

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071520\
 Data File : BF120875.D
 Acq On : 15 Jul 2020 16:11
 Operator : JU/CG
 Sample : L3183-06 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-071420

Manual Integrations
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mohammad
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Quant Time: Jul 15 16:37:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 14:16:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	182461	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	653010	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	326253	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	553995	20.00	ng	0.00
76) Chrysene-d12	13.99	240	388592	20.00	ng	-0.01
86) Perylene-d12	15.46	264	462217	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	110052	9.31	ng	0.00
7) Phenol-d6	6.45	99	139802	9.26	ng	-0.02
23) Nitrobenzene-d5	7.39	82	86981	7.72	ng	-0.01
42) 2,4,6-Tribromophenol	10.65	330	29842	9.10	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	178540	8.28	ng	-0.01
79) Terphenyl-d14	12.94	244	138015	6.95	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Acenaphthylene	9.73	152	117013	3.540	ng	98
58) Fluorene	10.42	166	57032	2.592	ng	99
71) Phenanthrene	11.37	178	524107	17.436	ng	100
72) Anthracene	11.43	178	193920	6.384	ng	98
75) Fluoranthene	12.57	202	1065696	33.281	ng	100
78) Pyrene	12.80	202	1122138	36.157	ng	99
81) Benzo(a)anthracene	13.98	228	653189	26.223	ng	93
83) Chrysene	14.02	228	577261	22.720	ng	98
87) Indeno(1,2,3-cd)pyrene	16.90	276	447704	15.101	ng	97
88) Benzo(b)fluoranthene	15.03	252	913355m	30.057	ng	
89) Benzo(k)fluoranthene	15.06	252	234890m	7.944	ng	
90) Benzo(a)pyrene	15.39	252	666892	24.602	ng	97
91) Dibenzo(a,h)anthracene	16.90	278	128601	5.204	ng	94
92) Benzo(g,h,i)perylene	17.33	276	414232	18.342	ng	99

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

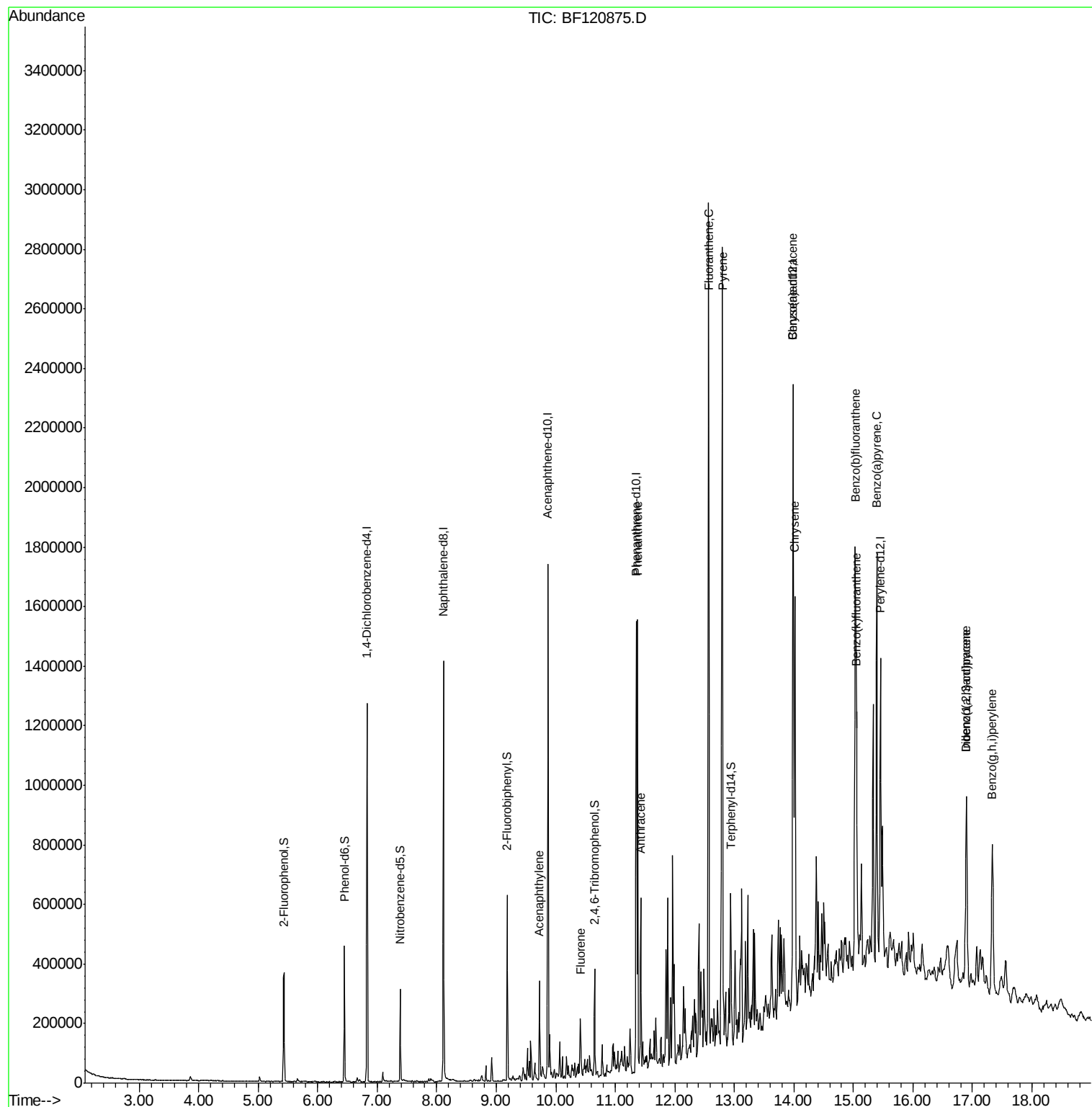
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071520\
Data File : BF120875.D
Acq On : 15 Jul 2020 16:11
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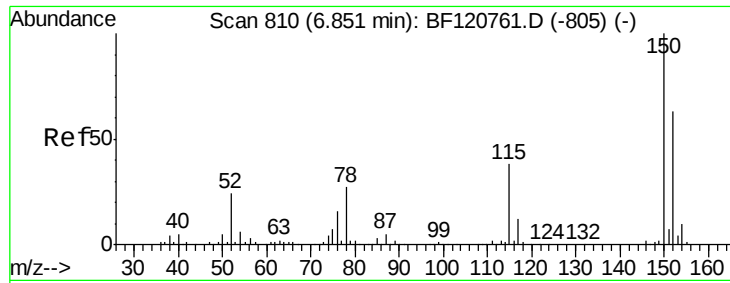
Instrument :
BNA_F
ClientSampleId :
OK-01-071420

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Quant Time: Jul 15 16:37:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 13 14:16:14 2020
Response via : Initial Calibration





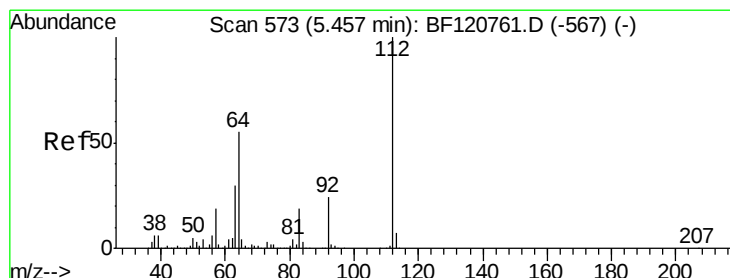
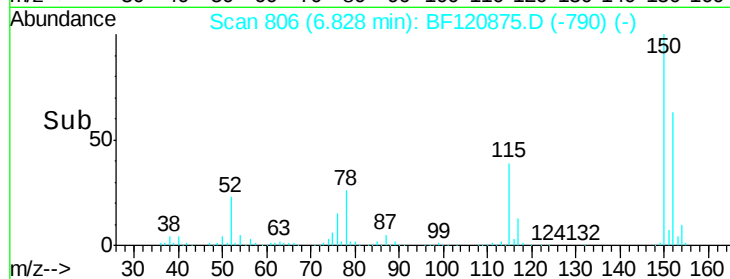
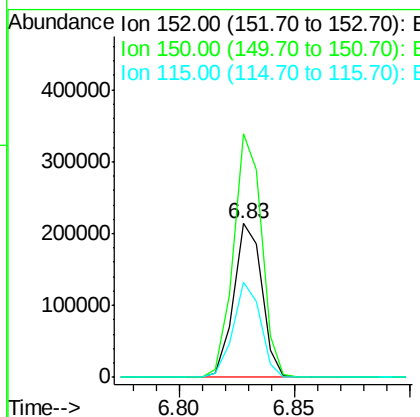
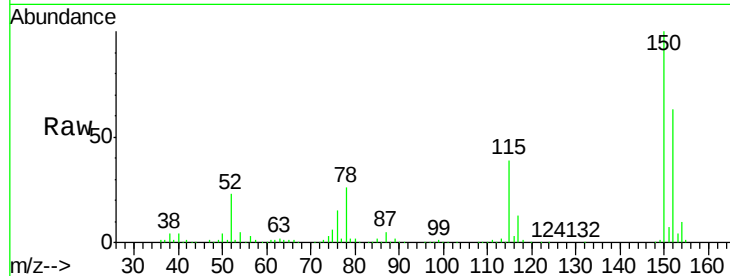
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF120875.D
 Acq: 15 Jul 2020 16:11

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-071420

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	126.1	189.1
115	61.9	48.5	72.7

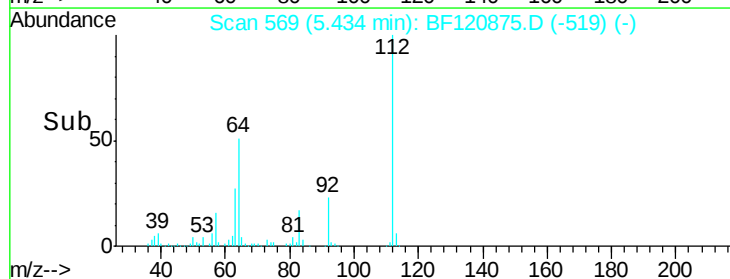
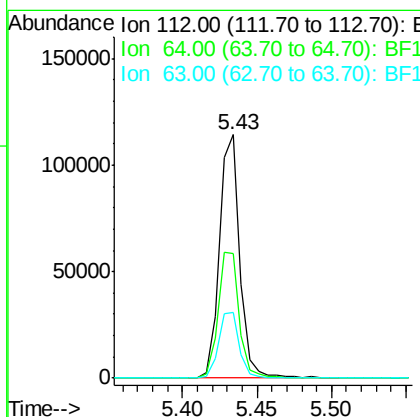
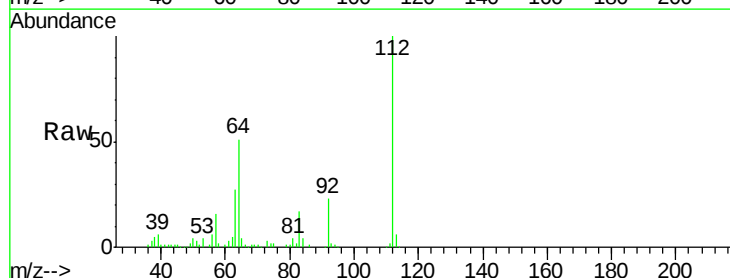
Manual Integrations
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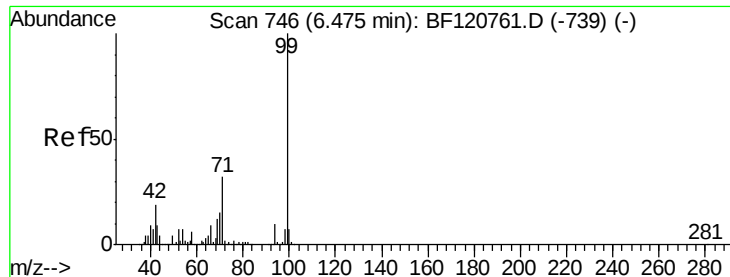
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#5
 2-Fluorophenol
 Concen: 9.311 ng
 RT: 5.43 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: BF120875.D
 Acq: 15 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.3	43.8	65.6
63	27.2	23.6	35.4





#7

Phenol-d6

Concen: 9.262 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.02 min

Lab File: BF120875.D

Acq: 15 Jul 2020 16:11

Instrument :

BNA_F

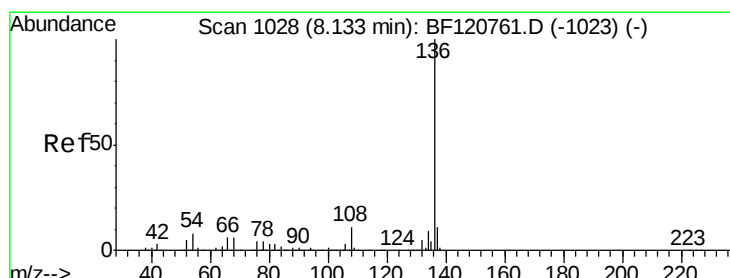
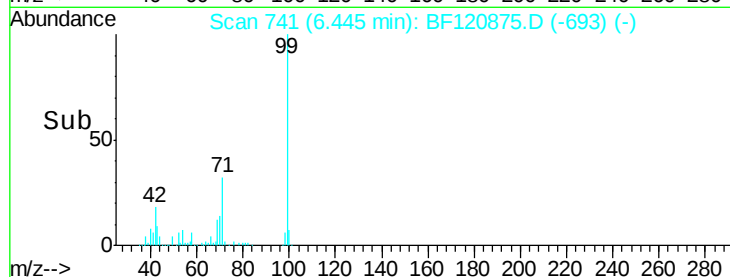
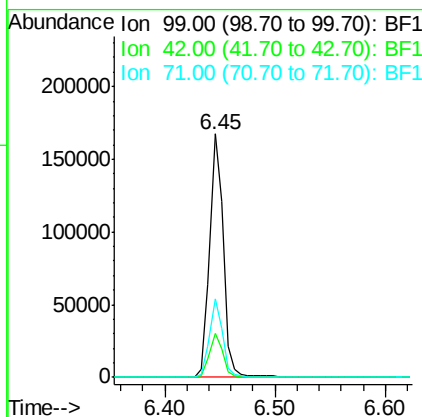
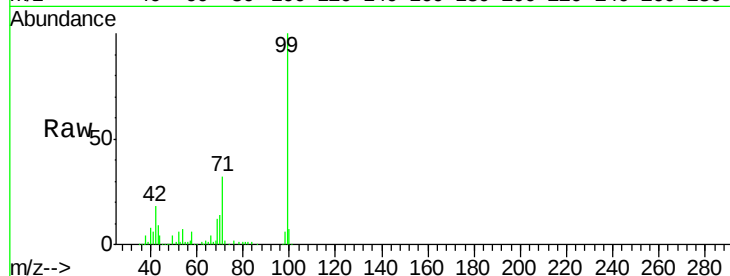
ClientSampleId :

OK-01-071420

Tot Ion:	99	Resp:	139802
Ion Ratio	Lower	Upper	
99	100		
42	18.2	15.4	23.0
71	32.4	25.9	38.9

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#21

Naphthalene-d8

Concen: 20.000 ng

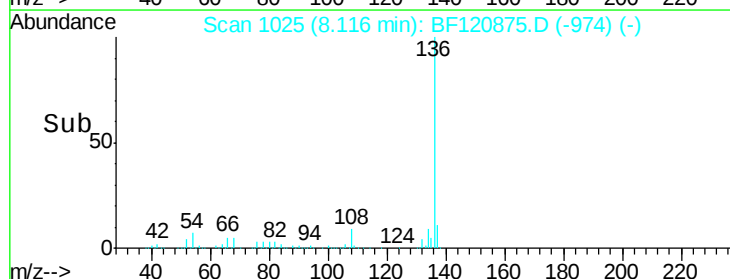
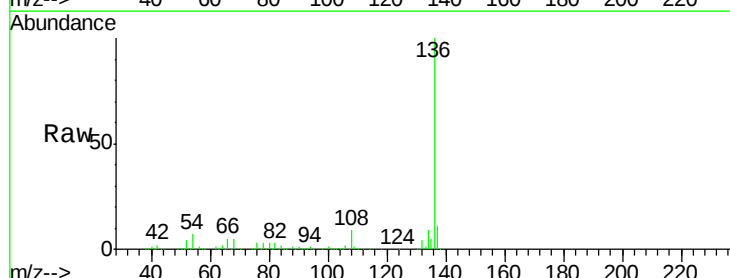
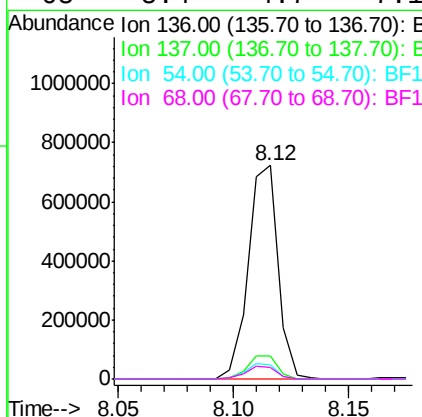
RT: 8.12 min Scan# 1025

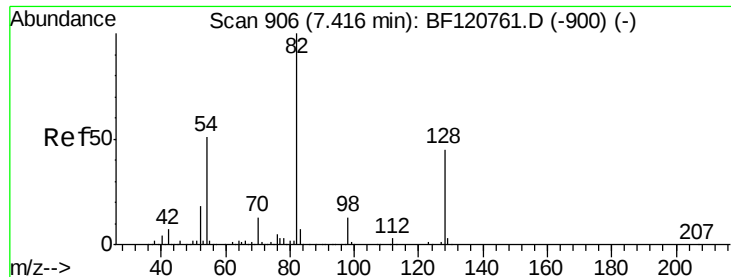
Delta R.T. -0.00 min

Lab File: BF120875.D

Acq: 15 Jul 2020 16:11

Tgt Ion:	136	Resp:	653010
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.6
54	6.8	6.2	9.4
68	5.4	4.7	7.1





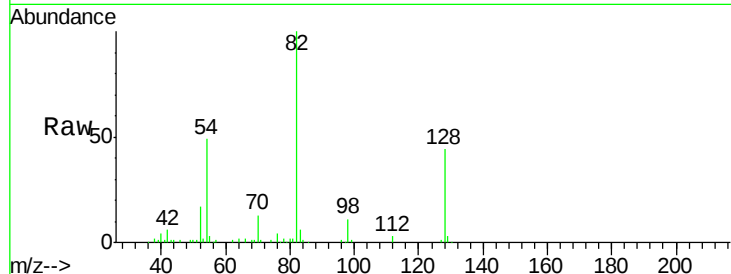
#23
Nitrobenzene-d5
Concen: 7.717 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF120875.D
Acq: 15 Jul 2020 16:11

Instrument :
BNA_F
ClientSampled :
OK-01-071420

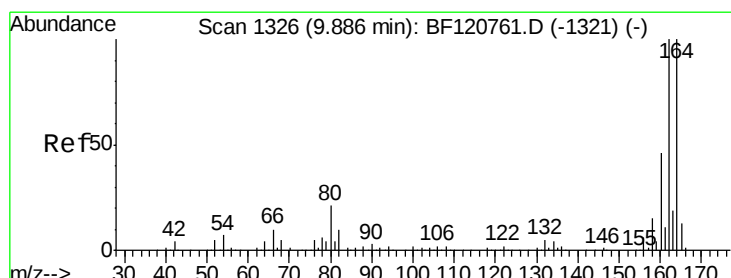
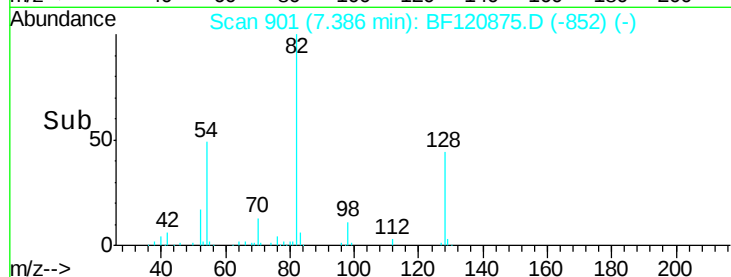
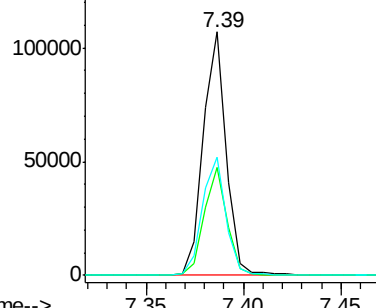
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.7	53.5
54	48.6	40.9	61.3

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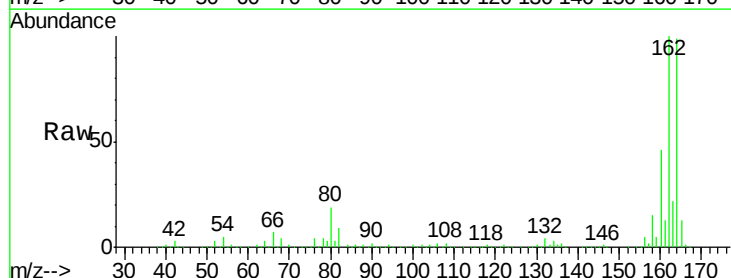


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

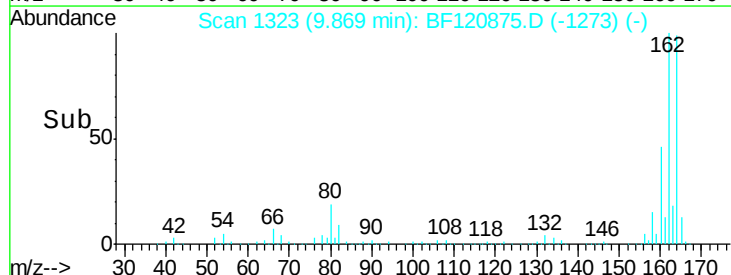
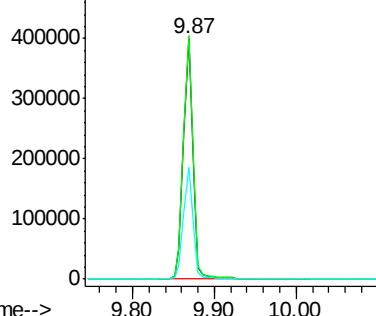


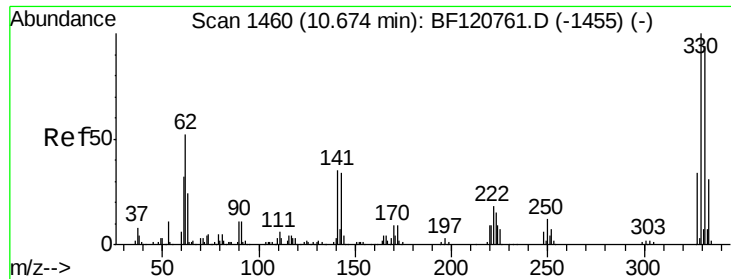
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF120875.D
Acq: 15 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.2	120.2
160	46.2	36.9	55.3



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





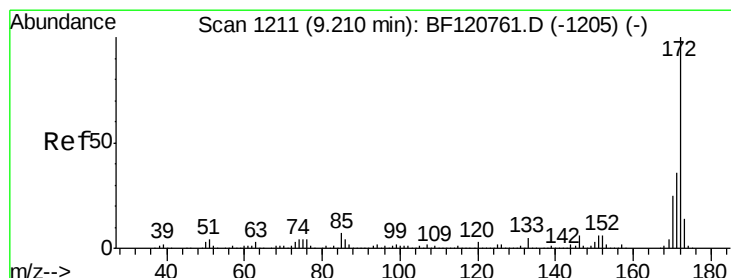
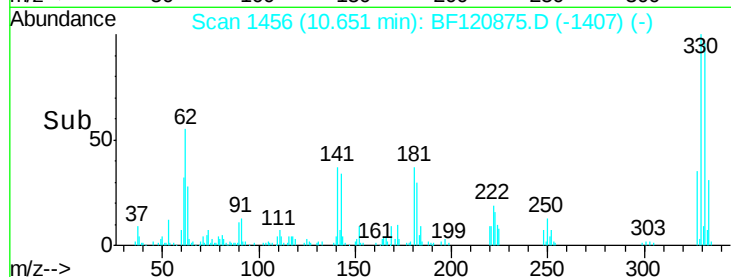
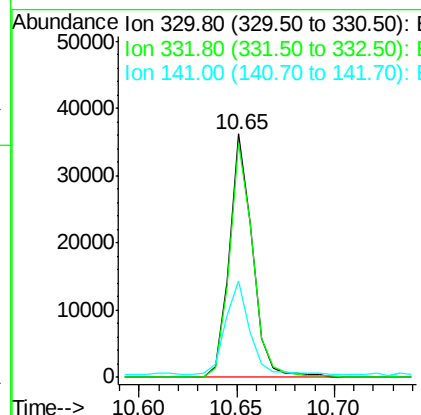
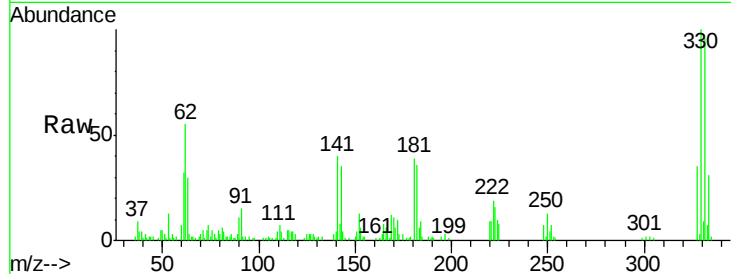
#42
 2,4,6-Tribromophenol
 Concen: 9.105 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF120875.D
 Acq: 15 Jul 2020 16:11

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-071420

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	75.8	113.6
141	40.0	29.7	44.5

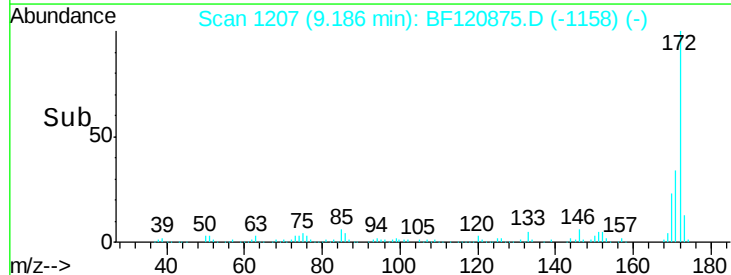
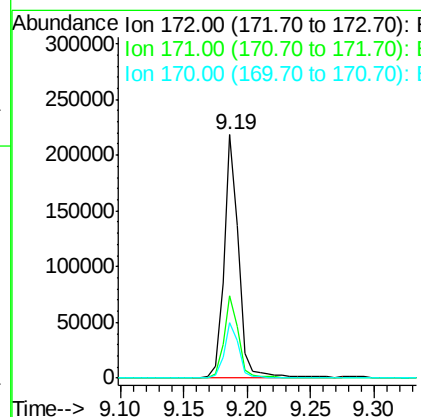
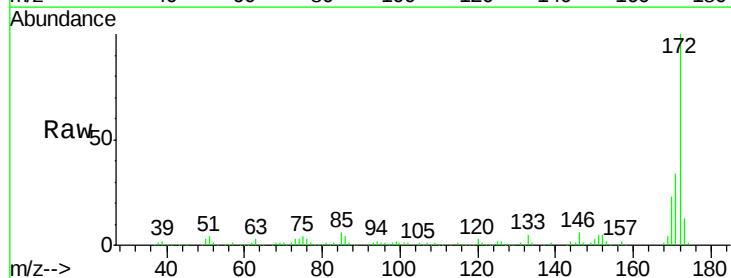
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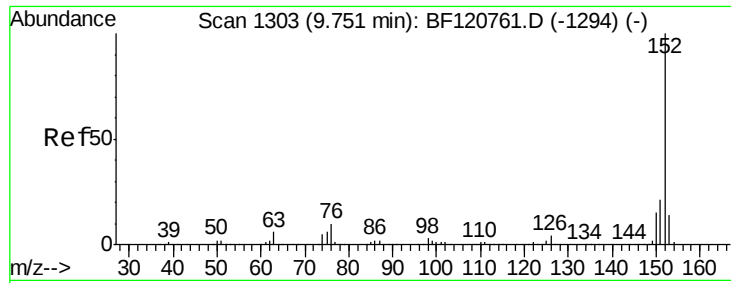
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#45
 2-Fluorobiphenyl
 Concen: 8.280 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF120875.D
 Acq: 15 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	29.1	43.7
170	23.0	19.8	29.6





#49

Acenaphthylene

Concen: 3.540 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF120875.D

Acq: 15 Jul 2020 16:11

Instrument :

BNA_F

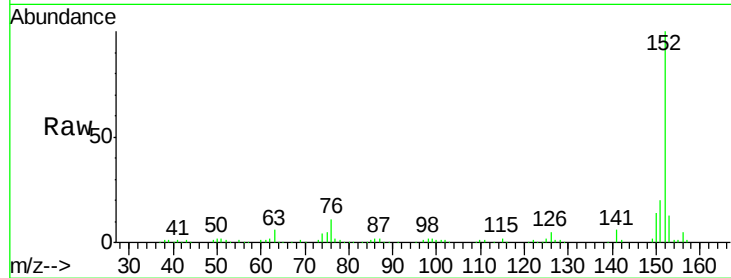
ClientSampleId :

OK-01-071420

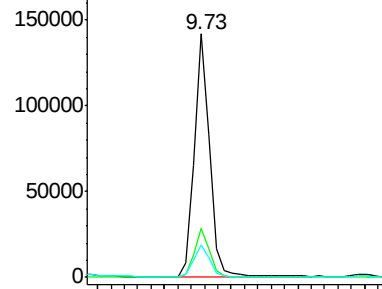
Tot Ion:	152	Resp:	117013
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.9	25.3
153	13.2	10.8	16.2

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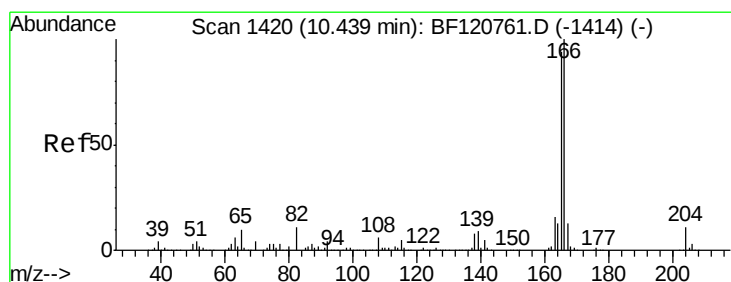
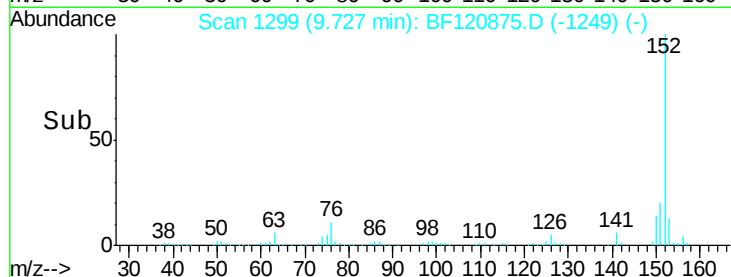
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time-->



#58

Fluorene

Concen: 2.592 ng

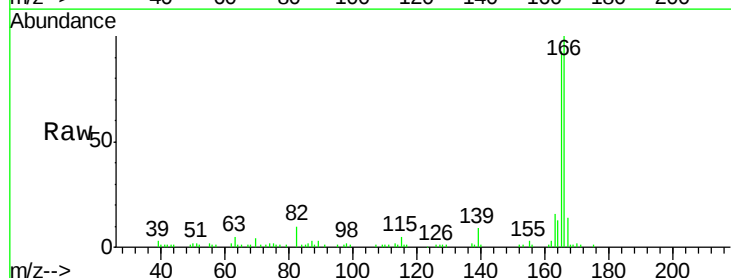
RT: 10.42 min Scan# 1416

Delta R.T. -0.01 min

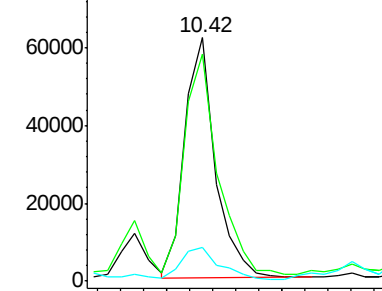
Lab File: BF120875.D

Acq: 15 Jul 2020 16:11

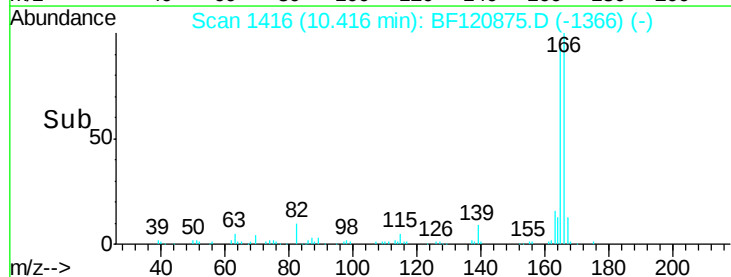
Tgt Ion:	166	Resp:	57032
Ion Ratio	Lower	Upper	
166	100		
165	93.4	75.5	113.3
167	14.0	10.6	16.0

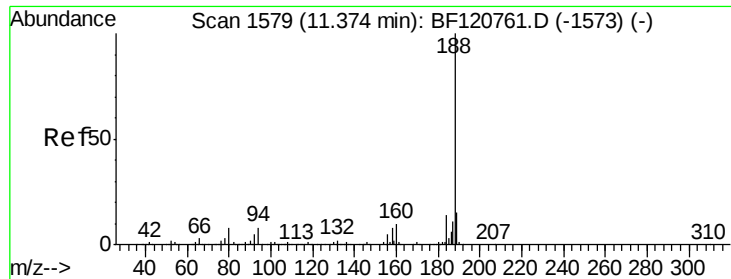


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



Time-->





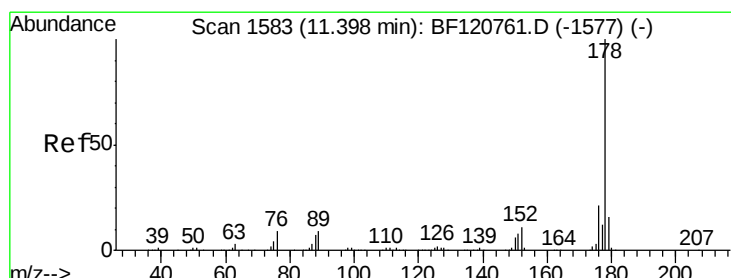
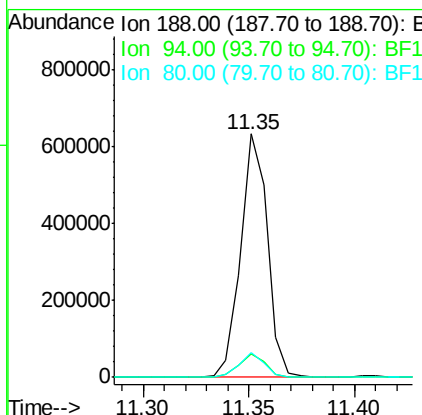
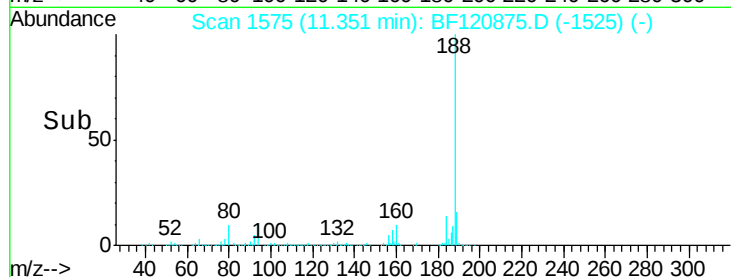
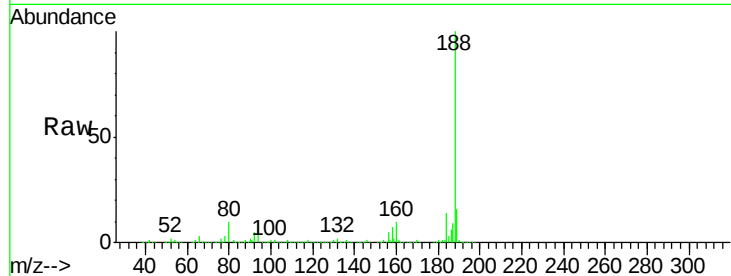
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF120875.D
Acq: 15 Jul 2020 16:11

Instrument :
BNA_F
ClientSampleId :
OK-01-071420

Tot Ion	Ratio	Resp	Lower	Upper
188	100	553995		
94	9.8	6.6	9.8	
80	10.1	6.6	10.0	

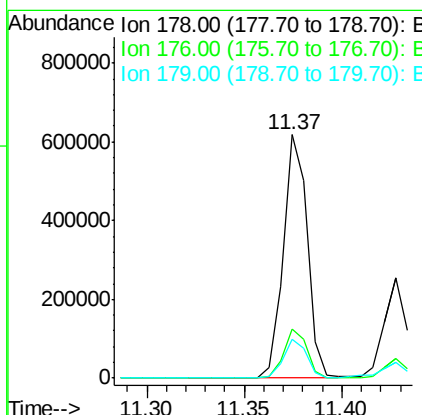
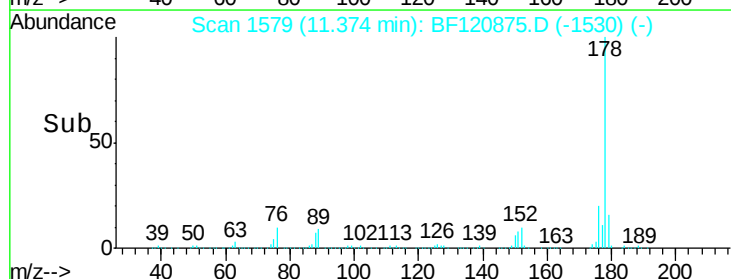
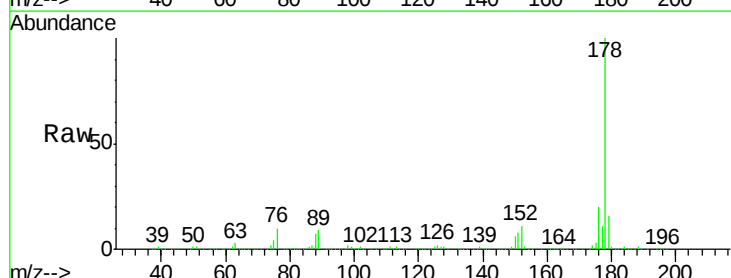
Manual Integrations
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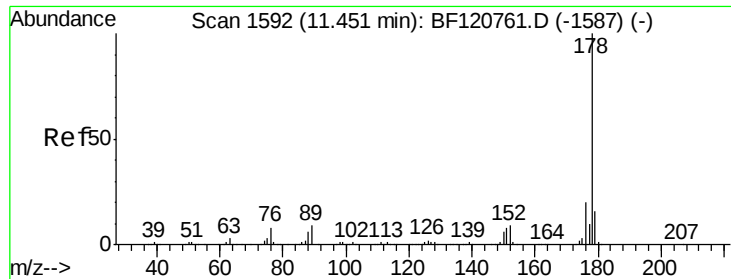
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#71
Phenanthrene
Concen: 17.436 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF120875.D
Acq: 15 Jul 2020 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	524107		
176	20.2	16.4	24.6	
179	16.0	12.9	19.3	





#72

Anthracene

Concen: 6.384 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF120875.D

Acq: 15 Jul 2020 16:11

Instrument :

BNA_F

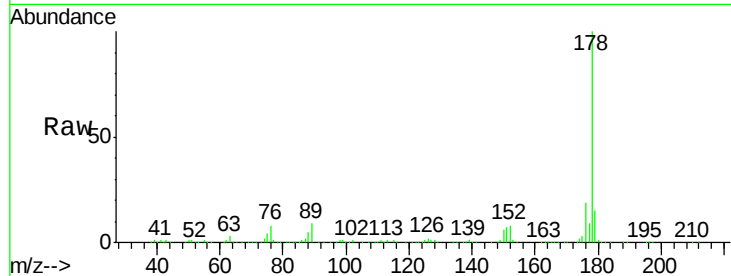
ClientSampleId :

OK-01-071420

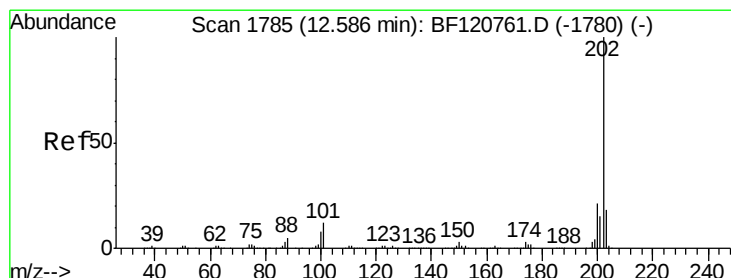
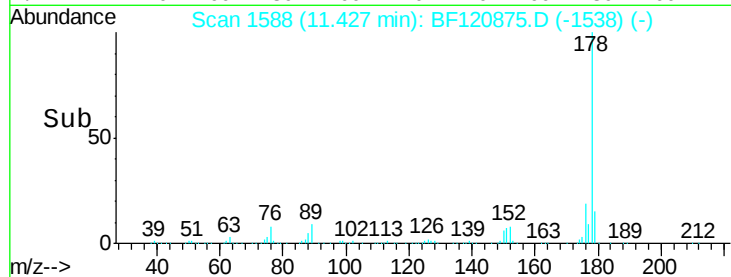
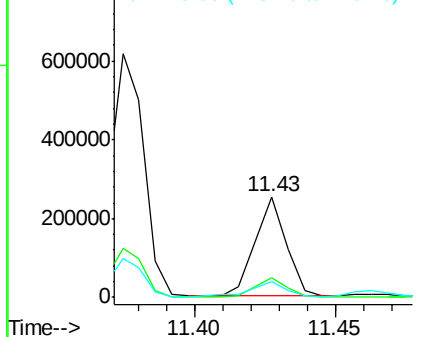
Tot Ion:	178	Resp:	193920
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.2	24.2
179	15.3	12.7	19.1

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 33.281 ng

RT: 12.57 min Scan# 1782

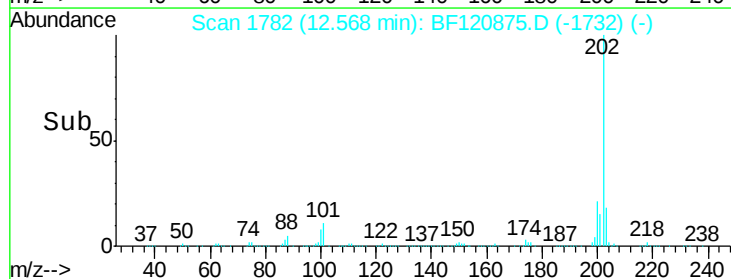
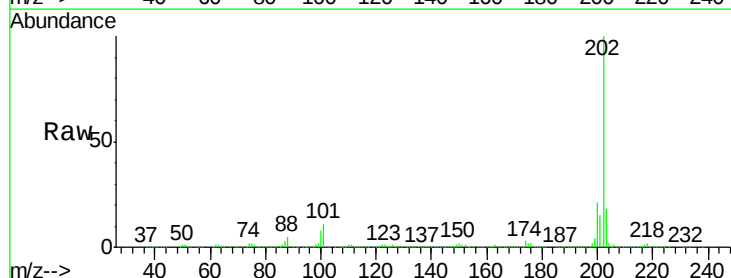
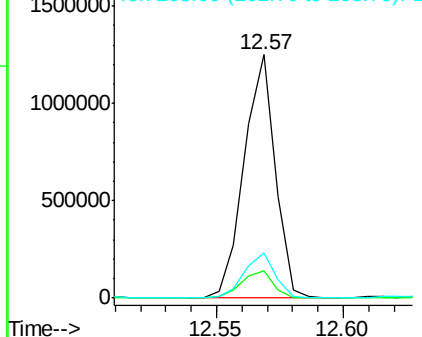
Delta R.T. -0.01 min

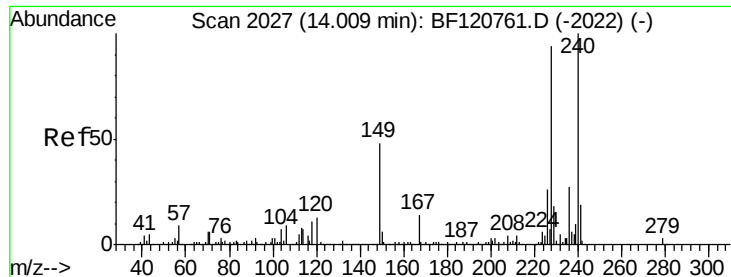
Lab File: BF120875.D

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Tgt Ion:	202	Resp:	1065696
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	31.6
203	18.4	0.0	38.2

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





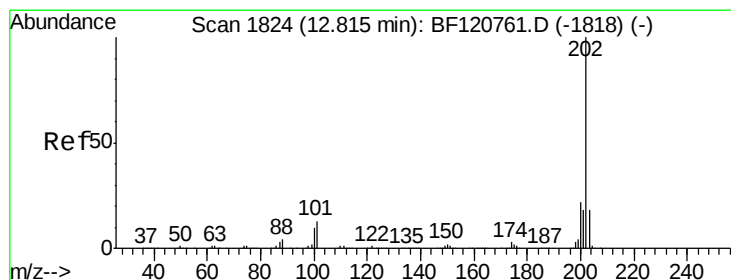
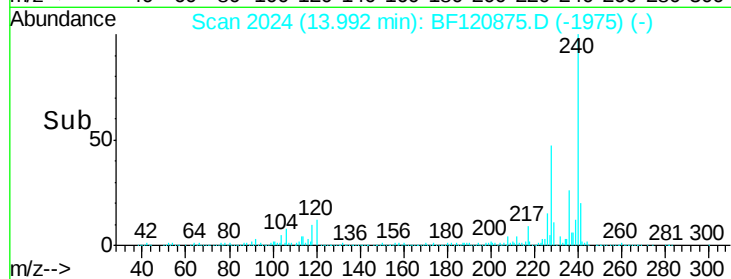
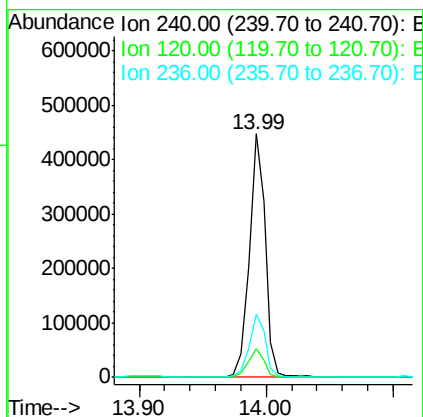
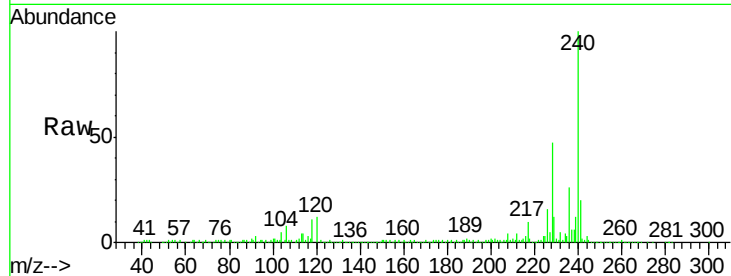
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF120875.D
Acq: 15 Jul 2020 16:11

Instrument :
BNA_F
ClientSampleId :
OK-01-071420

Tot Ion	Ratio	Resp	Lower	Upper
240	100	388592		
120	11.8	10.3	15.5	
236	26.2	21.4	32.2	

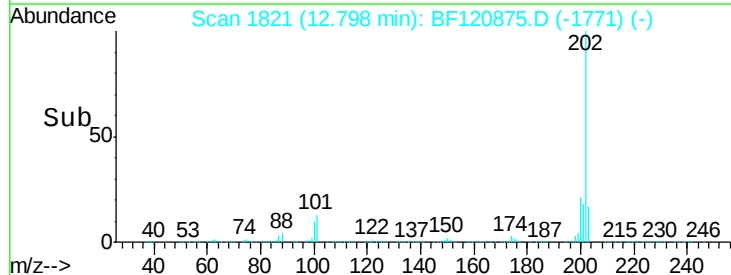
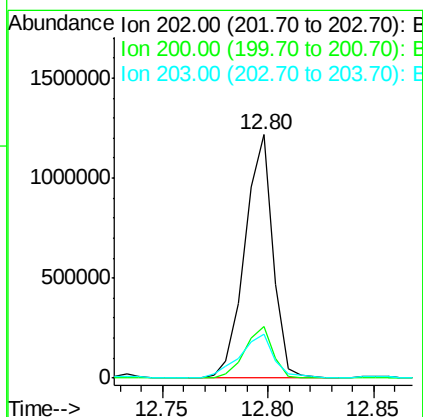
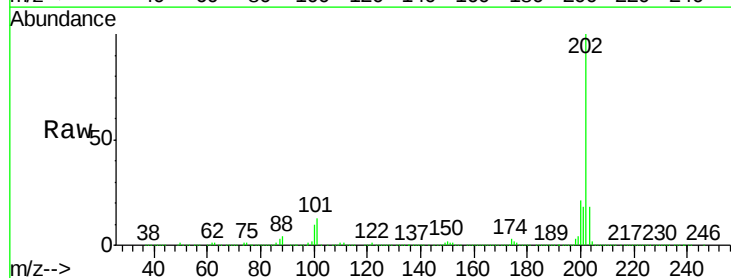
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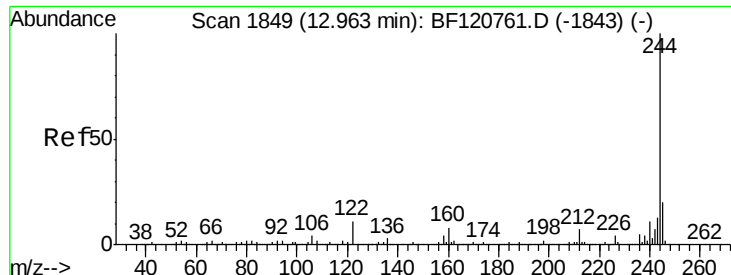
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#78
Pyrene
Concen: 36.157 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF120875.D
Acq: 15 Jul 2020 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1122138		
200	21.0	17.3	25.9	
203	18.0	14.6	22.0	





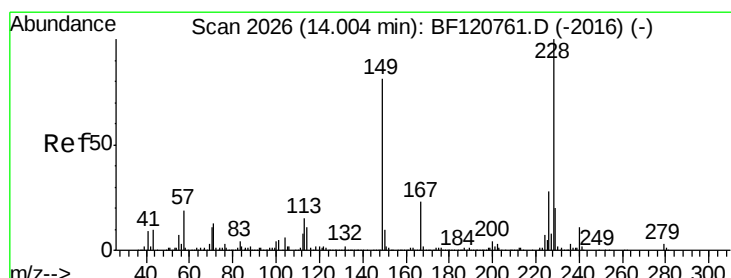
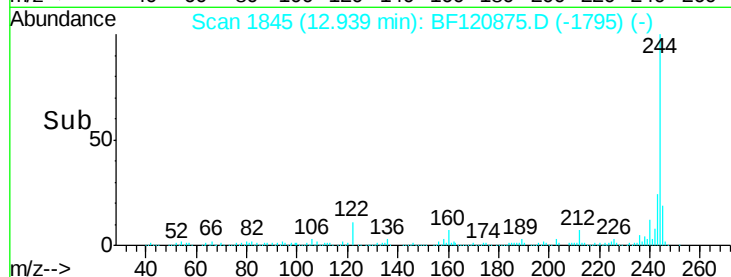
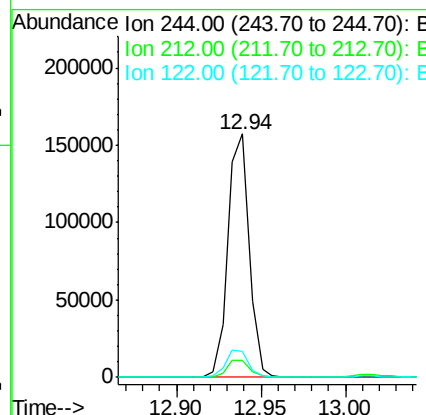
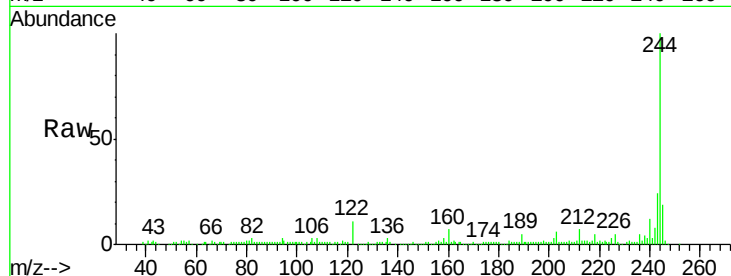
#79
 Terphenyl-d14
 Concen: 6.954 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF120875.D
 Acq: 15 Jul 2020 16:11

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-071420

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.5	9.0	13.4

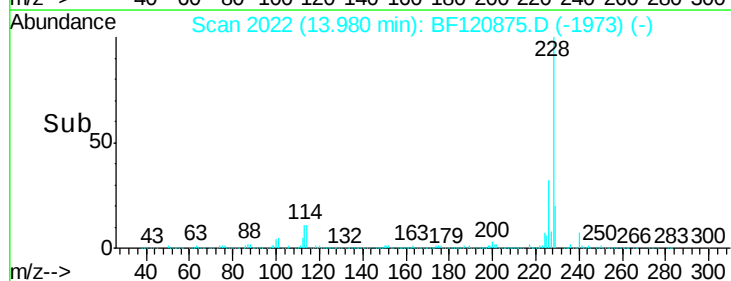
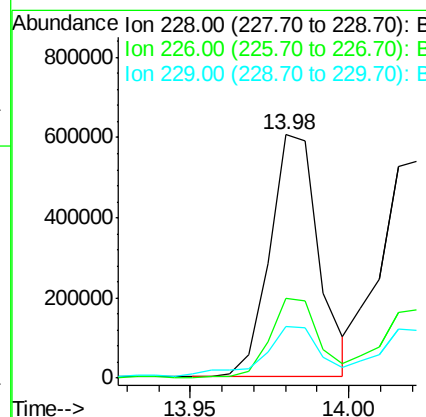
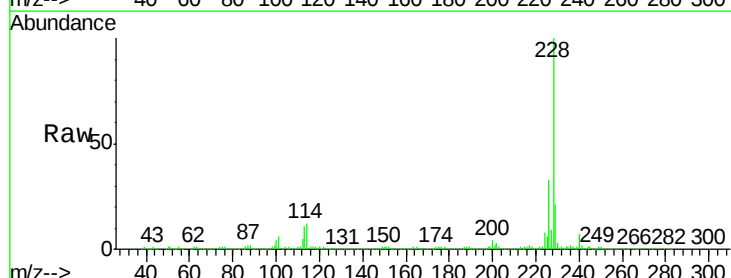
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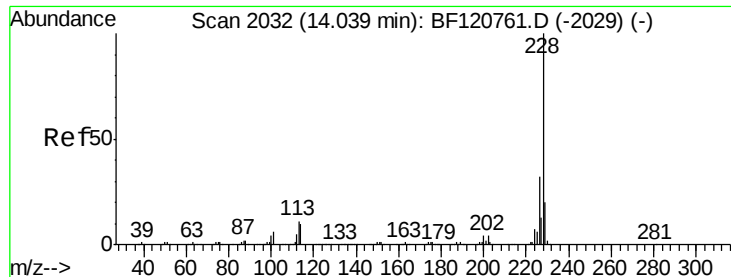
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#81
 Benzo(a)anthracene
 Concen: 26.223 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF120875.D
 Acq: 15 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	22.6	33.8
229	21.2	15.8	23.6





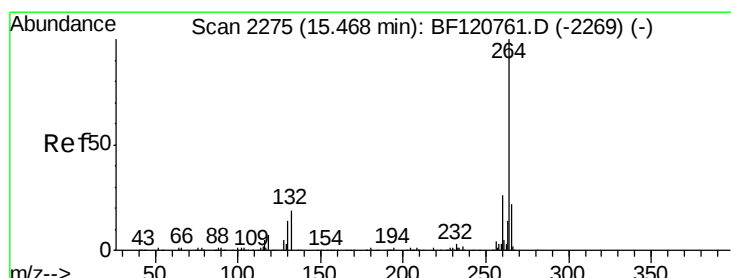
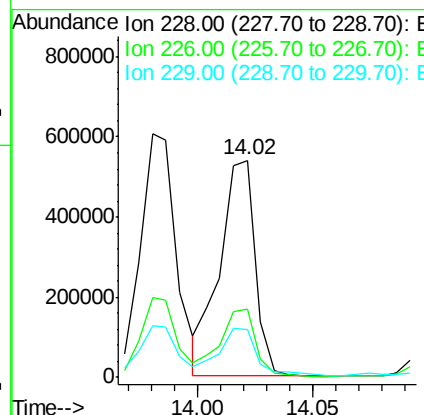
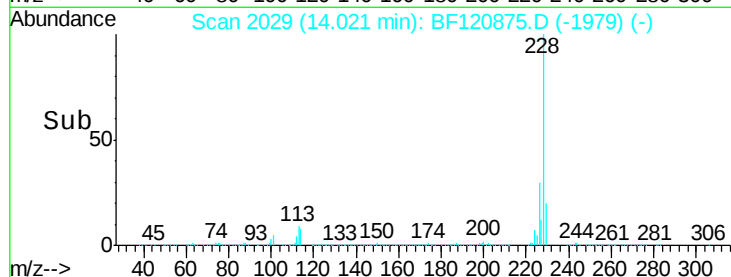
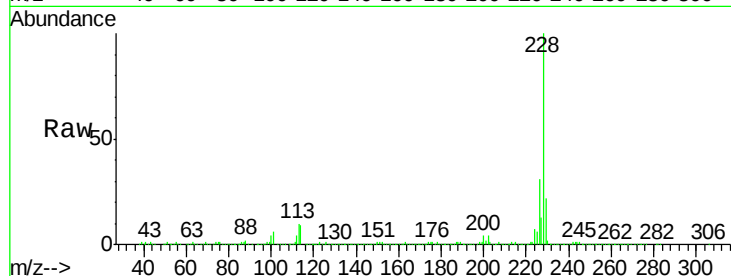
#83
Chrysene
Concen: 22.720 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF120875.D
Acq: 15 Jul 2020 16:11

Instrument :
BNA_F
ClientSampleId :
OK-01-071420

Tot Ion:	228	Resp:	577261
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.7	38.5
229	22.0	16.3	24.5

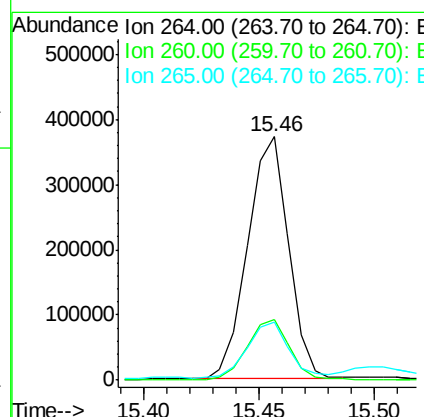
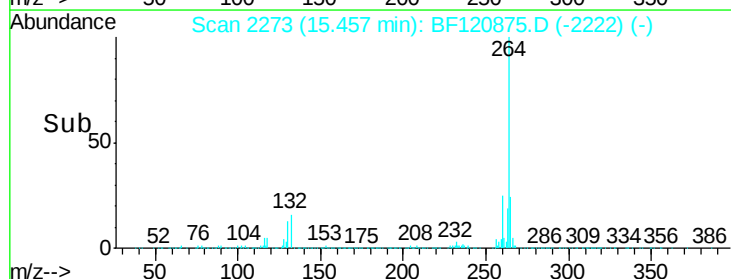
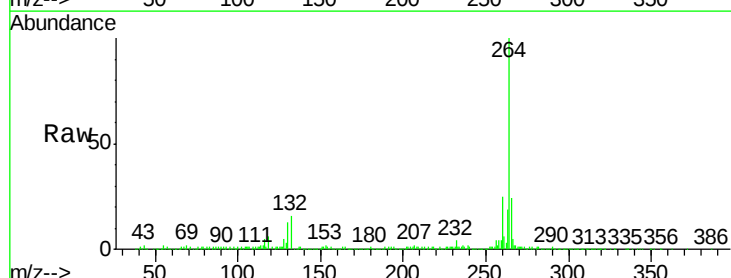
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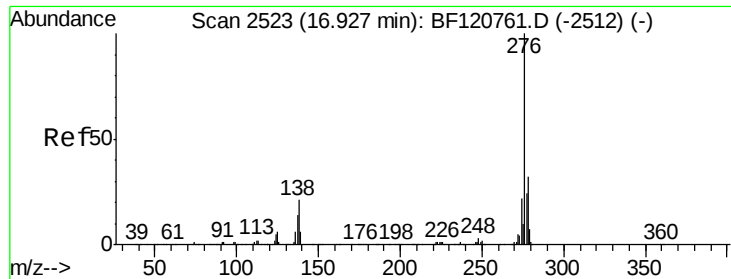
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF120875.D
Acq: 15 Jul 2020 16:11

Tgt Ion:	264	Resp:	462217
Ion Ratio	Lower	Upper	
264	100		
260	25.1	20.6	30.8
265	23.9	17.6	26.4





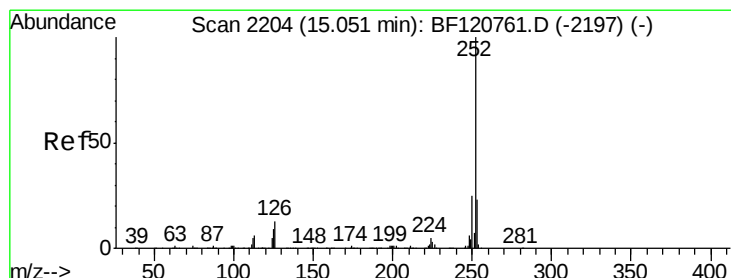
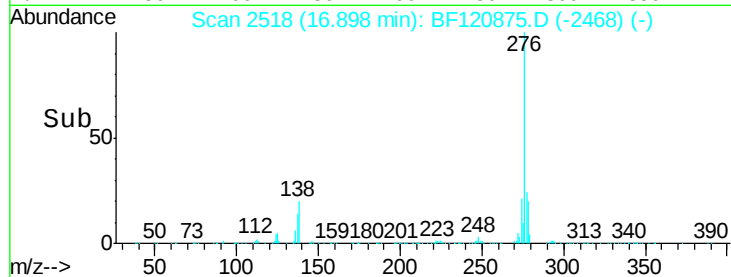
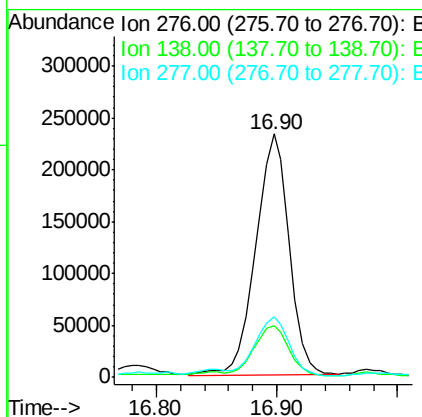
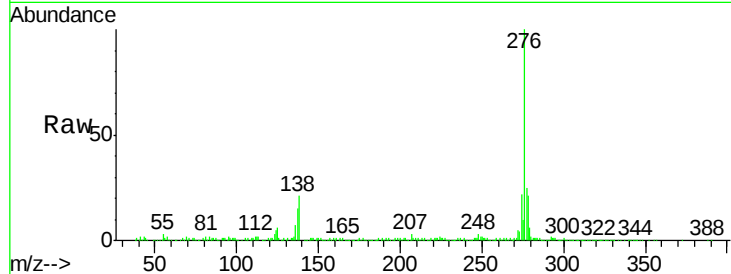
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 15.101 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. -0.01 min
 Lab File: BF120875.D
 Acq: 15 Jul 2020 16:11

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-071420

Tot Ion:	276	Resp:	447704
Ion Ratio		Lower	Upper
276	100		
138	22.7	19.8	29.8
277	24.4	19.9	29.9

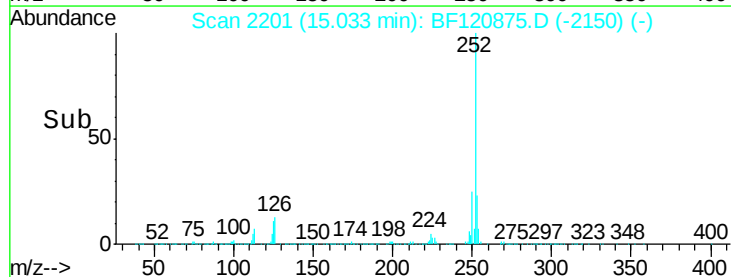
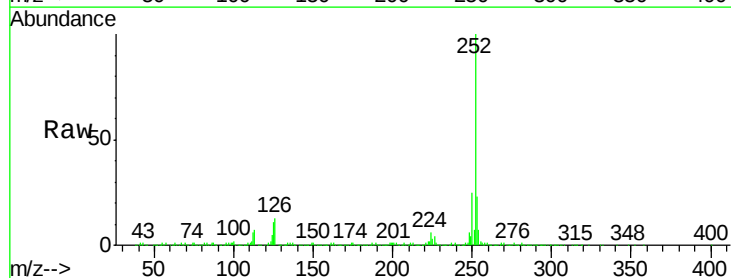
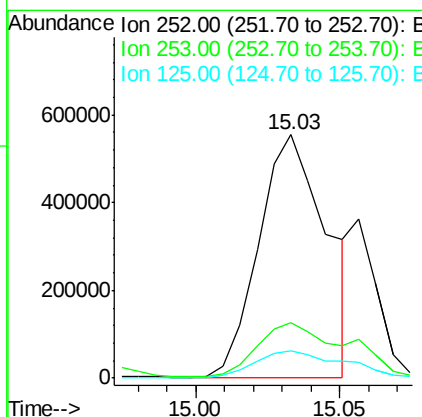
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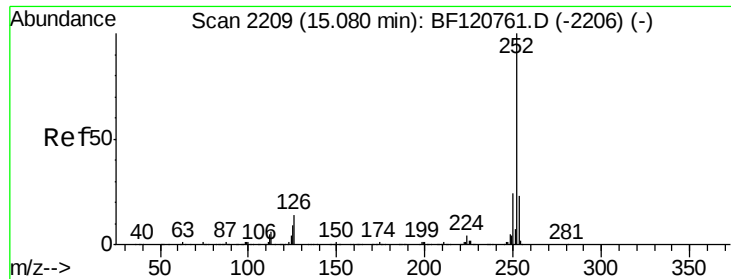
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#88
 Benzo(b)fluoranthene
 Concen: 30.057 ng m
 RT: 15.03 min Scan# 2201
 Delta R.T. -0.00 min
 Lab File: BF120875.D
 Acq: 15 Jul 2020 16:11

Tgt Ion:	252	Resp:	913355
Ion Ratio		Lower	Upper
252	100		
253	23.0	18.0	27.0
125	11.2	7.5	11.3





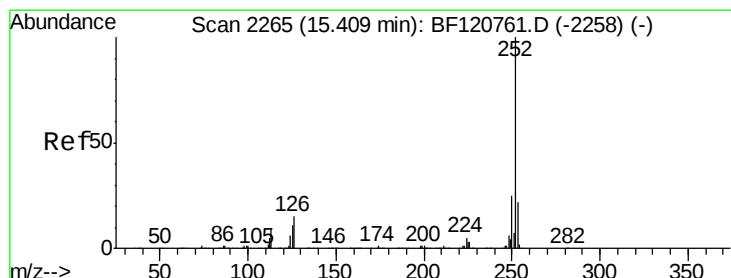
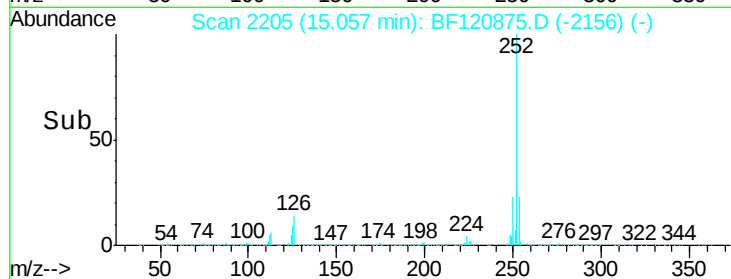
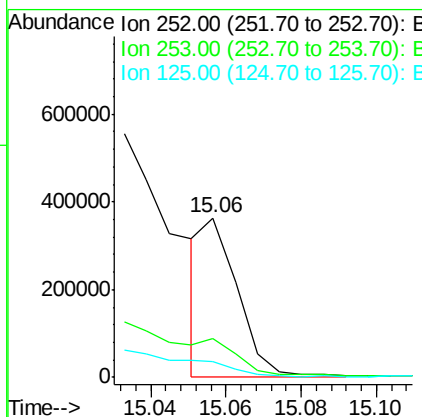
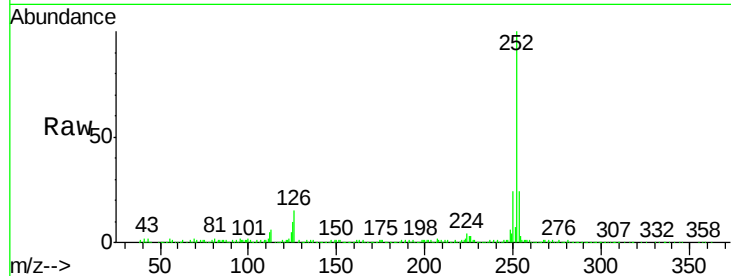
#89
Benzo(k)fluoranthene
Concen: 7.944 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF120875.D
Acq: 15 Jul 2020 16:11

Instrument :
BNA_F
ClientSampleId :
OK-01-071420

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	9.9	7.6	11.4

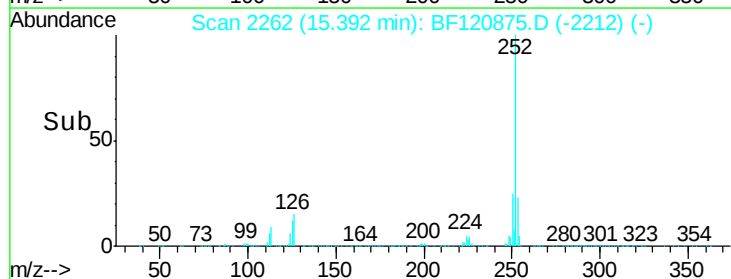
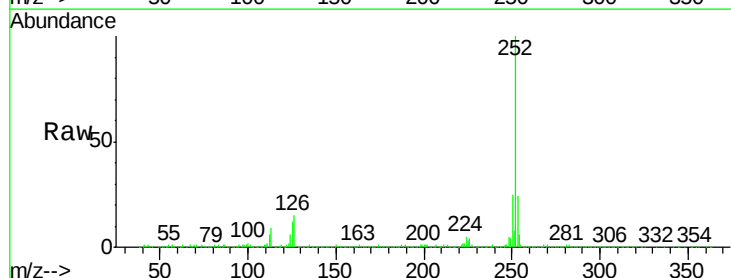
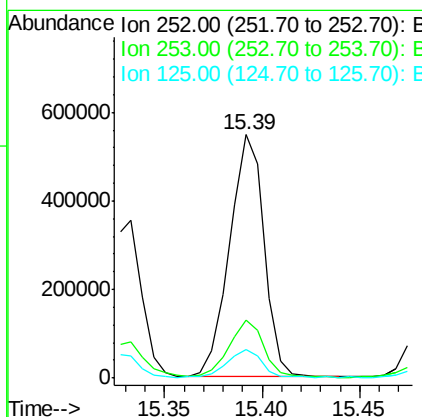
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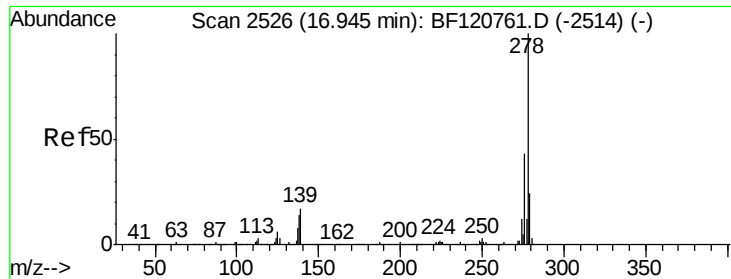
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#90
Benzo(a)pyrene
Concen: 24.602 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF120875.D
Acq: 15 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	11.9	9.2	13.8





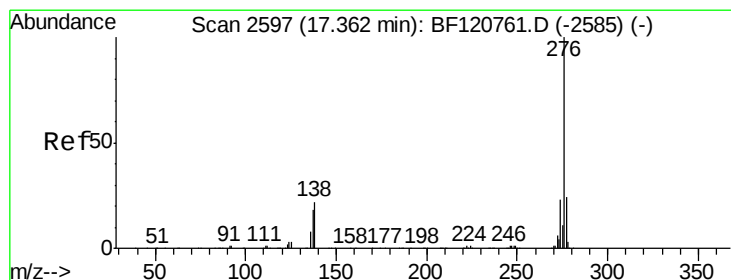
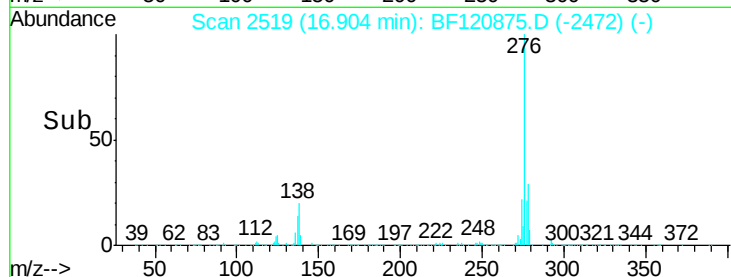
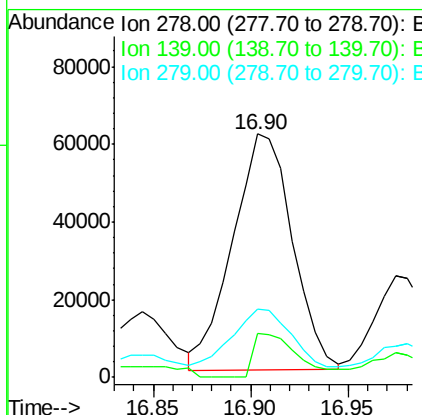
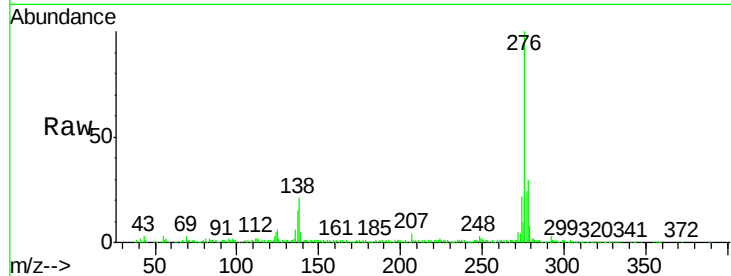
#91
Dibenzo(a,h)anthracene
Concen: 5.204 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.02 min
Lab File: BF120875.D
Acq: 15 Jul 2020 16:11

Instrument :
BNA_F
ClientSampleId :
OK-01-071420

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.2	13.3	19.9
279	27.8	19.0	28.6

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#92
Benzo(g,h,i)perylene
Concen: 18.342 ng
RT: 17.33 min Scan# 2592
Delta R.T. -0.01 min
Lab File: BF120875.D
Acq: 15 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	22.5	17.4	26.2

