

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
 Data File : BF119822.D
 Acq On : 7 Apr 2020 15:15
 Operator : MA/SJ
 Sample : L2129-36DL 20X
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6DL

Manual Integrations
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Quant Time: Apr 07 15:49:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 06 11:15:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	149764	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	571108	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	215316	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	400940	20.00	ng	0.00
76) Chrysene-d12	13.97	240	286724	20.00	ng	0.01
87) Perylene-d12	15.42	264	179674	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	73592	7.82	ng	0.00
7) Phenol-d6	6.41	99	111936	9.31	ng	0.00
23) Nitrobenzene-d5	7.35	82	63199	6.01	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	19205	8.65	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	96212	6.62	ng	0.00
79) Terphenyl-d14	12.91	244	100110	6.84	ng	0.00
Target Compounds						
52) Acenaphthene	9.86	154	74484	5.539	ng	99
55) Dibenzofuran	10.04	168	110533	5.733	ng	95
58) Fluorene	10.38	166	107367	7.530	ng	100
71) Phenanthrene	11.35	178	1388513	66.788	ng	99
72) Anthracene	11.40	178	391110	18.510	ng	97
73) Carbazole	11.55	167	208814	9.984	ng	99
75) Fluoranthene	12.54	202	1263352	56.150	ng	98
78) Pyrene	12.77	202	1103190	46.882	ng	98
81) Benzo(a)anthracene	13.96	228	562794	30.184	ng	99
83) Chrysene	13.99	228	482742	25.087	ng	96
86) Indeno(1,2,3-cd)pyrene	16.84	276	99661	5.499	ng	# 94
88) Benzo(b)fluoranthene	15.00	252	347348m	28.940	ng	
89) Benzo(k)fluoranthene	15.02	252	106797m	9.345	ng	
90) Benzo(a)pyrene	15.36	252	224480	20.580	ng	99
91) Dibenzo(a,h)anthracene	16.86	278	31672	3.320	ng	# 78
92) Benzo(g,h,i)perylene	17.28	276	88192	9.202	ng	95

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

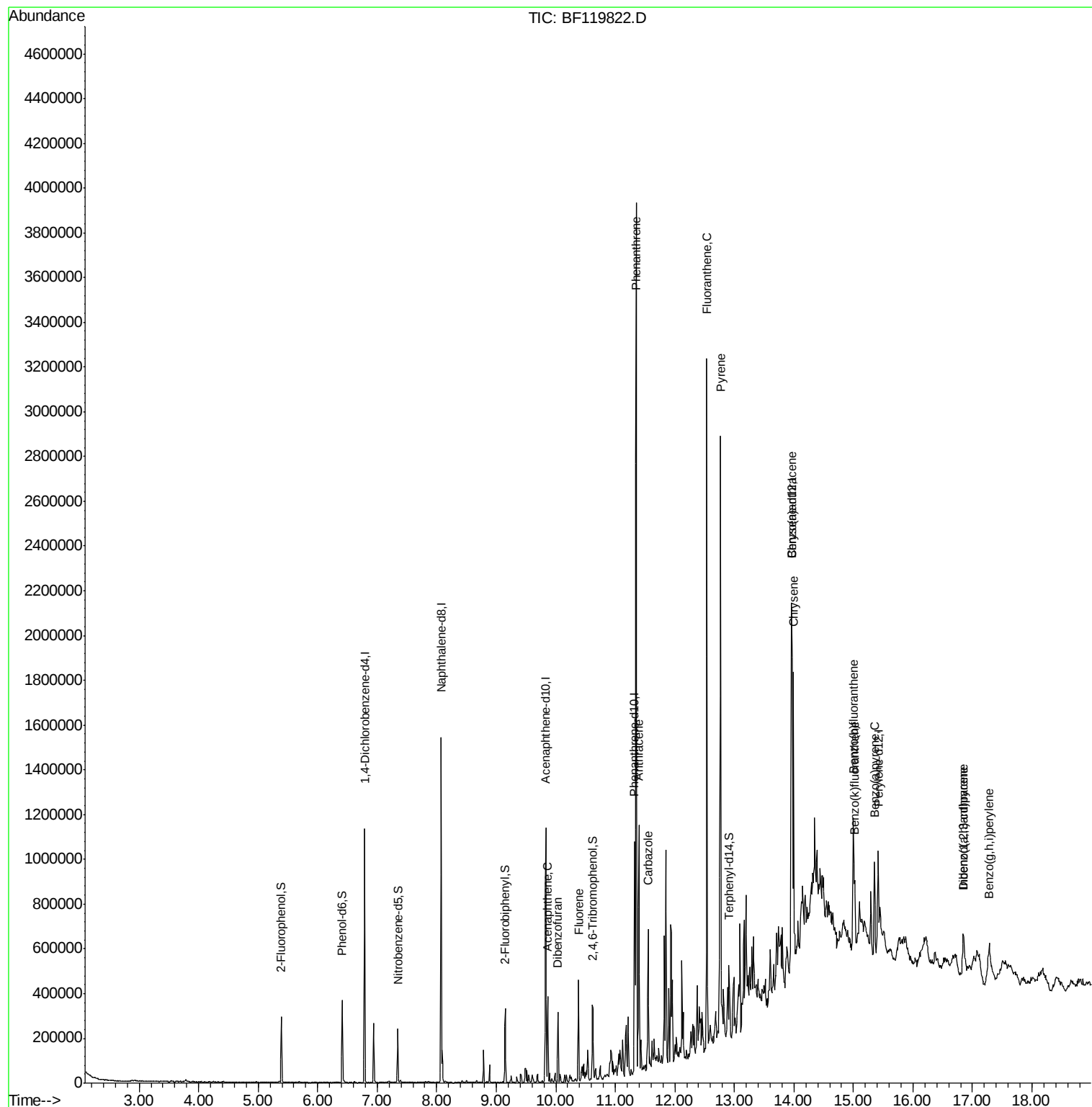
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
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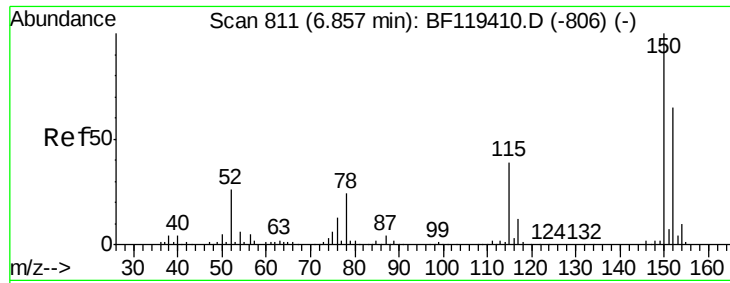
Instrument :
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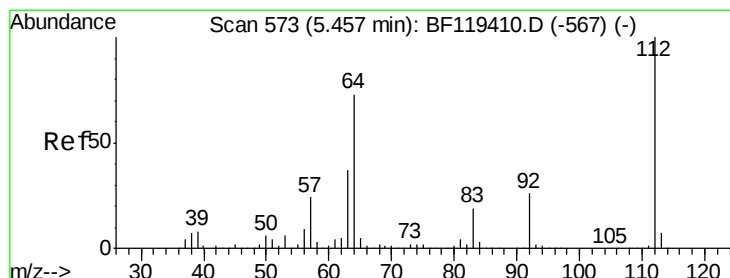
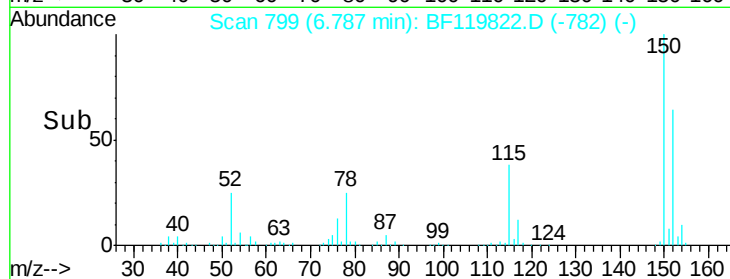
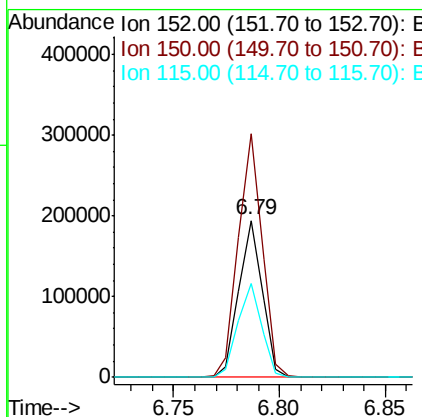
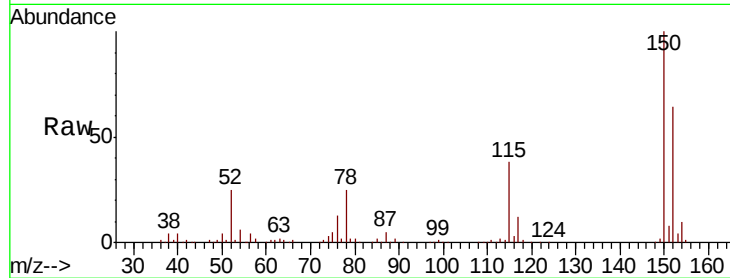
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF119822.D
 Acq: 7 Apr 2020 15:15

Instrument :
 BNA_F
 ClientSampleId :
 TP-6DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.5	186.7
115	59.6	49.6	74.4

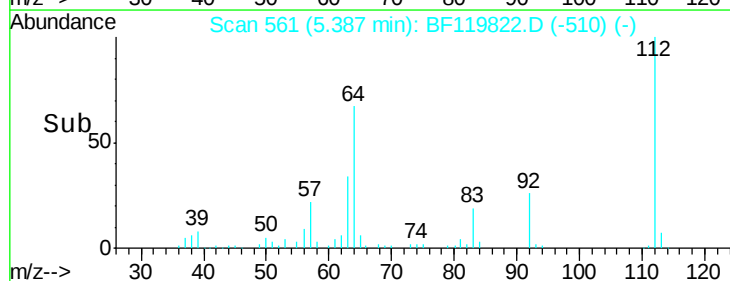
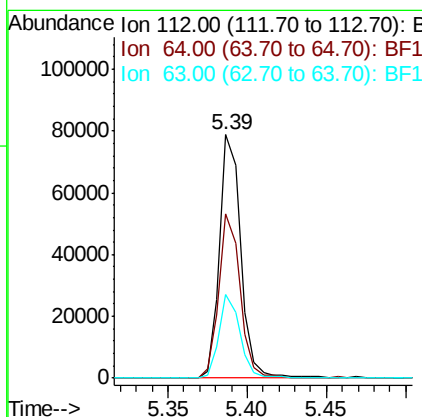
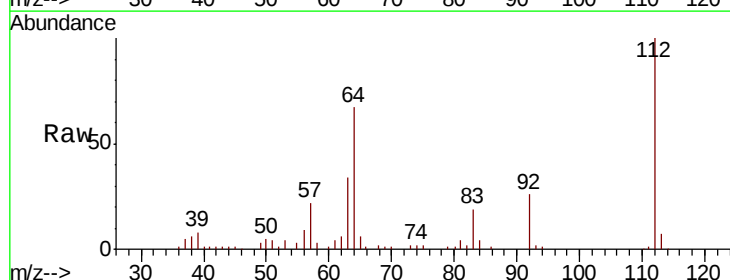
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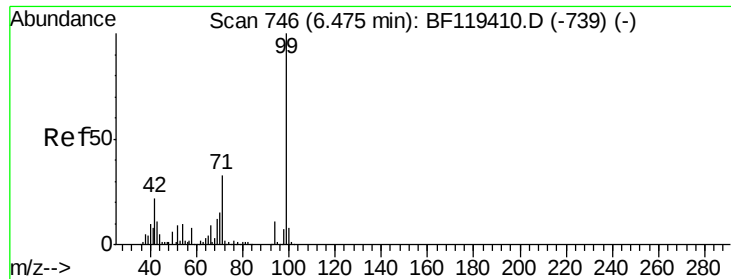
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#5
 2-Fluorophenol
 Concen: 7.822 ng
 RT: 5.39 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: BF119822.D
 Acq: 7 Apr 2020 15:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	56.7	85.1
63	34.2	29.5	44.3





#7

Phenol-d6

Concen: 9.314 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF119822.D

Acq: 7 Apr 2020 15:15

Instrument :

BNA_F

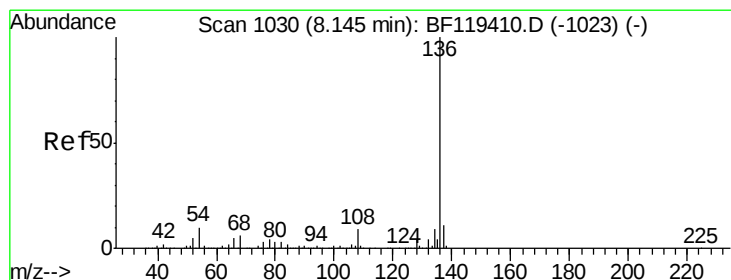
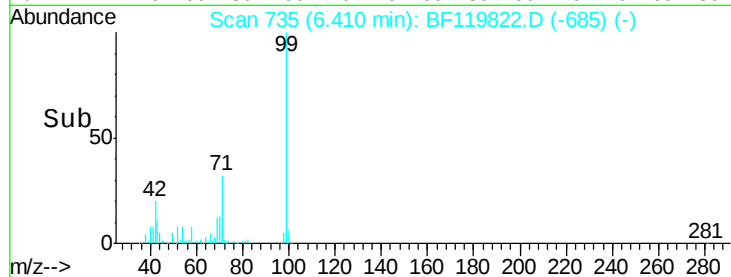
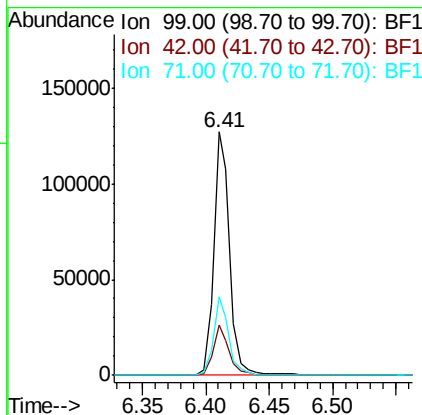
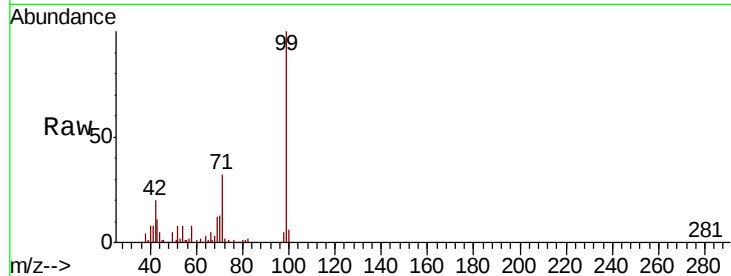
ClientSampleId :

TP-6DL

Tot Ion:	99	Resp:	111936
Ion	Ratio	Lower	Upper
99	100		
42	20.5	16.6	24.8
71	32.4	26.4	39.6

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#21

Naphthalene-d8

Concen: 20.000 ng

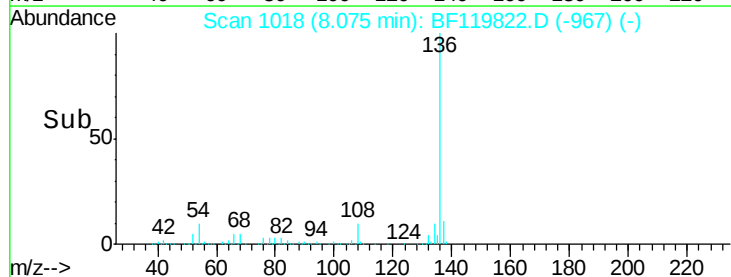
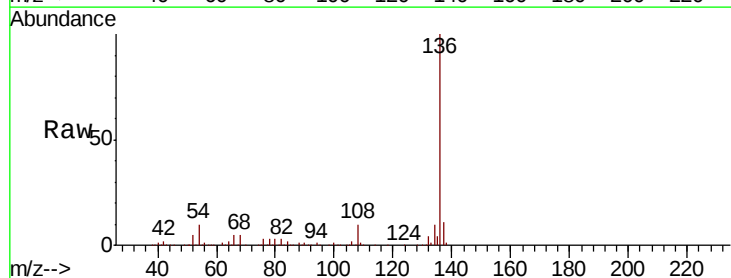
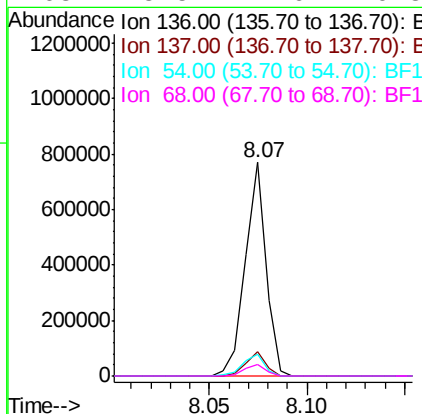
RT: 8.07 min Scan# 1018

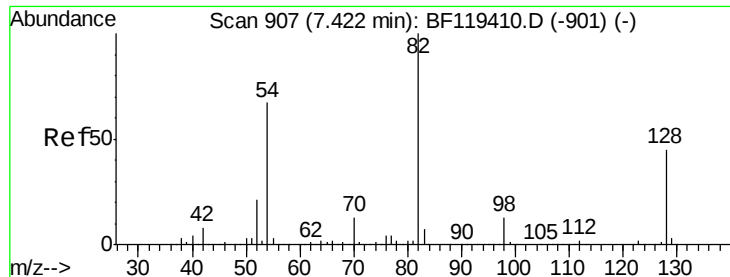
Delta R.T. -0.00 min

Lab File: BF119822.D

Acq: 7 Apr 2020 15:15

Tgt Ion:	136	Resp:	571108
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	10.0	9.1	13.7
68	5.5	4.6	6.8





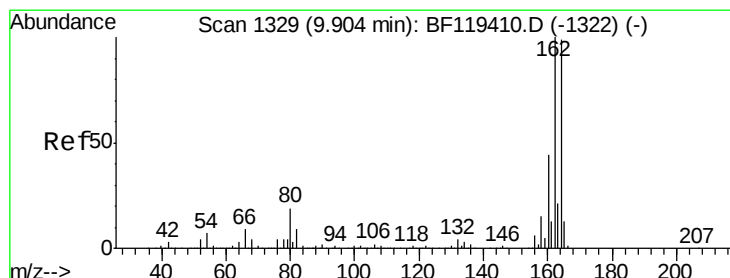
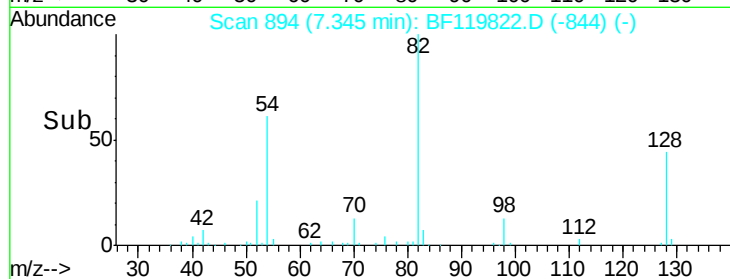
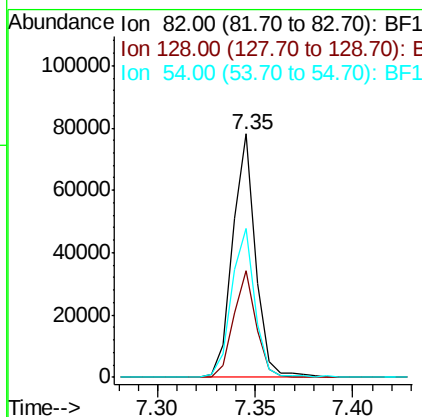
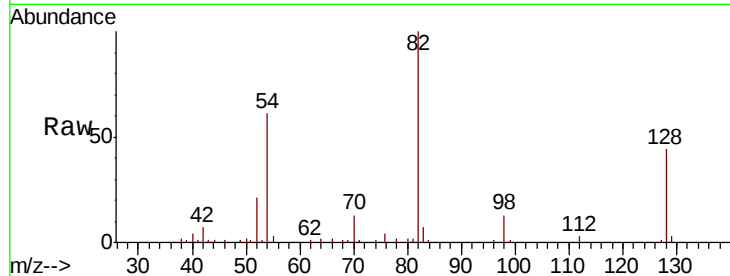
#23
Nitrobenzene-d5
Concen: 6.014 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF119822.D
Acq: 7 Apr 2020 15:15

Instrument :
BNA_F
ClientSampled :
TP-6DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.3	54.5
54	61.4	50.6	75.8

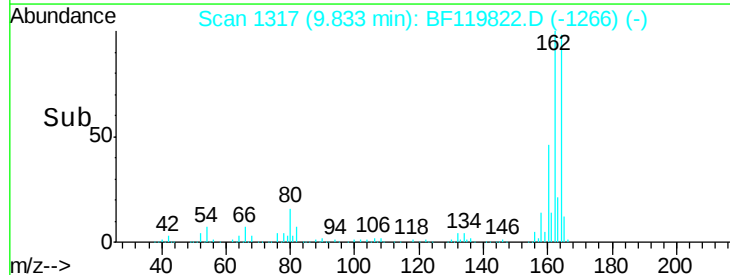
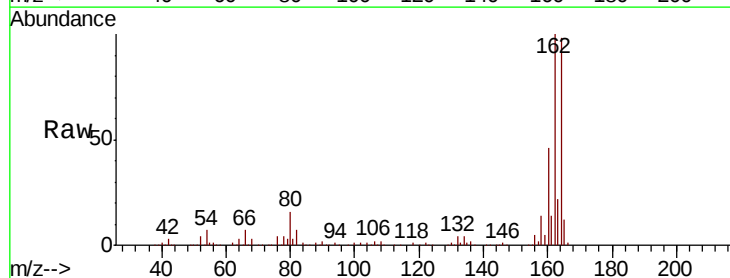
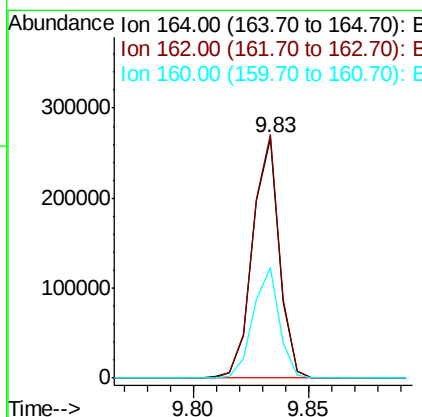
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BF119822.D
Acq: 7 Apr 2020 15:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.6	121.0
160	46.2	35.7	53.5





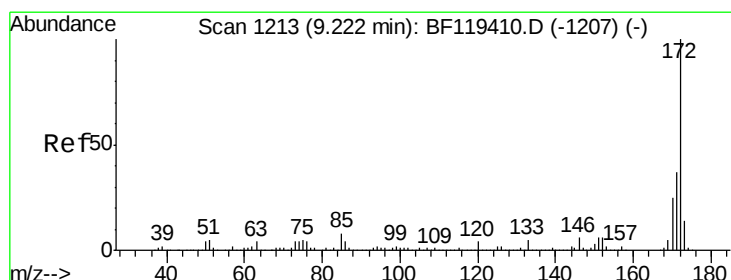
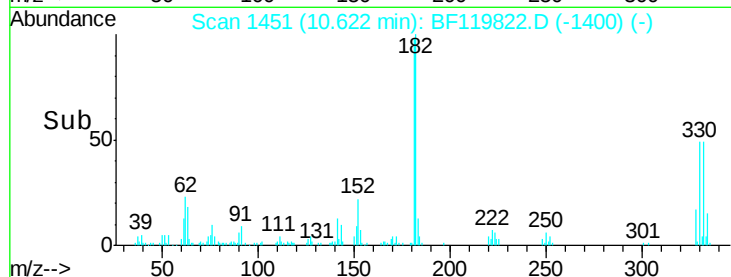
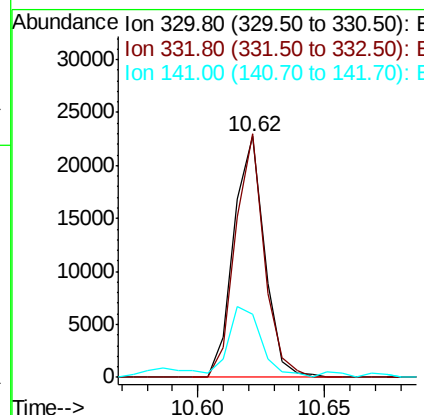
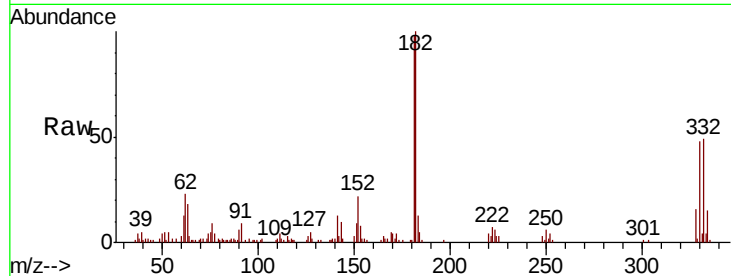
#42
 2,4,6-Tribromophenol
 Concen: 8.646 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF119822.D
 Acq: 7 Apr 2020 15:15

Instrument :
 BNA_F
 ClientSampleId :
 TP-6DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	19205		
332	94.3	75.7	113.5	
141	31.5	25.4	38.0	

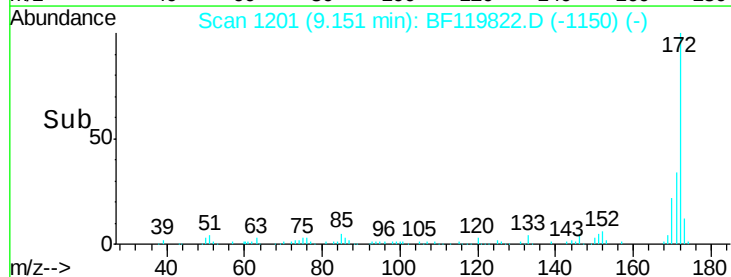
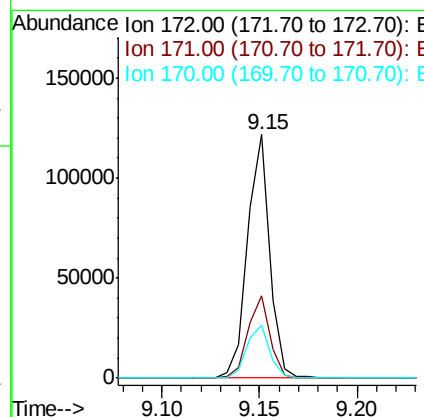
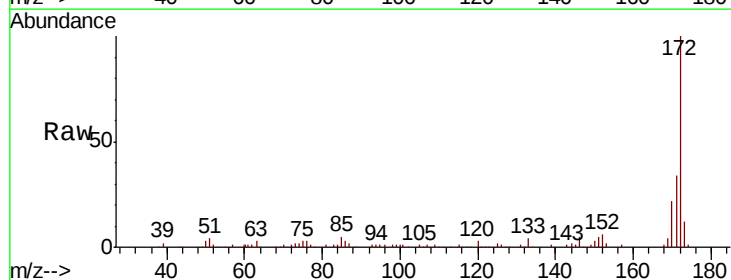
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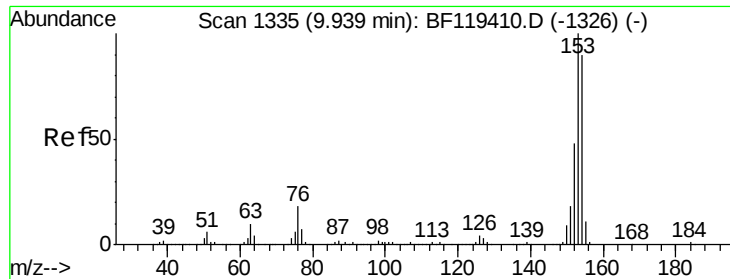
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#45
 2-Fluorobiphenyl
 Concen: 6.620 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF119822.D
 Acq: 7 Apr 2020 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	96212		
171	33.6	29.6	44.4	
170	21.6	20.2	30.2	





#52

Acenaphthene

Concen: 5.539 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BF119822.D

Acq: 7 Apr 2020 15:15

Instrument :

BNA_F

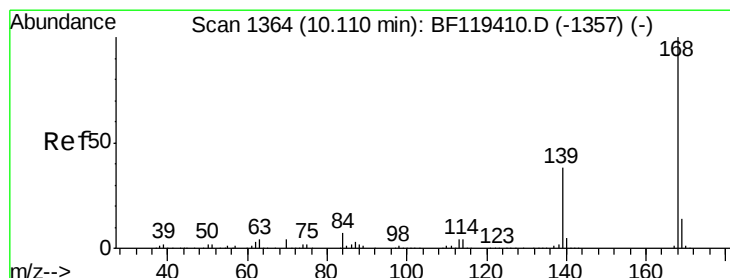
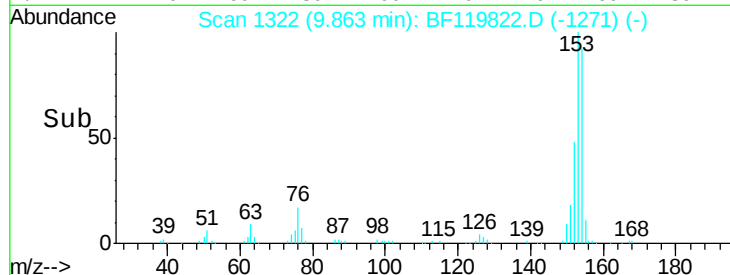
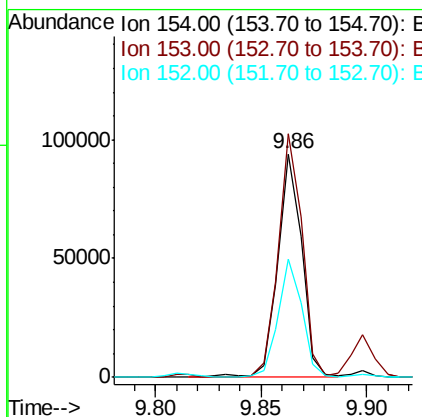
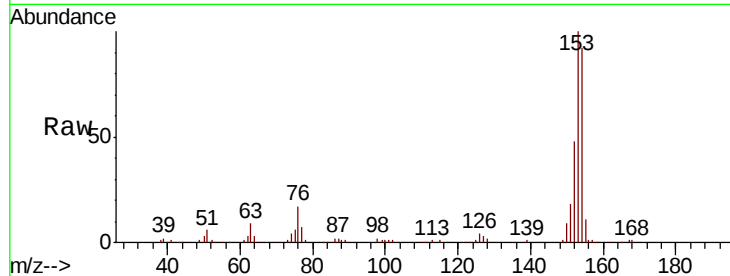
ClientSampleId :

TP-6DL

Tot Ion:	154	Resp:	74484
Ion Ratio	Lower	Upper	
154	100		
153	108.9	88.1	132.1
152	52.6	43.0	64.4

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#55

Dibenzofuran

Concen: 5.733 ng

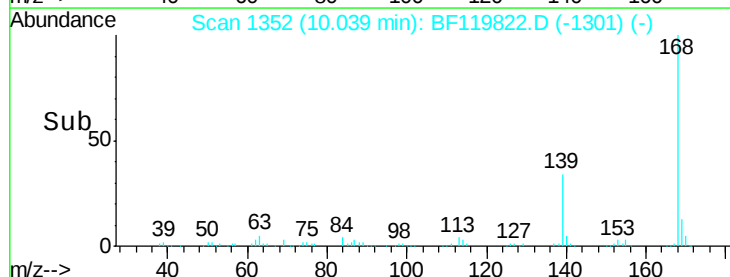
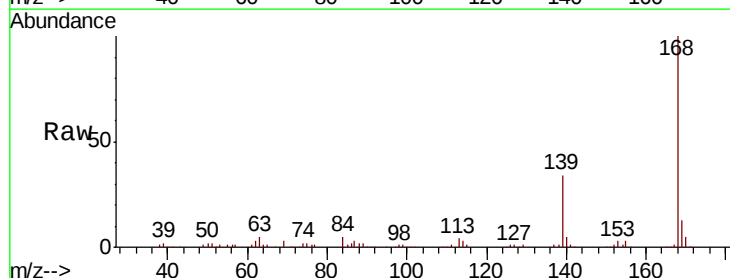
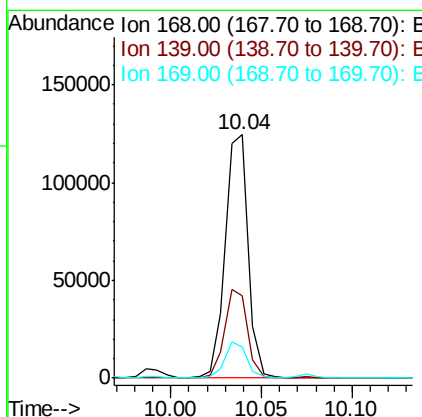
RT: 10.04 min Scan# 1352

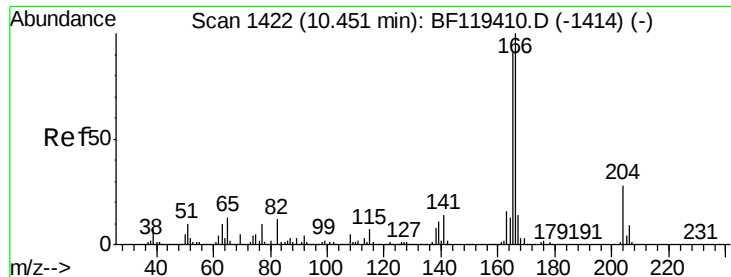
Delta R.T. 0.00 min

Lab File: BF119822.D

Acq: 7 Apr 2020 15:15

Tgt Ion:	168	Resp:	110533
Ion Ratio	Lower	Upper	
168	100		
139	33.7	30.1	45.1
169	13.0	11.0	16.6





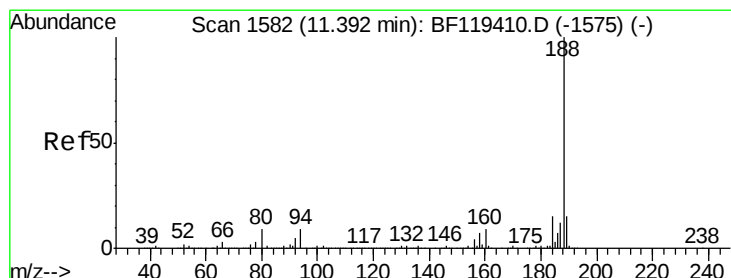
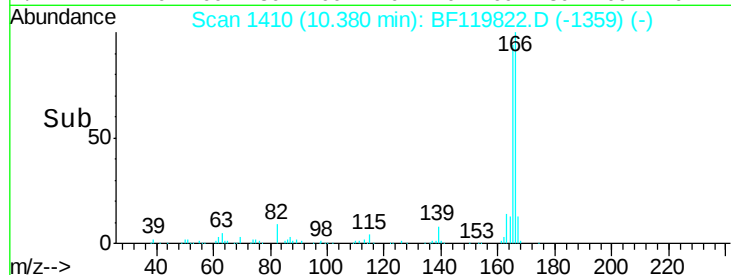
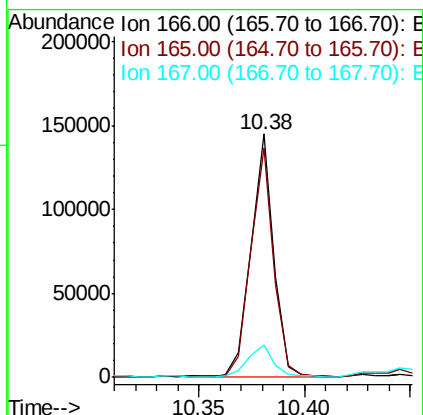
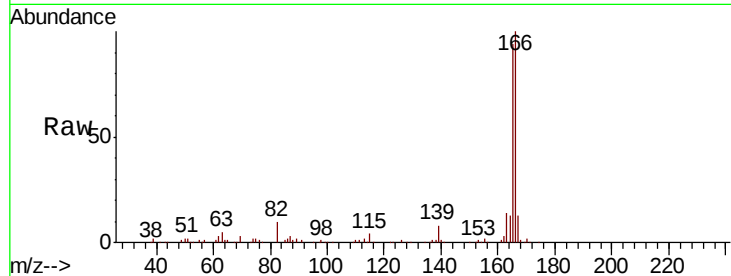
#58
Fluorene
Concen: 7.530 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.00 min
Lab File: BF119822.D
Acq: 7 Apr 2020 15:15

Instrument :
BNA_F
ClientSampleId :
TP-6DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.4	75.4	113.2
167	13.3	11.2	16.8

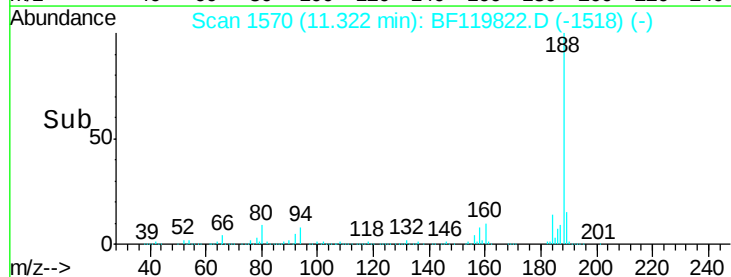
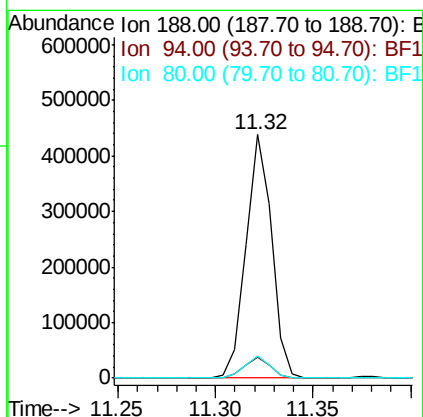
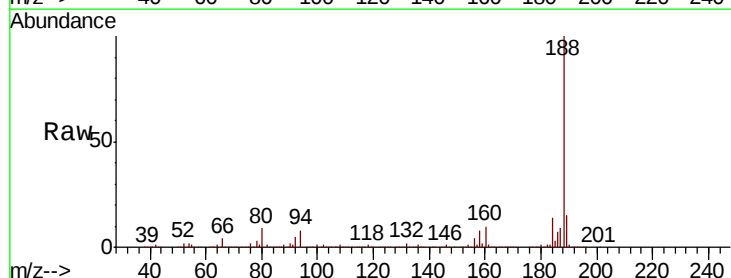
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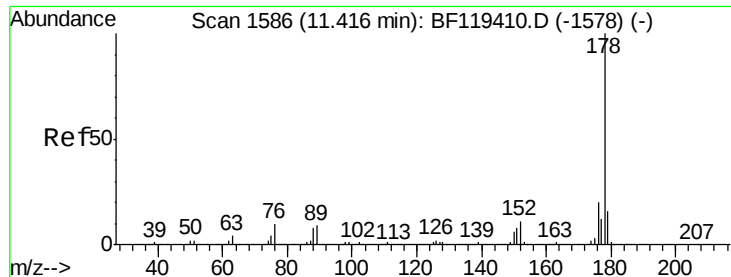
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF119822.D
Acq: 7 Apr 2020 15:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.5	11.3
80	9.1	9.0	13.4





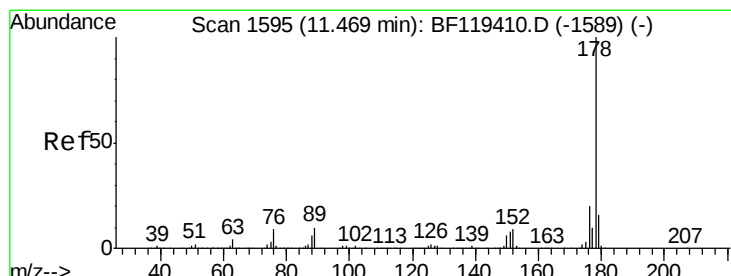
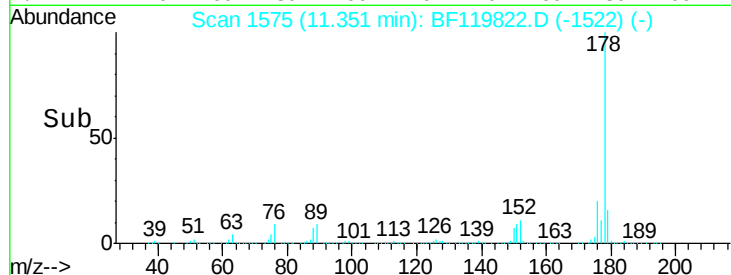
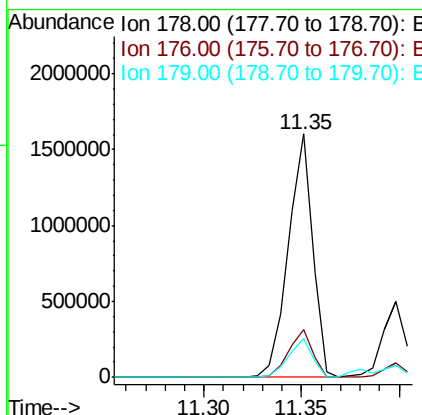
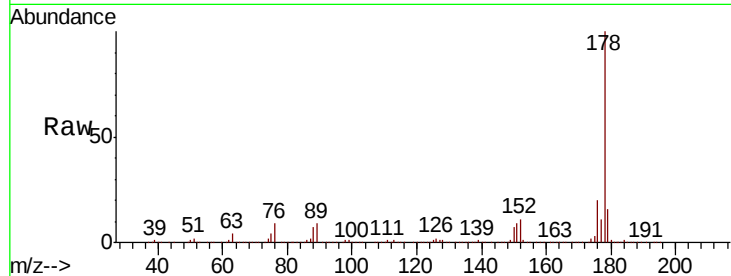
#71
 Phenanthrene
 Concen: 66.788 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: BF119822.D
 Acq: 7 Apr 2020 15:15

Instrument :
 BNA_F
 ClientSampleId :
 TP-6DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	15.8	13.2	19.8

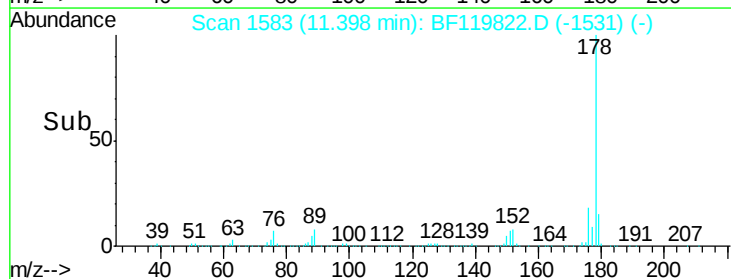
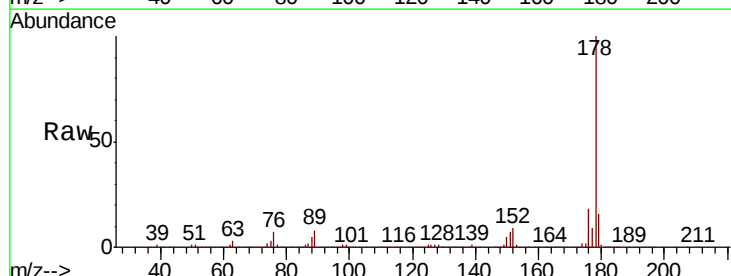
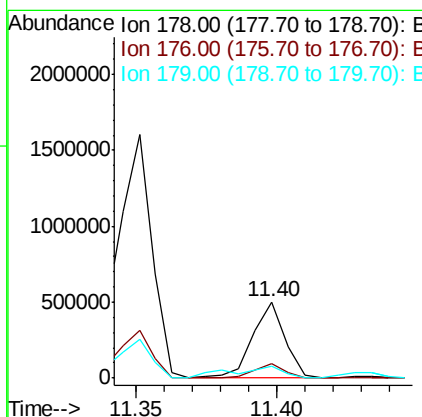
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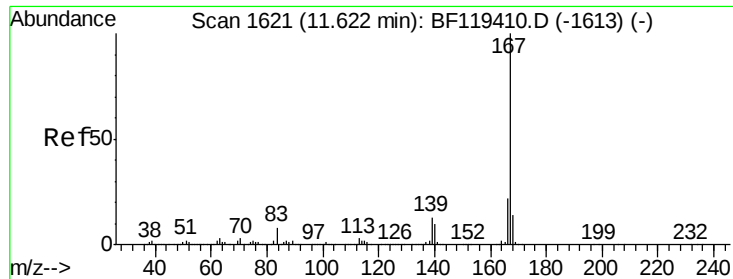
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#72
 Anthracene
 Concen: 18.510 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF119822.D
 Acq: 7 Apr 2020 15:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.1	24.1
179	15.5	13.0	19.4





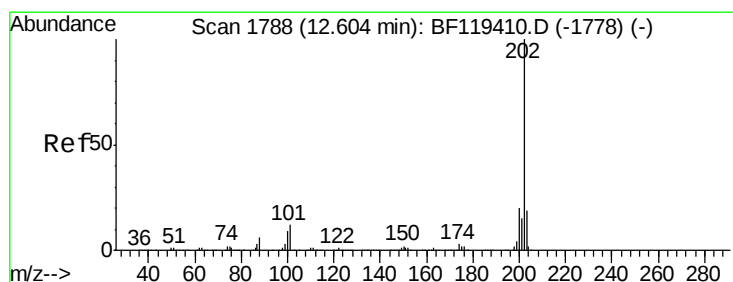
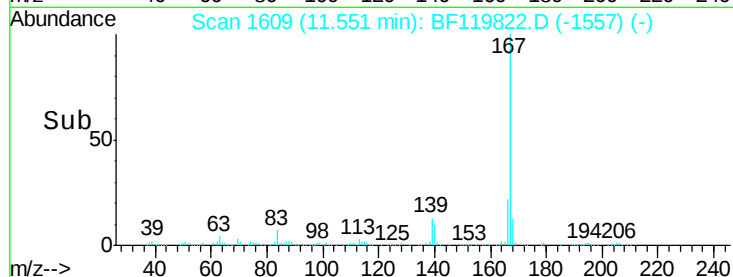
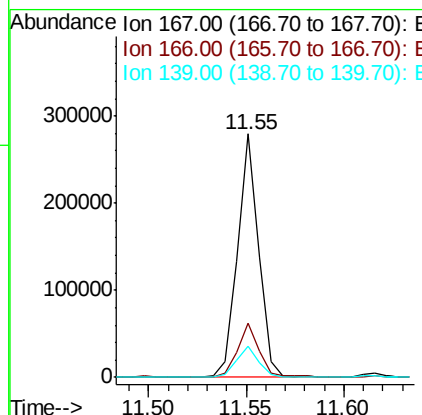
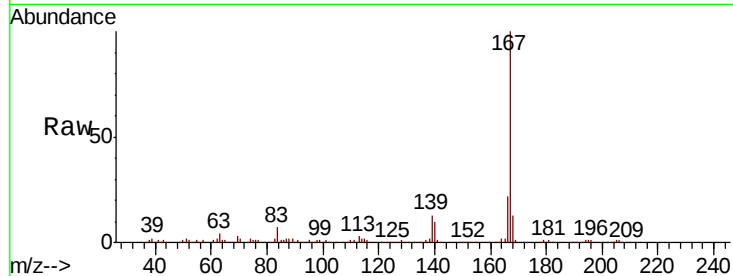
#73
 Carbazole
 Concen: 9.984 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. 0.01 min
 Lab File: BF119822.D
 Acq: 7 Apr 2020 15:15

Instrument :
 BNA_F
 ClientSampled :
 TP-6DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.2	27.4
139	12.9	10.7	16.1

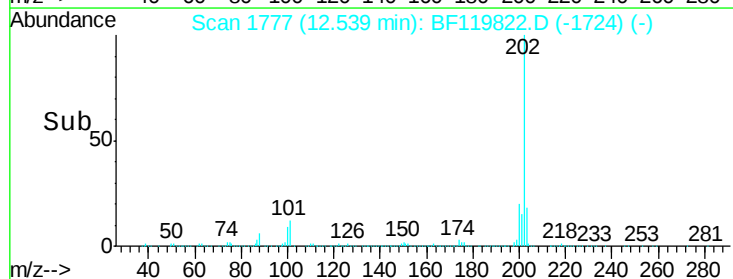
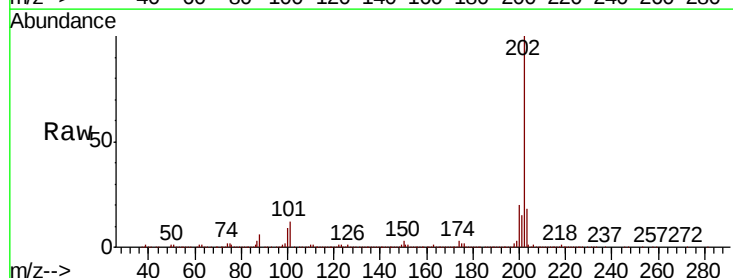
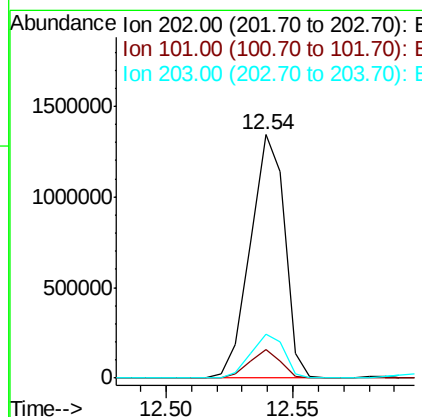
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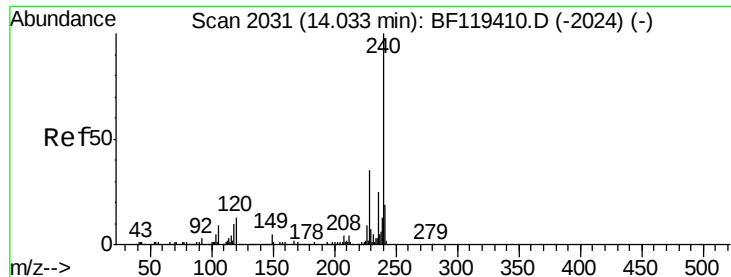
mohammad
 4/8/2020 8:13:15 AM



#75
 Fluoranthene
 Concen: 56.150 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF119822.D
 Acq: 7 Apr 2020 15:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	32.2
203	17.9	0.0	38.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF119822.D

Acq: 7 Apr 2020 15:15

Instrument :

BNA_F

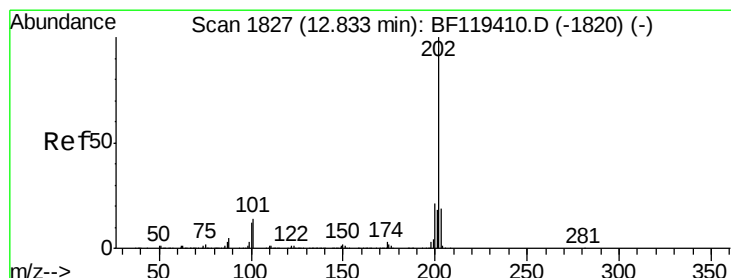
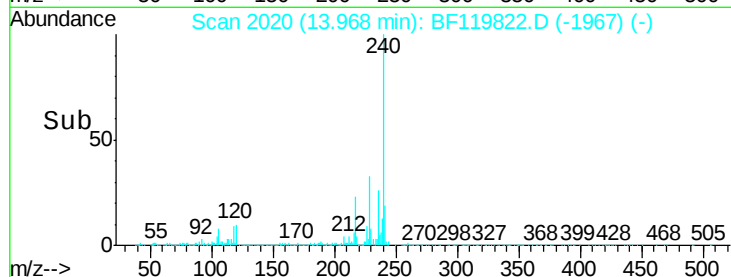
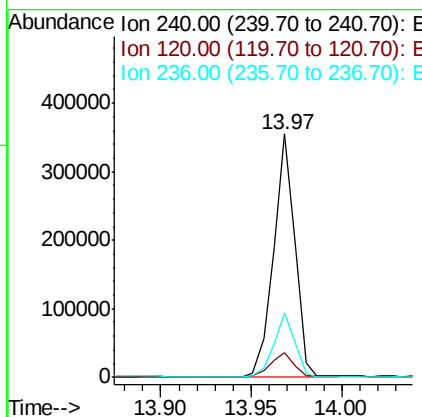
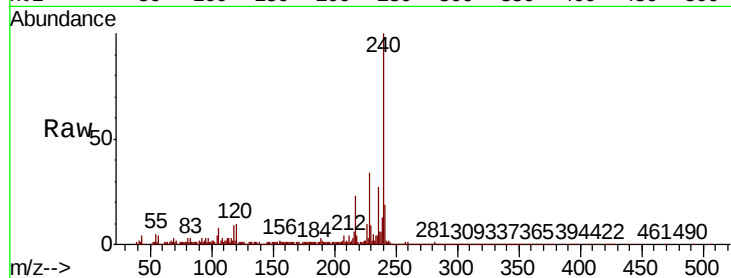
ClientSampleId :

TP-6DL

Tot Ion:	240	Resp:	286724
Ion Ratio	Lower	Upper	
240	100		
120	10.4	10.6	15.8#
236	26.5	20.2	30.2

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#78

Pyrene

Concen: 46.882 ng

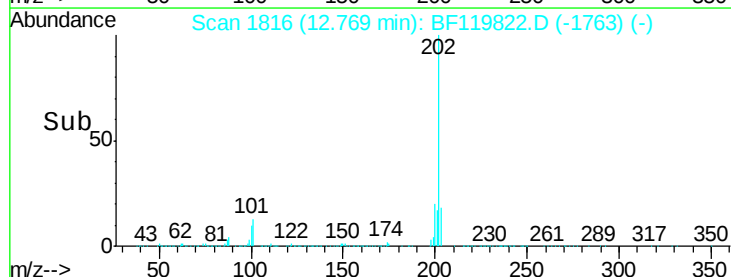
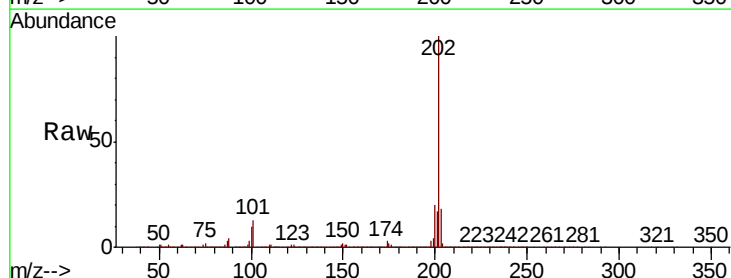
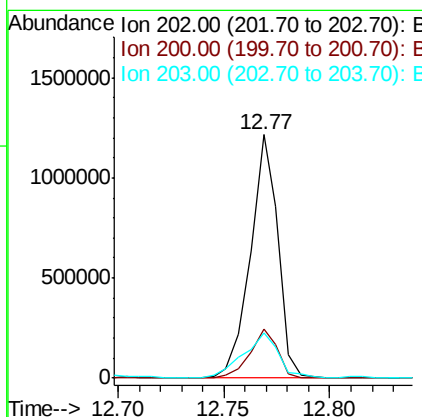
RT: 12.77 min Scan# 1816

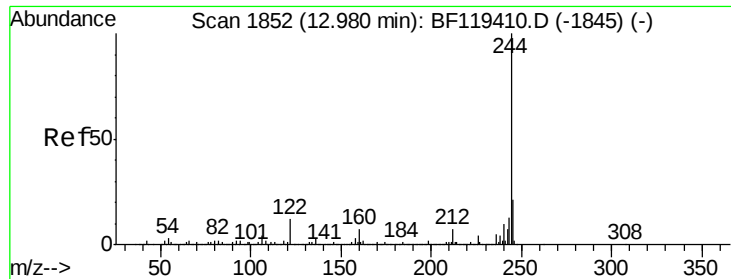
Delta R.T. 0.01 min

Lab File: BF119822.D

Acq: 7 Apr 2020 15:15

Tgt Ion:	202	Resp:	1103190
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.8	25.2
203	18.4	15.1	22.7





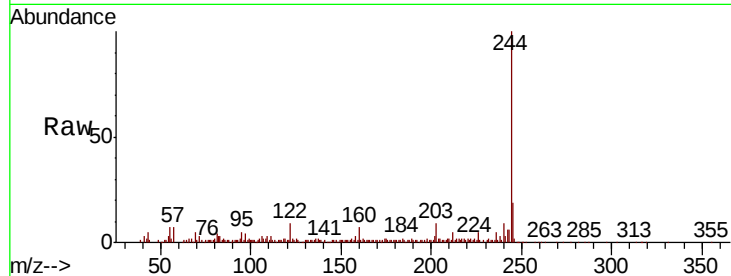
#79
 Terphenyl-d14
 Concen: 6.841 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF119822.D
 Acq: 7 Apr 2020 15:15

Instrument :
 BNA_F
 ClientSampled :
 TP-6DL

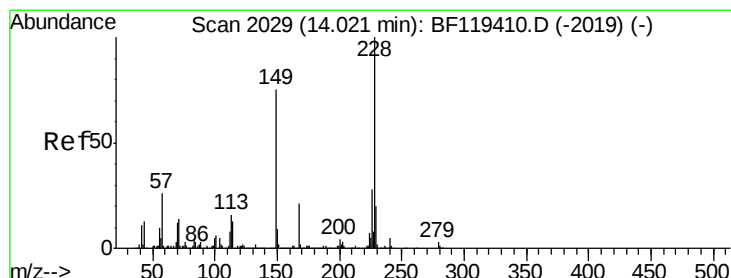
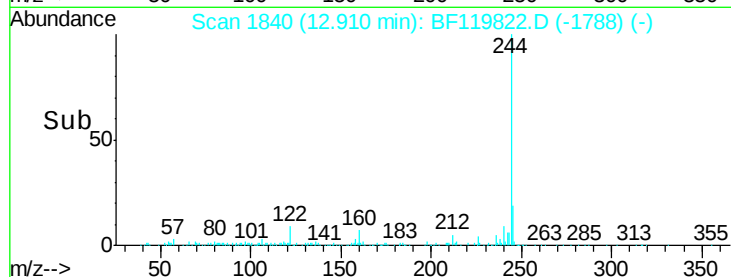
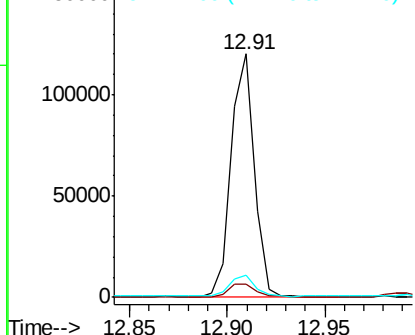
Tot Ion	Ratio	Lower	Upper
244	100		
212	5.4	5.8	8.8#
122	9.0	10.3	15.5#

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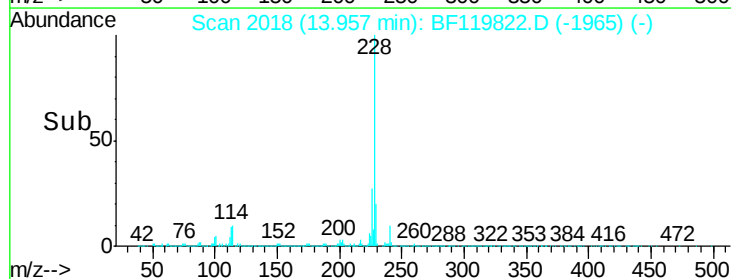
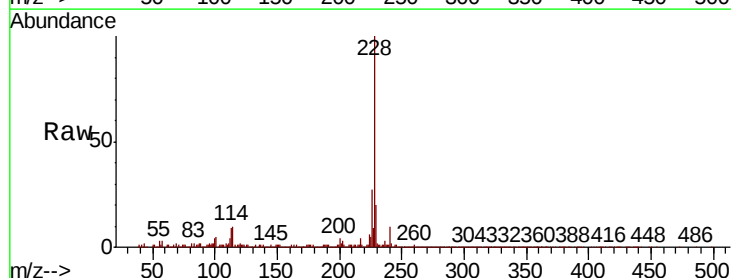
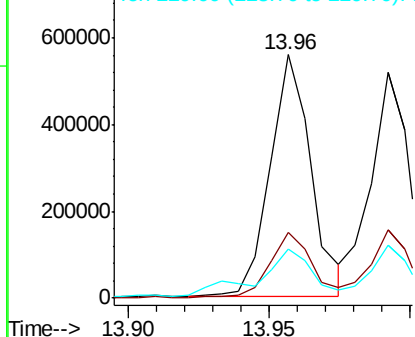
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

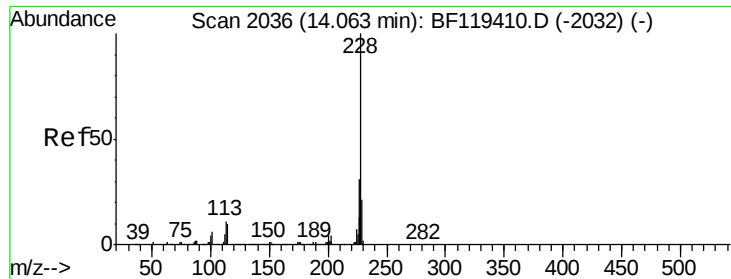


#81
 Benzo(a)anthracene
 Concen: 30.184 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: BF119822.D
 Acq: 7 Apr 2020 15:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	20.0	16.2	24.4

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





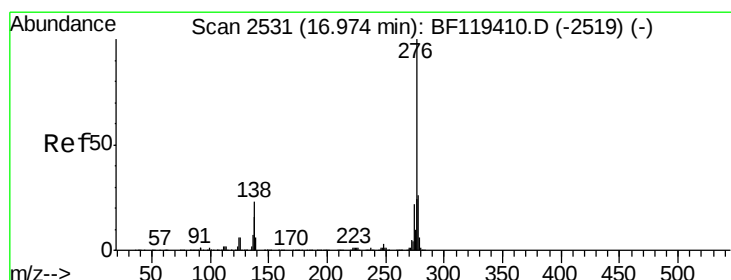
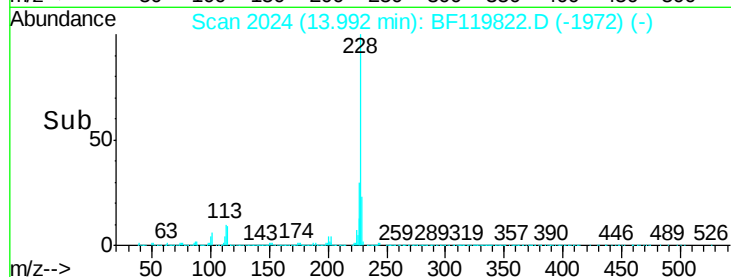
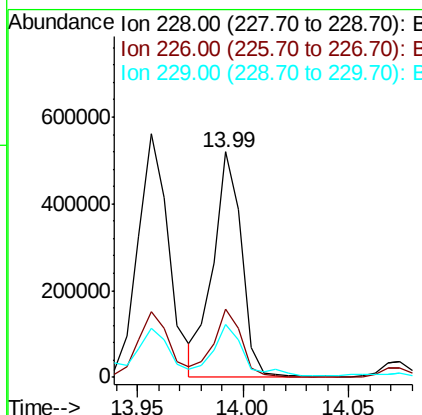
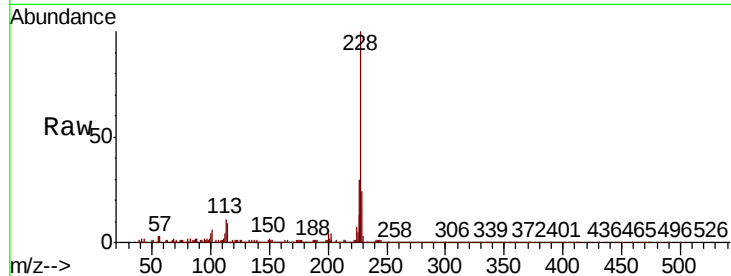
#83
Chrysene
Concen: 25.087 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BF119822.D
Acq: 7 Apr 2020 15:15

Instrument :
BNA_F
ClientSampleId :
TP-6DL

Tot Ion:	228	Resp:	482742
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.4	38.0
229	23.6	16.6	24.8

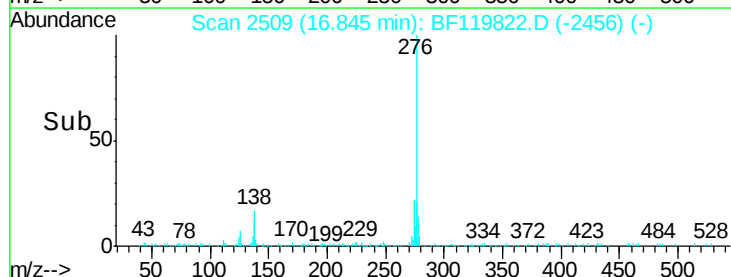
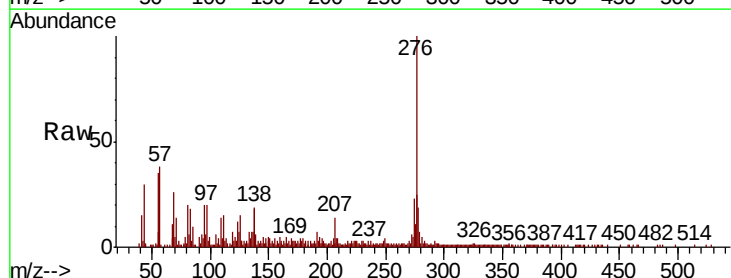
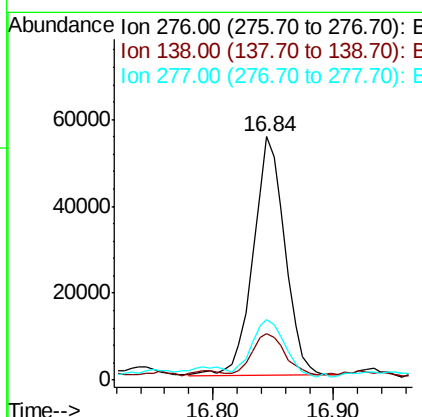
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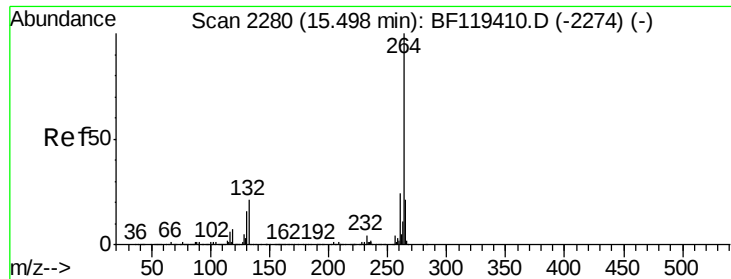
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.499 ng
RT: 16.84 min Scan# 2509
Delta R.T. 0.01 min
Lab File: BF119822.D
Acq: 7 Apr 2020 15:15

Tgt Ion:	276	Resp:	99661
Ion Ratio	Lower	Upper	
276	100		
138	18.6	19.6	29.4#
277	25.0	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. 0.02 min

Lab File: BF119822.D

Acq: 7 Apr 2020 15:15

Instrument :

BNA_F

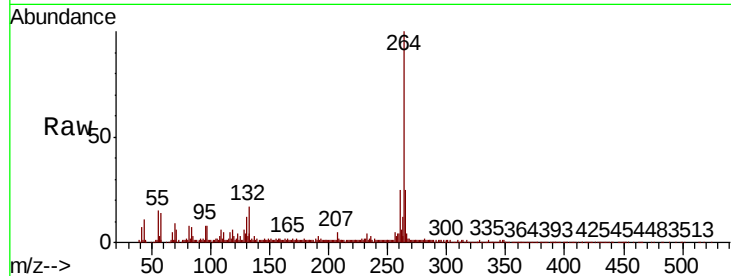
ClientSampleId :

TP-6DL

Tot Ion:	264	Resp:	179674
Ion Ratio	Lower	Upper	
264	100		
260	24.6	18.7	28.1
265	25.1	17.7	26.5

Manual Integrations
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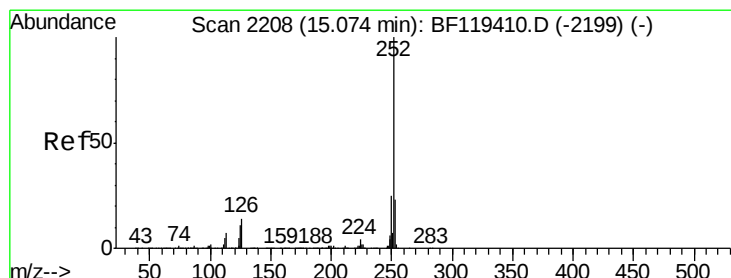
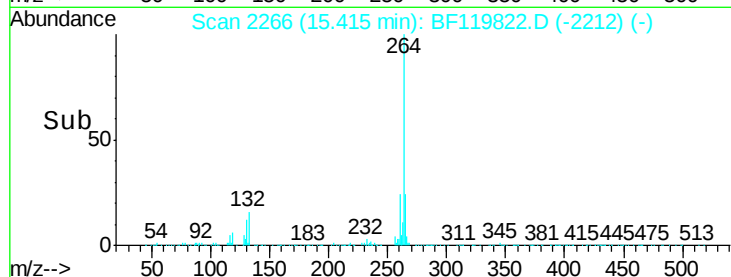
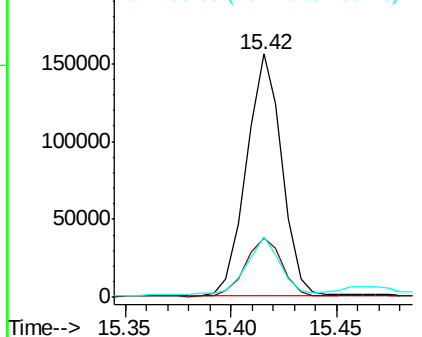


Abundance

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: 28.940 ng m

RT: 15.00 min Scan# 2195

Delta R.T. 0.01 min

Lab File: BF119822.D

Acq: 7 Apr 2020 15:15

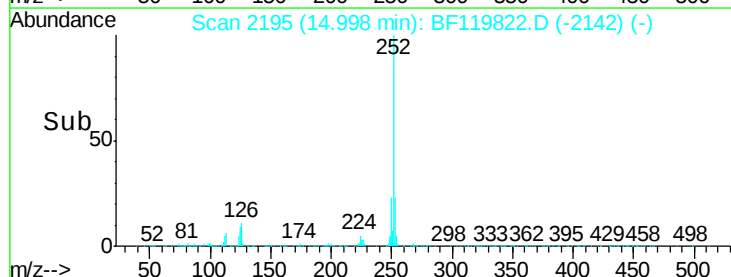
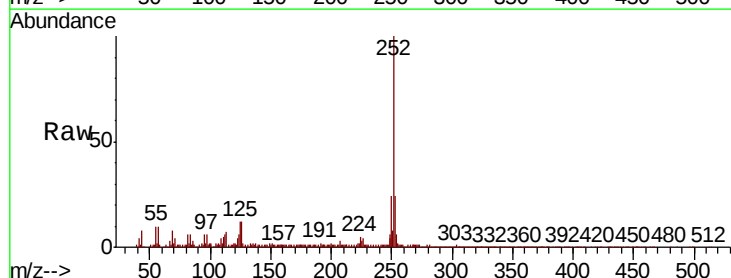
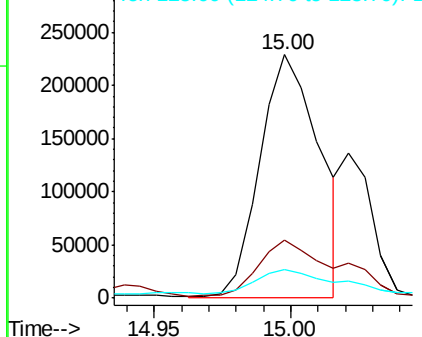
Tgt Ion:	252	Resp:	347348
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.4	26.0
125	11.8	7.9	11.9

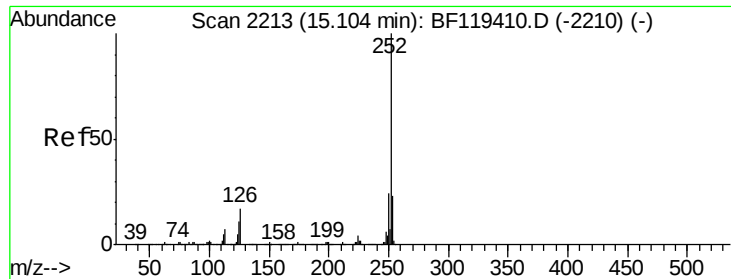
Abundance

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





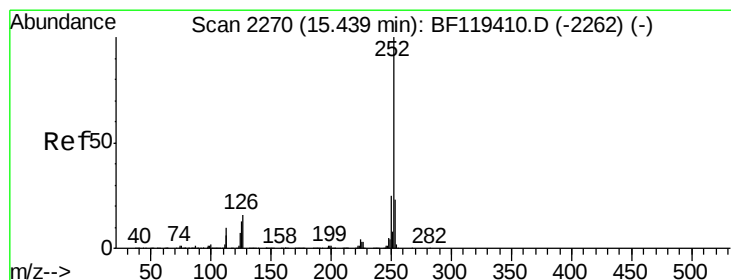
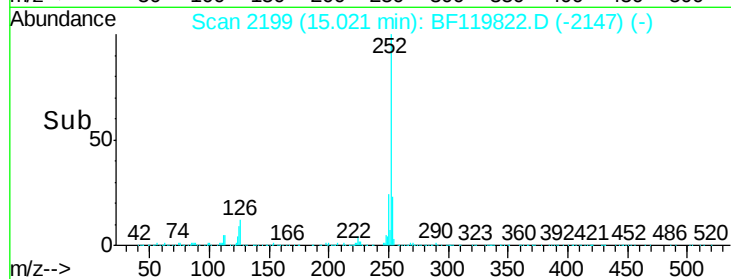
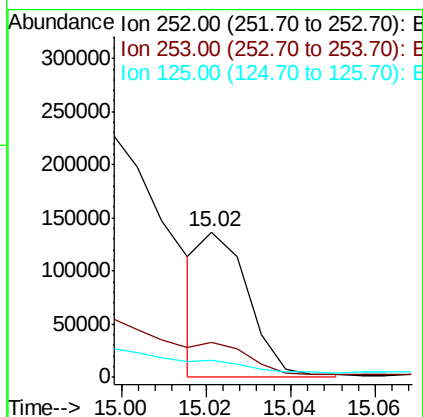
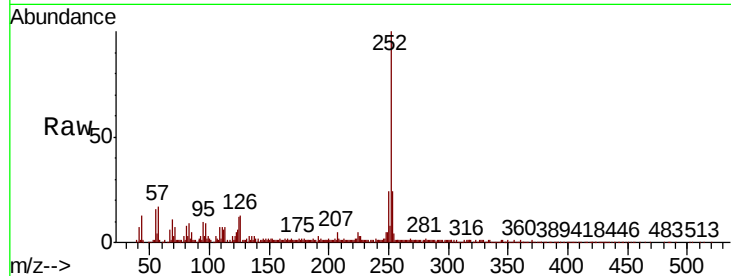
#89
Benzo(k)fluoranthene
Concen: 9.345 ng m
RT: 15.02 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF119822.D
Acq: 7 Apr 2020 15:15

Instrument :
BNA_F
ClientSampleId :
TP-6DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	12.2	8.4	12.6

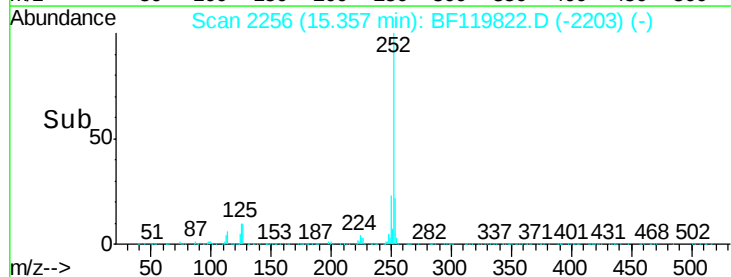
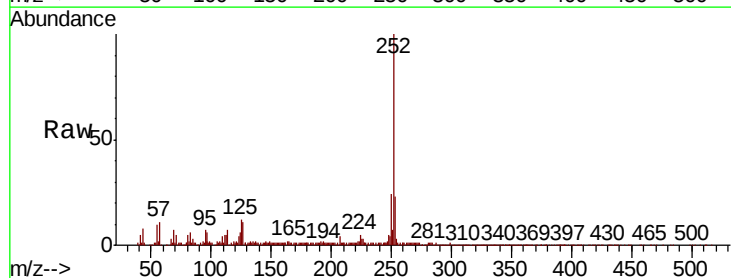
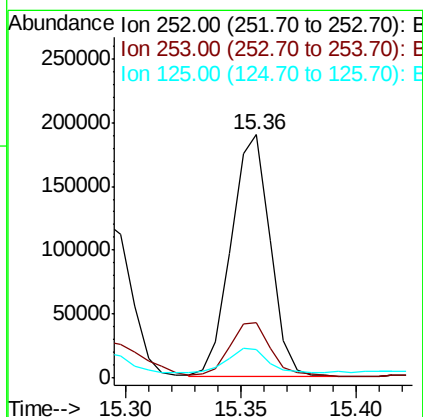
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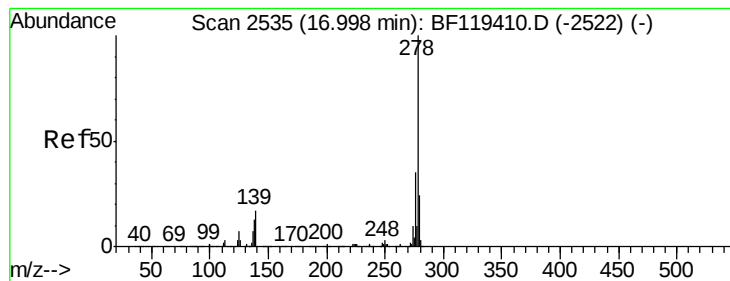
mohammad
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#90
Benzo(a)pyrene
Concen: 20.580 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.01 min
Lab File: BF119822.D
Acq: 7 Apr 2020 15:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	11.9	9.4	14.2





#91

Dibenzo(a,h)anthracene

Concen: 3.320 ng

RT: 16.86 min Scan# 2511

Delta R.T. 0.01 min

Lab File: BF119822.D

Acq: 7 Apr 2020 15:15

Instrument :

BNA_F

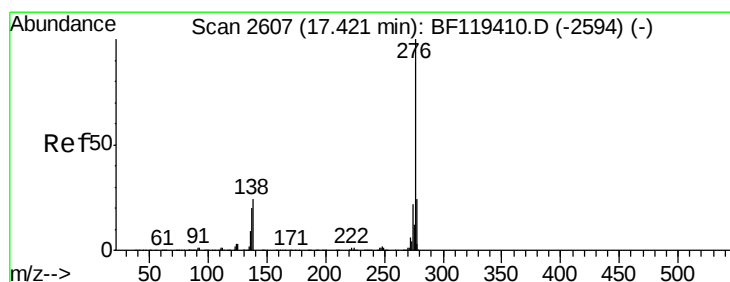
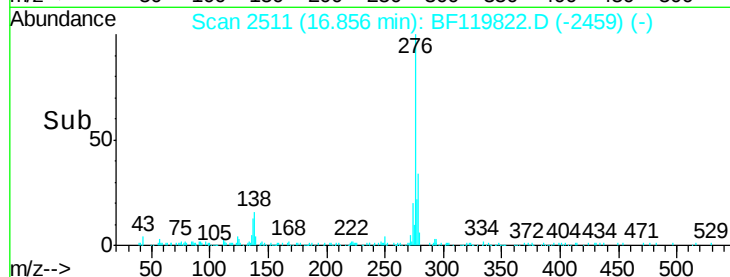
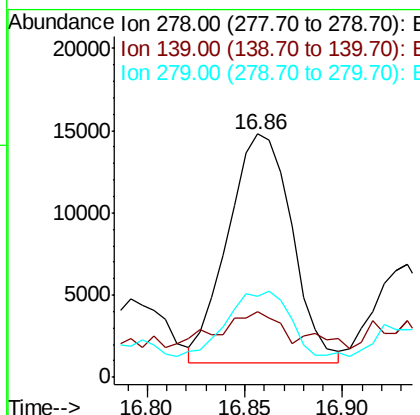
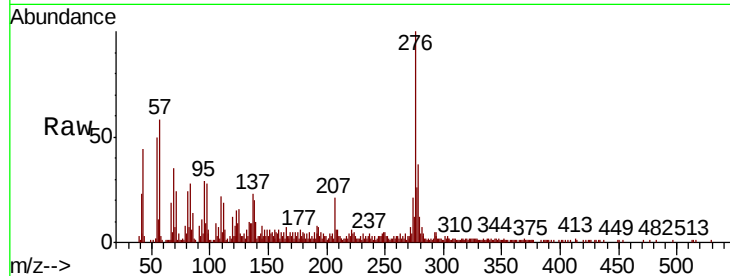
ClientSampleId :

TP-6DL

Tot Ion:278	Resp:	31672
Ion Ratio	Lower	Upper
278	100	
139	26.9	12.6 19.0#
279	33.3	19.0 28.6#

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 9.202 ng

RT: 17.28 min Scan# 2583

Delta R.T. 0.01 min

Lab File: BF119822.D

Acq: 7 Apr 2020 15:15

Tgt Ion:276	Resp:	88192
Ion Ratio	Lower	Upper
276	100	
277	20.5	18.4 27.6
138	16.8	15.4 23.0

