

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
 Data File : BF120040.D
 Acq On : 16 Apr 2020 17:04
 Operator : MA/SJ
 Sample : L2230-63 5X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-25-31-39

Manual Integrations
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mohammad
 4/17/2020 1:48:39 PM

Quant Time: Apr 17 03:55:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 16 10:48:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	128685	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	487192	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	221156	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	333957	20.00	ng	0.00
76) Chrysene-d12	13.89	240	266205	20.00	ng	0.00
87) Perylene-d12	15.32	264	231190	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	195506	26.26	ng	0.00
7) Phenol-d6	6.36	99	245715	25.61	ng	0.00
23) Nitrobenzene-d5	7.29	82	146612	15.57	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	43757	16.16	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	288456	18.52	ng	0.00
79) Terphenyl-d14	12.84	244	245897	15.54	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.03	128	164501	6.418	ng	98
37) 2-Methylnaphthalene	8.72	142	36062	2.075	ng	99
50) Dimethylphthalate	9.48	163	40713	2.380	ng	98
52) Acenaphthene	9.80	154	33031	2.264	ng	99
55) Dibenzofuran	9.97	168	59489	2.972	ng	98
58) Fluorene	10.31	166	55827	3.487	ng	99
71) Phenanthrene	11.27	178	571262	32.141	ng	99
72) Anthracene	11.33	178	106755	5.880	ng	98
73) Carbazole	11.48	167	61279	3.569	ng	96
75) Fluoranthene	12.47	202	700531	36.529	ng	97
78) Pyrene	12.69	202	637237	28.395	ng	99
81) Benzo(a)anthracene	13.88	228	347063	19.818	ng	98
83) Chrysene	13.92	228	333843	18.761	ng	97
86) Indeno(1,2,3-cd)pyrene	16.70	276	129071	8.229	ng	98
88) Benzo(b)fluoranthene	14.92	252	351405m	21.129	ng	
89) Benzo(k)fluoranthene	14.94	252	124120m	8.650	ng	
90) Benzo(a)pyrene	15.26	252	244791	17.506	ng	# 98
91) Dibenzo(a,h)anthracene	16.72	278	33478	2.703	ng	# 89
92) Benzo(a,h,i)perylene	17.12	276	115359	9.435	ng	96

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

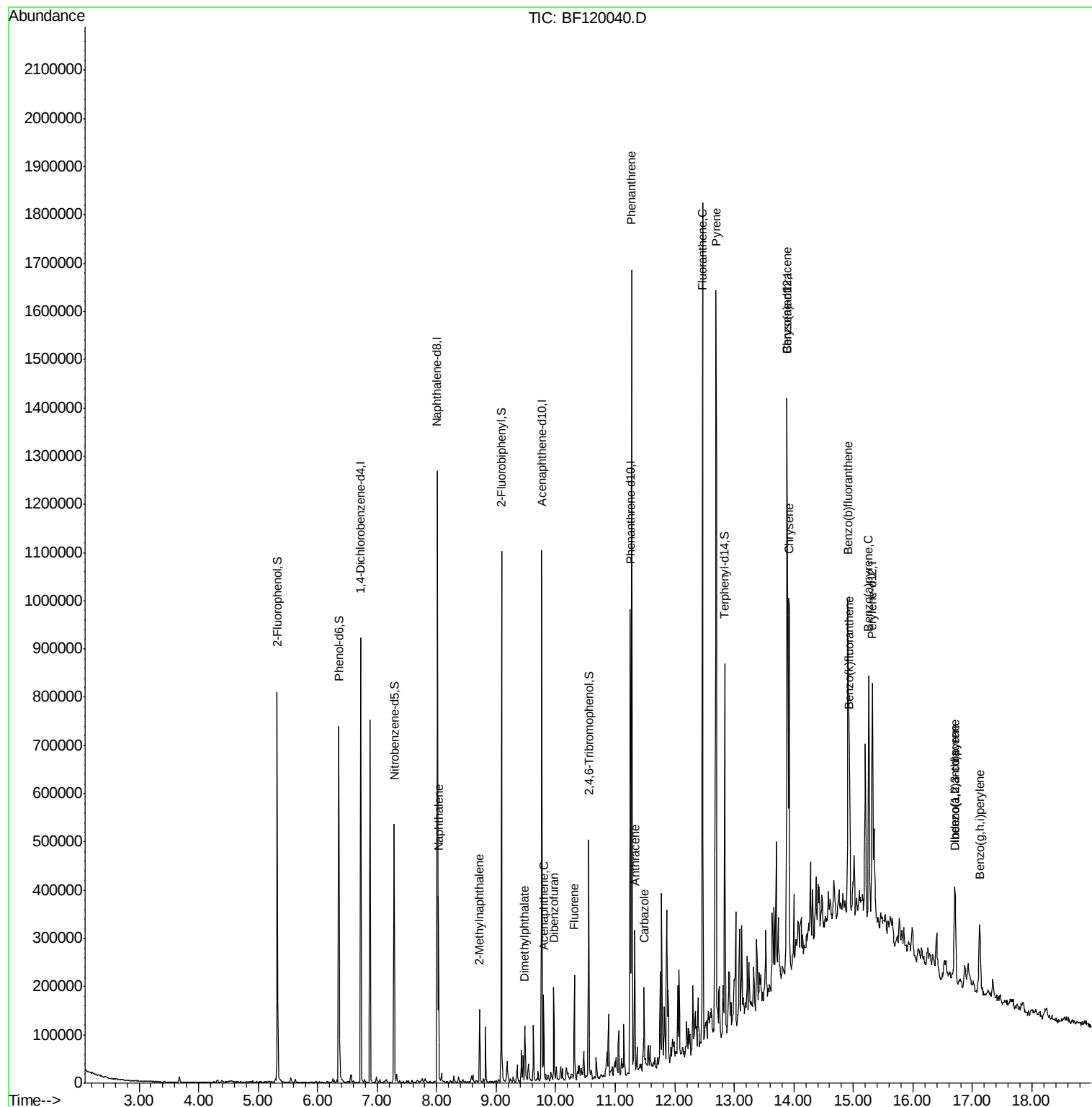
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#1

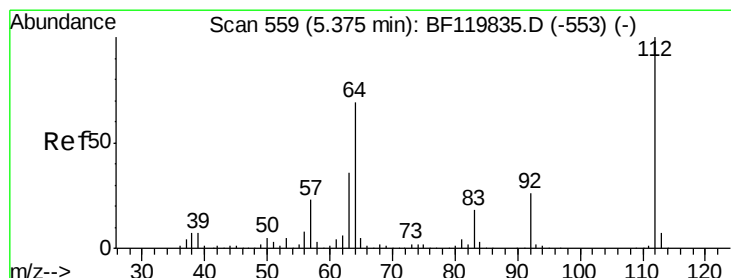
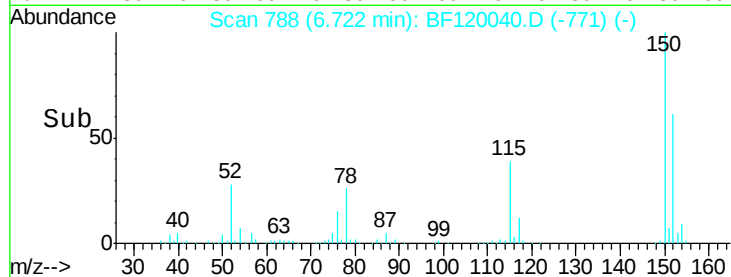
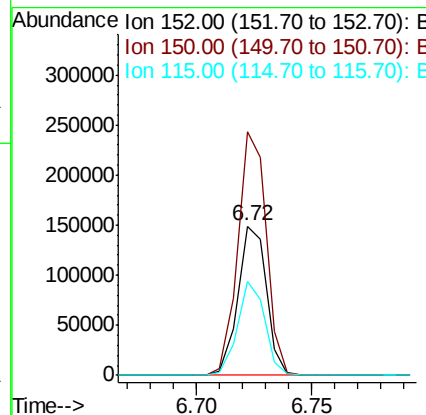
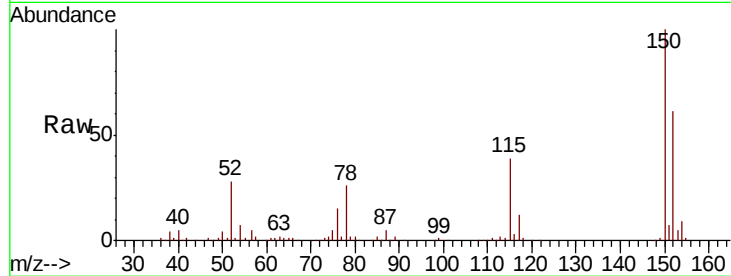
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF120040.D
Acq: 16 Apr 2020 17:04

Instrument :
BNA_F
ClientSampleId :
TP-25-31-39

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.0	124.8	187.2
115	62.9	46.5	69.7

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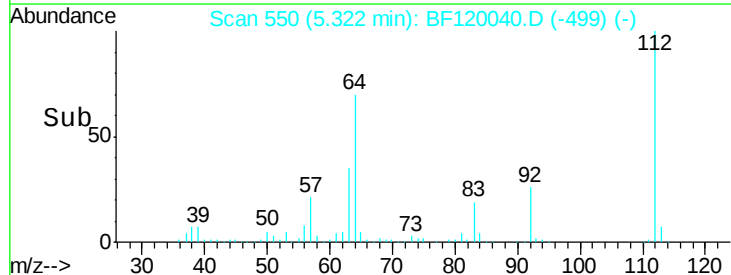
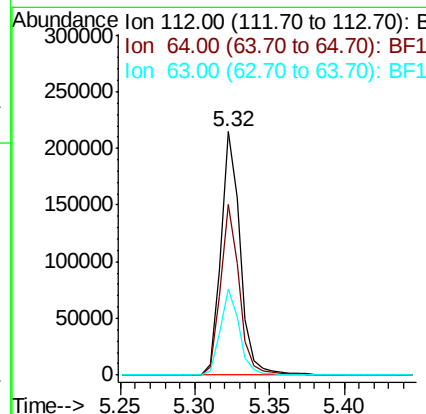
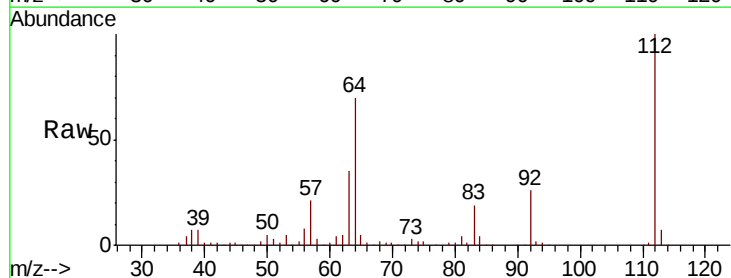
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#5

2-Fluorophenol
Concen: 26.256 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF120040.D
Acq: 16 Apr 2020 17:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.0	55.5	83.3
63	35.2	29.1	43.7





#7

Phenol-d6

Concen: 25.609 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

Instrument :

BNA_F

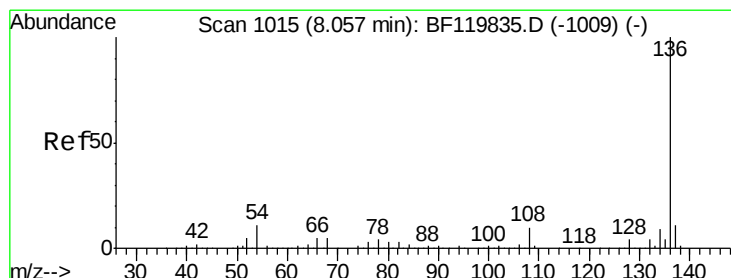
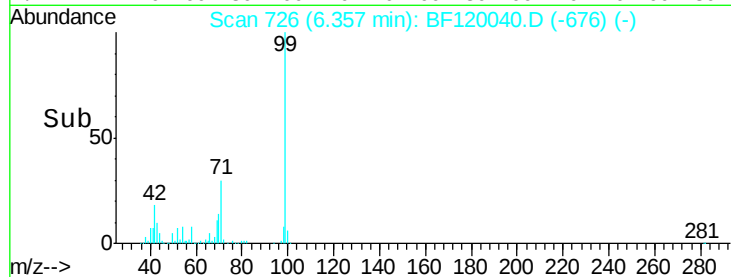
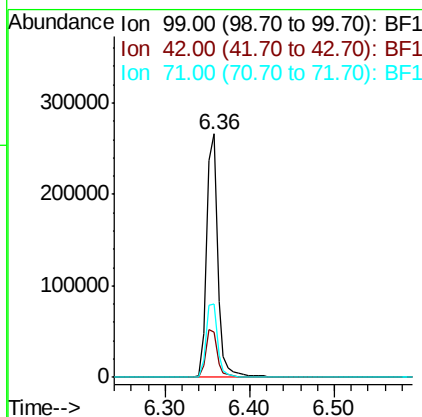
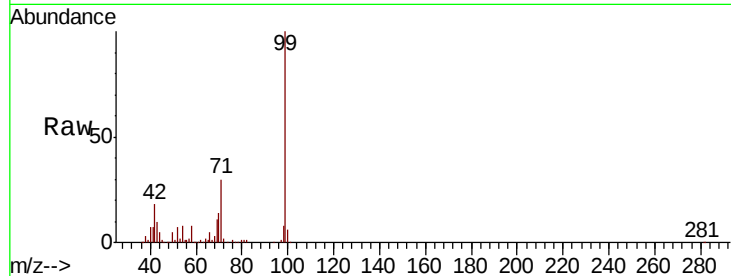
ClientSampleId :

TP-25-31-39

Tot Ion:	99	Resp:	245715
Ion Ratio	Lower	Upper	
99	100		
42	18.4	16.9	25.3
71	30.3	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.000 ng

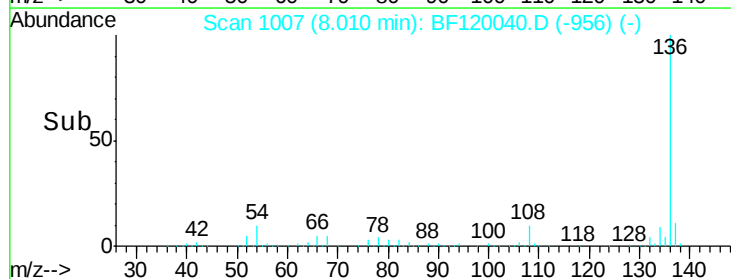
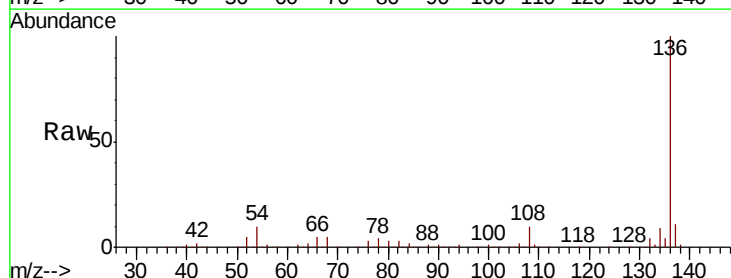
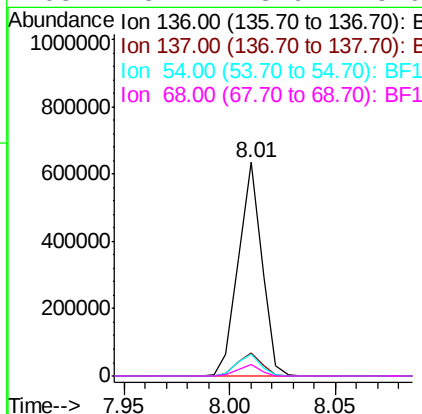
RT: 8.01 min Scan# 1007

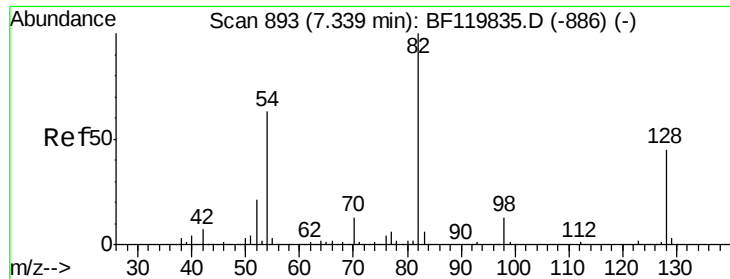
Delta R.T. 0.00 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

Tgt Ion:	136	Resp:	487192
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.7	13.1
54	10.0	8.5	12.7
68	5.1	3.9	5.9





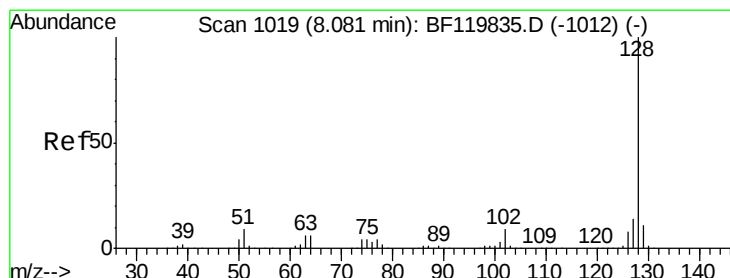
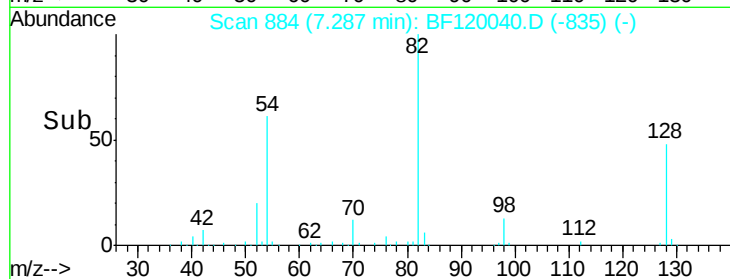
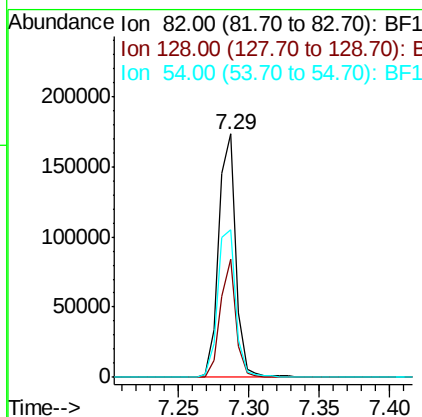
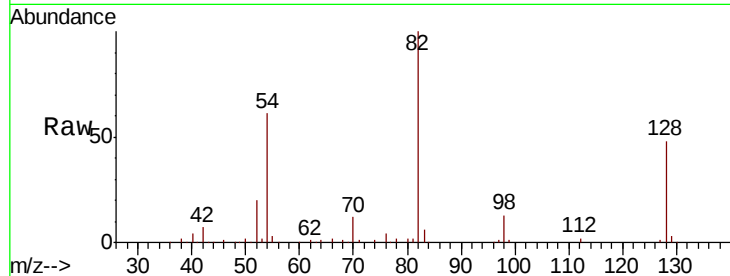
#23
Nitrobenzene-d5
Concen: 15.568 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF120040.D
Acq: 16 Apr 2020 17:04

Instrument :
BNA_F
ClientSampleId :
TP-25-31-39

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.3	36.2	54.4
54	60.9	50.4	75.6

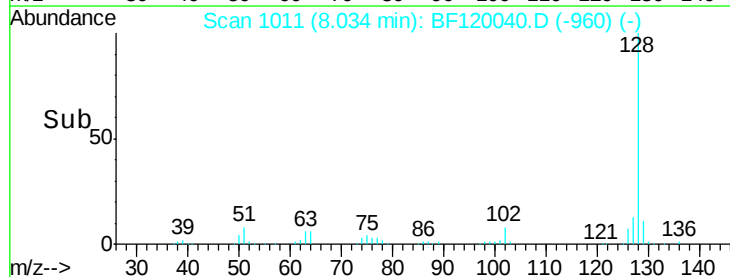
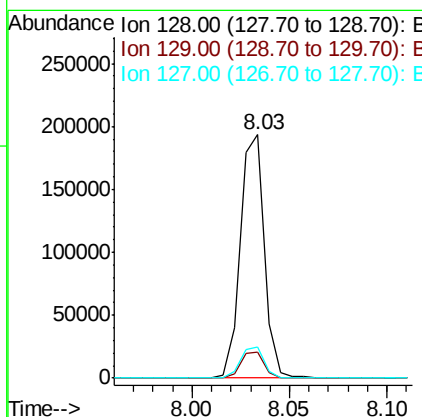
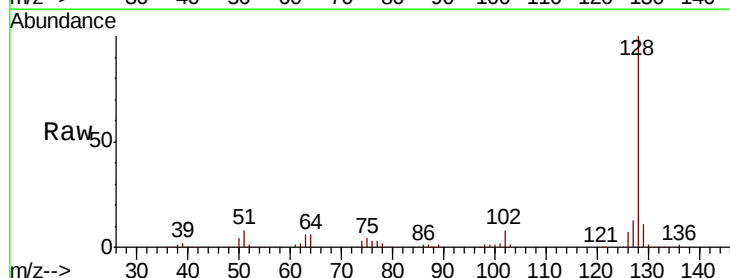
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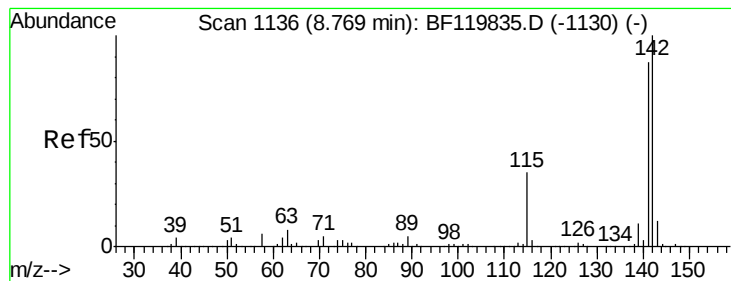
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#31
Naphthalene
Concen: 6.418 ng
RT: 8.03 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF120040.D
Acq: 16 Apr 2020 17:04

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	12.8	11.0	16.4





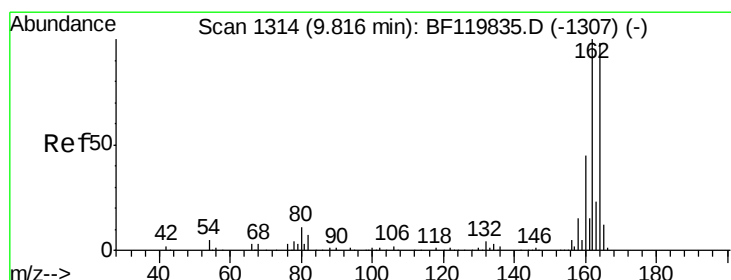
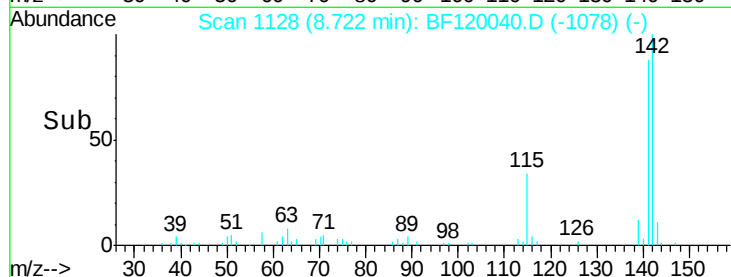
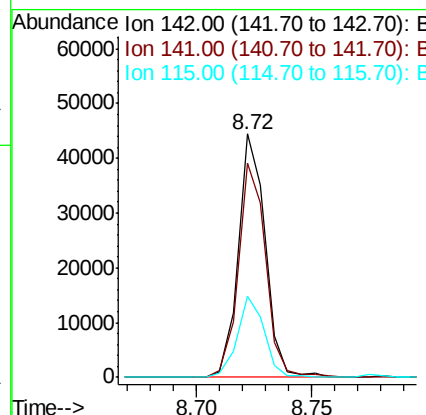
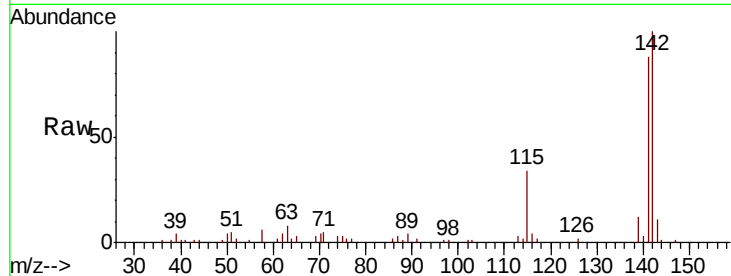
#37
2-Methylnaphthalene
Concen: 2.075 ng
RT: 8.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF120040.D
Acq: 16 Apr 2020 17:04

Instrument :
BNA_F
ClientSampleId :
TP-25-31-39

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.1	69.9	104.9
115	33.5	28.0	42.0

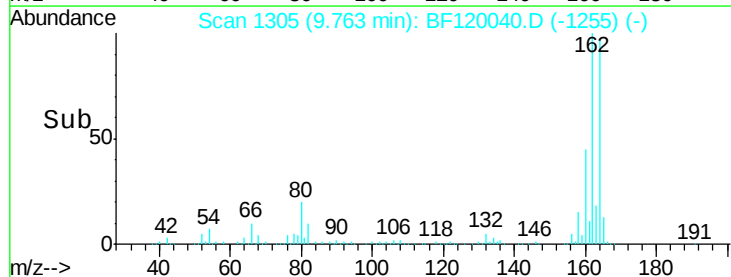
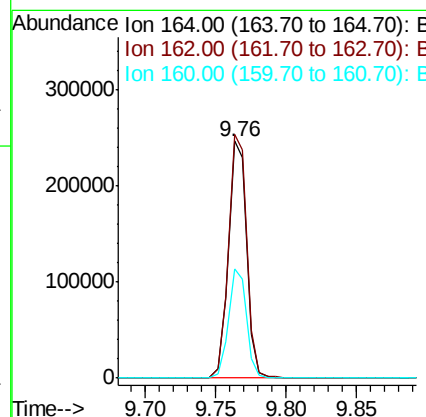
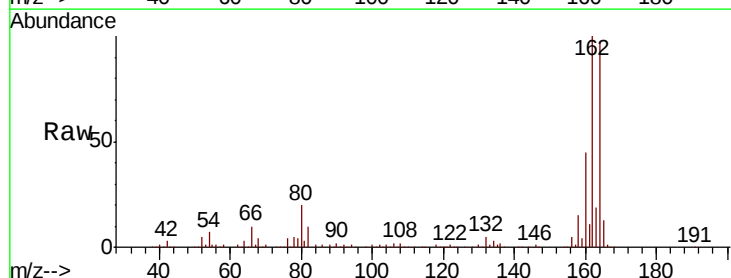
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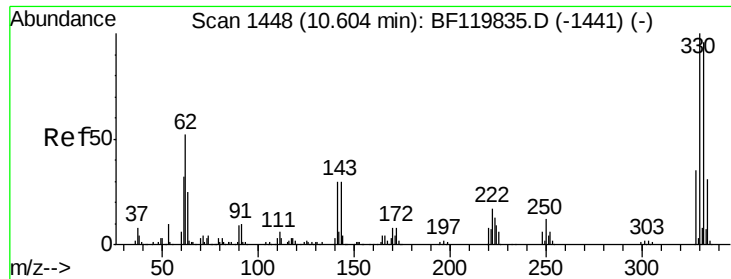
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF120040.D
Acq: 16 Apr 2020 17:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.9	122.9
160	45.9	36.6	54.8





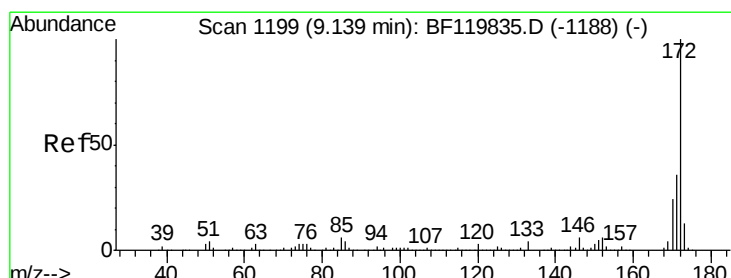
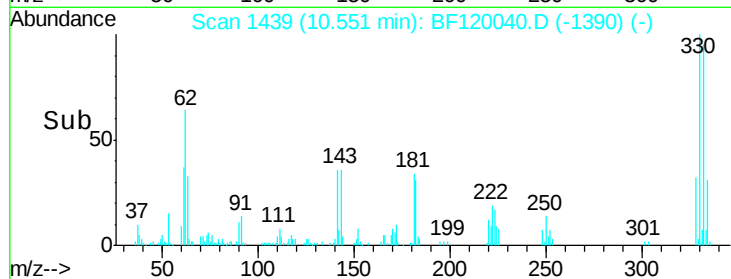
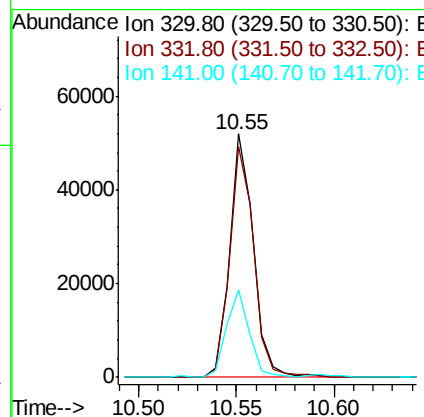
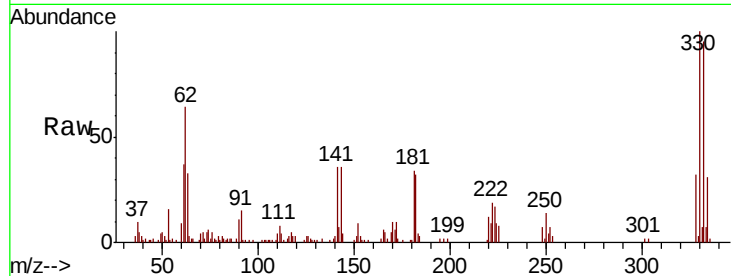
#42
 2,4,6-Tribromophenol
 Concen: 16.160 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF120040.D
 Acq: 16 Apr 2020 17:04

Instrument :
 BNA_F
 ClientSampleId :
 TP-25-31-39

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.8	115.2
141	35.2	25.1	37.7

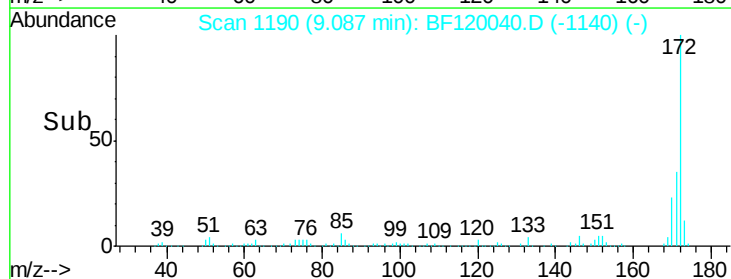
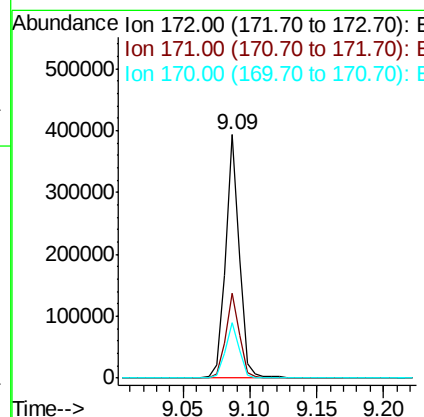
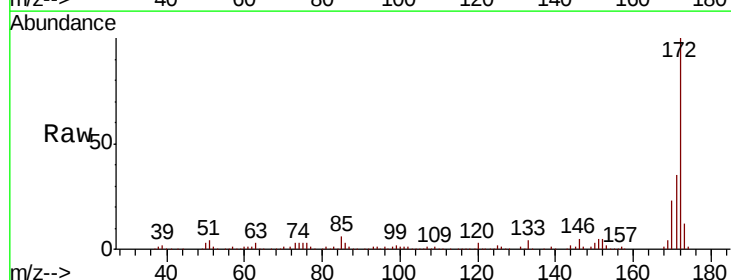
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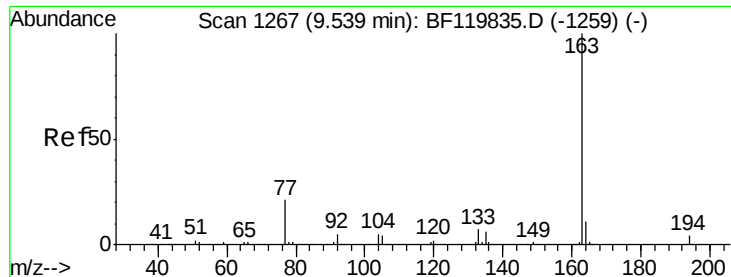
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#45
 2-Fluorobiphenyl
 Concen: 18.518 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF120040.D
 Acq: 16 Apr 2020 17:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.9	43.3
170	23.0	19.4	29.2





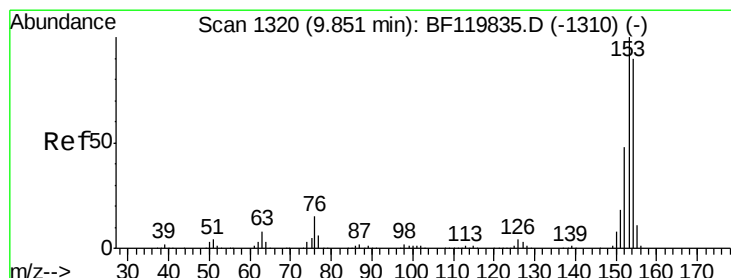
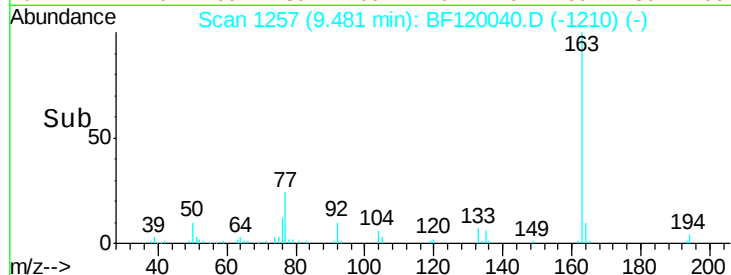
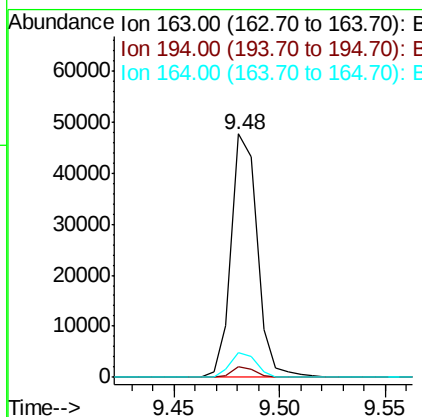
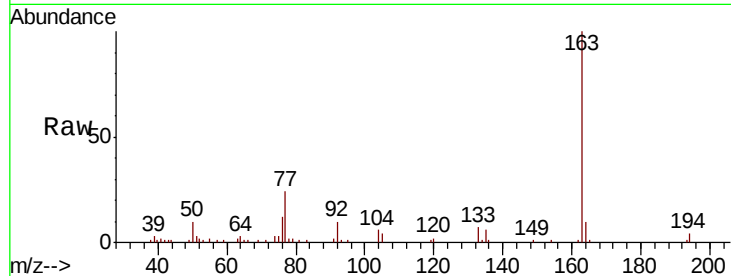
#50
Dimethylphthalate
Concen: 2.380 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF120040.D
Acq: 16 Apr 2020 17:04

Instrument :
BNA_F
ClientSampleId :
TP-25-31-39

Tot Ion	Ratio	Resp	Lower	Upper
163	100	40713		
194	4.2		3.0	4.4
164	9.9		8.4	12.6

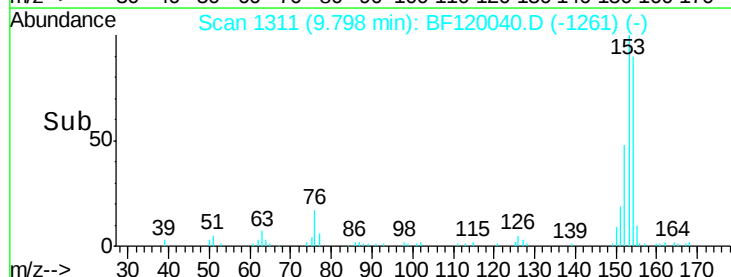
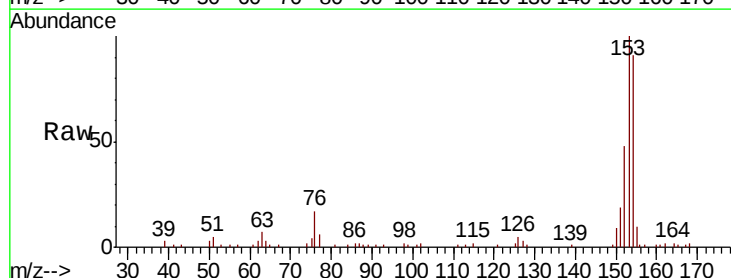
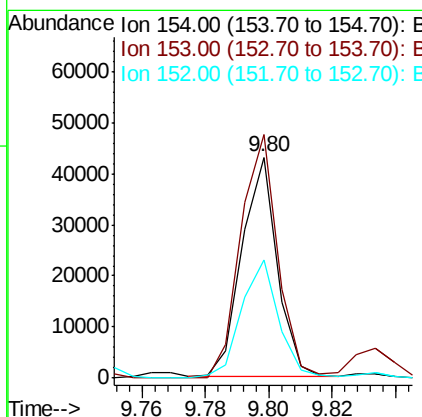
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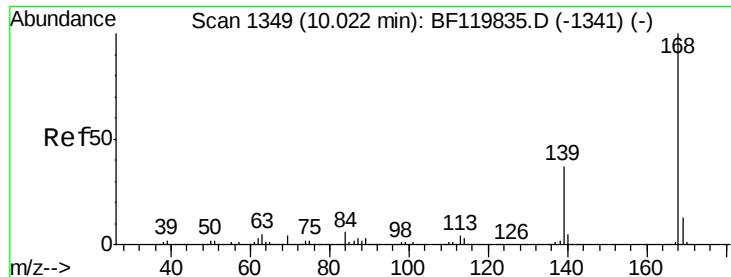
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#52
Acenaphthene
Concen: 2.264 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF120040.D
Acq: 16 Apr 2020 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	33031		
153	110.2		88.8	133.2
152	53.2		42.4	63.6





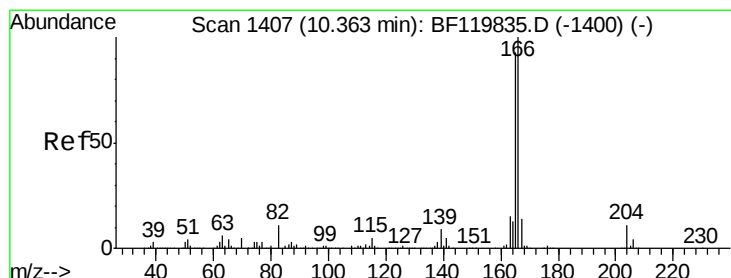
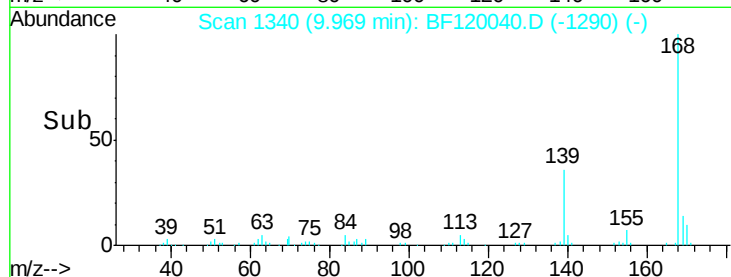
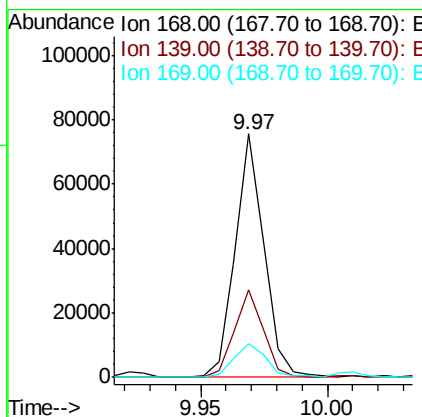
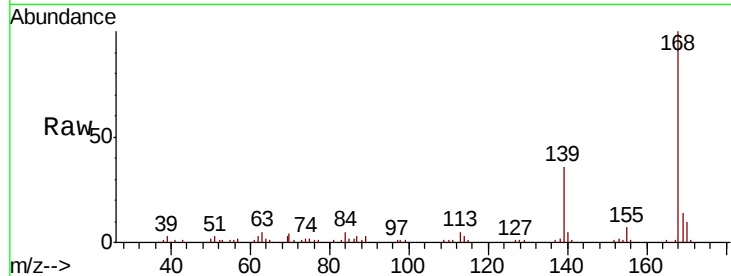
#55
Dibenzenofuran
Concen: 2.972 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF120040.D
Acq: 16 Apr 2020 17:04

Instrument :
BNA_F
ClientSampleId :
TP-25-31-39

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.2	29.8	44.6
169	14.0	10.6	15.8

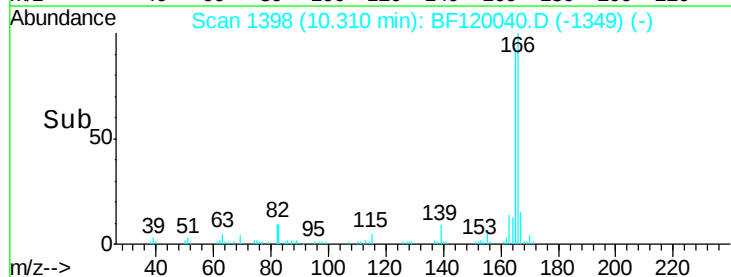
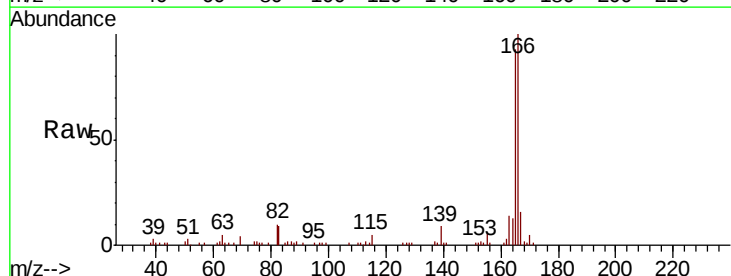
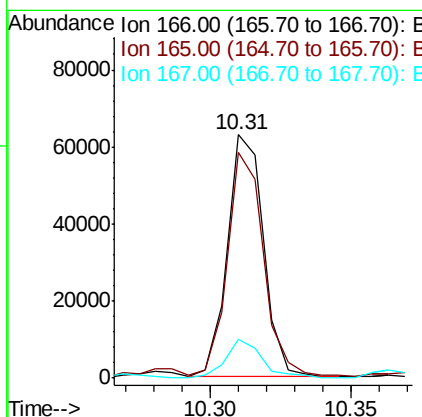
Manual Integrations
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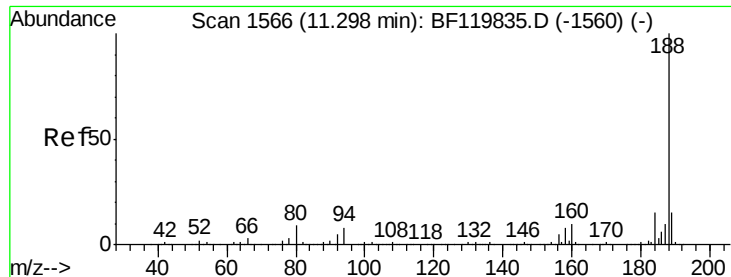
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#58
Fluorene
Concen: 3.487 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF120040.D
Acq: 16 Apr 2020 17:04

Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.9	74.2	111.2
167	16.0	10.8	16.2





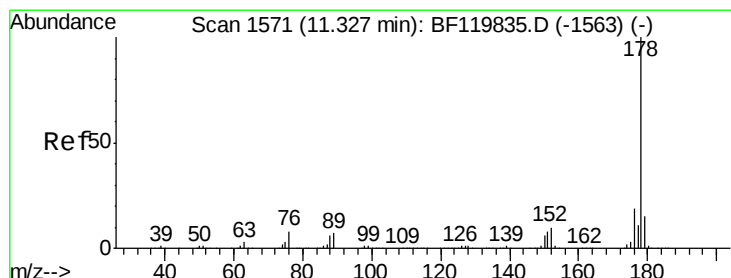
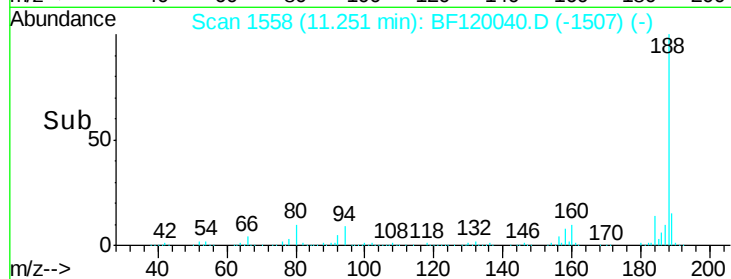
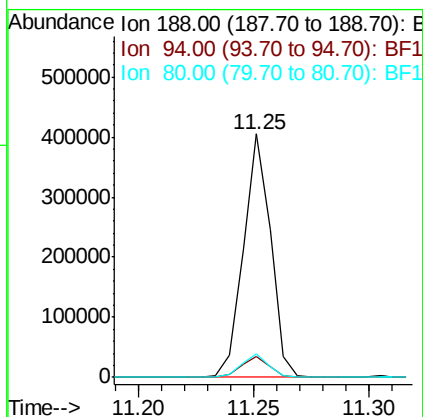
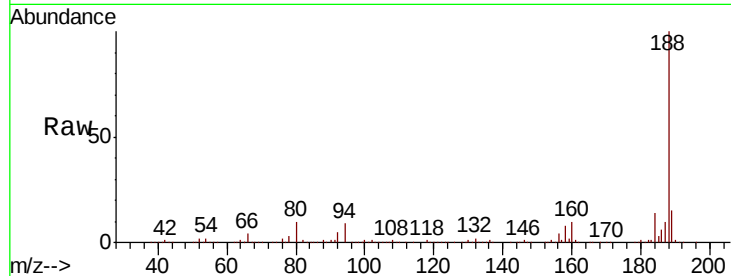
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF120040.D
Acq: 16 Apr 2020 17:04

Instrument :
BNA_F
ClientSampleId :
TP-25-31-39

Tot Ion	Ratio	Resp	Lower	Upper
188	100	333957		
94	8.6	6.7	10.1	
80	9.6	7.4	11.2	

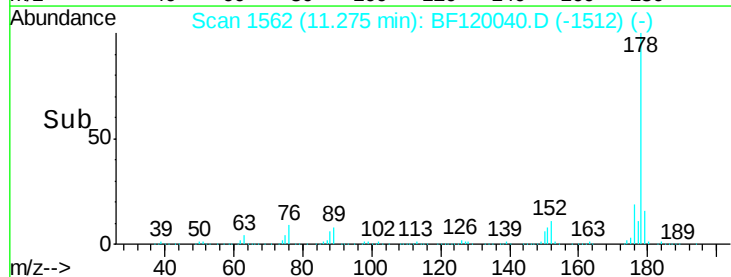
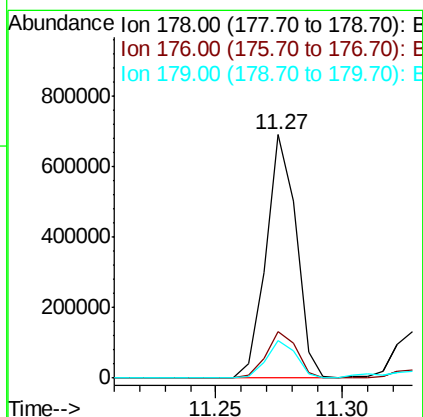
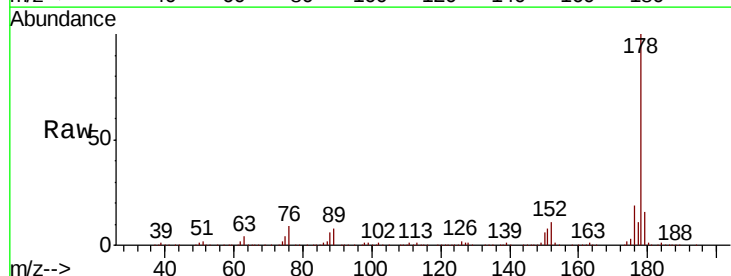
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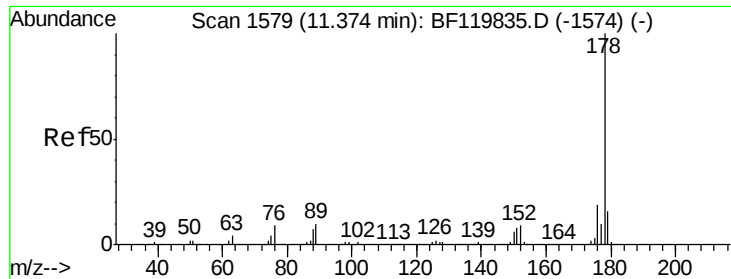
mohammad
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#71
Phenanthrene
Concen: 32.141 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF120040.D
Acq: 16 Apr 2020 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	571262		
176	19.2	15.1	22.7	
179	15.6	12.2	18.4	





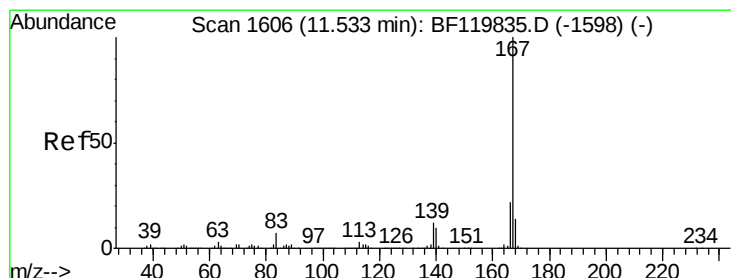
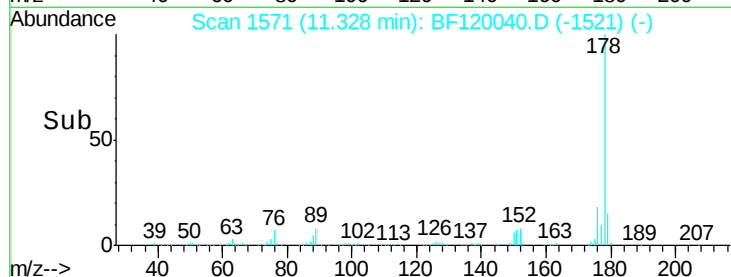
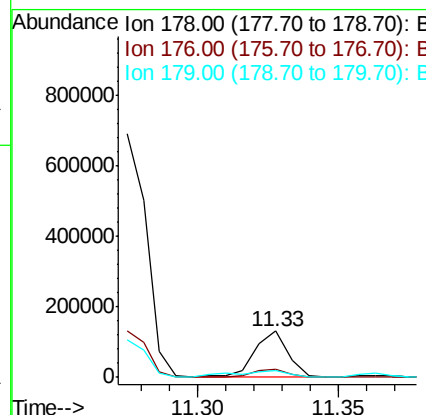
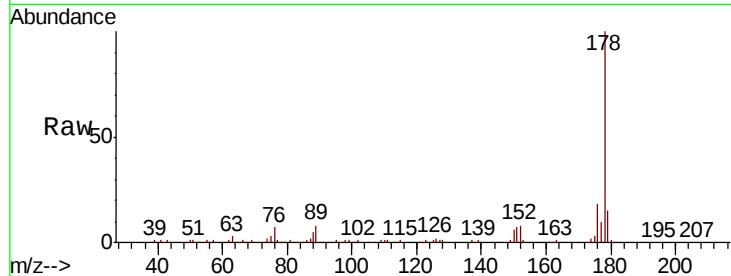
#72
 Anthracene
 Concen: 5.880 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF120040.D
 Acq: 16 Apr 2020 17:04

Instrument :
 BNA_F
 ClientSampleId :
 TP-25-31-39

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	15.5	12.8	19.2

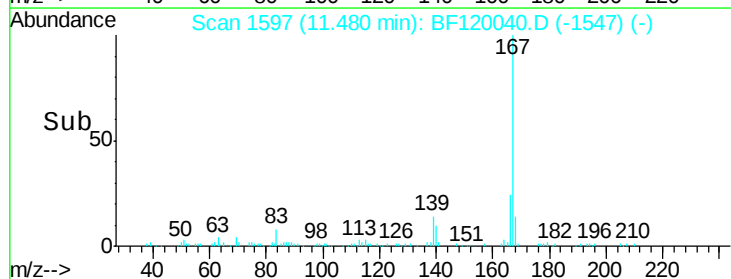
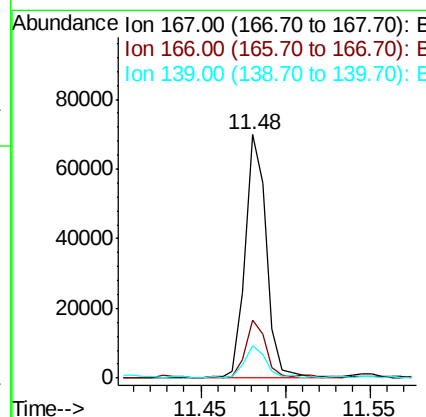
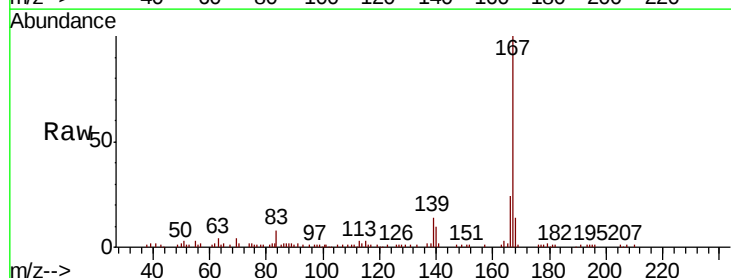
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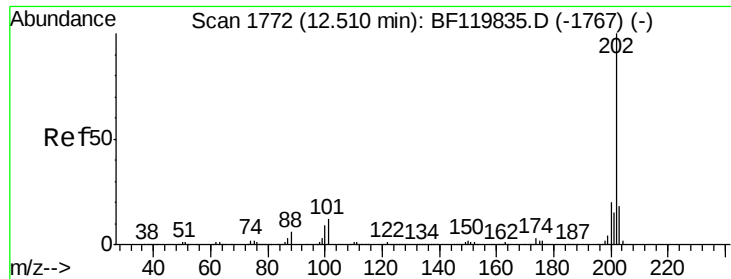
mohammad
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#73
 Carbazole
 Concen: 3.569 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF120040.D
 Acq: 16 Apr 2020 17:04

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.9	17.4	26.0
139	13.5	9.8	14.8





#75

Fluoranthene

Concen: 36.529 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

Instrument :

BNA_F

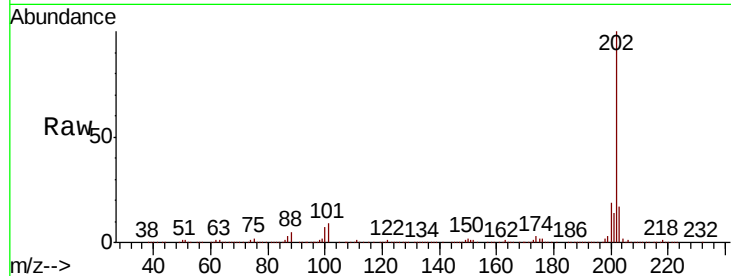
ClientSampled :

TP-25-31-39

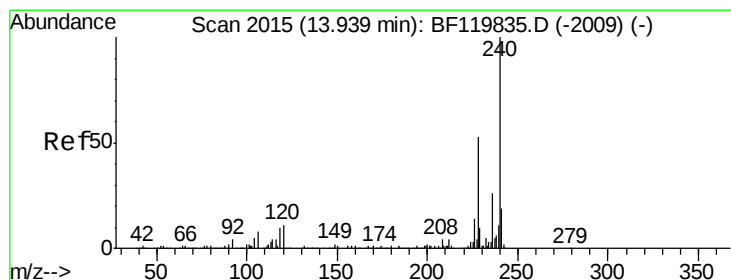
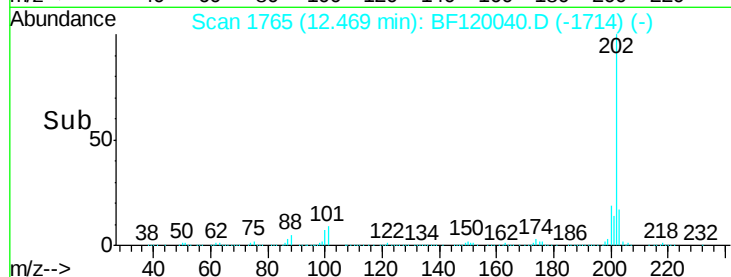
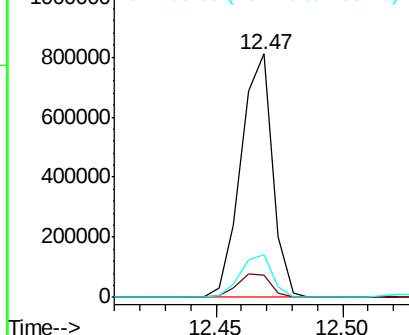
Tot Ion:	202	Resp:	700531
Ion Ratio	Lower	Upper	
202	100		
101	9.2	0.0	32.3
203	17.5	0.0	37.6

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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

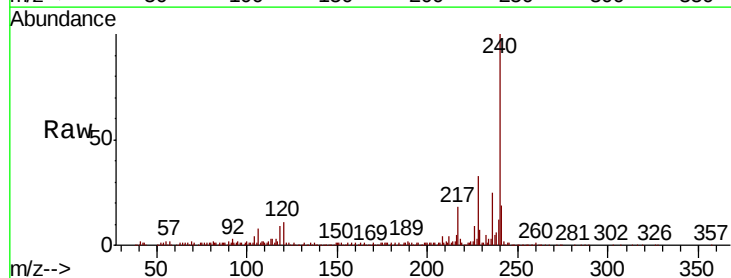
RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

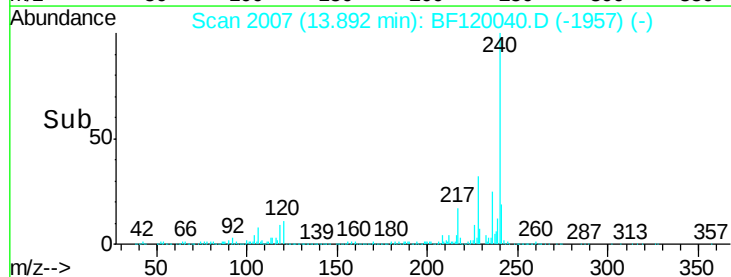
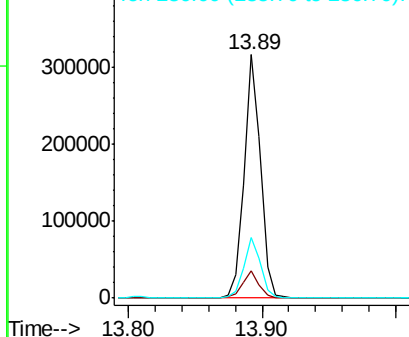
Lab File: BF120040.D

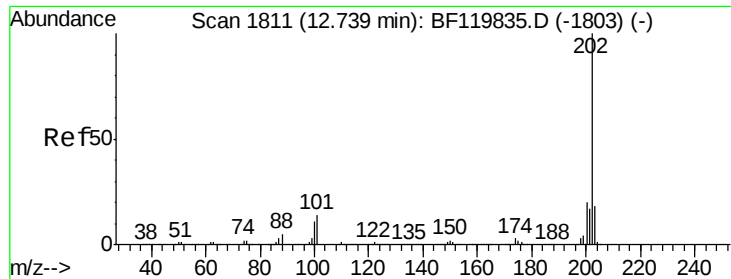
Acq: 16 Apr 2020 17:04

Tgt Ion:	240	Resp:	266205
Ion Ratio	Lower	Upper	
240	100		
120	11.3	9.0	13.6
236	24.7	20.7	31.1



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

Pvrene

Concen: 28.395 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

Instrument :

BNA_F

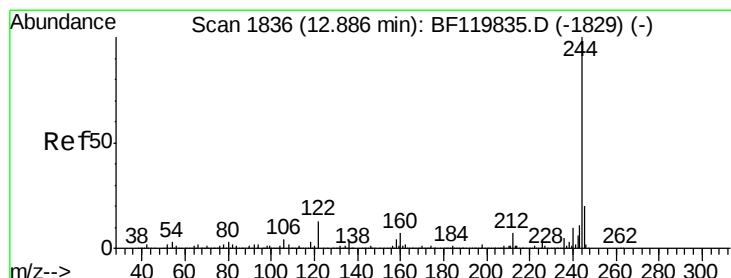
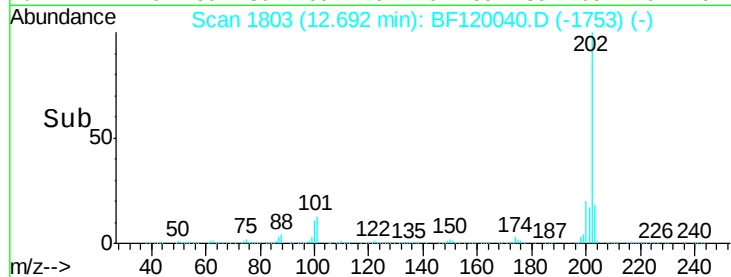
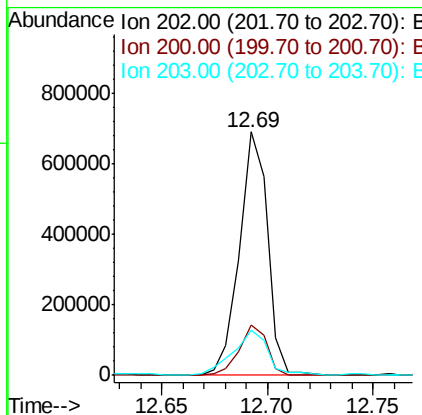
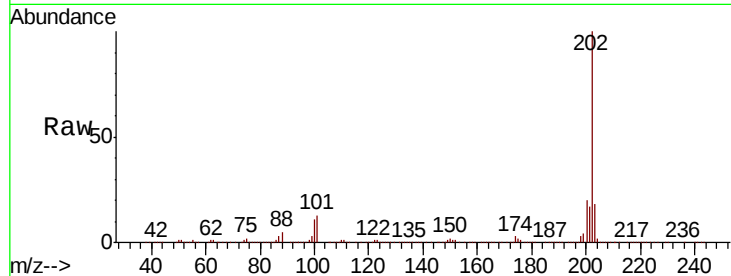
ClientSampleId :

TP-25-31-39

Tot Ion:	202	Resp:	637237
Ion Ratio	Lower	Upper	
202	100		
200	20.4	16.2	24.2
203	18.4	14.1	21.1

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#79

Terphenyl-d14

Concen: 15.543 ng

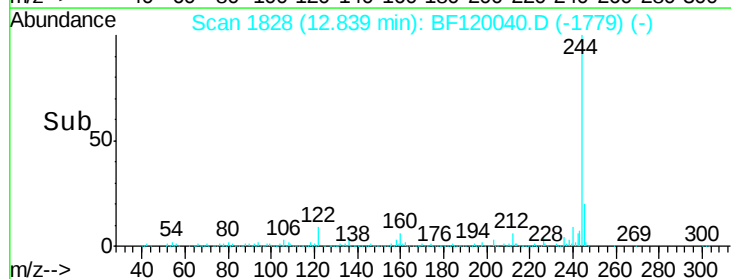
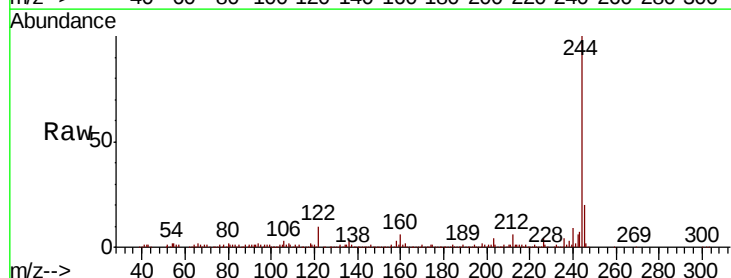
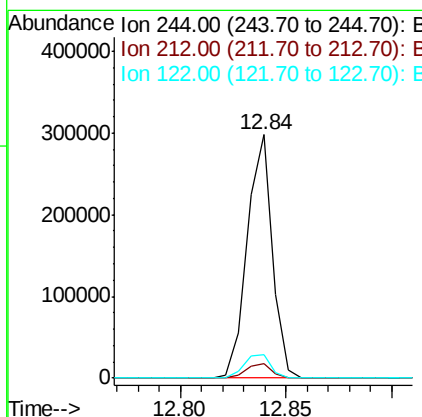
RT: 12.84 min Scan# 1828

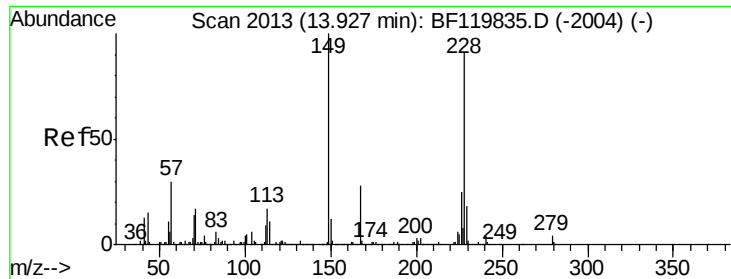
Delta R.T. -0.01 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

Tgt Ion:	244	Resp:	245897
Ion Ratio	Lower	Upper	
244	100		
212	5.9	5.4	8.0
122	9.6	10.3	15.5#





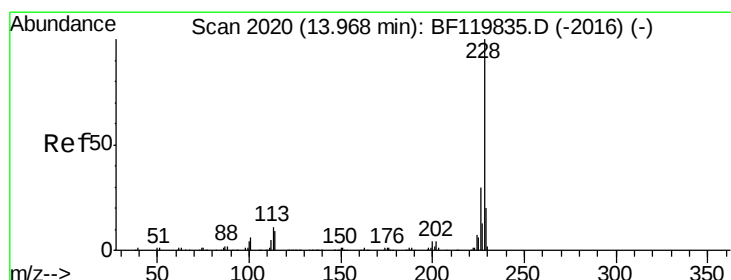
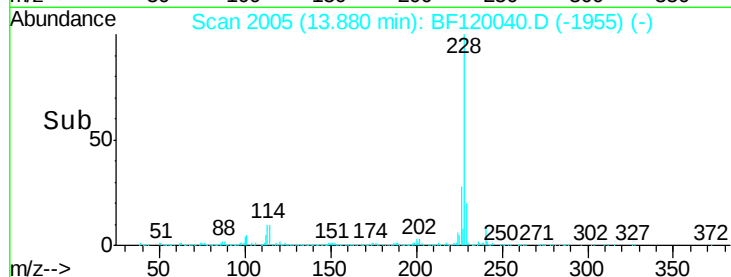
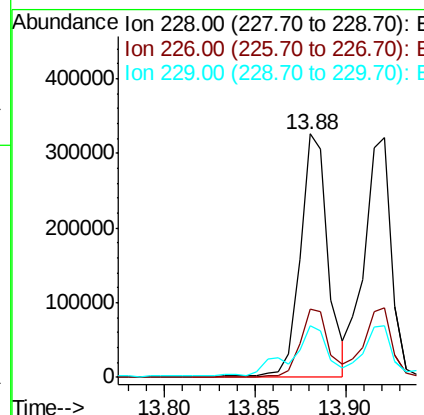
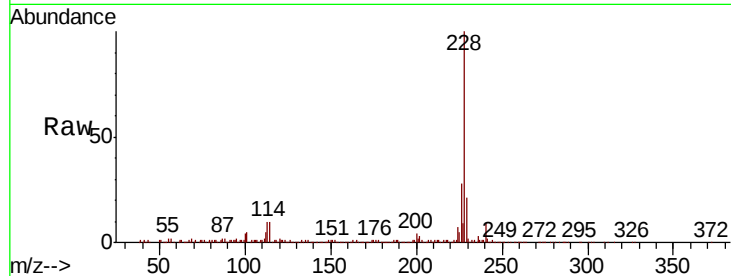
#81
Benzo(a)anthracene
Concen: 19.818 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF120040.D
Acq: 16 Apr 2020 17:04

Instrument :
BNA_F
ClientSampleId :
TP-25-31-39

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.9	32.9
229	21.0	15.9	23.9

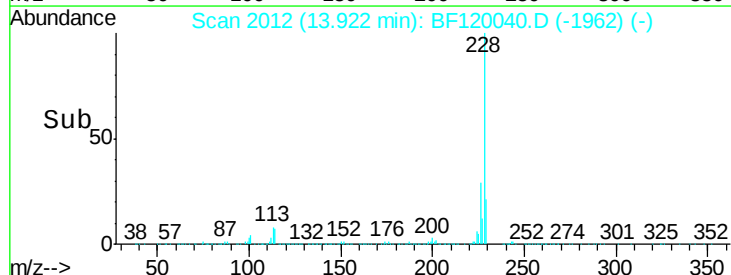
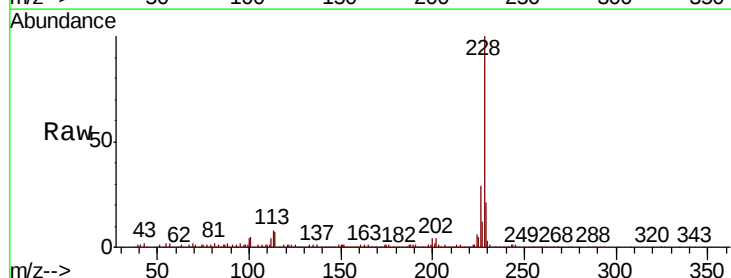
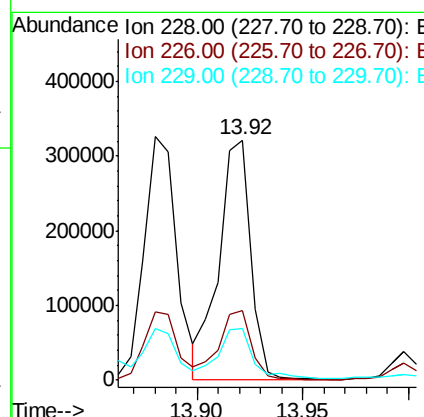
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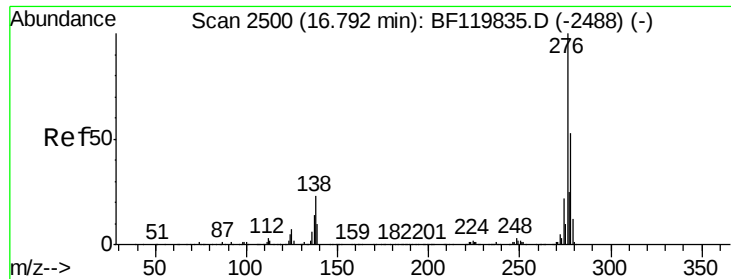
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#83
Chrysene
Concen: 18.761 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF120040.D
Acq: 16 Apr 2020 17:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.2	36.2
229	21.5	15.9	23.9





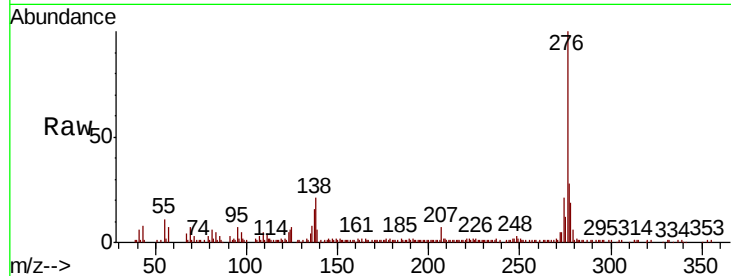
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 8.229 ng
 RT: 16.70 min Scan# 2485
 Delta R.T. -0.01 min
 Lab File: BF120040.D
 Acq: 16 Apr 2020 17:04

Instrument :
 BNA_F
 ClientSampleId :
 TP-25-31-39

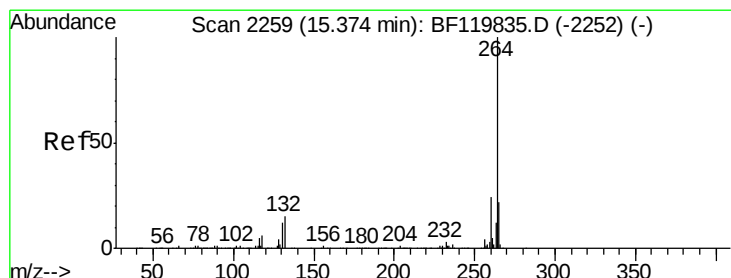
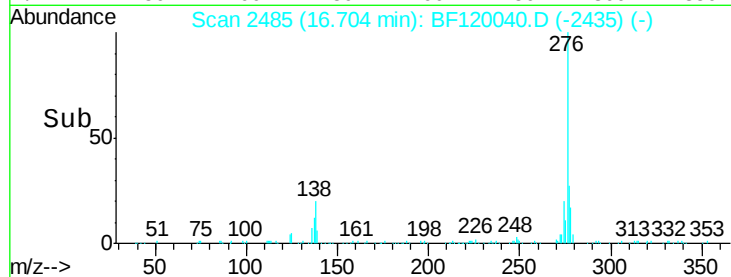
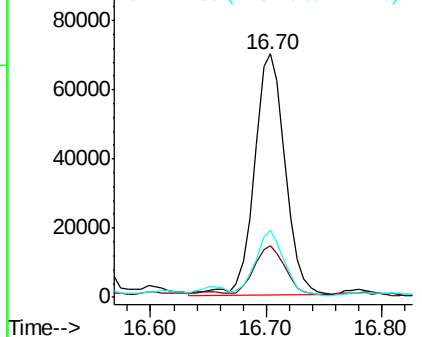
Tot Ion:	276	Resp:	129071
Ion Ratio	Lower	Upper	
276	100		
138	21.0	18.0	27.0
277	25.2	20.1	30.1

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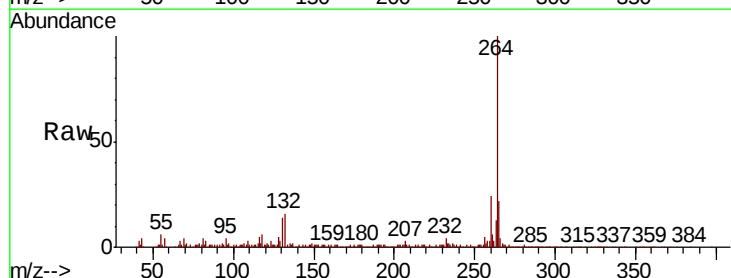


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

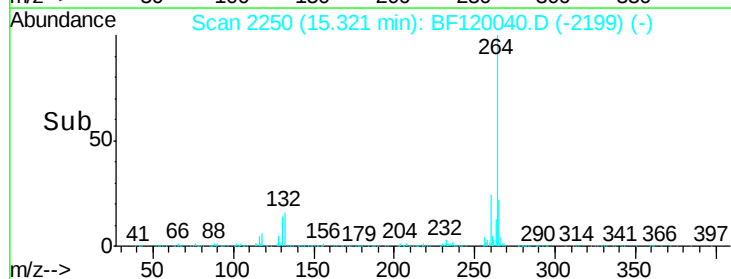
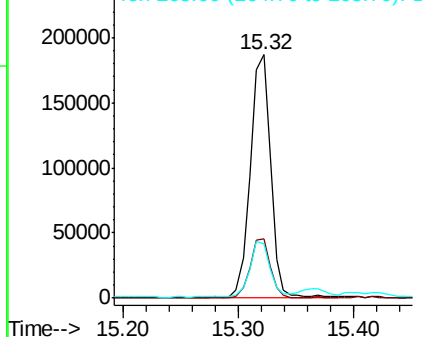


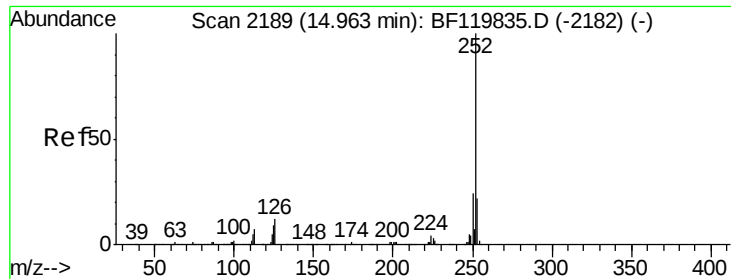
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: BF120040.D
 Acq: 16 Apr 2020 17:04

Tgt Ion:	264	Resp:	231190
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.3	28.9
265	22.5	17.6	26.4



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: 21.129 ng m

RT: 14.92 min Scan# 2181

Delta R.T. 0.00 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

Instrument :

BNA_F

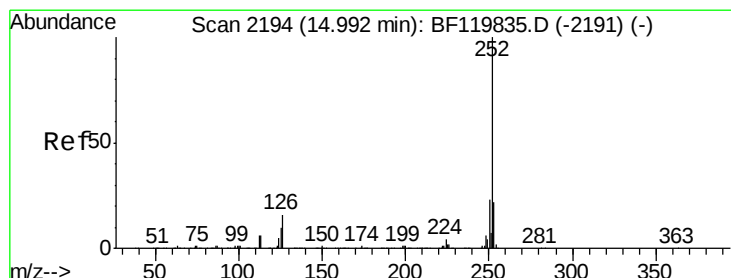
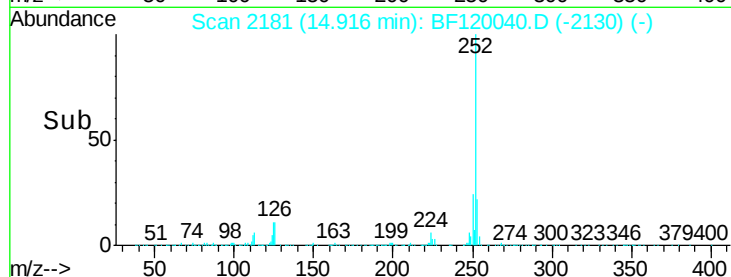
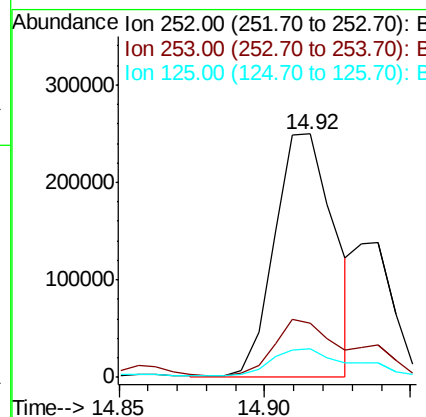
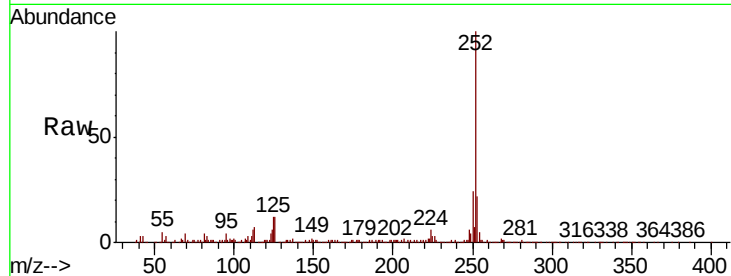
ClientSampleId :

TP-25-31-39

Tot Ion:	252	Resp:	351405
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.7	26.5
125	11.7	7.4	11.2#

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#89

Benzo(k)fluoranthene

Concen: 8.650 ng m

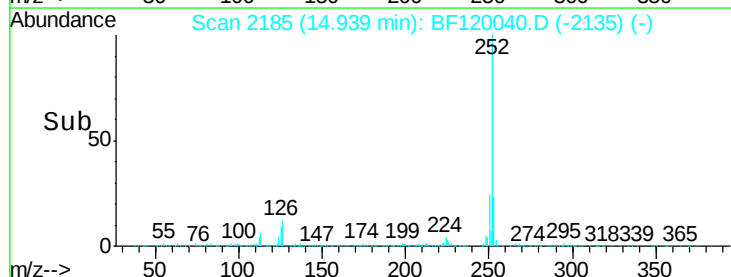
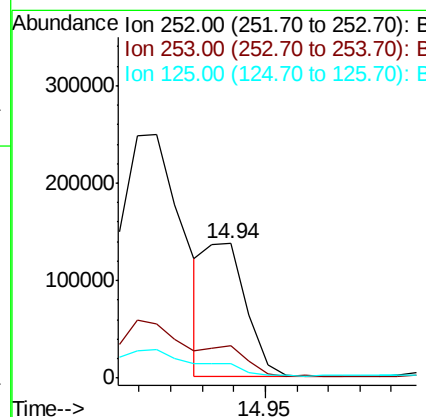
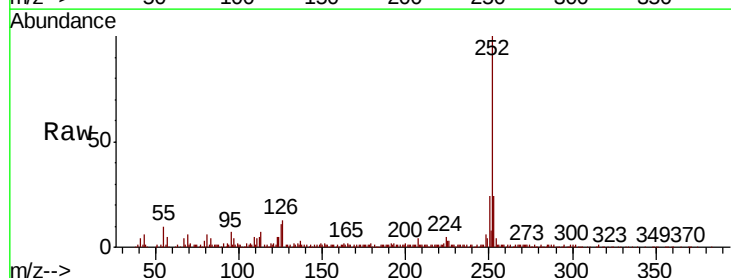
RT: 14.94 min Scan# 2185

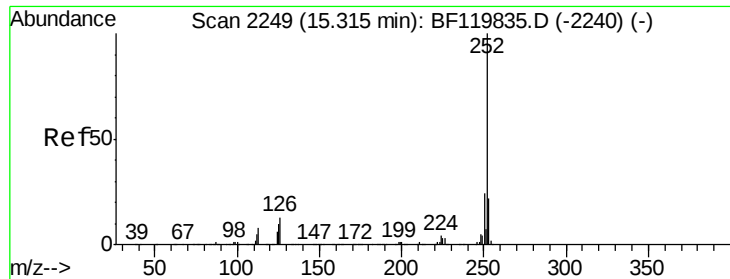
Delta R.T. -0.01 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

Tgt Ion:	252	Resp:	124120
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.8	26.8
125	10.7	7.7	11.5





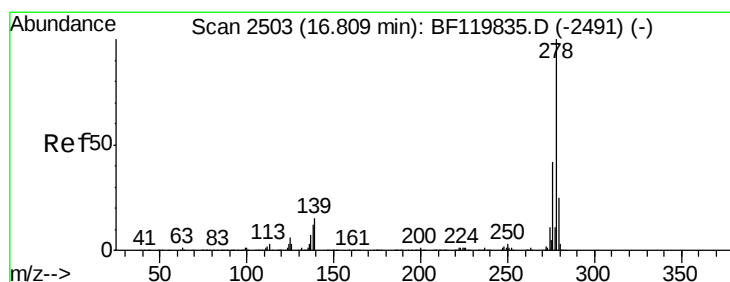
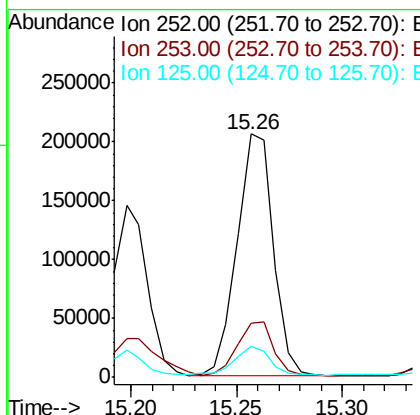
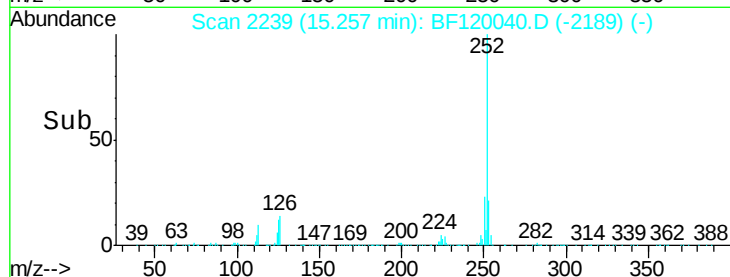
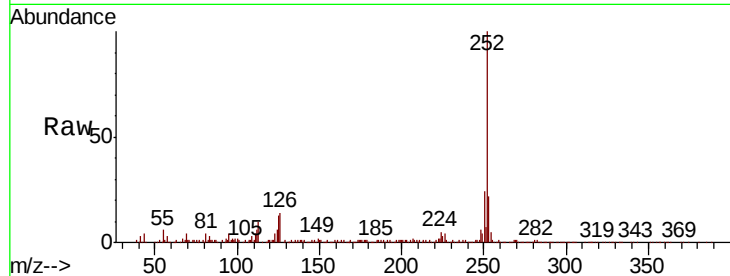
#90
Benzo(a)pyrene
Concen: 17.506 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF120040.D
Acq: 16 Apr 2020 17:04

Instrument :
BNA_F
ClientSampled :
TP-25-31-39

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	12.6	8.3	12.5#

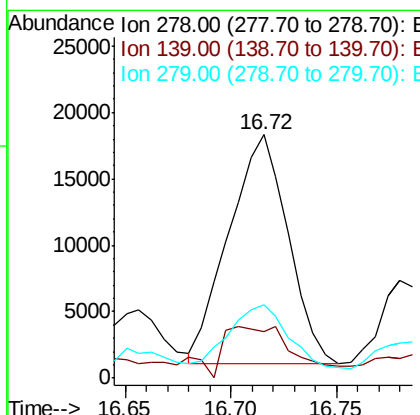
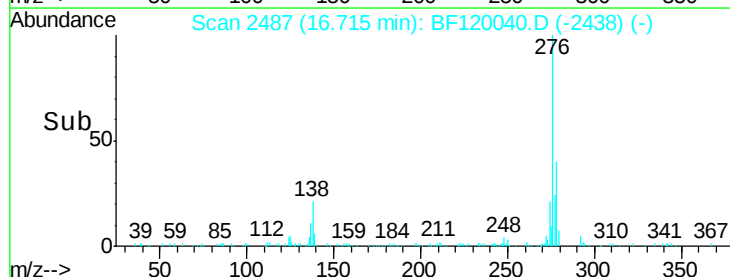
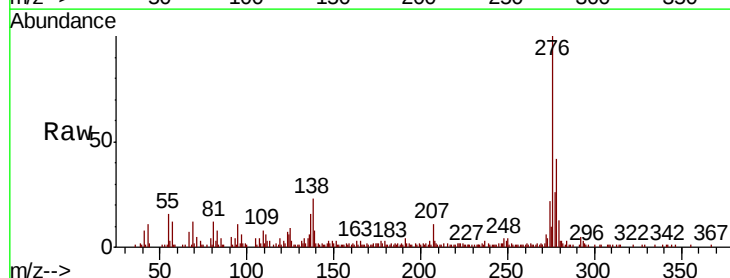
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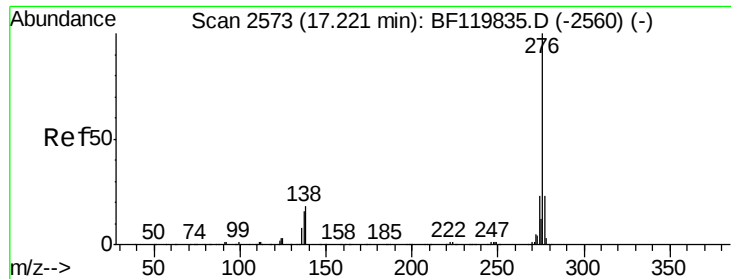
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.703 ng
RT: 16.72 min Scan# 2487
Delta R.T. -0.01 min
Lab File: BF120040.D
Acq: 16 Apr 2020 17:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.0	11.6	17.4#
279	30.3	19.7	29.5#





#92
 Benzo(a,h,i)perylene
 Concen: 9.435 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. -0.01 min
 Lab File: BF120040.D
 Acq: 16 Apr 2020 17:04

Instrument :
 BNA_F
 ClientSampleId :
 TP-25-31-39

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.2	18.5	27.7
138	21.1	14.6	22.0

Manual Integrations
 APPROVED

mohammad
 4/17/2020 1:48:39 PM

