

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
 Data File : BF114758.D
 Acq On : 1 Jun 2019 15:45
 Operator : HP/JU
 Sample : K3105-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 APPLE-TRACK

Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:51:24 AM

Quant Time: Jun 03 03:54:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	392255	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1465105	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	700122	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1254520	20.00	ng	0.00
76) Chrysene-d12	13.82	240	750307	20.00	ng	0.00
87) Perylene-d12	15.21	264	1002827	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	2049163	91.72	ng	0.01
7) Phenol-d6	6.33	99	2501478	92.91	ng	0.00
23) Nitrobenzene-d5	7.25	82	1513843	64.46	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	597082	89.50	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	2193786	52.80	ng	0.00
79) Terphenyl-d14	12.77	244	1734924	43.47	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.44	163	466643	9.565	ng	99
52) Acenaphthene	9.75	154	91232	2.259	ng	95
71) Phenanthrene	11.22	178	3003557	46.934	ng	98
72) Anthracene	11.27	178	808608	12.484	ng	97
75) Fluoranthene	12.41	202	4228819	63.817	ng	96
78) Pyrene	12.63	202	4241411	66.825	ng	96
81) Benzo(a)anthracene	13.81	228	2707432	46.956	ng	97
83) Chrysene	13.84	228	2374379	43.102	ng	98
86) Indeno(1,2,3-cd)pyrene	16.54	276	1427785	25.878	ng	95
88) Benzo(b)fluoranthene	14.83	252	3011274m	47.675	ng	
89) Benzo(k)fluoranthene	14.84	252	1013302m	18.458	ng	
90) Benzo(a)pyrene	15.16	252	2375472	42.811	ng	96
91) Dibenzo(a,h)anthracene	16.54	278	398106	8.119	ng	99
92) Benzo(a,h,i)perylene	16.93	276	1245703	26.177	ng	99

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

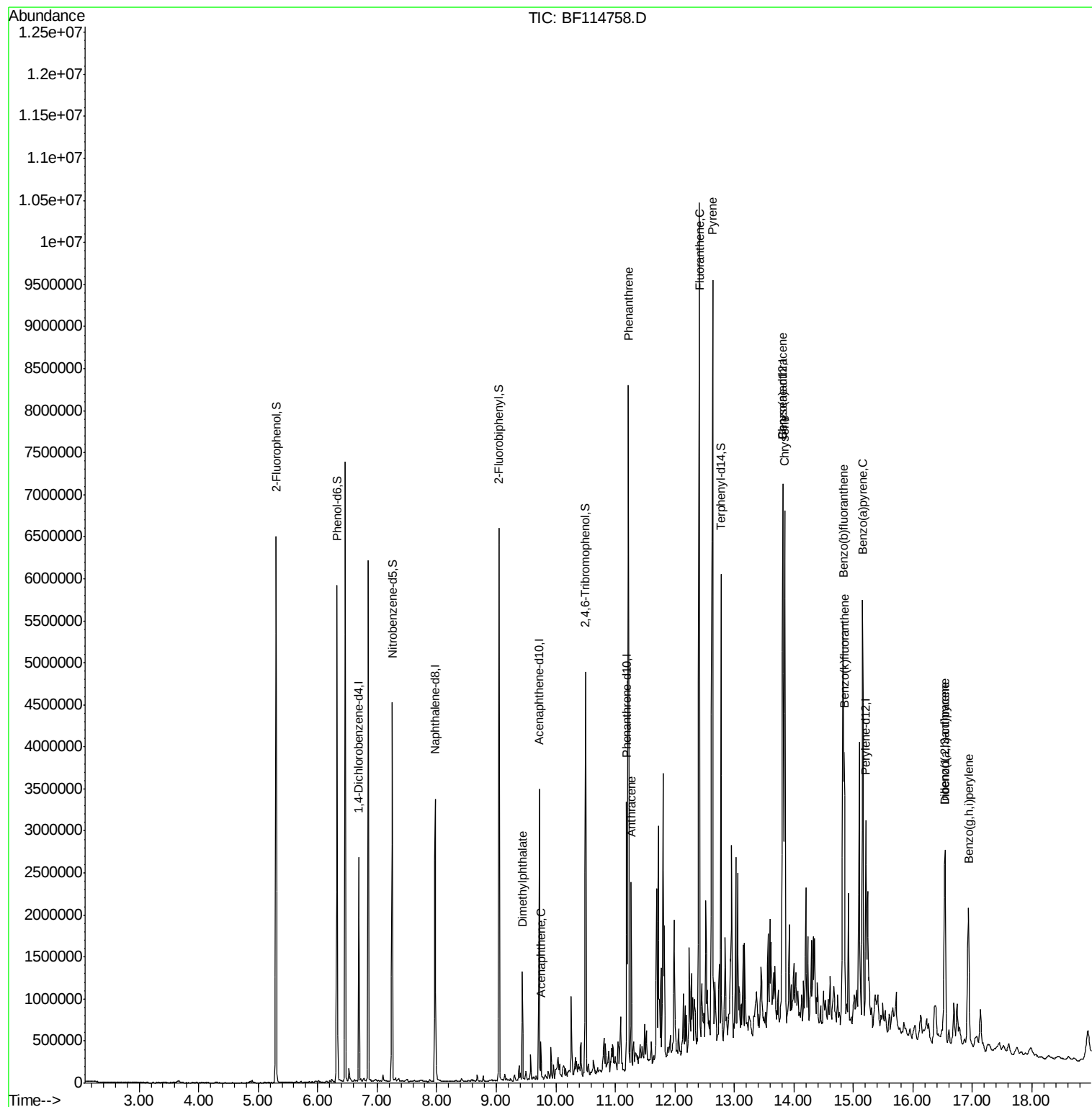
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114758.D
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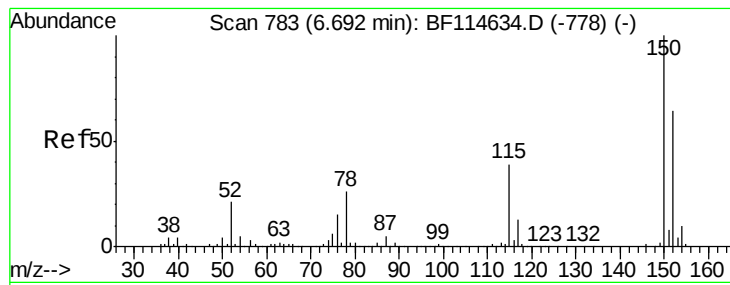
Instrument :
BNA_F
ClientSampleId :
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Quant Time: Jun 03 03:54:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
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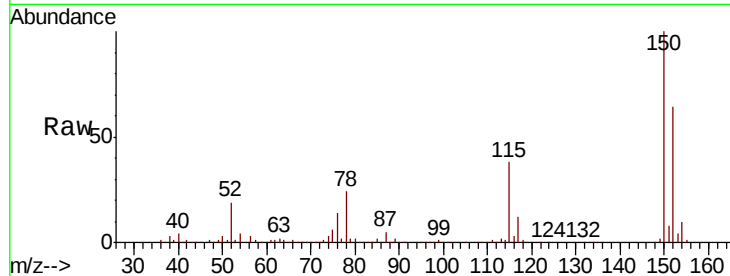
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: BF114758.D
 Acq: 1 Jun 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 APPLE-TRACK

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.4	186.6
115	60.2	48.7	73.1

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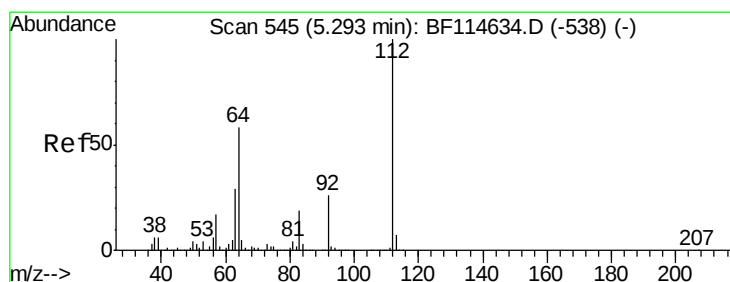
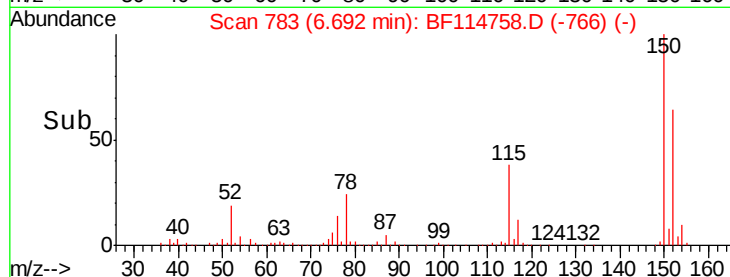
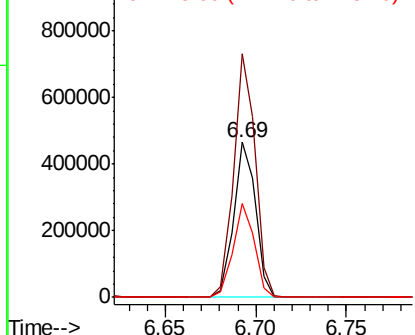


Abundance

Ion 152.00 (151.70 to 152.70): E

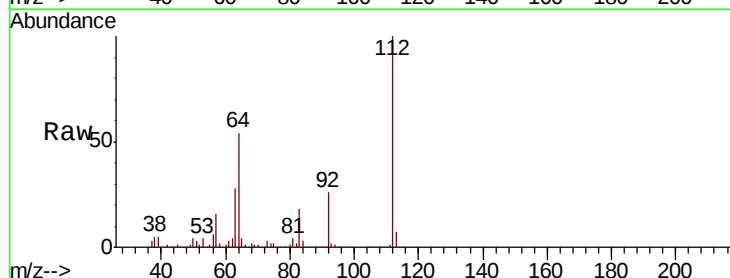
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 91.719 ng
 RT: 5.30 min Scan# 547
 Delta R.T. 0.01 min
 Lab File: BF114758.D
 Acq: 1 Jun 2019 15:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	46.1	69.1
63	28.1	23.4	35.2

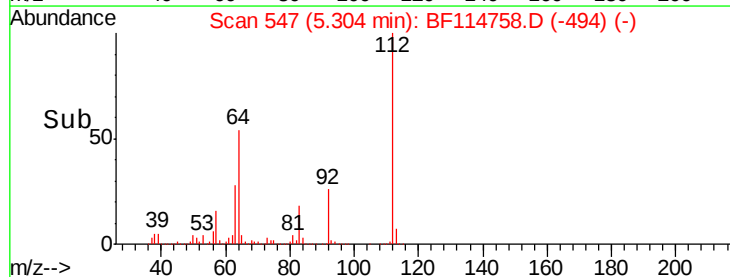
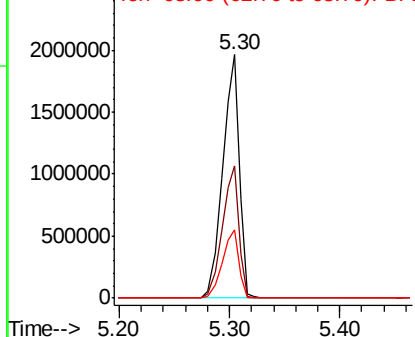


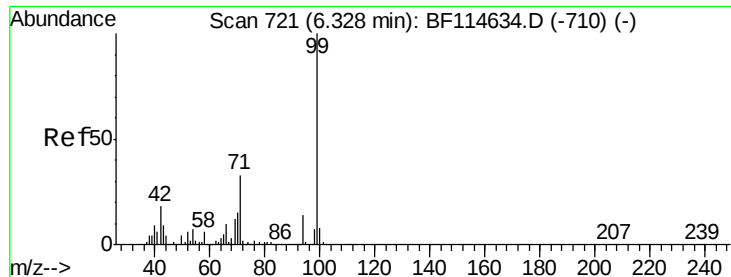
Abundance

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: 92.914 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF114758.D

Acq: 1 Jun 2019 15:45

Instrument :

BNA_F

ClientSampled :

APPLE-TRACK

Tot Ion: 99 Resp: 2501478

Ion Ratio Lower Upper

99 100

42 17.6 14.7 22.1

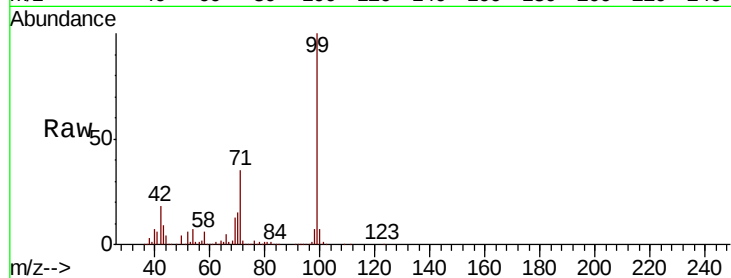
71 34.6 26.6 40.0

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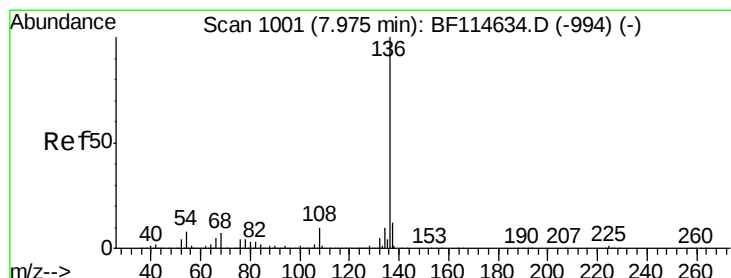
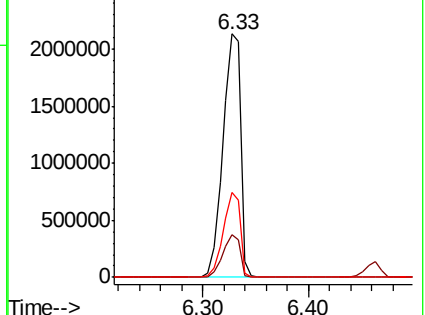
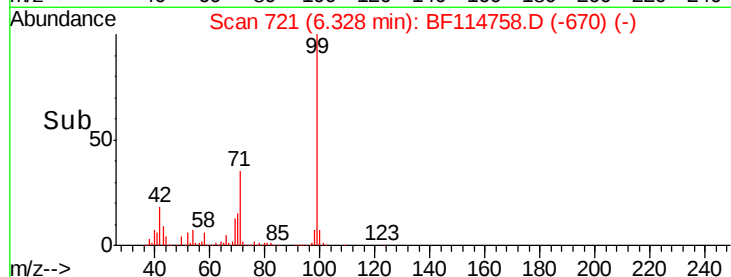
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 7.97 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BF114758.D

Acq: 1 Jun 2019 15:45

Tgt Ion: 136 Resp: 1465105

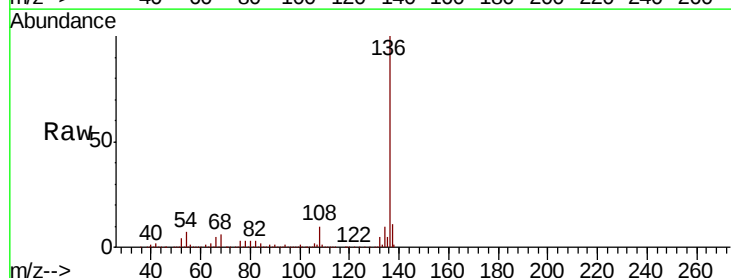
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 6.5 6.3 9.5

68 5.6 5.4 8.0

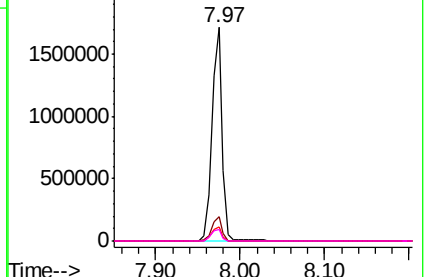
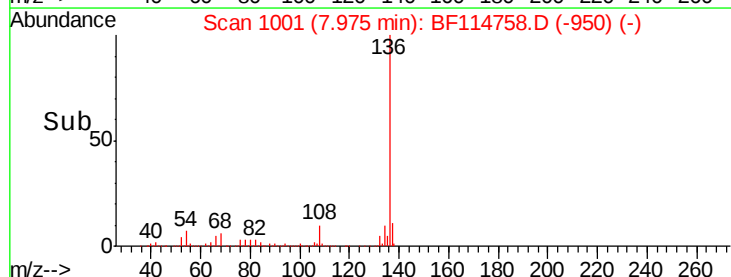


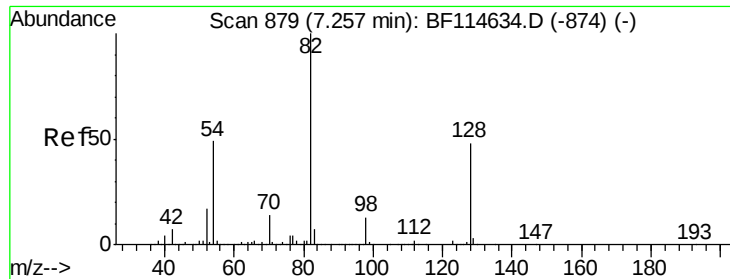
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





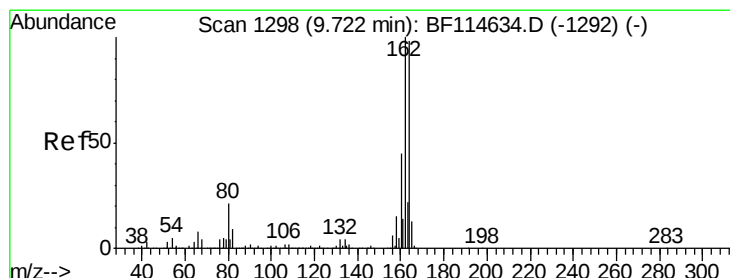
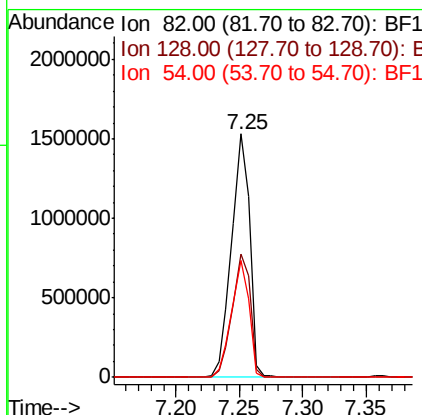
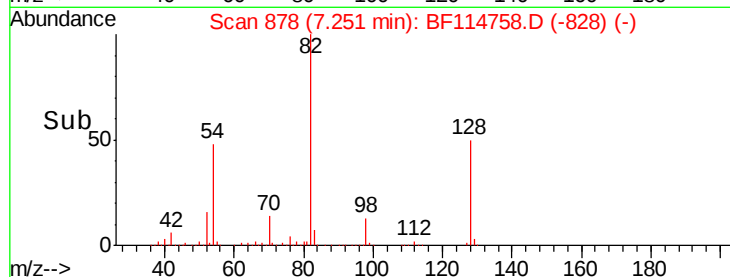
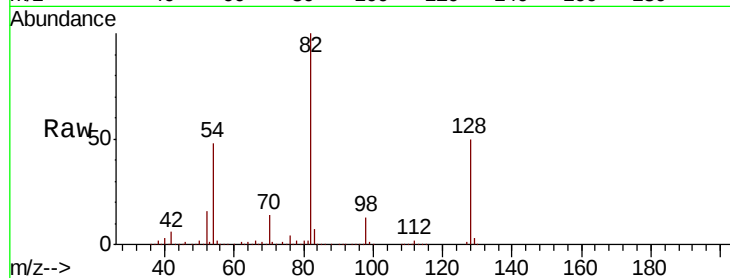
#23
Nitrobenzene-d5
Concen: 64.465 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF114758.D
Acq: 1 Jun 2019 15:45

Instrument :
BNA_F
ClientSampleId :
APPLE-TRACK

Tot Ion	82	Resp	1513843
Ion Ratio	100	Lower	Upper
82	100		
128	50.4	38.5	57.7
54	48.1	39.1	58.7

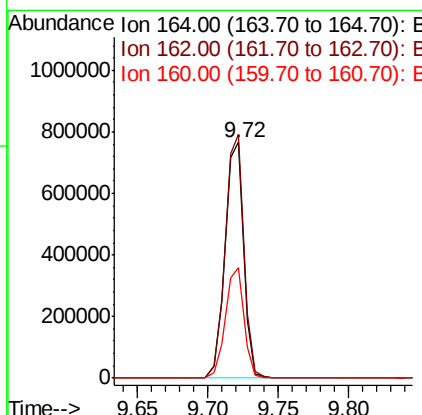
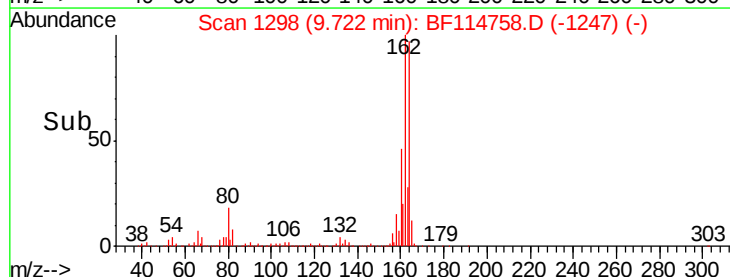
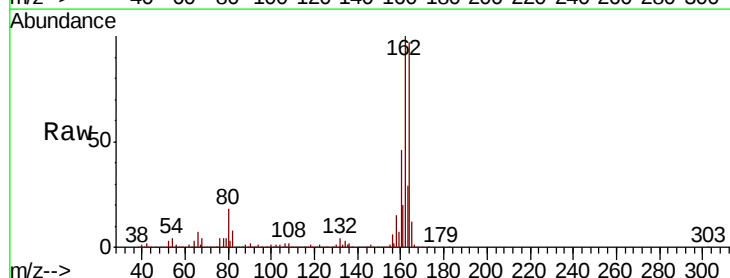
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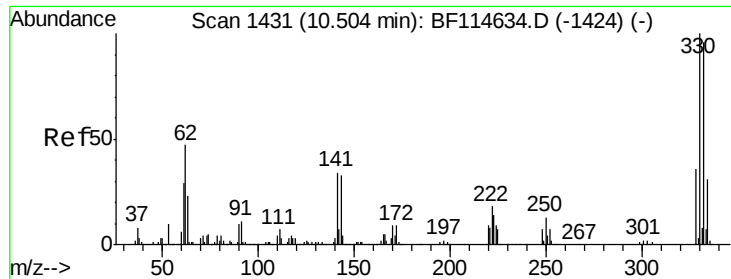
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF114758.D
Acq: 1 Jun 2019 15:45

Tgt Ion	164	Resp	700122
Ion Ratio	100	Lower	Upper
164	100		
162	103.3	81.4	122.2
160	47.1	36.6	54.8





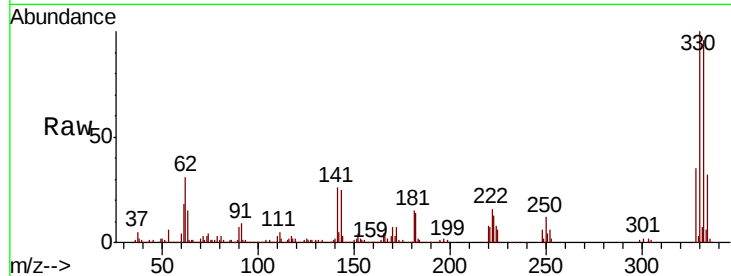
#42
 2,4,6-Tribromophenol
 Concen: 89.503 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: BF114758.D
 Acq: 1 Jun 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 APPLE-TRACK

Tot Ion	Ratio	Resp	Lower	Upper
330	100	597082		
332	96.0		75.8	113.8
141	33.3		27.8	41.8

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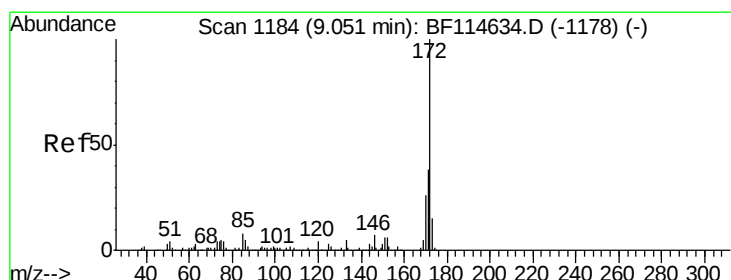
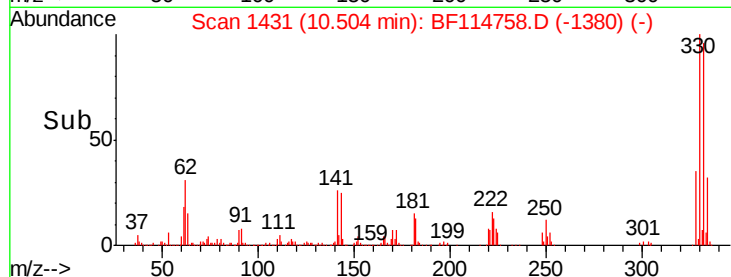
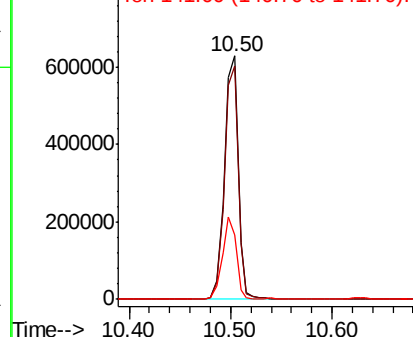


Abundance

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: 52.799 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF114758.D
 Acq: 1 Jun 2019 15:45

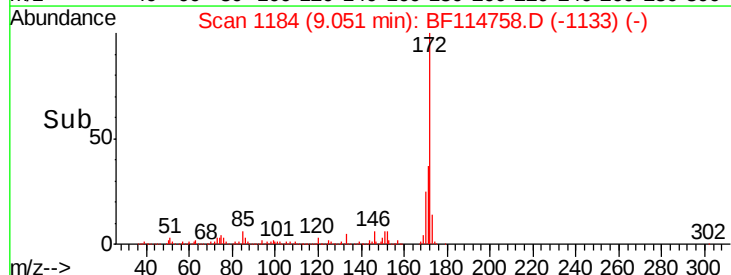
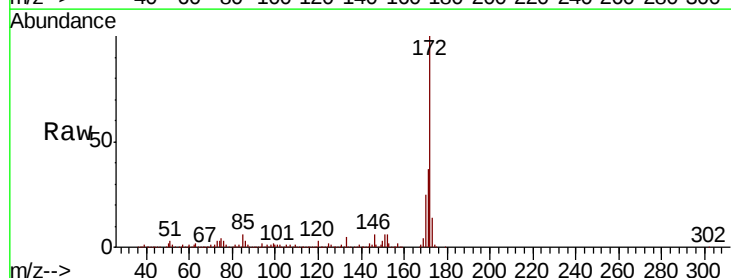
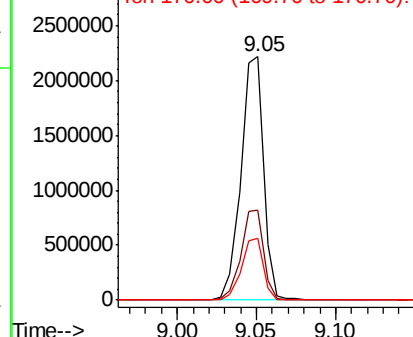
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2193786		
171	37.0		30.6	45.8
170	25.2		20.7	31.1

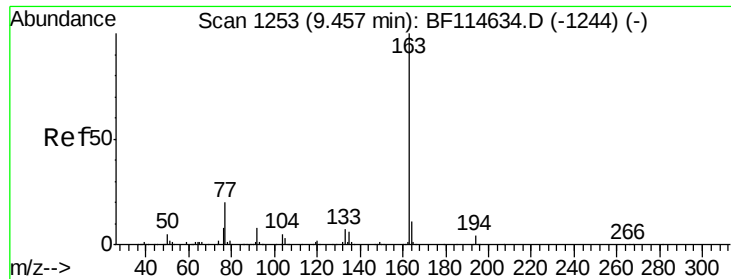
Abundance

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





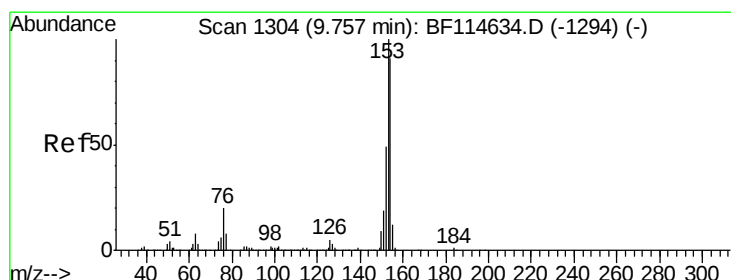
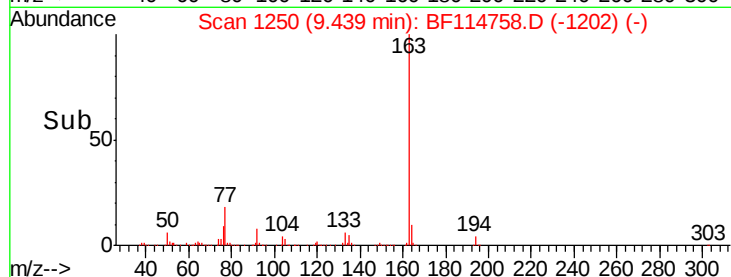
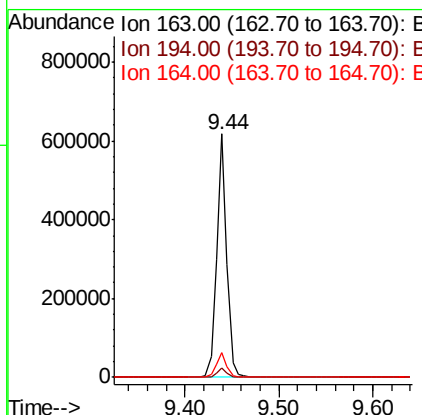
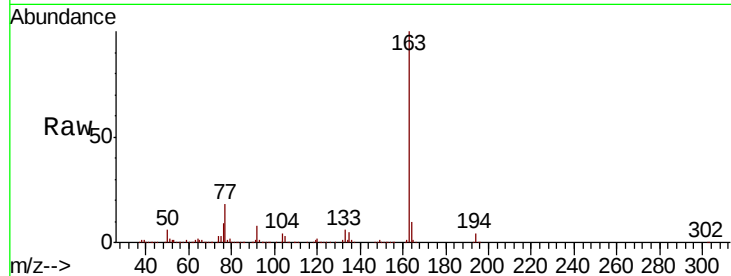
#50
Dimethylphthalate
Concen: 9.565 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BF114758.D
Acq: 1 Jun 2019 15:45

Instrument :
BNA_F
ClientSampleId :
APPLE-TRACK

Tot Ion	Ratio	Resp	Lower	Upper
163	100	466643		
194	3.7		3.4	5.0
164	10.3		8.6	13.0

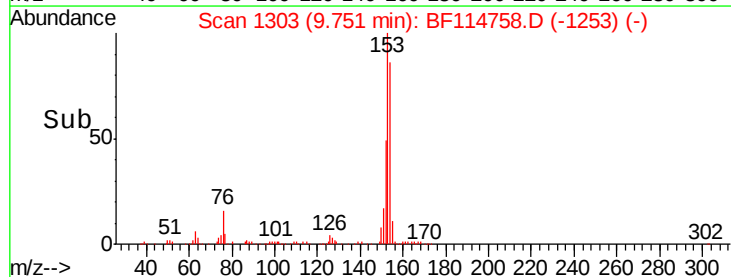
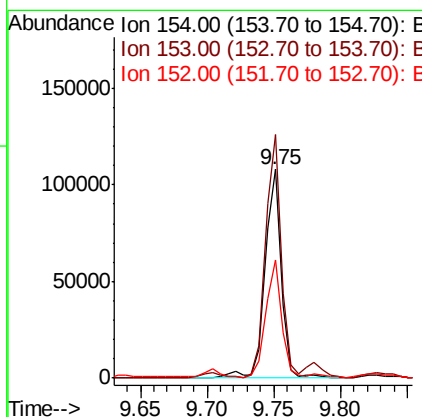
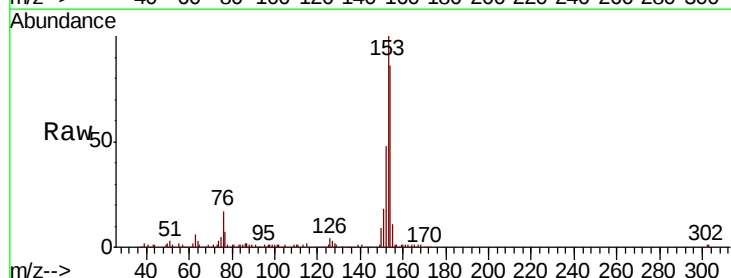
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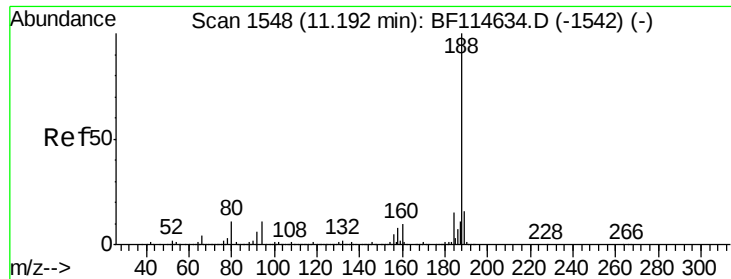
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#52
Acenaphthene
Concen: 2.259 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF114758.D
Acq: 1 Jun 2019 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	91232		
153	116.5		88.4	132.6
152	56.4		43.4	65.0





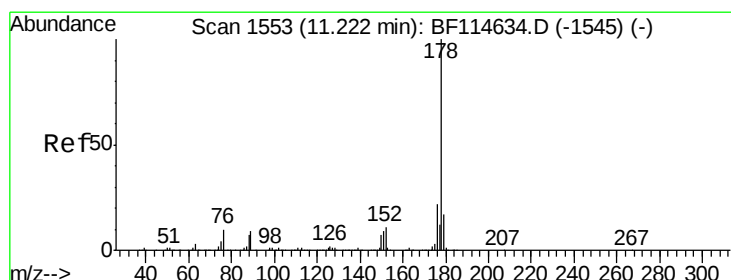
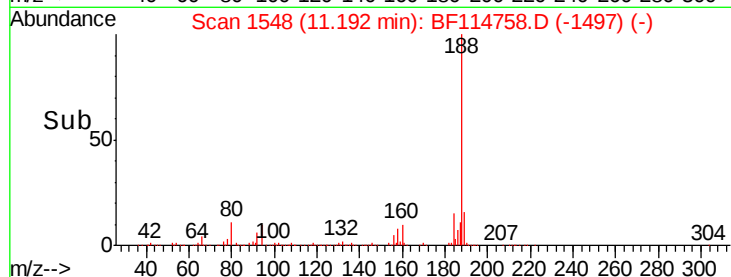
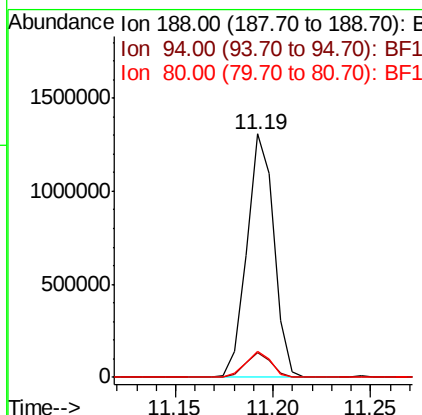
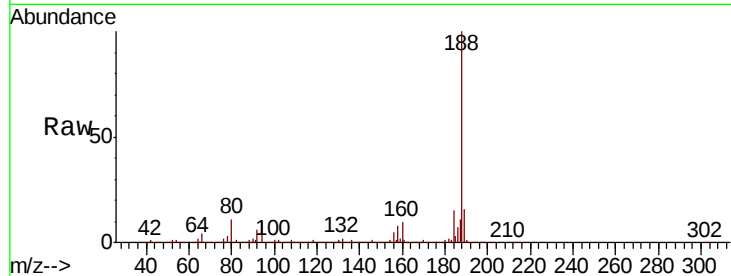
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BF114758.D
Acq: 1 Jun 2019 15:45

Instrument :
BNA_F
ClientSampleId :
APPLE-TRACK

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.6	13.0
80	10.6	9.0	13.6

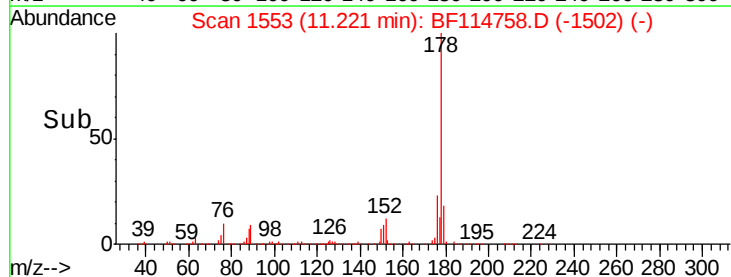
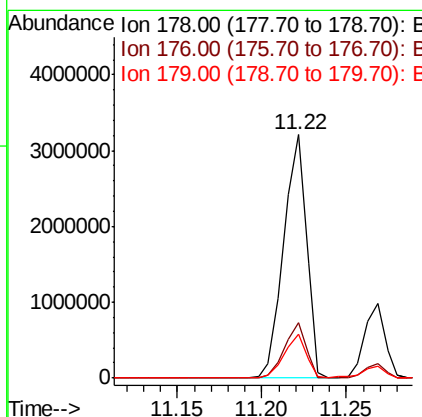
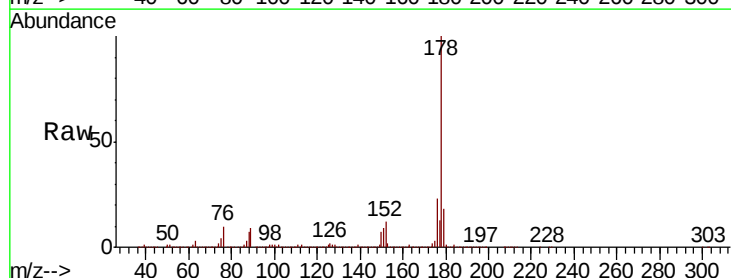
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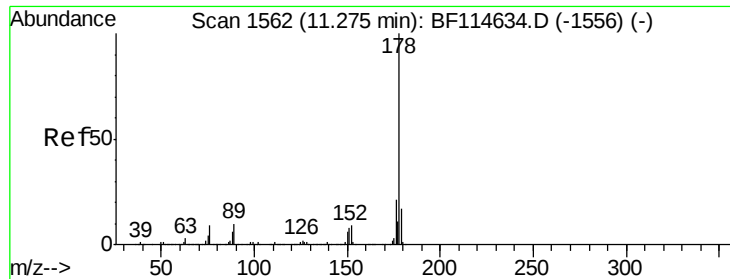
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#71
Phenanthrene
Concen: 46.934 ng
RT: 11.22 min Scan# 1553
Delta R.T. 0.00 min
Lab File: BF114758.D
Acq: 1 Jun 2019 15:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.6	17.2	25.8
179	17.9	13.9	20.9





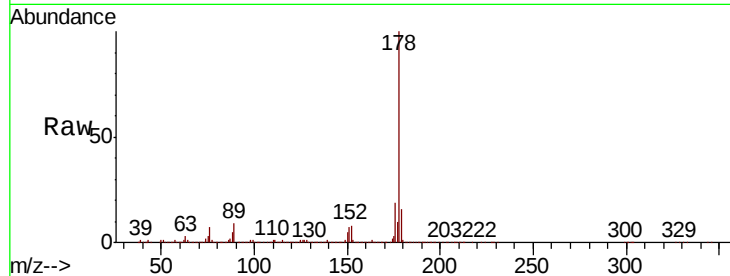
#72
 Anthracene
 Concen: 12.484 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF114758.D
 Acq: 1 Jun 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 APPLE-TRACK

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.6	24.8
179	16.0	13.4	20.0

Manual Integrations
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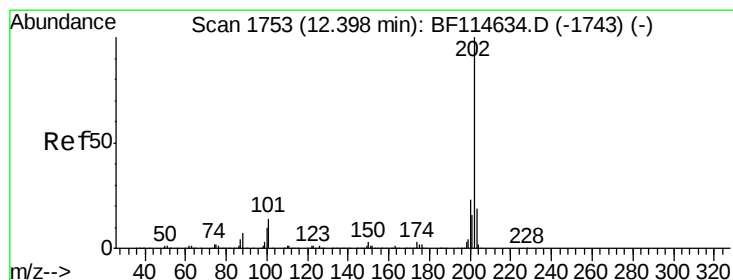
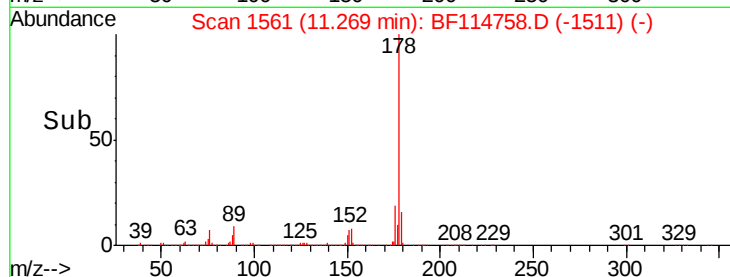
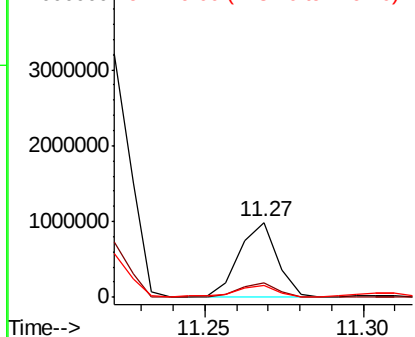


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
 Fluoranthene
 Concen: 63.817 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. 0.01 min
 Lab File: BF114758.D
 Acq: 1 Jun 2019 15:45

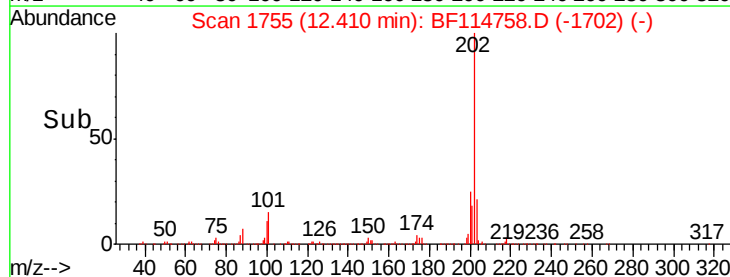
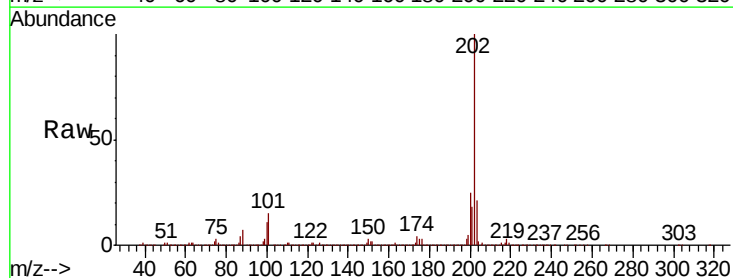
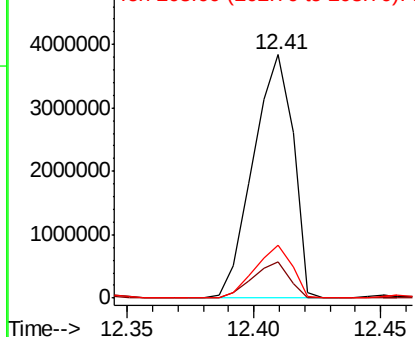
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.9	0.0	33.9
203	21.5	0.0	39.1

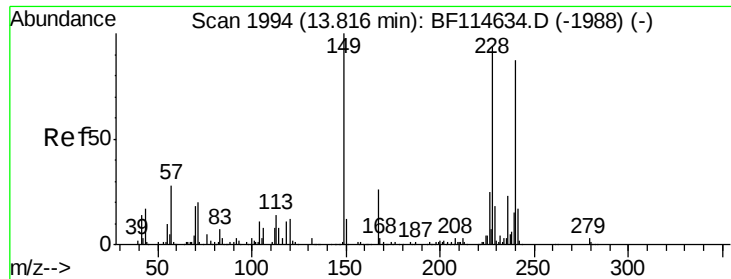
Abundance

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





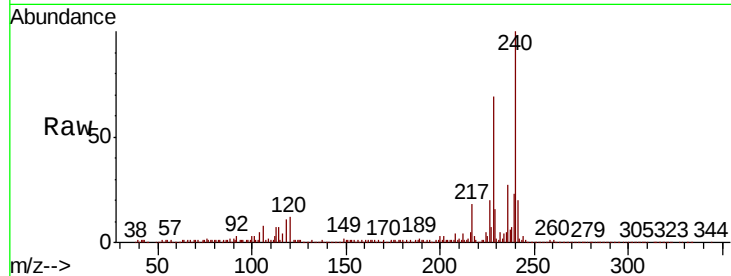
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1995
Delta R.T. 0.01 min
Lab File: BF114758.D
Acq: 1 Jun 2019 15:45

Instrument :
BNA_F
ClientSampleId :
APPLE-TRACK

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	11.2	16.8
236	26.9	21.2	31.8

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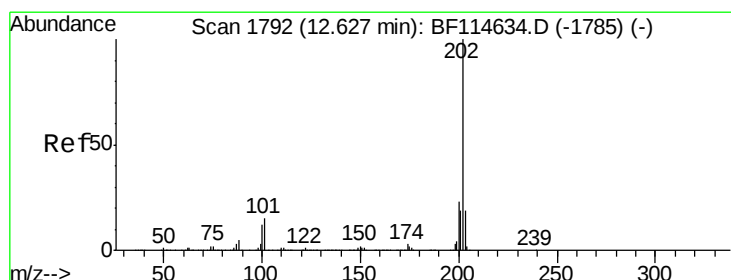
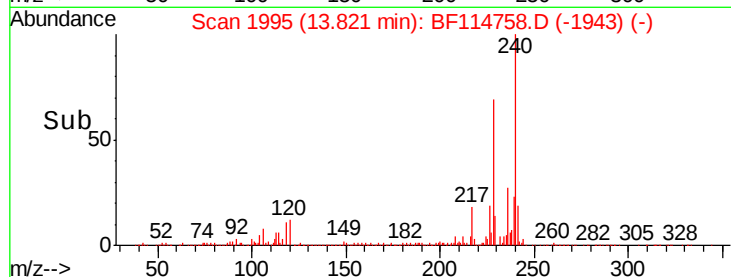
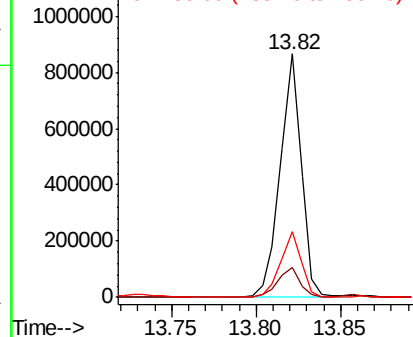


Abundance

Ion 240.00 (239.70 to 240.70): E

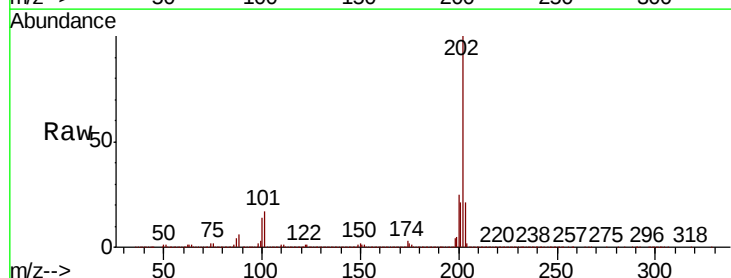
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 66.825 ng
RT: 12.63 min Scan# 1793
Delta R.T. 0.01 min
Lab File: BF114758.D
Acq: 1 Jun 2019 15:45

Tgt Ion	Ratio	Lower	Upper
202	100		
200	25.3	18.6	28.0
203	21.1	15.4	23.2

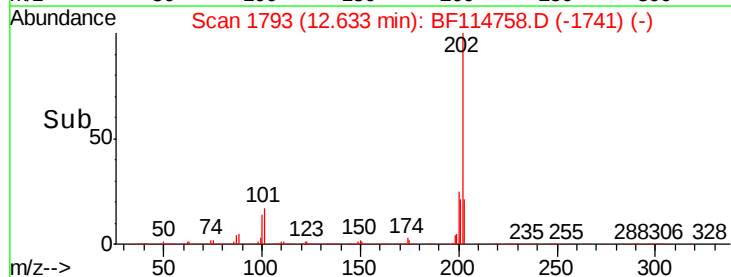
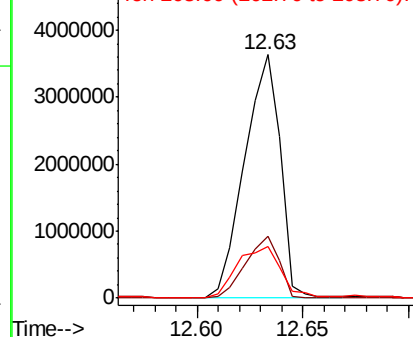


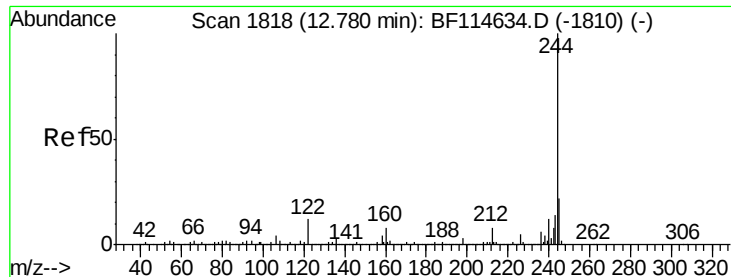
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





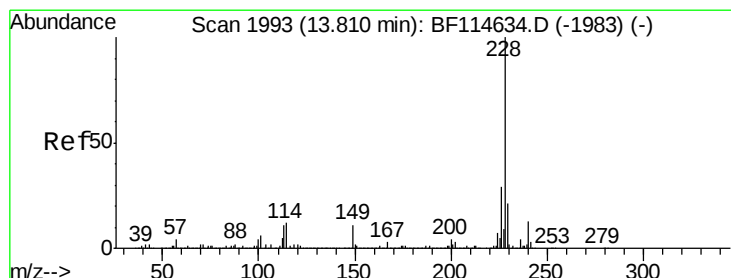
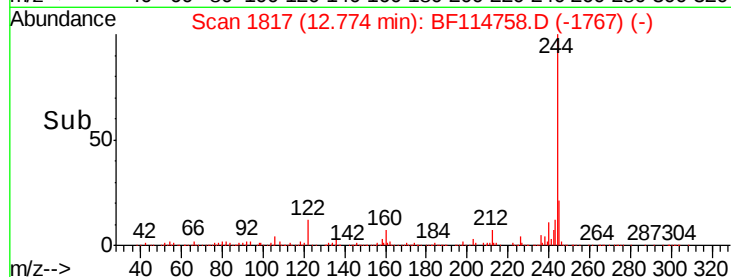
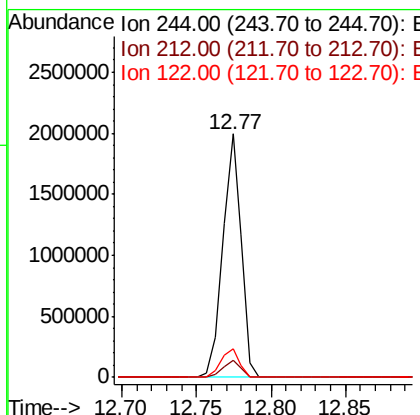
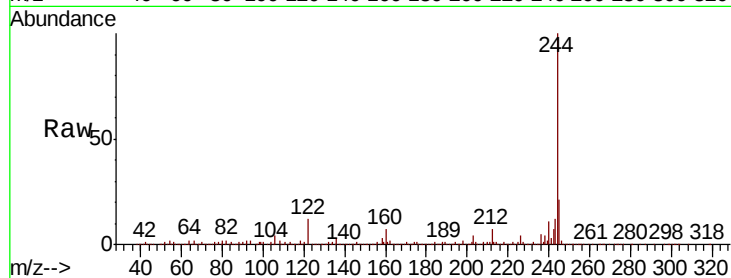
#79
 Terphenyl-d14
 Concen: 43.474 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: BF114758.D
 Acq: 1 Jun 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 APPLE-TRACK

Tot Ion:244 Resp: 1734924
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 12.0 9.8 14.8

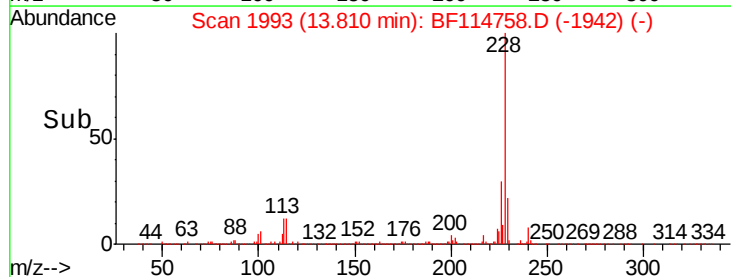
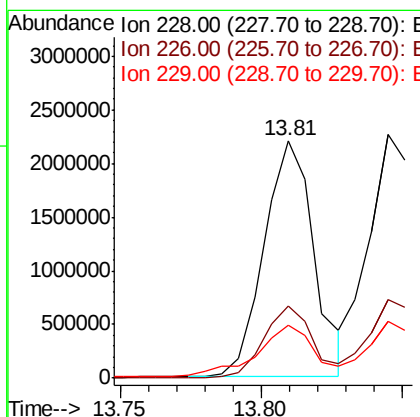
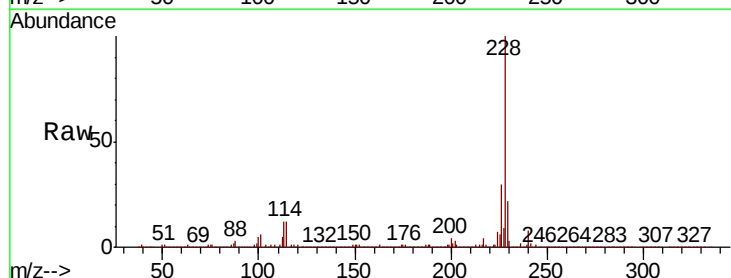
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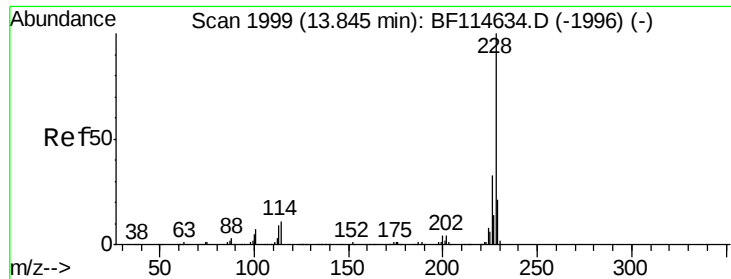
mohammad
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#81
 Benzo(a)anthracene
 Concen: 46.956 ng
 RT: 13.81 min Scan# 1993
 Delta R.T. -0.00 min
 Lab File: BF114758.D
 Acq: 1 Jun 2019 15:45

Tgt Ion:228 Resp: 2707432
 Ion Ratio Lower Upper
 228 100
 226 30.2 23.0 34.6
 229 22.3 17.0 25.4





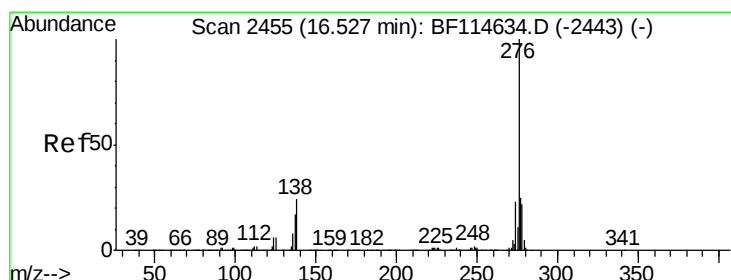
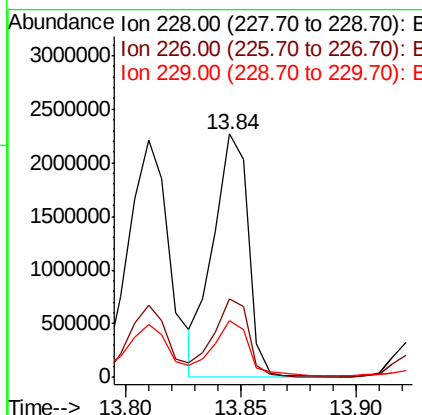
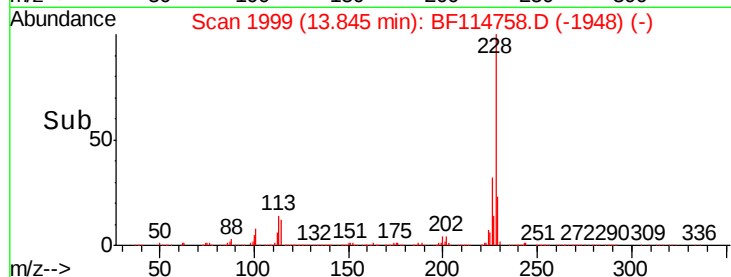
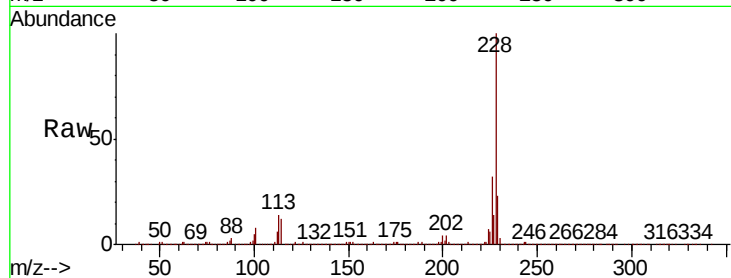
#83
Chrysene
Concen: 43.102 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BF114758.D
Acq: 1 Jun 2019 15:45

Instrument :
BNA_F
ClientSampleId :
APPLE-TRACK

Tot Ion:228 Resp: 2374379
Ion Ratio Lower Upper
228 100
226 32.0 26.4 39.6
229 23.1 17.1 25.7

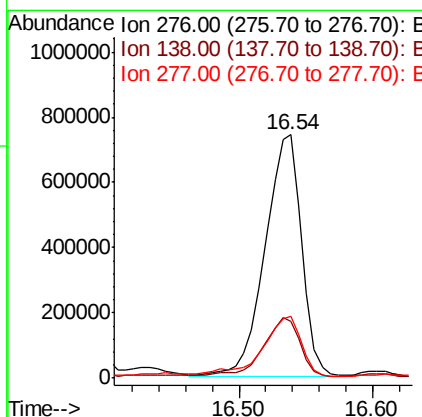
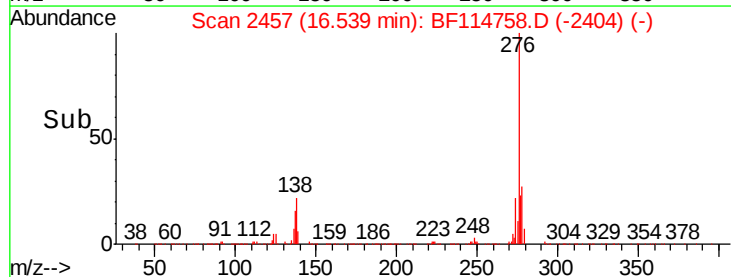
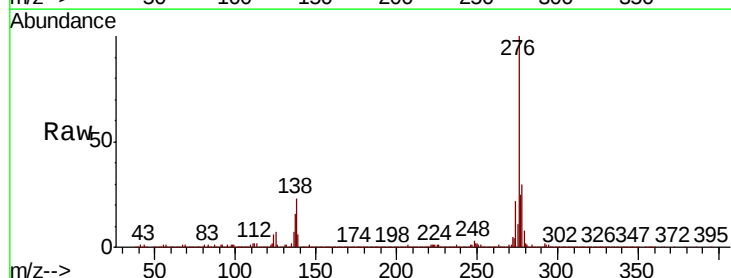
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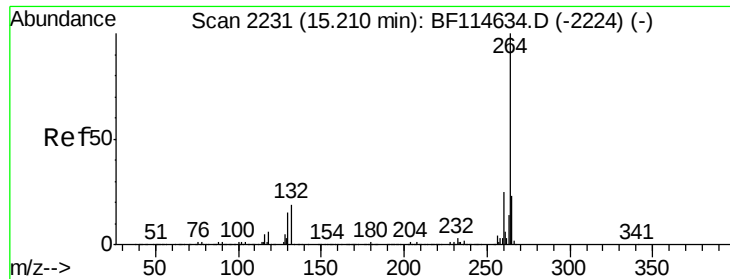
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#86
Indeno(1,2,3-cd)pyrene
Concen: 25.878 ng
RT: 16.54 min Scan# 2457
Delta R.T. 0.01 min
Lab File: BF114758.D
Acq: 1 Jun 2019 15:45

Tgt Ion:276 Resp: 1427785
Ion Ratio Lower Upper
276 100
138 25.4 23.0 34.6
277 27.5 20.5 30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.00 min

Lab File: BF114758.D

Acq: 1 Jun 2019 15:45

Instrument :

BNA_F

ClientSampleId :

APPLE-TRACK

Tot Ion:264 Resp: 1002827

Ion Ratio Lower Upper

264 100

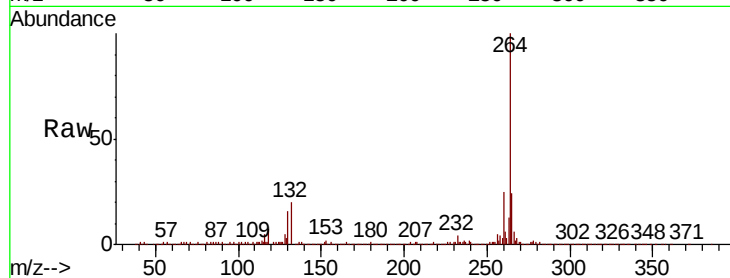
260 24.6 19.7 29.5

265 24.4 18.1 27.1

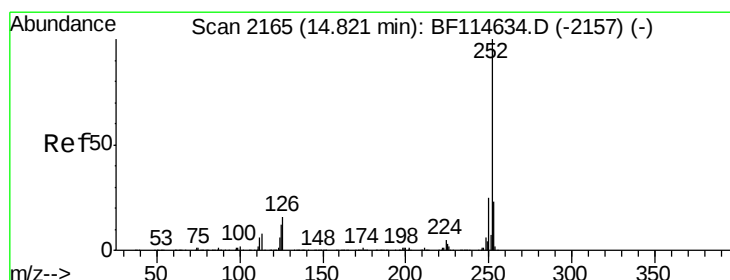
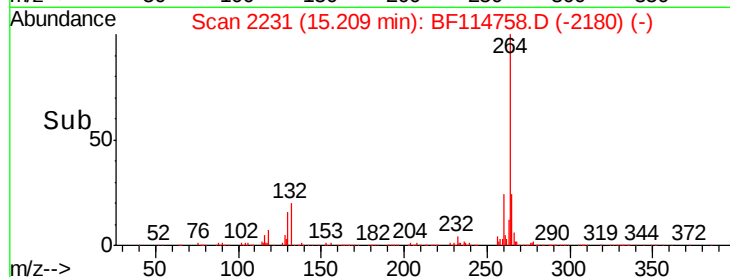
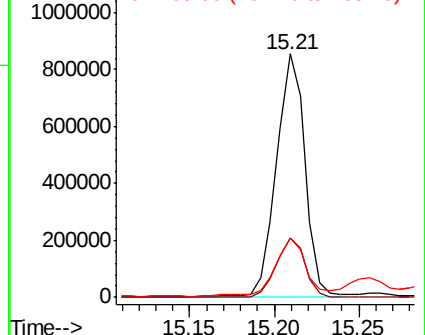
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 47.675 ng m

RT: 14.83 min Scan# 2166

Delta R.T. 0.01 min

Lab File: BF114758.D

Acq: 1 Jun 2019 15:45

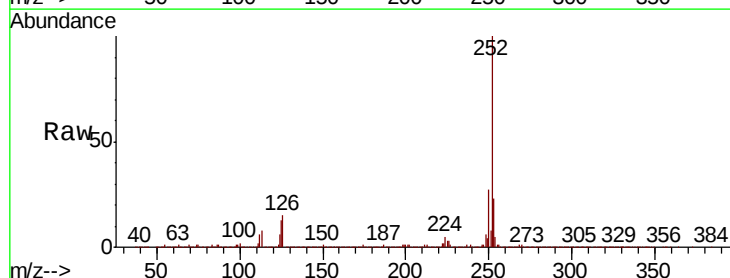
Tgt Ion:252 Resp: 3011274

Ion Ratio Lower Upper

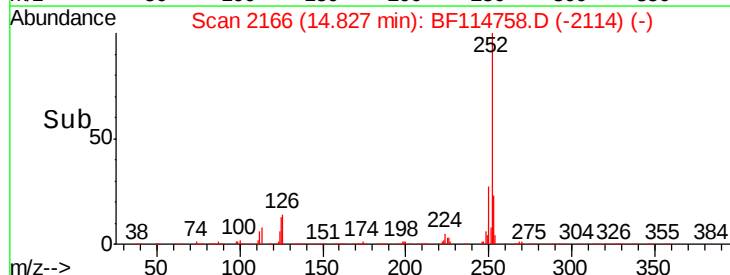
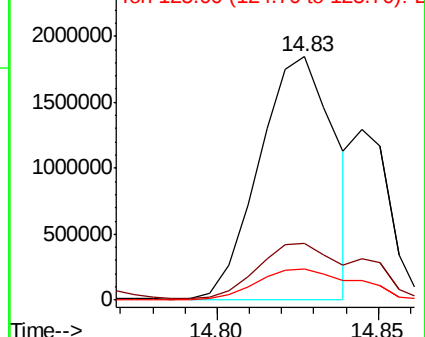
252 100

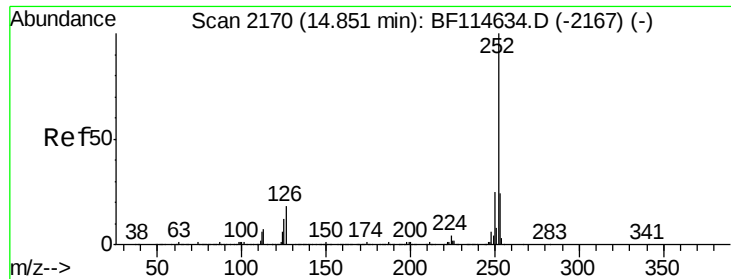
253 23.5 18.7 28.1

125 12.9 9.4 14.2



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





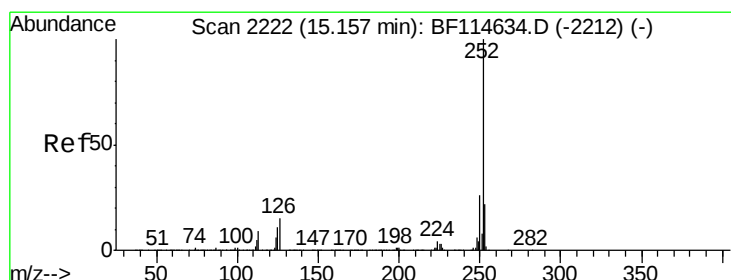
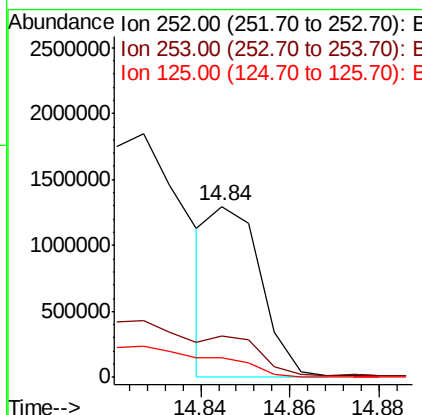
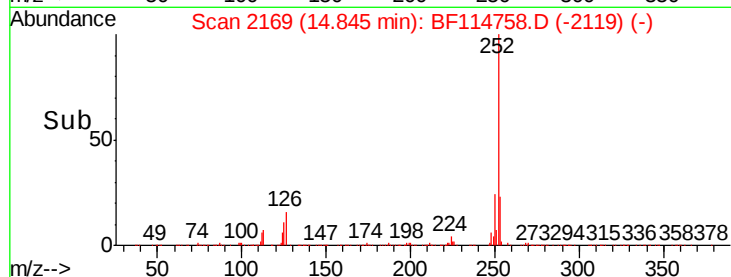
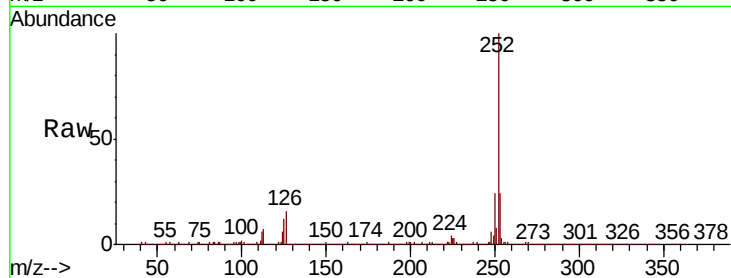
#89
Benzo(k)fluoranthene
Concen: 18.458 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF114758.D
Acq: 1 Jun 2019 15:45

Instrument :
BNA_F
ClientSampleId :
APPLE-TRACK

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.9	28.3
125	11.7	9.5	14.3

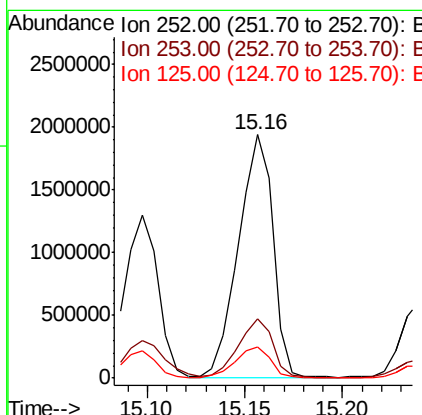
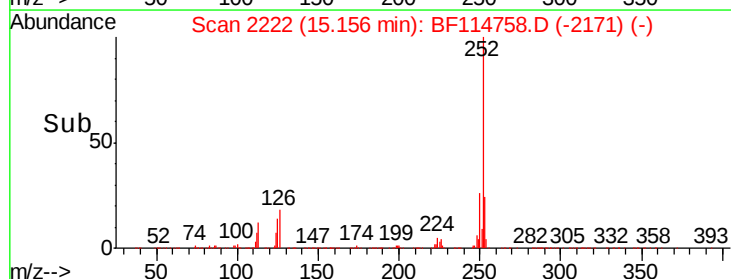
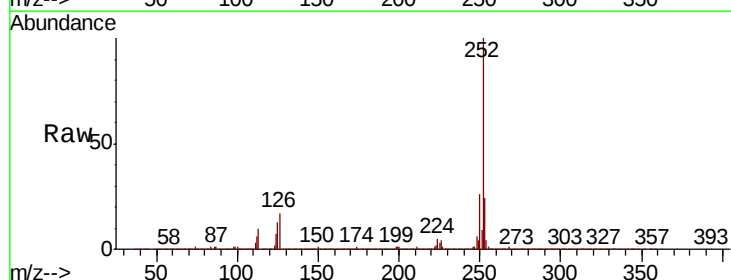
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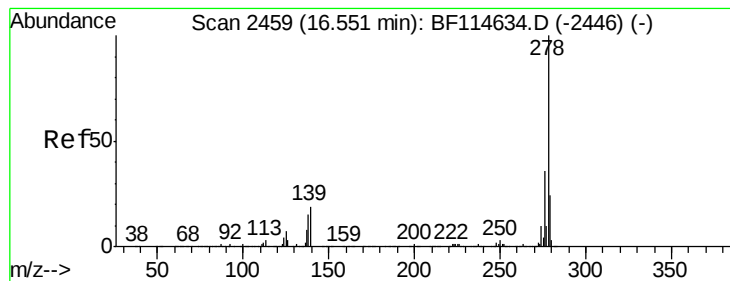
mohammad
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#90
Benzo(a)pyrene
Concen: 42.811 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.00 min
Lab File: BF114758.D
Acq: 1 Jun 2019 15:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	13.0	9.2	13.8





#91

Dibenzo(a,h)anthracene

Concen: 8.119 ng

RT: 16.54 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BF114758.D

Acq: 1 Jun 2019 15:45

Instrument :

BNA_F

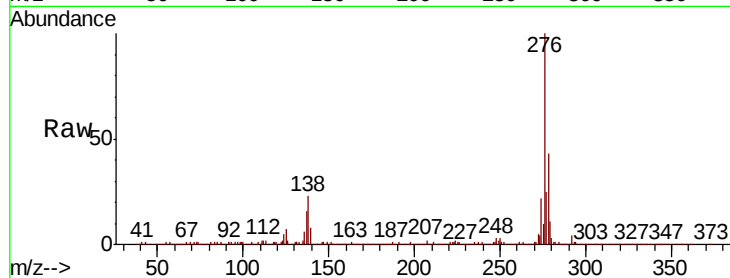
ClientSampleId :

APPLE-TRACK

Tot Ion:	278	Resp:	398106
Ion Ratio	Lower	Upper	
278	100		
139	18.5	14.9	22.3
279	25.0	19.5	29.3

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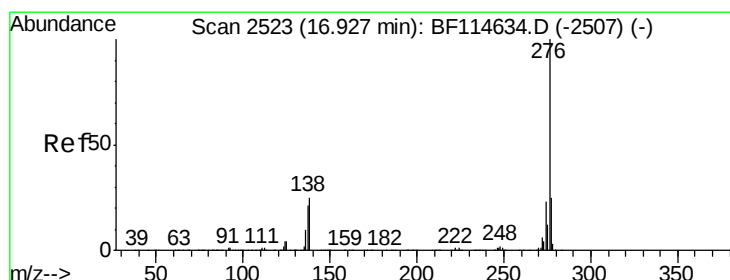
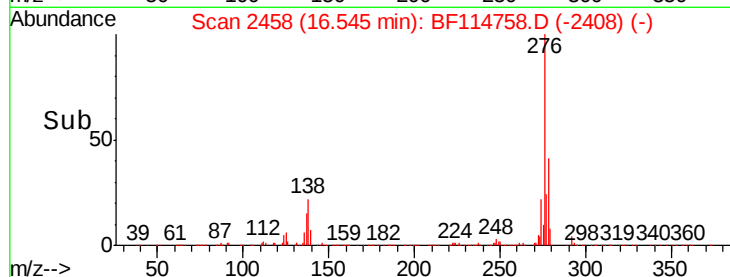
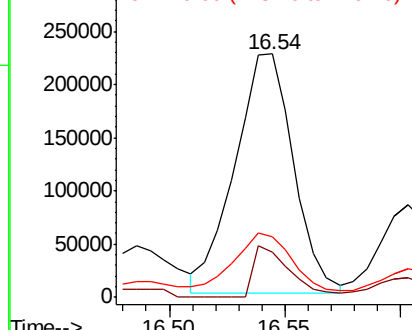


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 26.177 ng

RT: 16.93 min Scan# 2524

Delta R.T. 0.01 min

Lab File: BF114758.D

Acq: 1 Jun 2019 15:45

Tgt Ion:	276	Resp:	1245703
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.7	29.5
138	24.6	19.8	29.8

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

