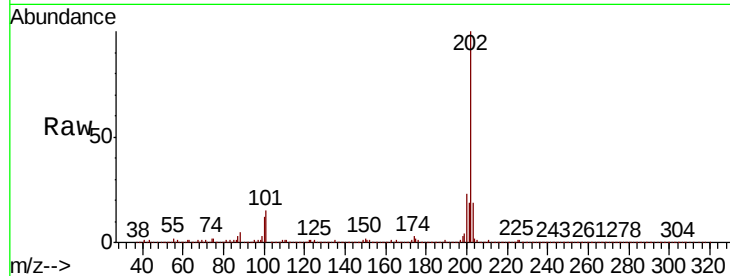
#78
Pvrene
Concen: 25.045 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.00 min
Lab File: BF114817.D
Acq: 5 Jun 2019 13:31

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.9	19.2	28.8
203	19.4	15.9	23.9

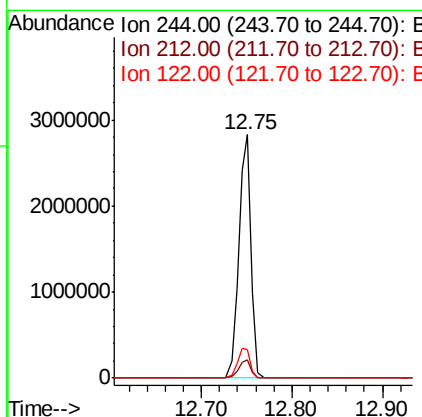
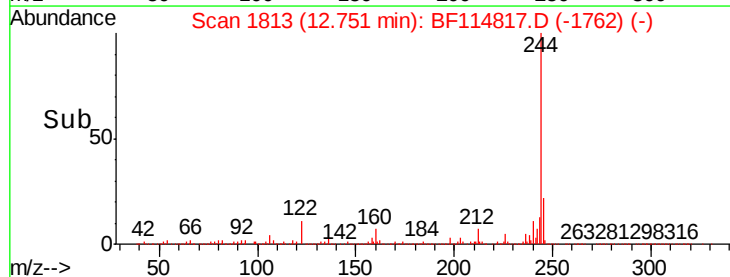
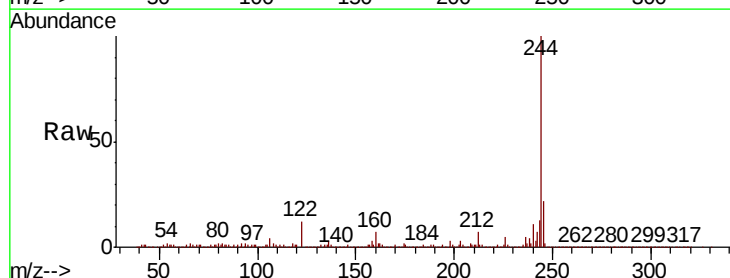
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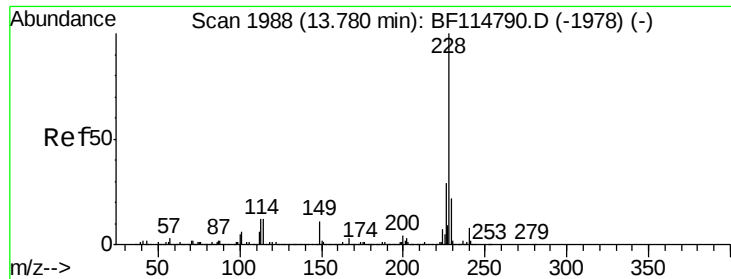
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#79
Terphenyl-d14
Concen: 50.849 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.00 min
Lab File: BF114817.D
Acq: 5 Jun 2019 13:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.5	9.7
122	11.6	10.5	15.7





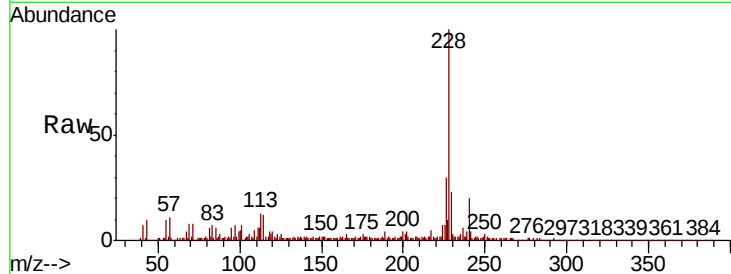
#81
Benzo(a)anthracene
Concen: 13.395 ng
RT: 13.78 min Scan# 1988
Delta R.T. -0.00 min
Lab File: BF114817.D
Acq: 5 Jun 2019 13:31

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.2
229	22.8	17.4	26.0

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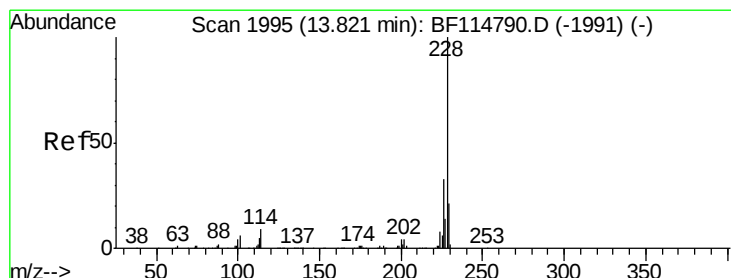
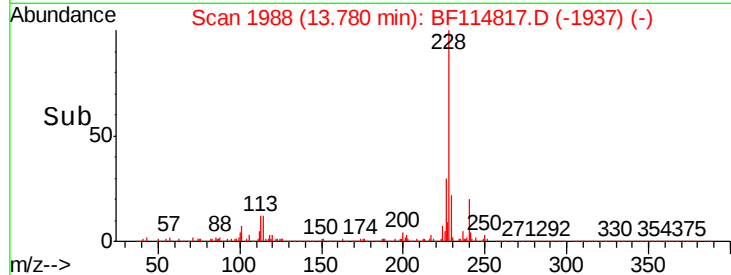
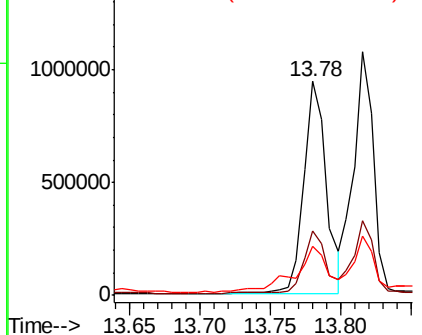


Abundance

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: 13.765 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF114817.D
Acq: 5 Jun 2019 13:31

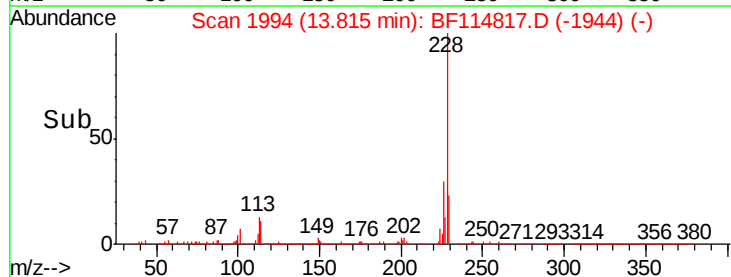
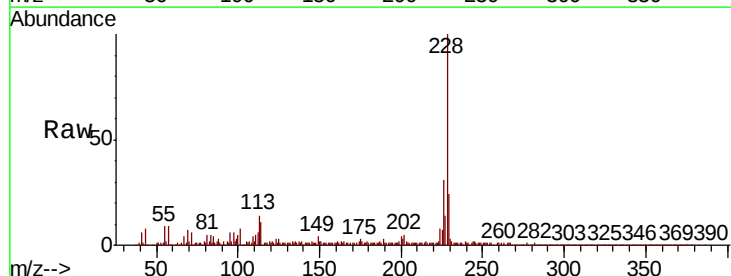
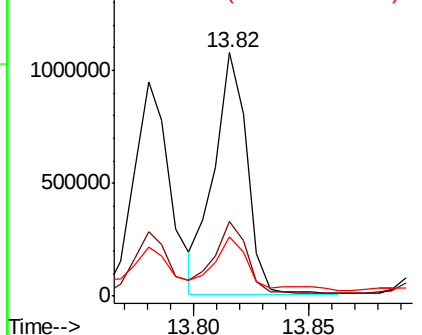
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	26.0	39.0
229	24.3	17.1	25.7

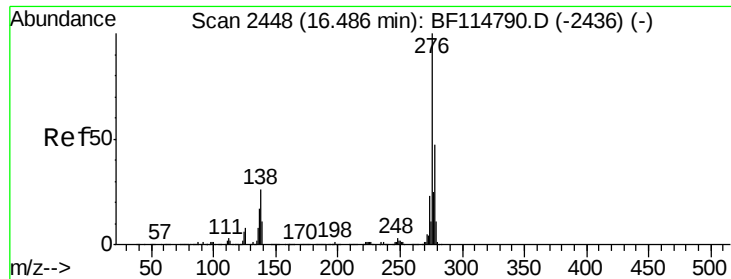
Abundance

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





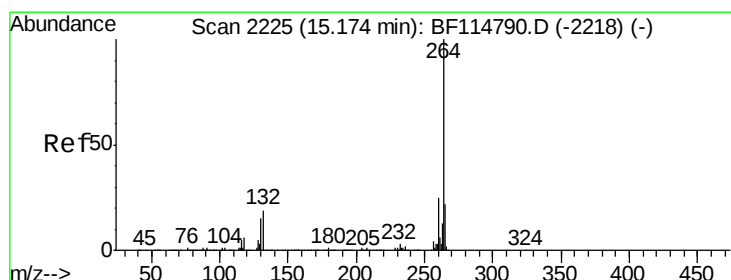
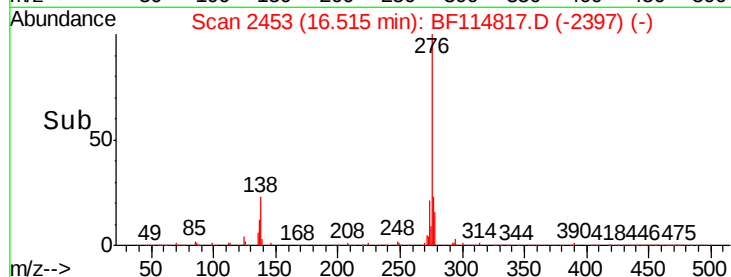
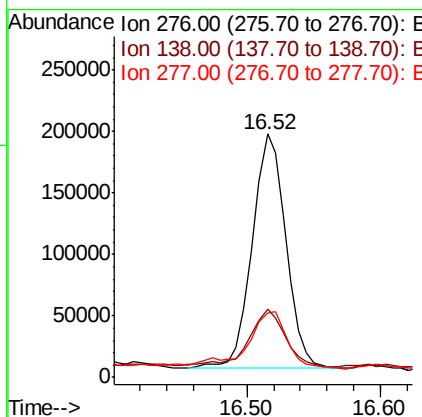
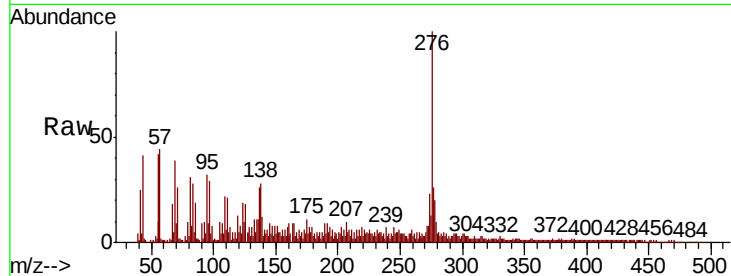
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.773 ng
RT: 16.52 min Scan# 2453
Delta R.T. 0.03 min
Lab File: BF114817.D
Acq: 5 Jun 2019 13:31

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.3	22.2	33.4
277	26.9	20.6	30.8

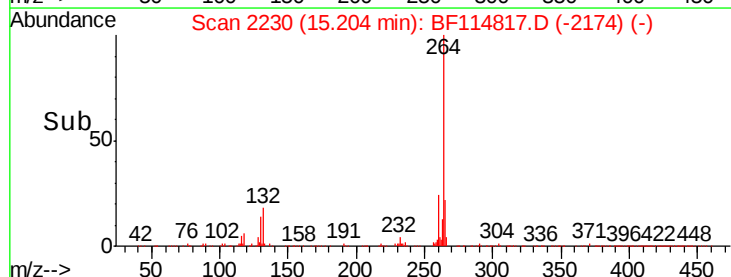
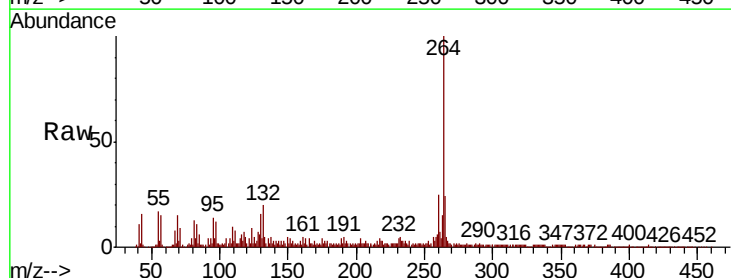
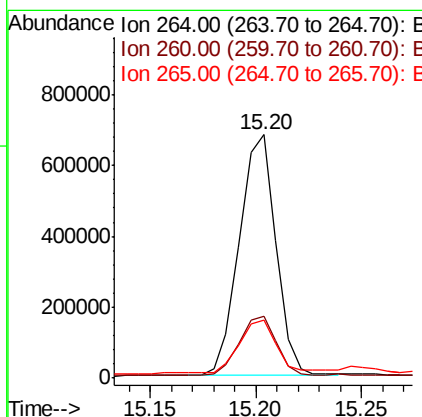
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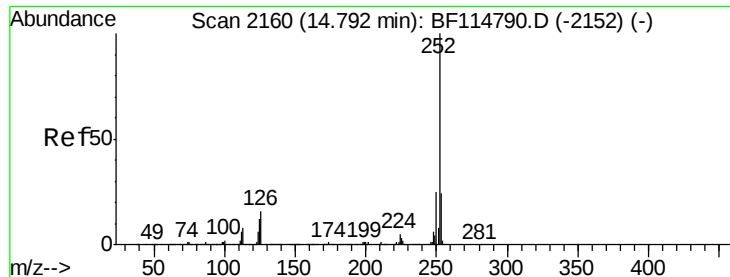
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.03 min
Lab File: BF114817.D
Acq: 5 Jun 2019 13:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.1	30.1
265	23.9	17.7	26.5





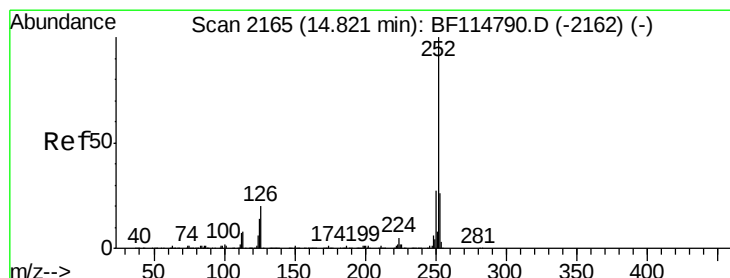
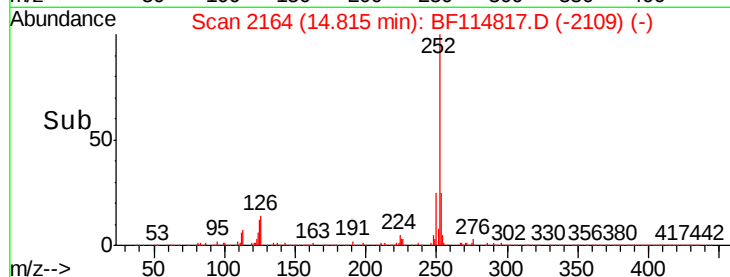
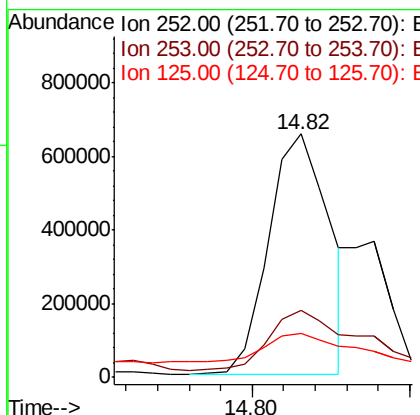
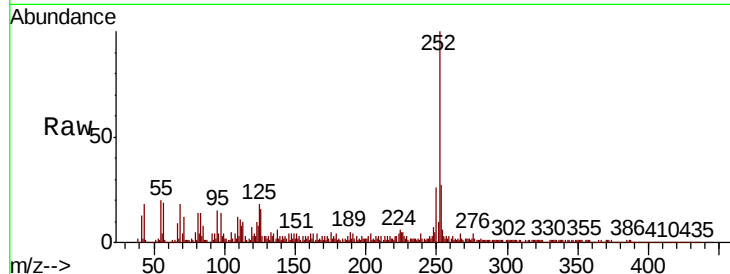
#88
Benzo(b)fluoranthene
Concen: 16.587 ng m
RT: 14.82 min Scan# 2164
Delta R.T. 0.02 min
Lab File: BF114817.D
Acq: 5 Jun 2019 13:31

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.3	19.0	28.6
125	17.8	9.4	14.0

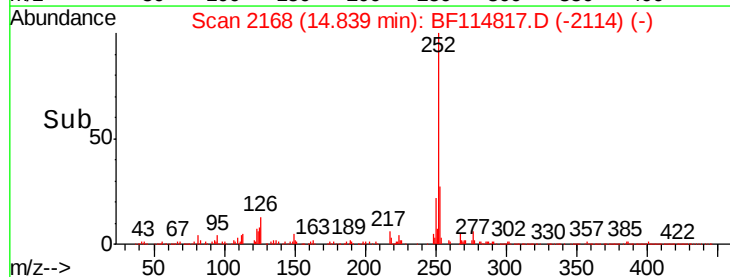
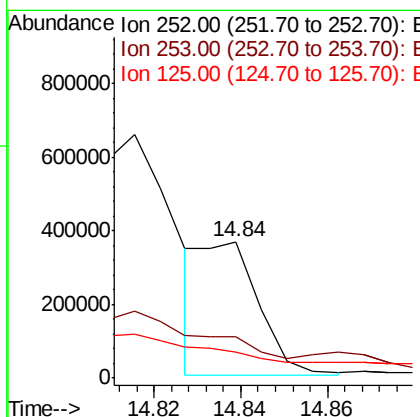
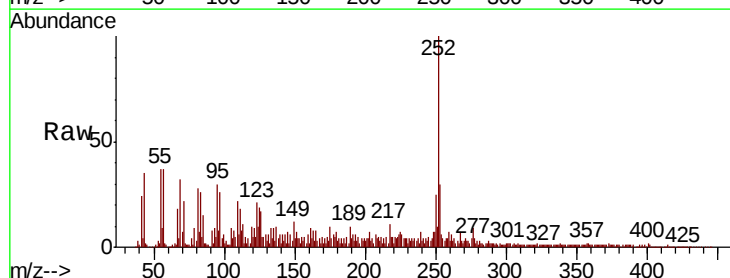
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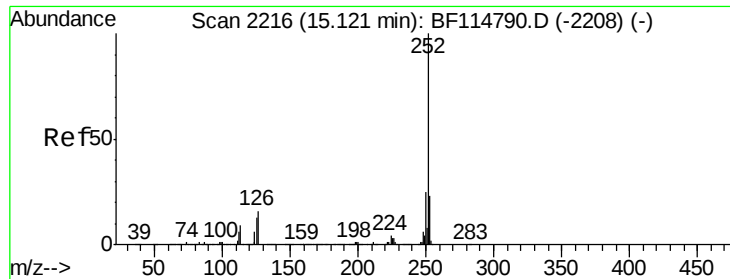
mohammad
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#89
Benzo(k)fluoranthene
Concen: 7.463 ng m
RT: 14.84 min Scan# 2168
Delta R.T. 0.02 min
Lab File: BF114817.D
Acq: 5 Jun 2019 13:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.4	19.3	28.9
125	19.4	10.1	15.1





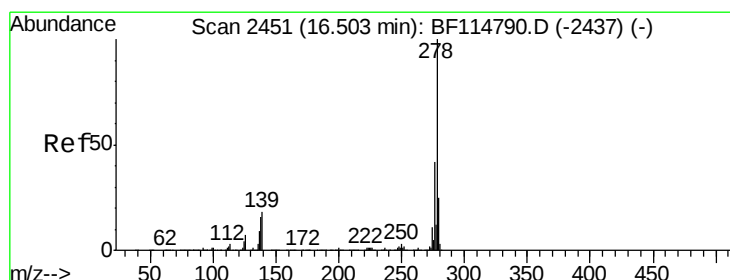
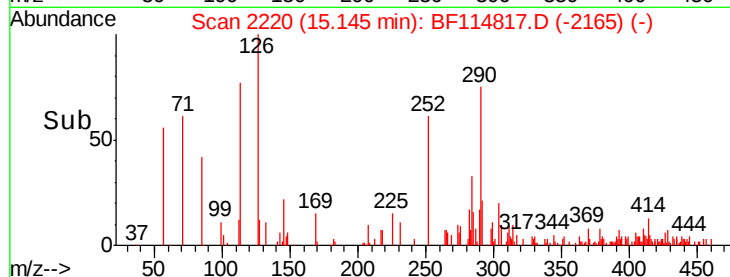
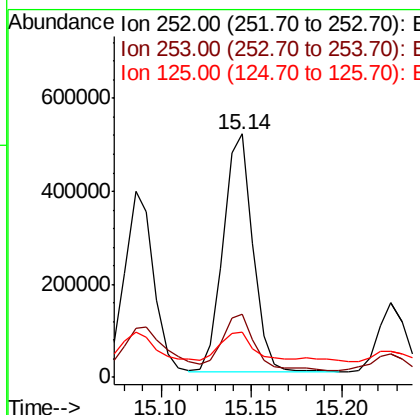
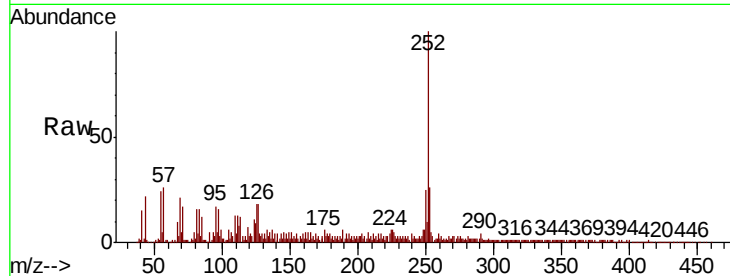
#90
Benzo(a)pyrene
Concen: 12.992 ng
RT: 15.14 min Scan# 2220
Delta R.T. 0.02 min
Lab File: BF114817.D
Acq: 5 Jun 2019 13:31

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.5	27.7
125	18.4	10.1	15.1

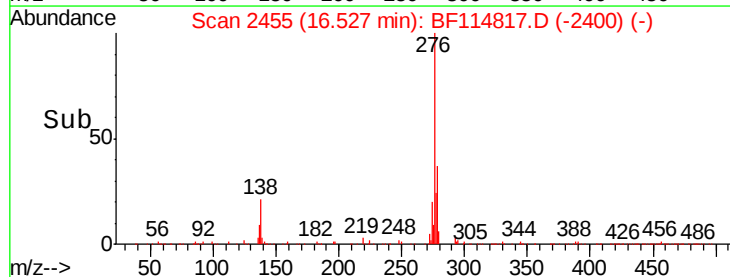
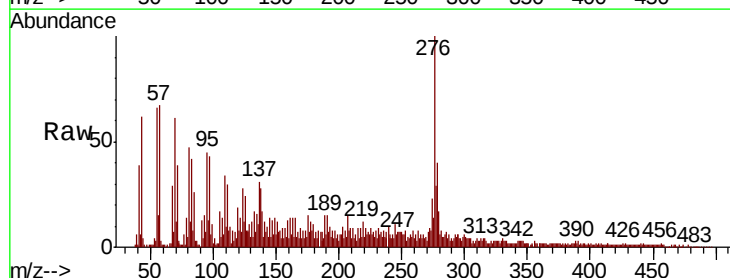
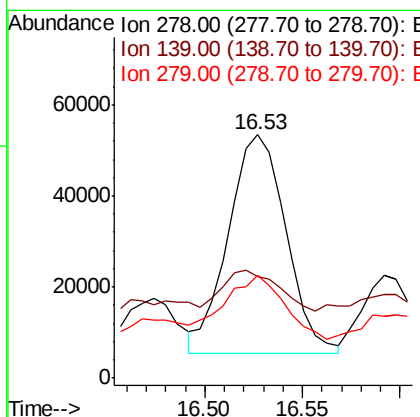
Manual Integrations
APPROVED

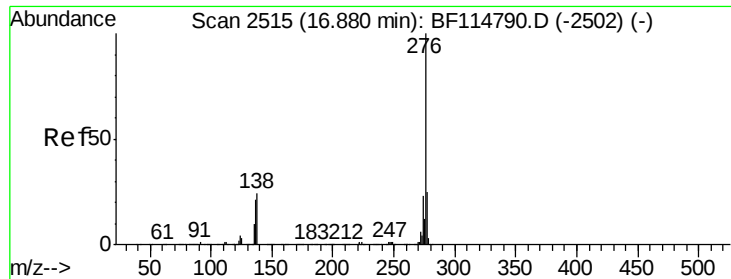
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.298 ng
RT: 16.53 min Scan# 2455
Delta R.T. 0.02 min
Lab File: BF114817.D
Acq: 5 Jun 2019 13:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	41.8	14.6	22.0
279	42.1	20.1	30.1





#92
 Benzo(a,h,i)perylene
 Concen: 7.303 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. 0.04 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-005-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	27.9	19.8	29.6		
138	27.6	19.4	29.2		

Manual Integrations
 APPROVED

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