

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
 Data File : BF114353.D
 Acq On : 17 May 2019 16:47
 Operator : JU/SJ
 Sample : K2865-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-21-S

Manual Integrations
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Quant Time: May 18 05:28:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	217797	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	824436	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	396065	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	759745	20.00	ng	0.00
76) Chrysene-d12	14.02	240	476140	20.00	ng	0.00
87) Perylene-d12	15.49	264	513384	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1143110	84.46	ng	0.00
7) Phenol-d6	6.49	99	1545862	96.57	ng	0.00
23) Nitrobenzene-d5	7.41	82	930134	63.32	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	329409	80.45	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1600129	61.11	ng	0.00
79) Terphenyl-d14	12.95	244	1437147	62.22	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.15	128	82167	2.134	ng	97
37) 2-Methylnaphthalene	8.84	142	104572	4.209	ng	95
38) 1-Methylnaphthalene	8.94	142	55580m	2.375	ng	
50) Dimethylphthalate	9.59	163	289311	9.951	ng	99
71) Phenanthrene	11.39	178	986806	26.697	ng	98
72) Anthracene	11.45	178	274733	7.400	ng	97
73) Carbazole	11.60	167	157369	4.445	ng	97
75) Fluoranthene	12.59	202	1954579	49.105	ng	98
78) Pyrene	12.82	202	1814481	47.372	ng	99
81) Benzo(a)anthracene	14.01	228	1260128	40.918	ng	99
83) Chrysene	14.04	228	1209961	40.079	ng	98
84) Bis(2-ethylhexyl)phthalate	13.98	149	56590m	2.684	ng	
86) Indeno(1,2,3-cd)pyrene	16.98	276	400416	15.008	ng	96
88) Benzo(b)fluoranthene	15.07	252	1361076m	41.382	ng	
89) Benzo(k)fluoranthene	15.09	252	537906m	17.804	ng	
90) Benzo(a)pyrene	15.43	252	986451	34.079	ng	98
91) Dibenzo(a,h)anthracene	16.97	278	117644	4.891	ng	# 86
92) Benzo(g,h,i)perylene	17.43	276	353218	14.654	ng	96

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

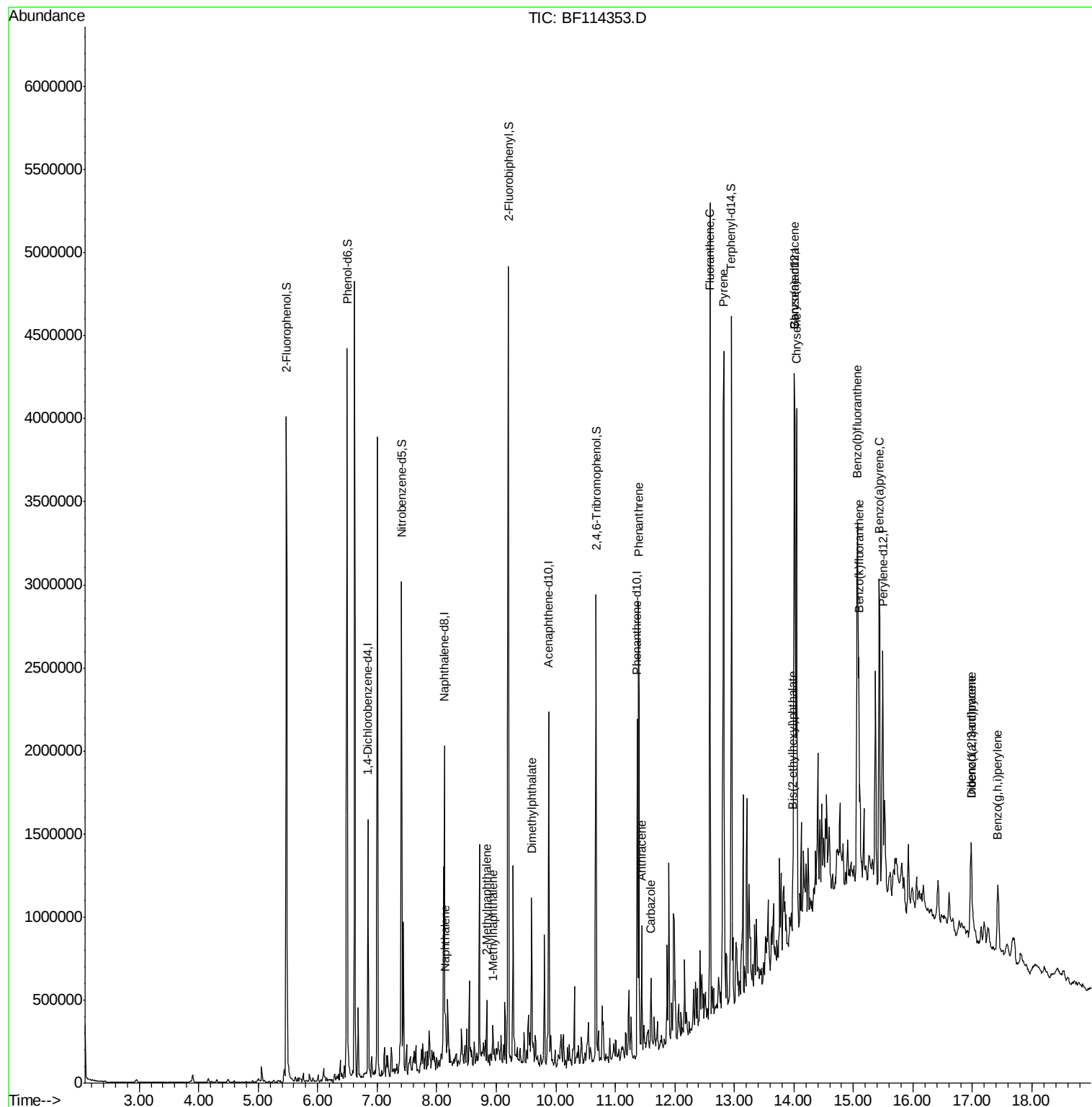
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
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ALS Vial : 15 Sample Multiplier: 1

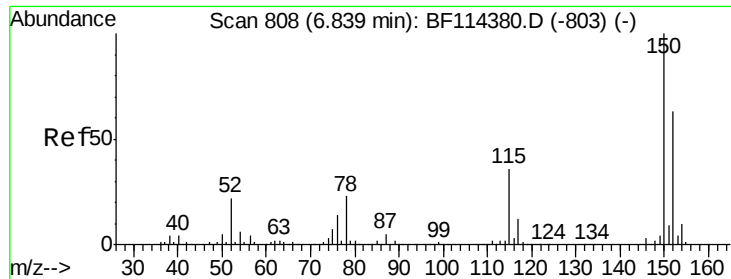
Instrument :
BNA_F
ClientSampled :
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#1

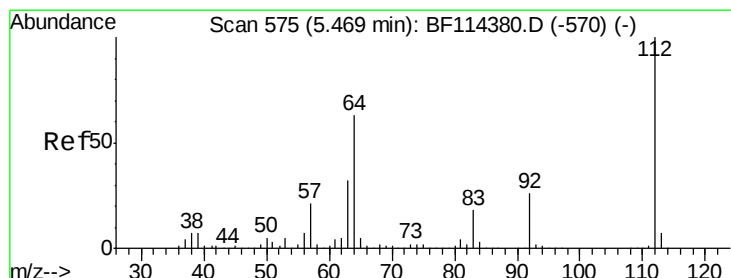
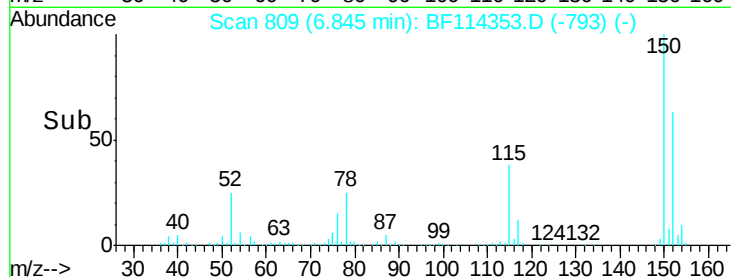
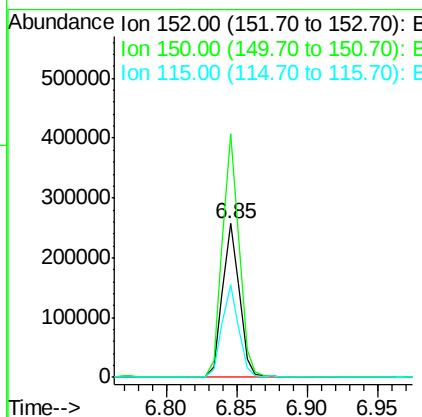
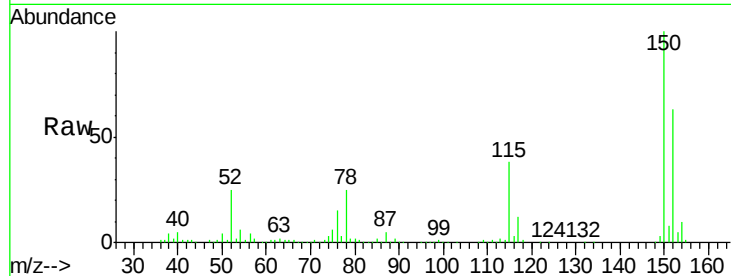
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114353.D
Acq: 17 May 2019 16:47

Instrument :
BNA_F
ClientSampled :
TP-21-S

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.3	186.5
115	60.3	49.1	73.7

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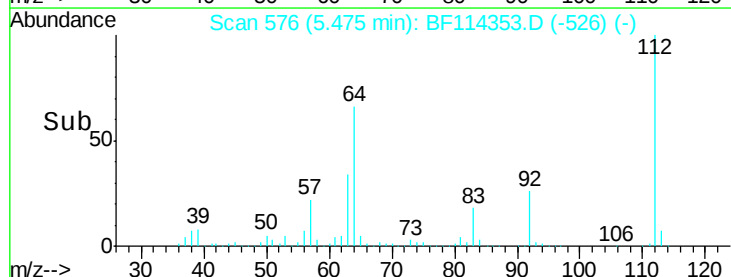
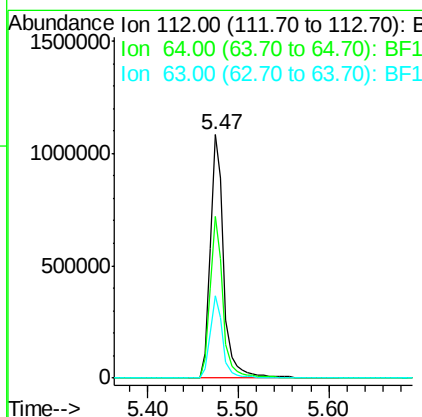
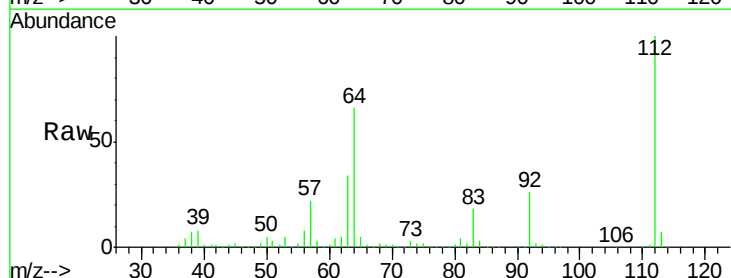
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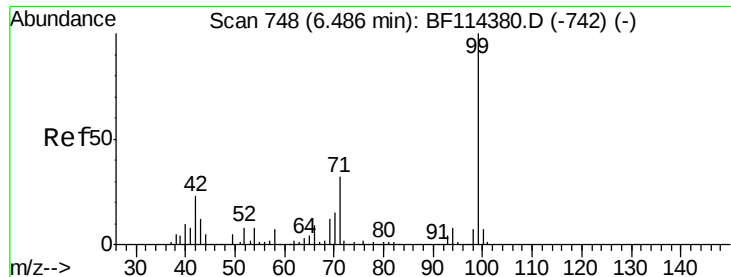


#5

2-Fluorophenol
Concen: 84.462 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114353.D
Acq: 17 May 2019 16:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	49.0	73.6
63	33.8	24.6	37.0





#7

Phenol-d6

Concen: 96.574 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114353.D

Acq: 17 May 2019 16:47

Instrument :

BNA_F

ClientSampleId :

TP-21-S

Tgt Ion: 99 Resp: 1545862

Ion Ratio Lower Upper

99 100

42 22.0 17.9 26.9

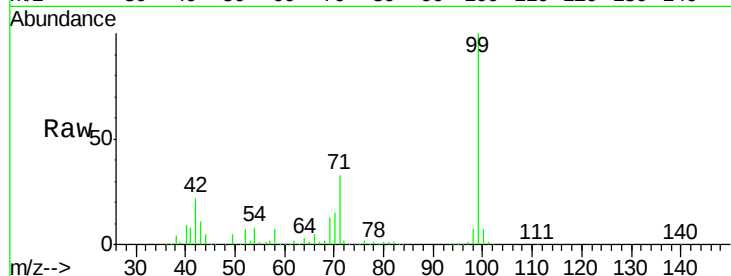
71 32.7 26.2 39.2

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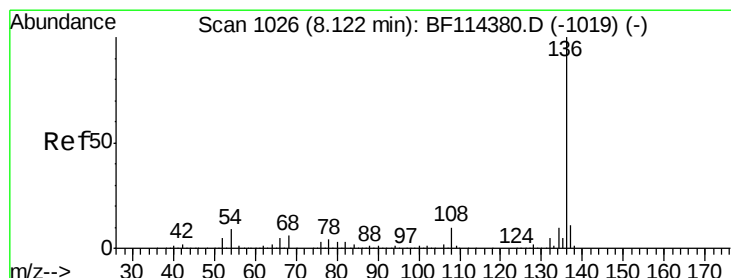
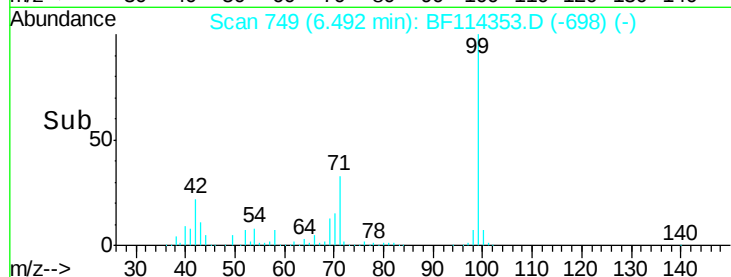
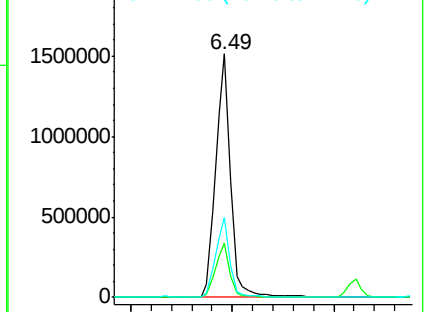
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114353.D

Acq: 17 May 2019 16:47

Tgt Ion: 136 Resp: 824436

Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 9.8 7.8 11.8

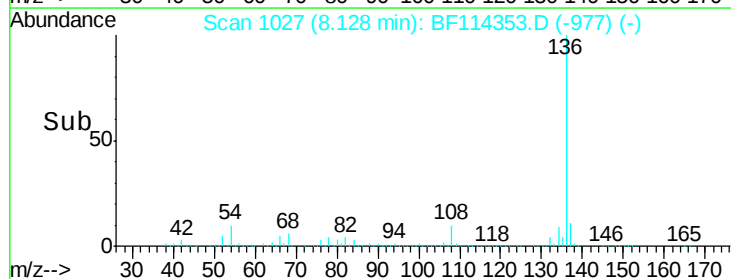
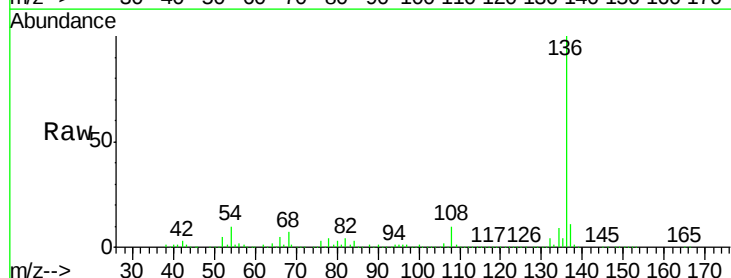
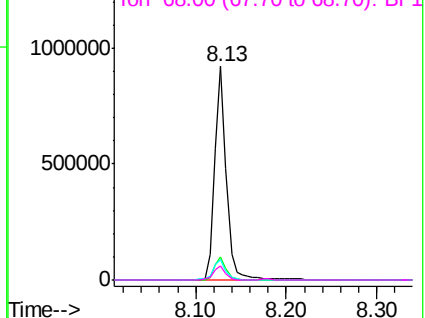
68 6.6 5.1 7.7

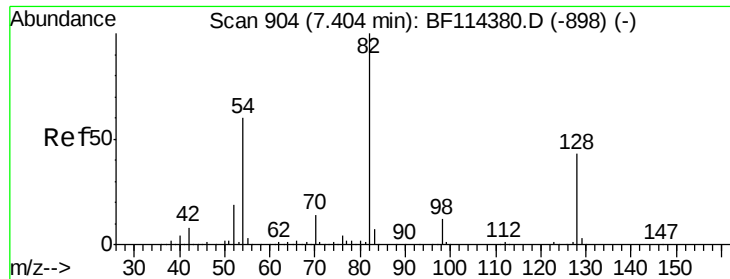
Abundance Ion 136.00 (135.70 to 136.70): E

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





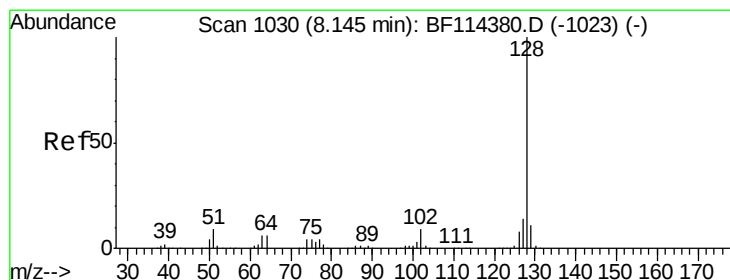
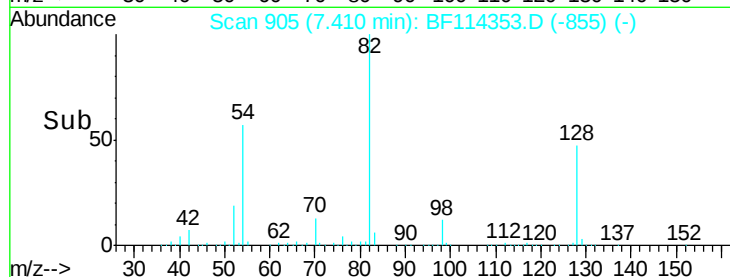
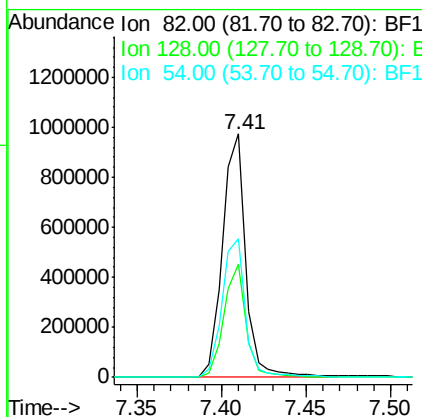
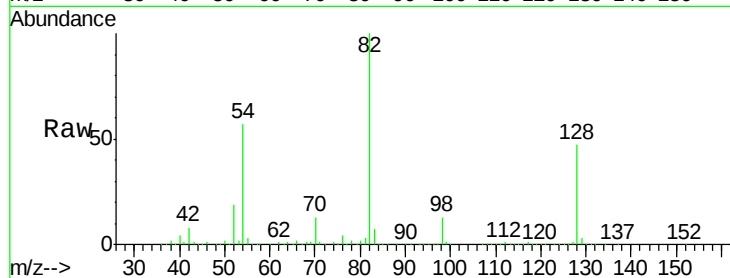
#23
Nitrobenzene-d5
Concen: 63.315 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114353.D
Acq: 17 May 2019 16:47

Instrument :
BNA_F
ClientSampled :
TP-21-S

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.6	35.5	53.3
54	56.8	48.5	72.7

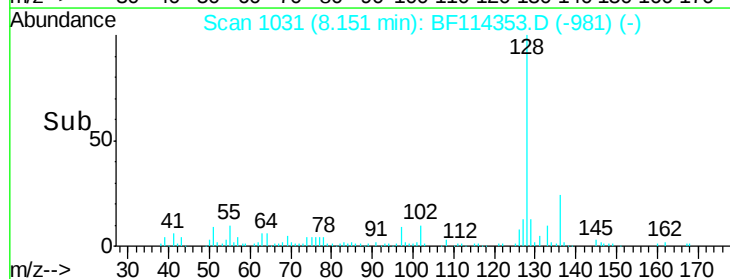
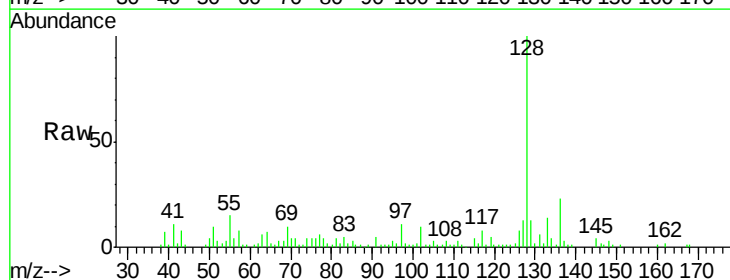
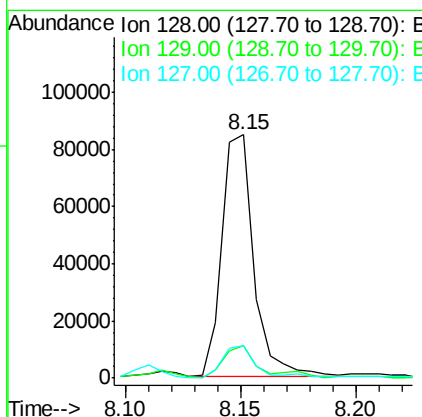
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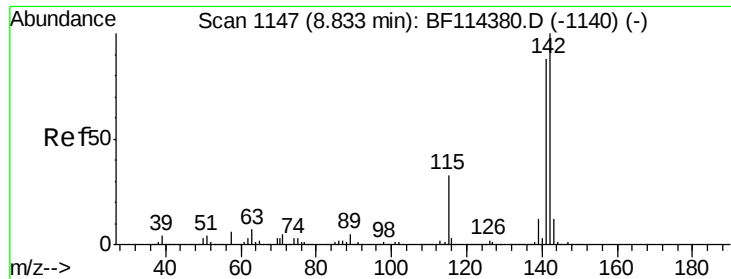
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#31
Naphthalene
Concen: 2.134 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF114353.D
Acq: 17 May 2019 16:47

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.4	9.6	14.4
127	13.3	11.3	16.9





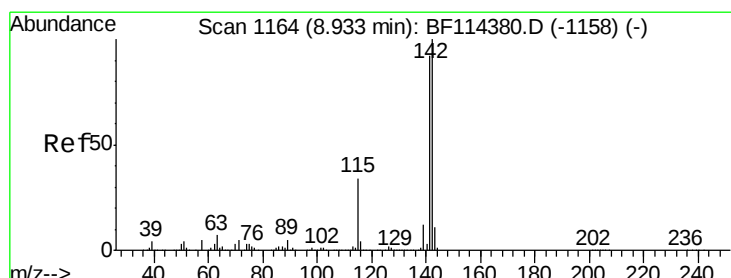
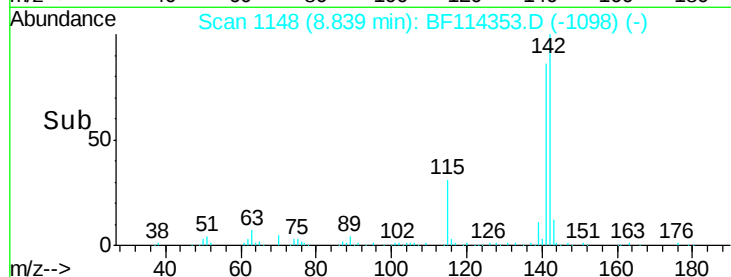
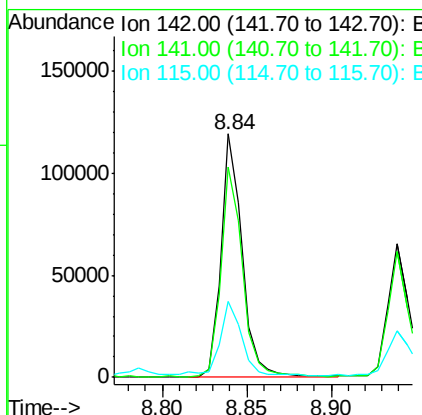
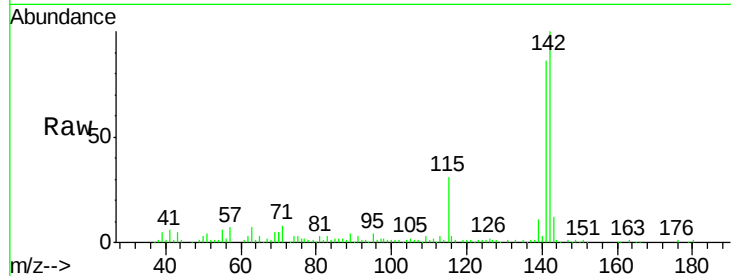
#37
 2-Methylnaphthalene
 Concen: 4.209 ng
 RT: 8.84 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF114353.D
 Acq: 17 May 2019 16:47

Instrument :
 BNA_F
 ClientSampleId :
 TP-21-S

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.4	72.1	108.1
115	31.2	28.0	42.0

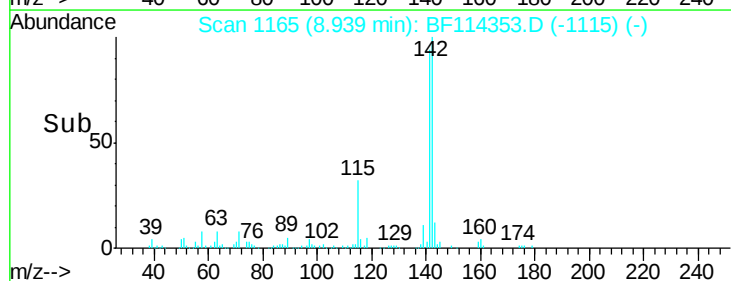
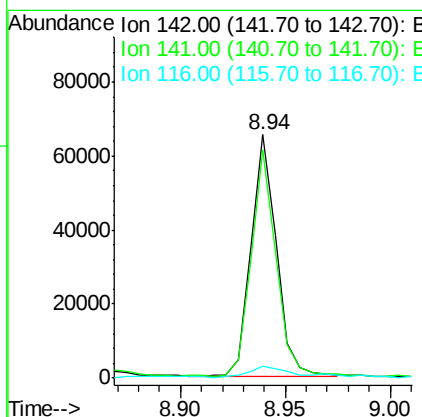
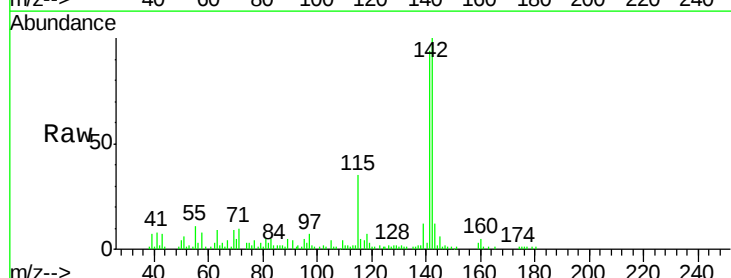
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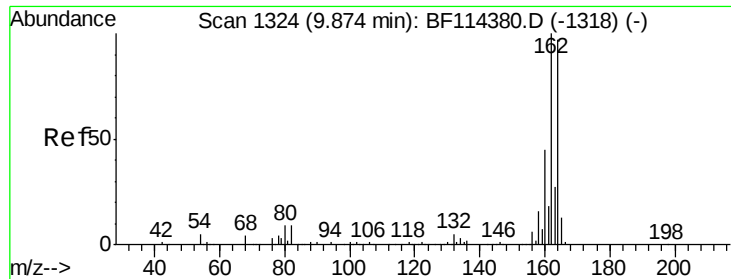
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#38
 1-Methylnaphthalene
 Concen: 2.375 ng m
 RT: 8.94 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF114353.D
 Acq: 17 May 2019 16:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.7	73.4	110.0
116	4.7	3.1	4.7#





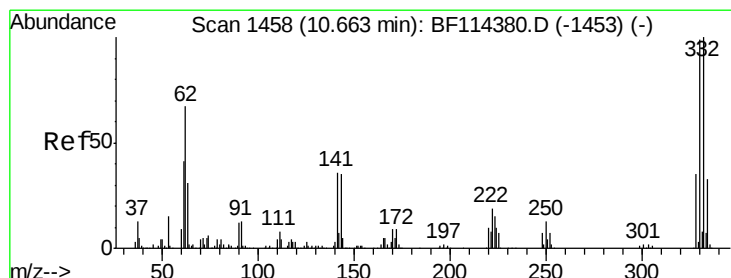
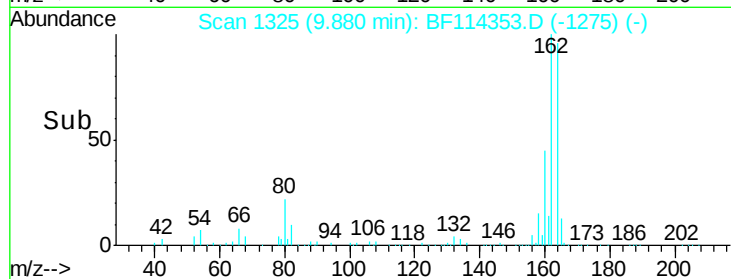
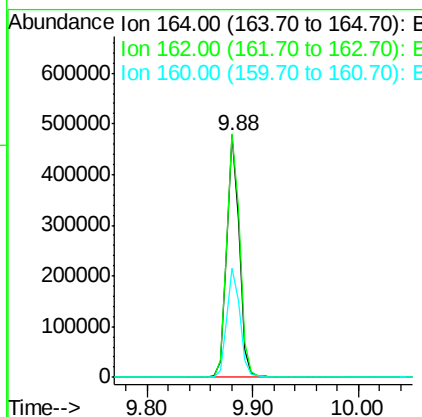
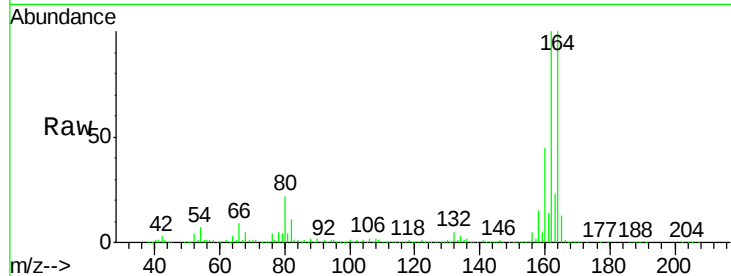
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF114353.D
Acq: 17 May 2019 16:47

Instrument :
BNA_F
ClientSampleId :
TP-21-S

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	396065		
162	100.5	80.6	120.8	
160	44.9	36.5	54.7	

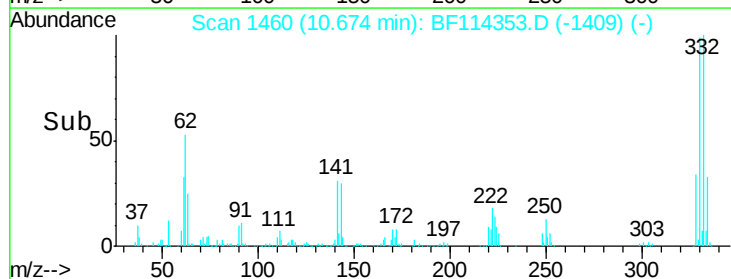
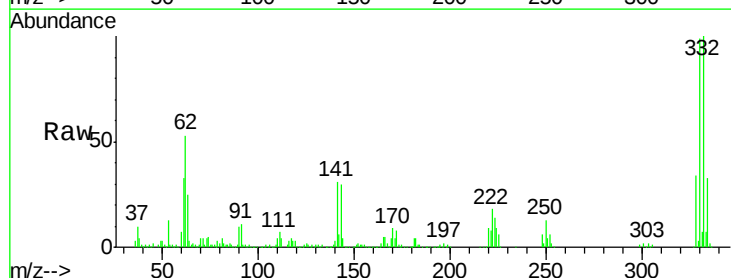
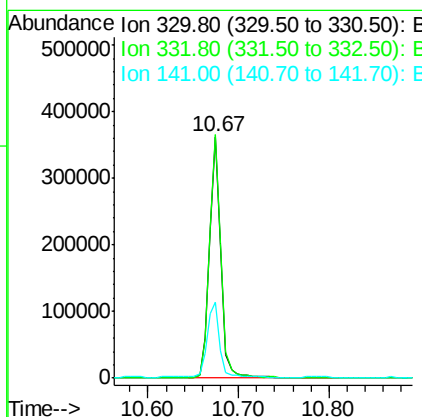
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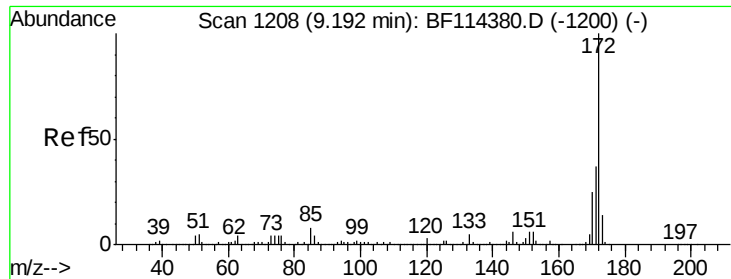
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#42
2,4,6-Tribromophenol
Concen: 80.449 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.00 min
Lab File: BF114353.D
Acq: 17 May 2019 16:47

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	329409		
332	100.9	81.4	122.2	
141	34.8	26.6	40.0	





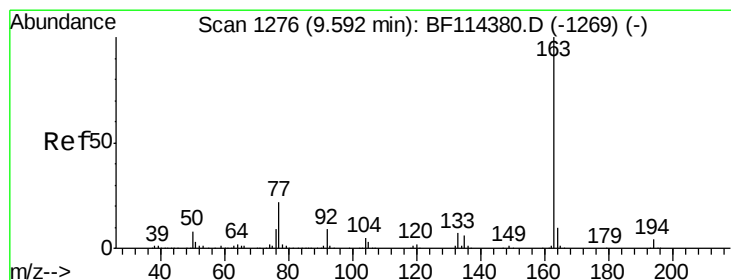
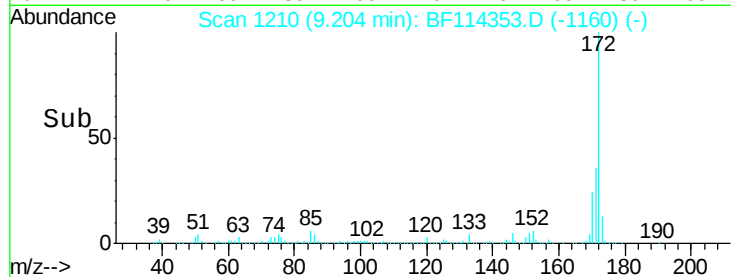
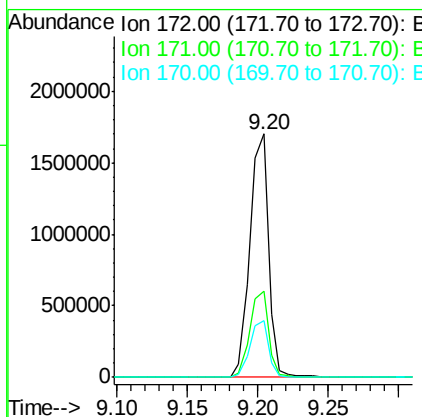
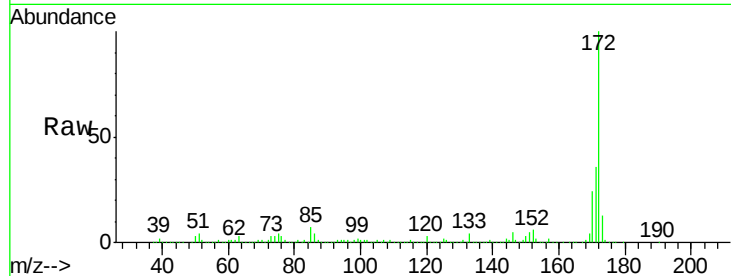
#45
 2-Fluorobiphenyl
 Concen: 61.113 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF114353.D
 Acq: 17 May 2019 16:47

Instrument :
 BNA_F
 ClientSampleId :
 TP-21-S

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.7	46.1
170	23.6	20.5	30.7

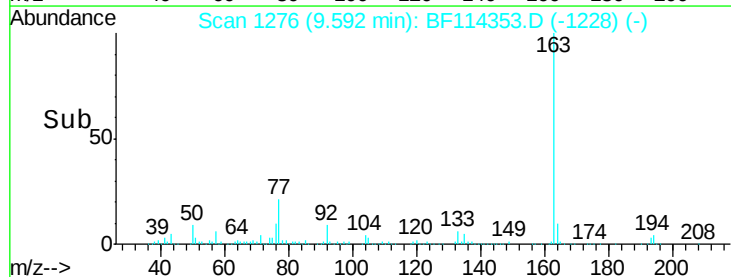
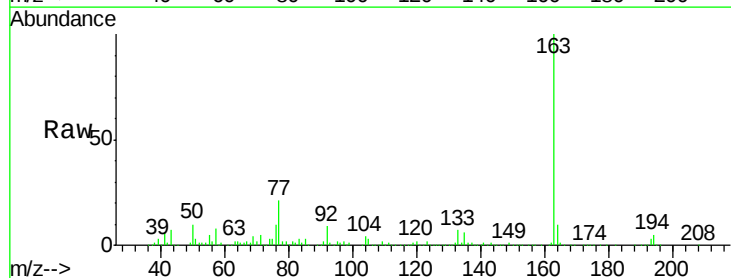
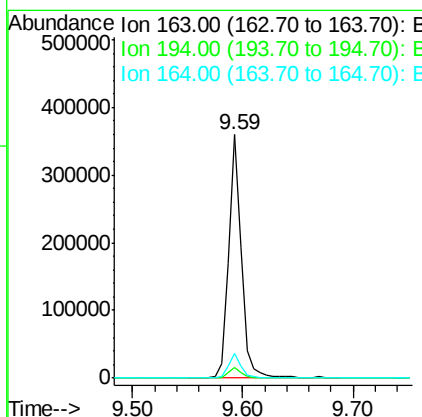
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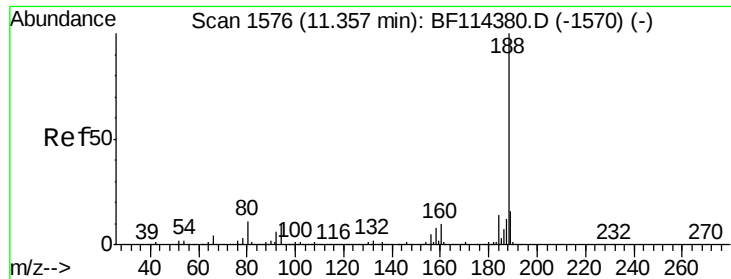
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#50
 Dimethylphthalate
 Concen: 9.951 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: BF114353.D
 Acq: 17 May 2019 16:47

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.0
164	10.3	8.2	12.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.00 min

Lab File: BF114353.D

Acq: 17 May 2019 16:47

Instrument :

BNA_F

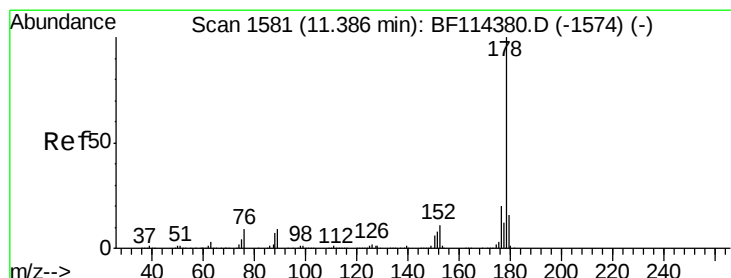
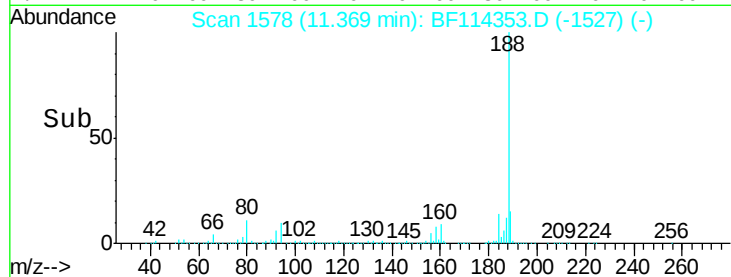
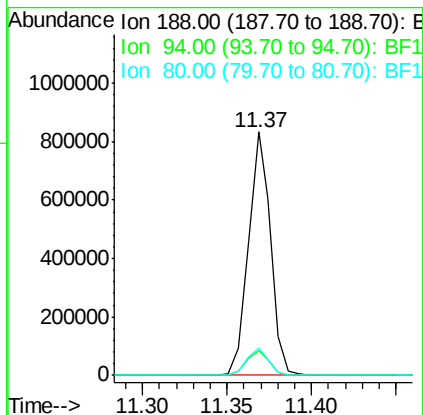
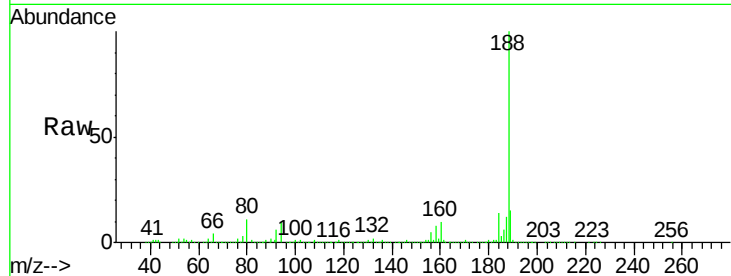
ClientSampled :

TP-21-S

Tgt Ion:	188	Resp:	759745
Ion Ratio	100	Lower	Upper
188	100		
94	10.2	8.4	12.6
80	11.2	9.2	13.8

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#71

Phenanthrene

Concen: 26.697 ng

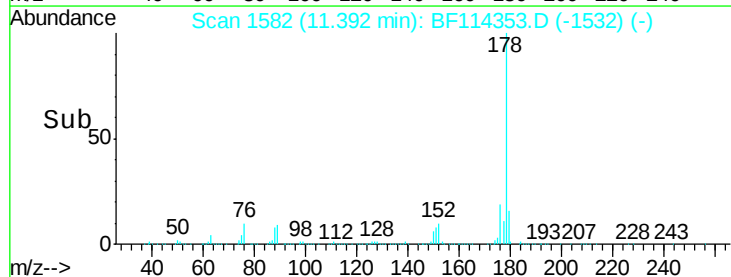
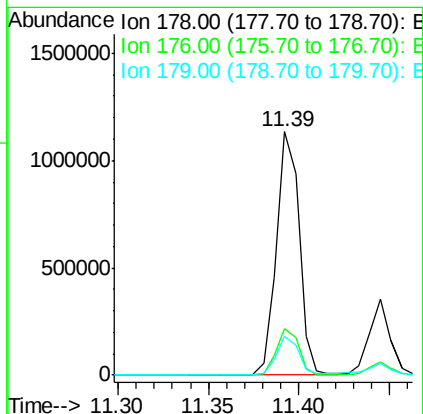
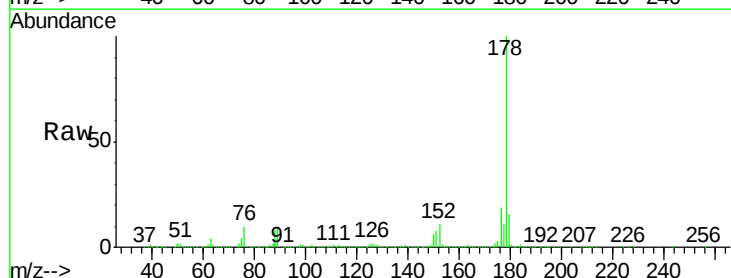
RT: 11.39 min Scan# 1582

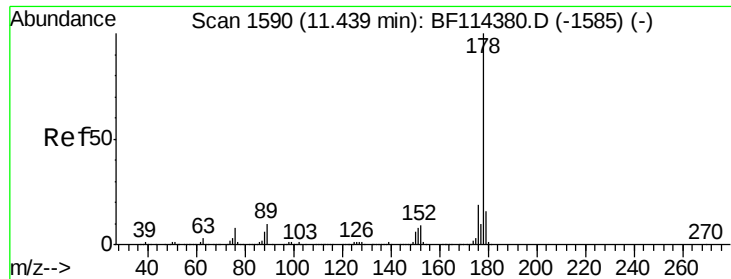
Delta R.T. -0.01 min

Lab File: BF114353.D

Acq: 17 May 2019 16:47

Tgt Ion:	178	Resp:	986806
Ion Ratio	100	Lower	Upper
178	100		
176	19.0	16.4	24.6
179	16.0	13.2	19.8





#72

Anthracene

Concen: 7.400 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF114353.D

Acq: 17 May 2019 16:47

Instrument :

BNA_F

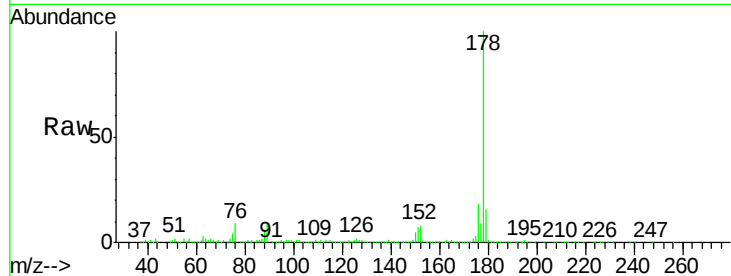
ClientSampleId :

TP-21-S

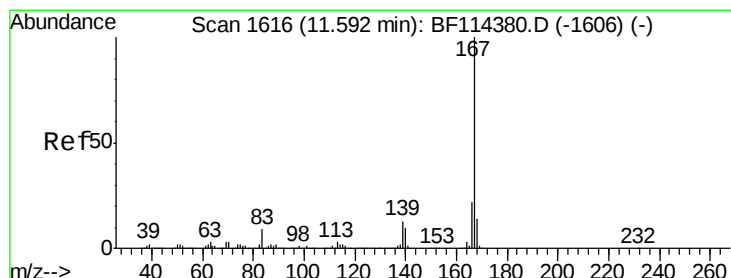
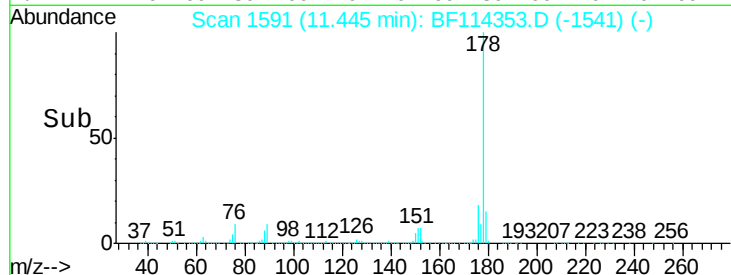
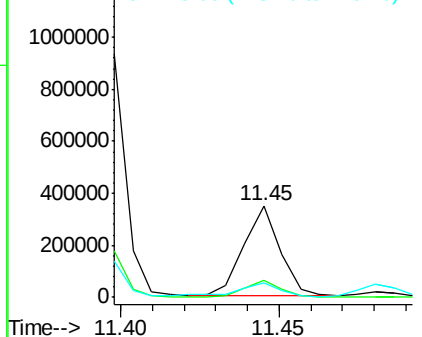
Tgt Ion:	178	Resp:	274733
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.8	23.8
179	15.6	13.0	19.4

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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: 4.445 ng

RT: 11.60 min Scan# 1617

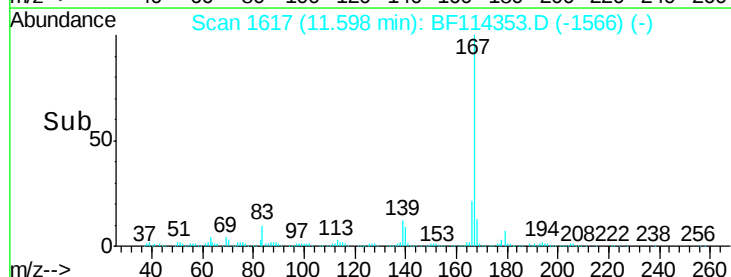
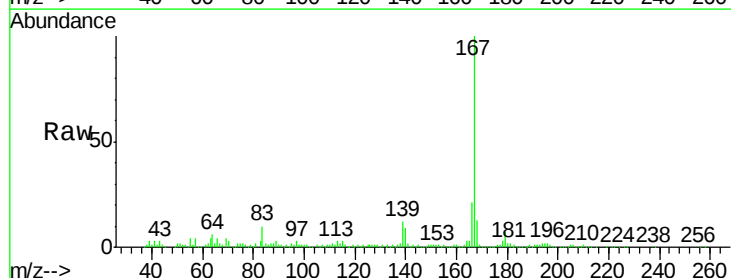
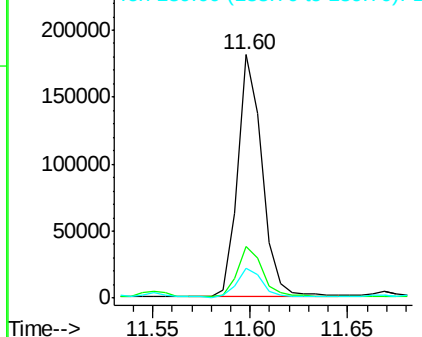
Delta R.T. -0.00 min

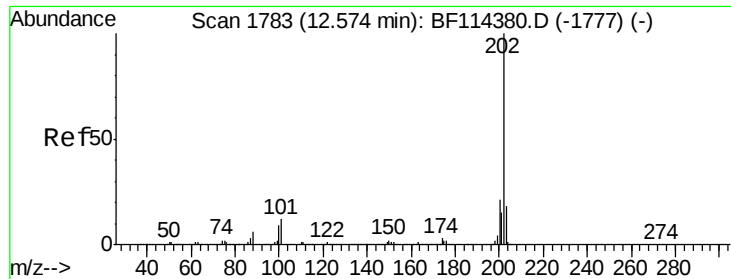
Lab File: BF114353.D

Acq: 17 May 2019 16:47

Tgt Ion:	167	Resp:	157369
Ion Ratio	Lower	Upper	
167	100		
166	21.2	18.2	27.2
139	12.5	10.6	16.0

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: 49.105 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF114353.D

Acq: 17 May 2019 16:47

Instrument :

BNA_F

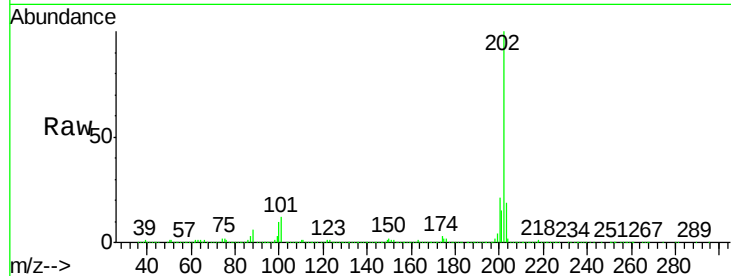
ClientSampled :

TP-21-S

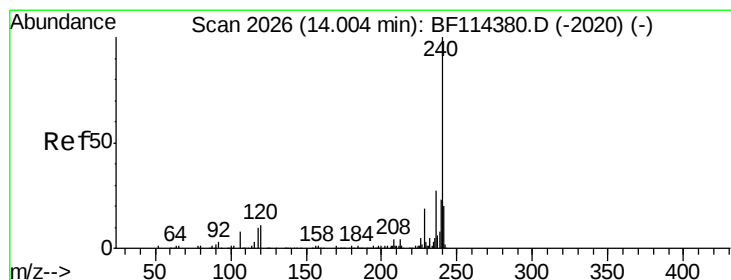
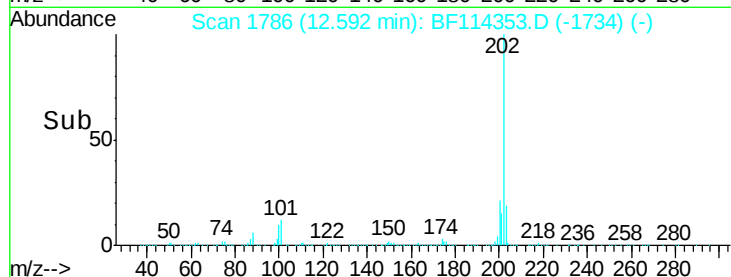
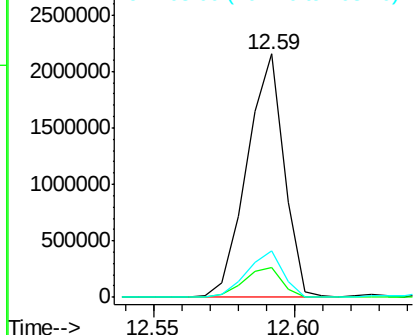
Tgt Ion:	202	Resp:	1954579
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	31.0
203	18.9	0.0	38.4

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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: 14.02 min Scan# 2028

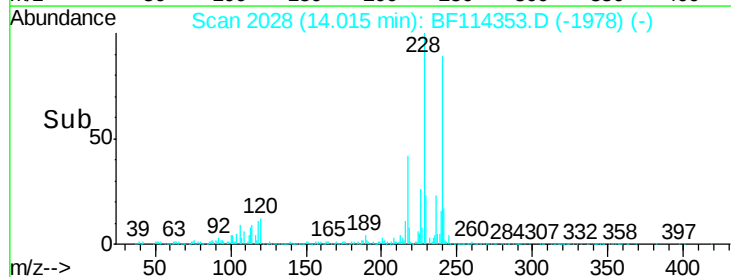
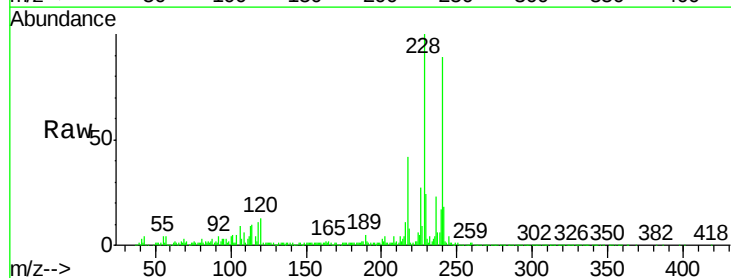
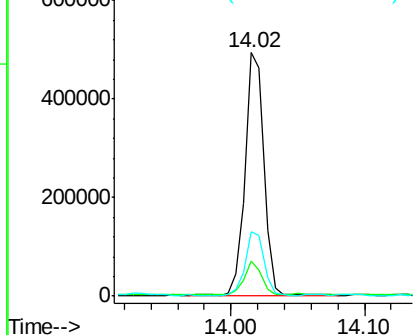
Delta R.T. -0.01 min

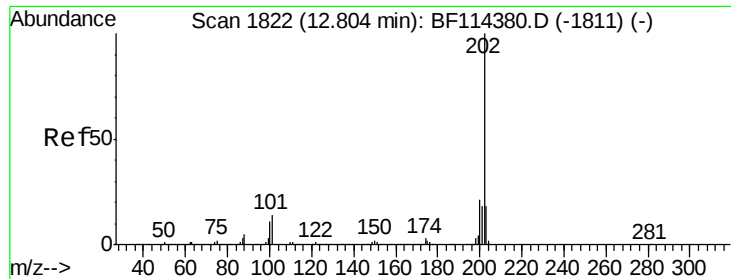
Lab File: BF114353.D

Acq: 17 May 2019 16:47

Tgt Ion:	240	Resp:	476140
Ion	Ratio	Lower	Upper
240	100		
120	14.4	8.3	12.5#
236	26.3	20.8	31.2

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





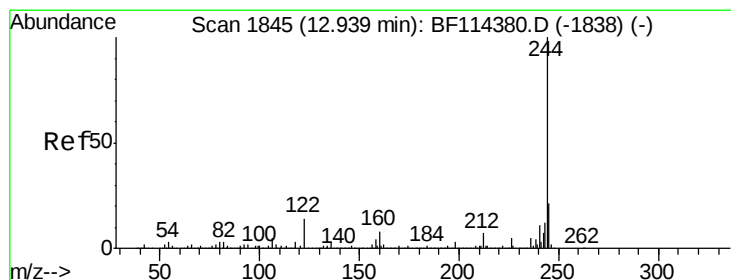
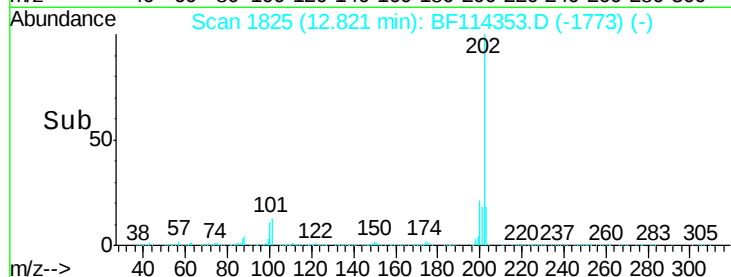
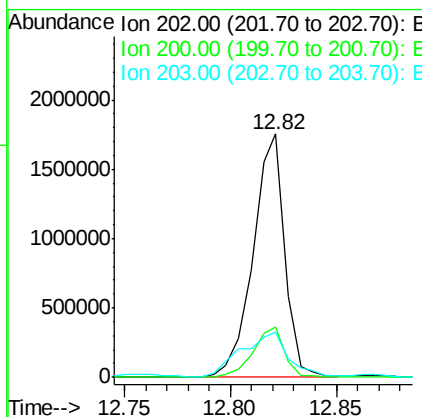
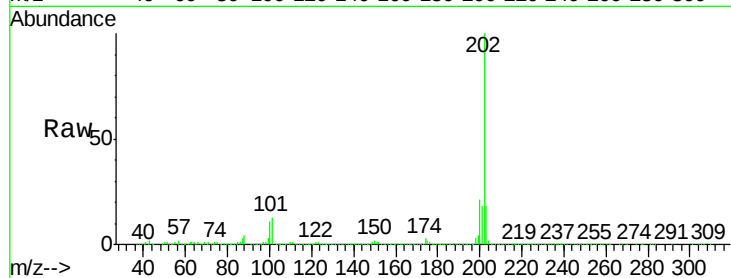
#78
 Pyrene
 Concen: 47.372 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. 0.01 min
 Lab File: BF114353.D
 Acq: 17 May 2019 16:47

Instrument :
 BNA_F
 ClientSampleId :
 TP-21-S

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.9	25.3
203	18.4	14.5	21.7

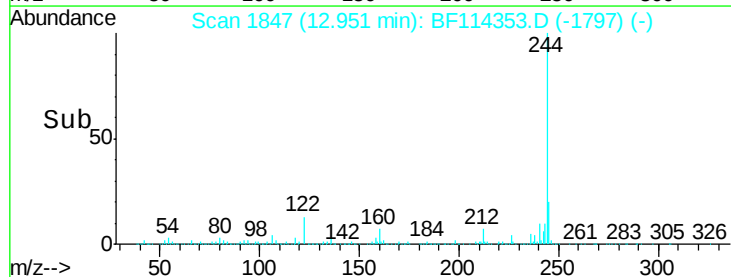
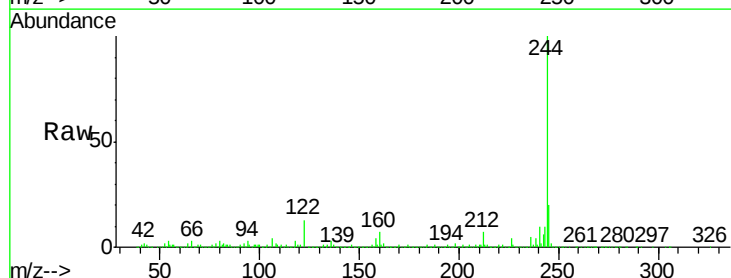
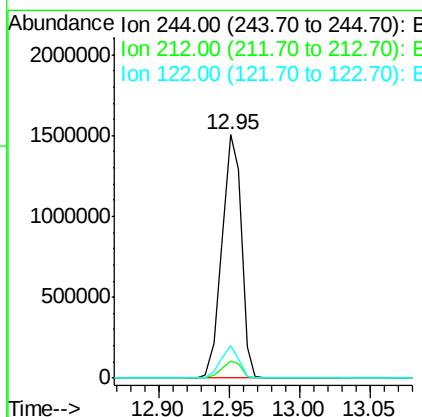
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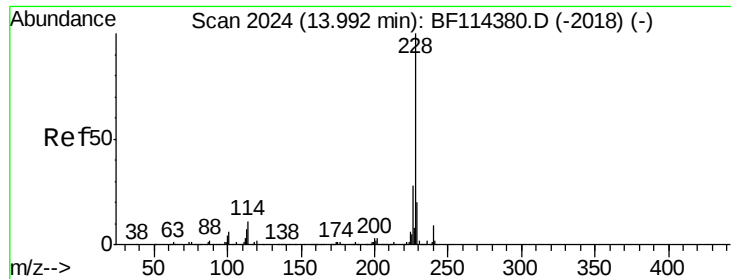
mohammad
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#79
 Terphenyl-d14
 Concen: 62.221 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF114353.D
 Acq: 17 May 2019 16:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	13.2	9.4	14.2





#81

Benzo(a)anthracene

Concen: 40.918 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BF114353.D

Acq: 17 May 2019 16:47

Instrument :

BNA_F

ClientSampleId :

TP-21-S

Tgt Ion:228 Resp: 1260128

Ion Ratio Lower Upper

228 100

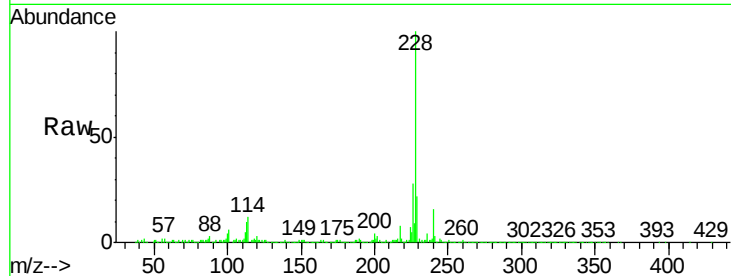
226 27.7 22.2 33.2

229 21.7 16.4 24.6

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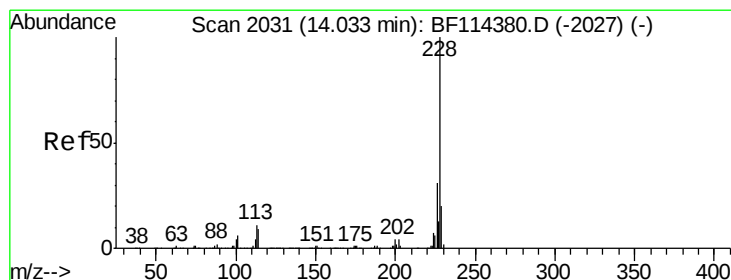
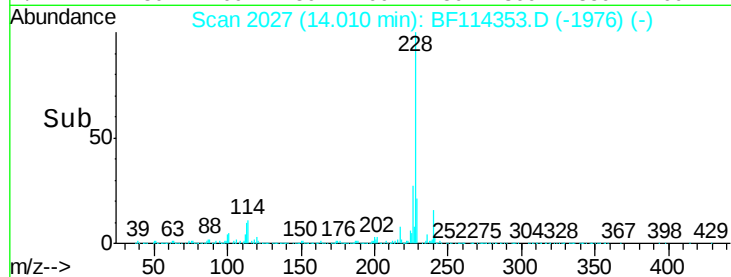
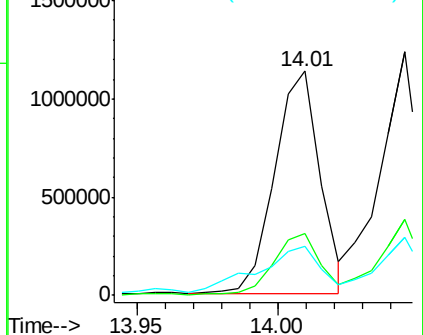
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 40.079 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF114353.D

Acq: 17 May 2019 16:47

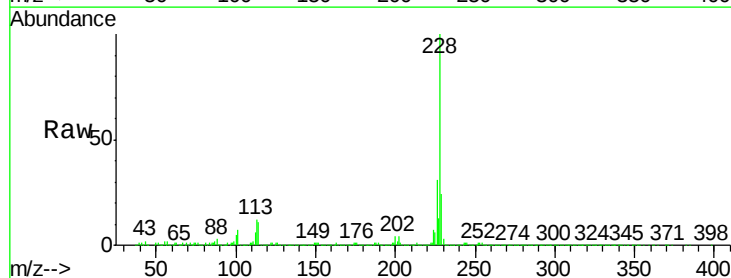
Tgt Ion:228 Resp: 1209961

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

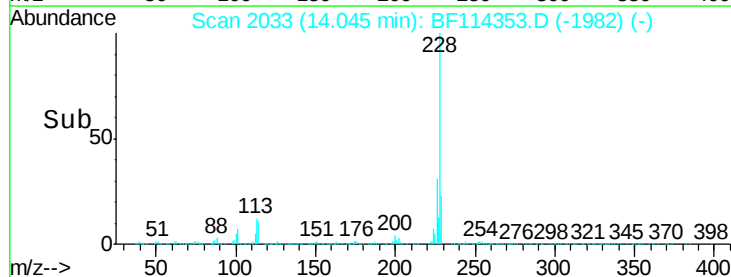
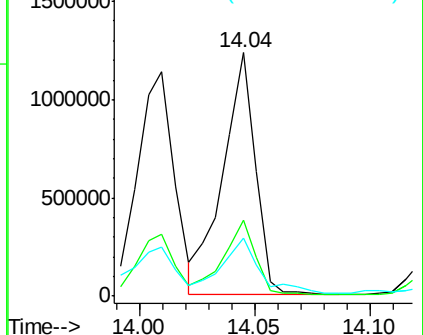
229 23.8 17.0 25.6

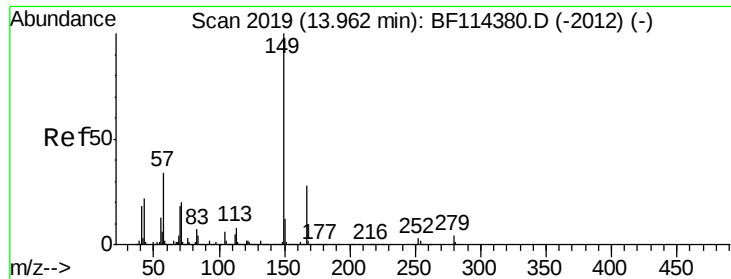


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.684 ng m

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF114353.D

Acq: 17 May 2019 16:47

Instrument :

BNA_F

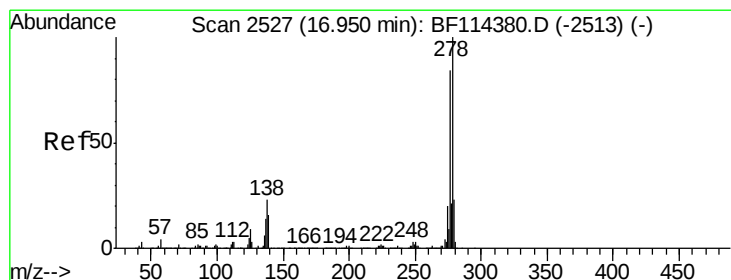
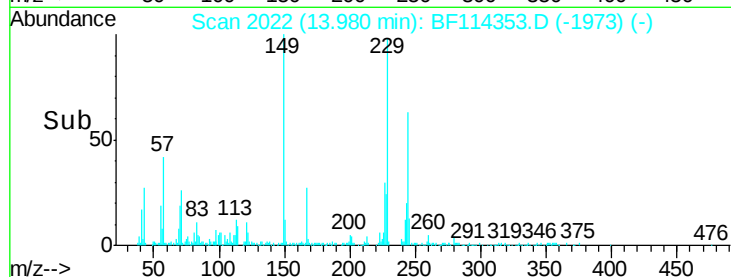
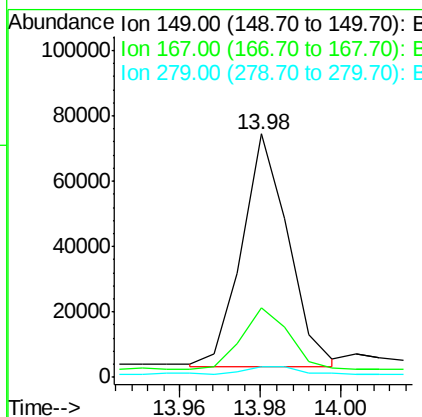
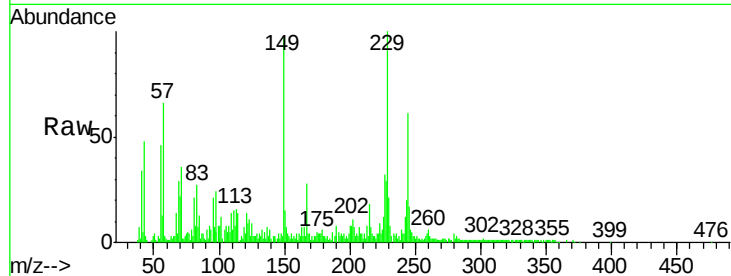
ClientSampled :

TP-21-S

Tgt Ion:	149	Resp:	56590
Ion Ratio	Lower	Upper	
149	100		
167	28.4	22.6	33.8
279	4.4	3.0	4.6

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#86

Indeno(1,2,3-cd)pyrene

Concen: 15.008 ng

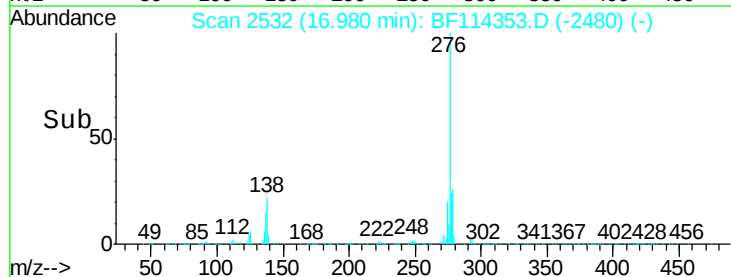
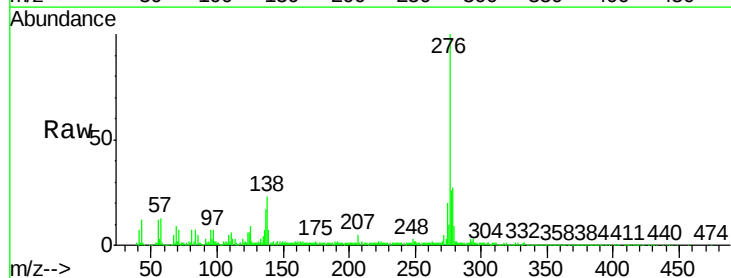
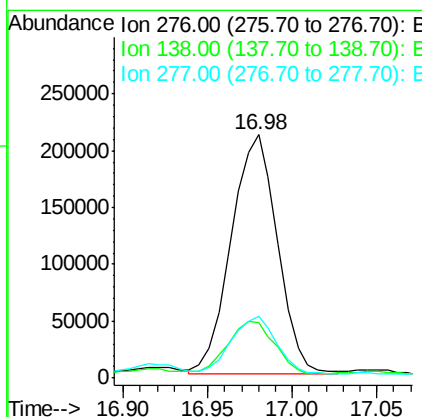
RT: 16.98 min Scan# 2532

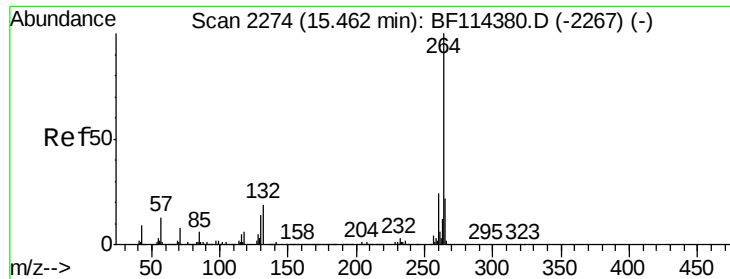
Delta R.T. 0.01 min

Lab File: BF114353.D

Acq: 17 May 2019 16:47

Tgt Ion:	276	Resp:	400416
Ion Ratio	Lower	Upper	
276	100		
138	22.8	20.2	30.2
277	23.6	20.0	30.0





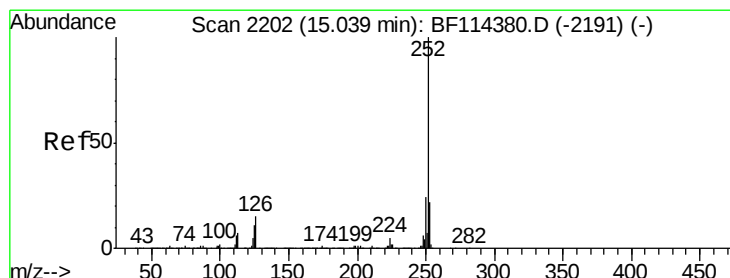
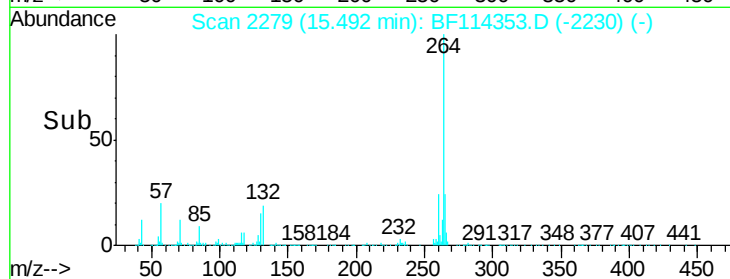
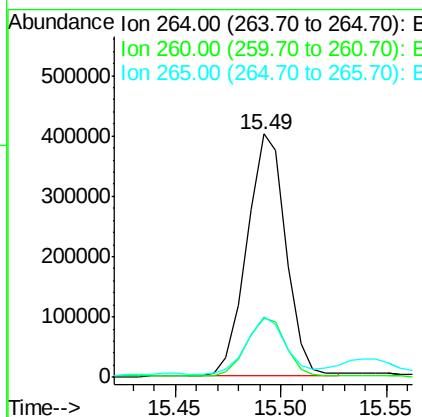
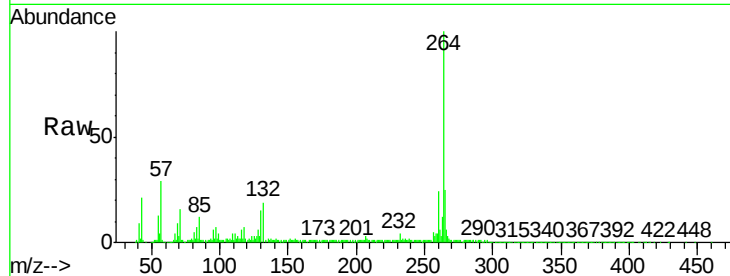
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF114353.D
Acq: 17 May 2019 16:47

Instrument :
BNA_F
ClientSampled :
TP-21-S

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	513384		
260	24.2	19.4	29.0	
265	24.7	16.9	25.3	

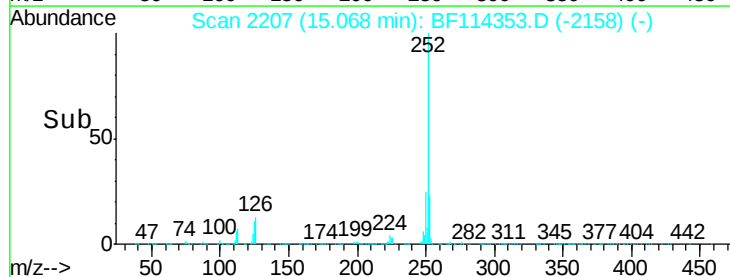
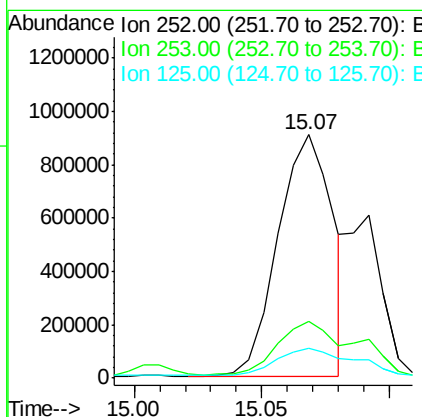
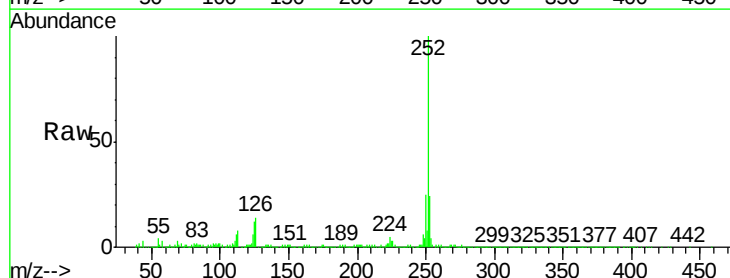
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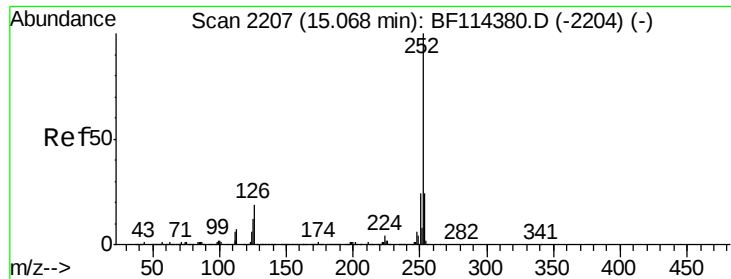
mohammad
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#88
Benzo(b)fluoranthene
Concen: 41.382 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF114353.D
Acq: 17 May 2019 16:47

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	1361076		
253	23.5	17.8	26.8	
125	12.4	8.3	12.5	





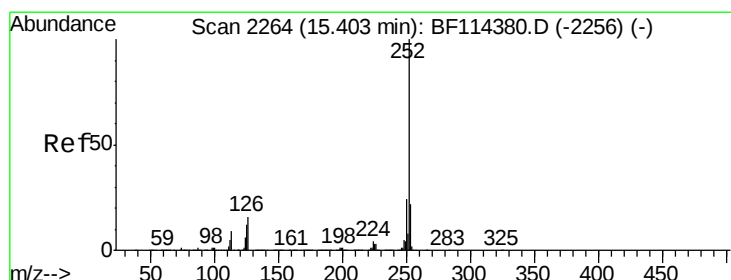
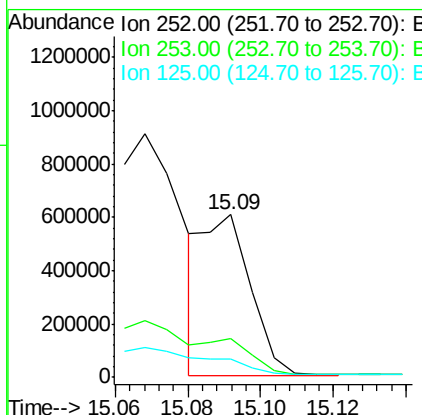
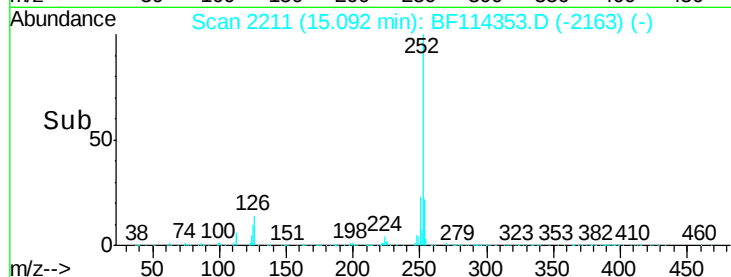
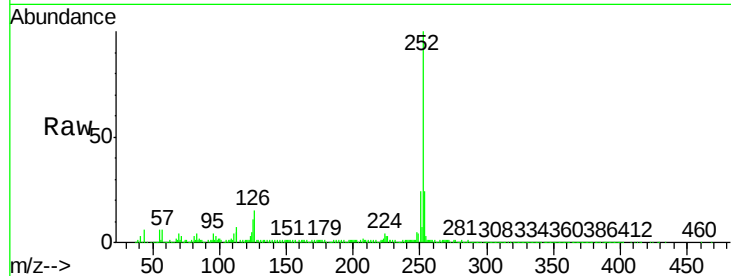
#89
Benzo(k)fluoranthene
Concen: 17.804 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF114353.D
Acq: 17 May 2019 16:47

Instrument :
BNA_F
ClientSampleId :
TP-21-S

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.2
125	11.4	8.6	13.0

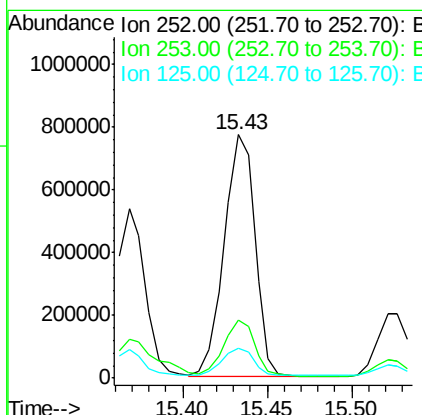
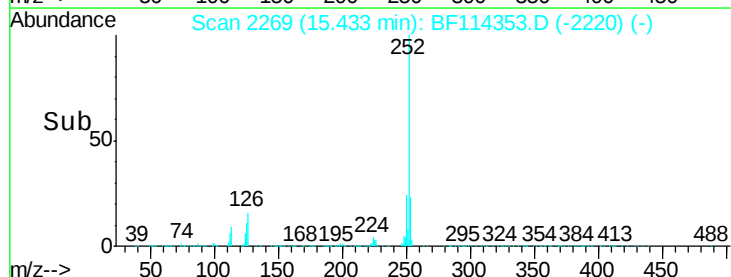
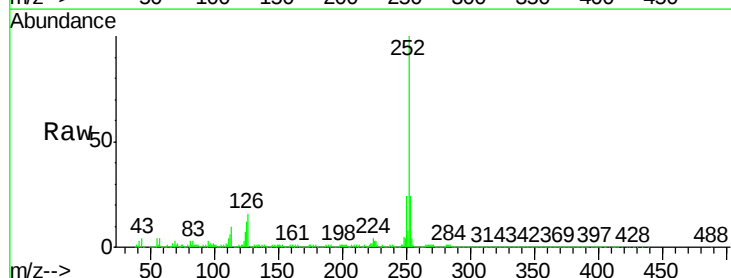
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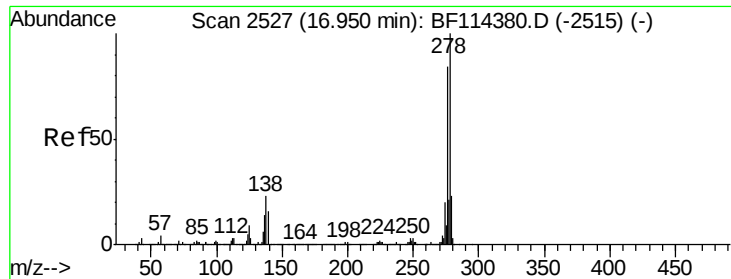
mohammad
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#90
Benzo(a)pyrene
Concen: 34.079 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF114353.D
Acq: 17 May 2019 16:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	12.4	9.5	14.3





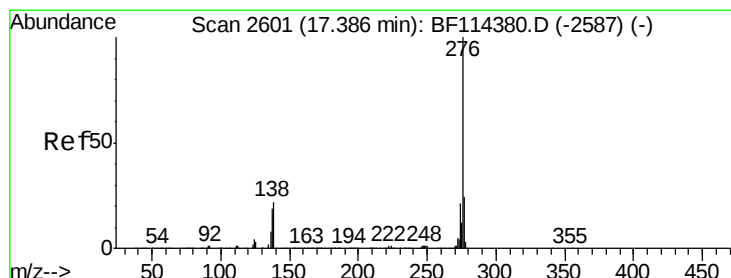
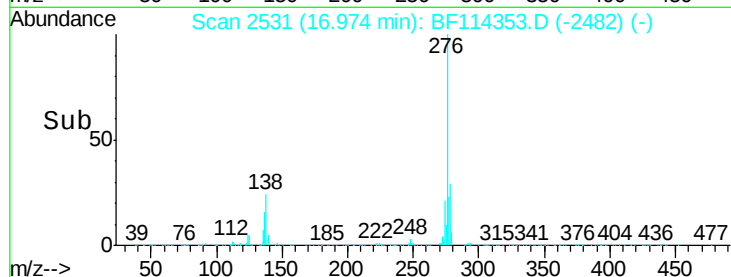
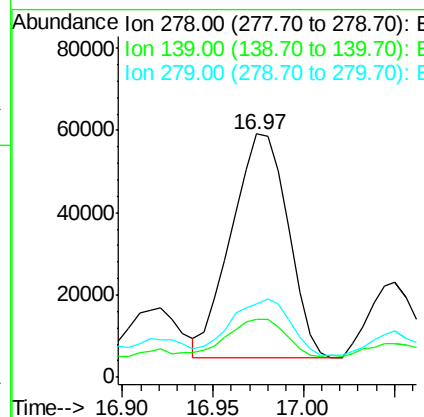
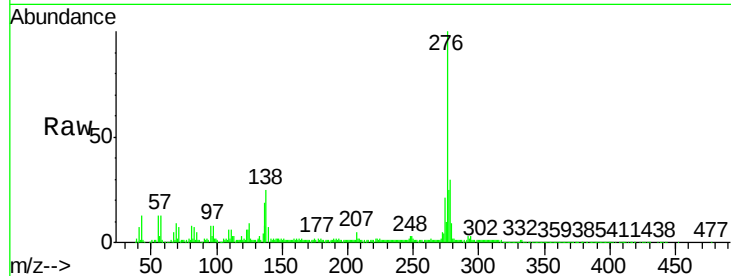
#91
Dibenzo(a,h)anthracene
Concen: 4.891 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF114353.D
Acq: 17 May 2019 16:47

Instrument :
BNA_F
ClientSampleId :
TP-21-S

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.9	13.5	20.3#
279	30.3	19.0	28.6#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 14.654 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.01 min
Lab File: BF114353.D
Acq: 17 May 2019 16:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.0	28.4
138	24.6	17.8	26.6

