

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
 Data File : BF120255.D
 Acq On : 30 Apr 2020 22:29
 Operator : MA/SJ
 Sample : L2441-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RECOVERED-CRUSH-AGGREGAT

Manual Integrations
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 5/4/2020 8:19:14 AM

Quant Time: May 01 03:14:50 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 30 12:39:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	98825	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	390900	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	206672	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	375776	20.00	ng	0.00
76) Chrysene-d12	13.84	240	283443	20.00	ng	0.01
87) Perylene-d12	15.24	264	308796	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	236549	41.37	ng	0.00
7) Phenol-d6	6.30	99	326627	44.33	ng	0.00
23) Nitrobenzene-d5	7.21	82	192616	25.49	ng	-0.01
42) 2,4,6-Tribromophenol	10.49	330	71523	28.27	ng	0.00
45) 2-Fluorobiphenyl	9.02	172	399119	27.42	ng	0.00
79) Terphenyl-d14	12.77	244	453044	26.89	ng	0.00

Target Compounds

						Qvalue
49) Acenaphthylene	9.55	152	160257	7.842	ng	98
50) Dimethylphthalate	9.42	163	77496	4.848	ng	# 99
52) Acenaphthene	9.72	154	89351	6.554	ng	99
55) Dibenzofuran	9.90	168	54275	2.901	ng	95
58) Fluorene	10.24	166	253346	16.933	ng	98
71) Phenanthrene	11.23	178	4549130	227.465	ng	99
72) Anthracene	11.27	178	1511940	74.005	ng	99
73) Carbazole	11.42	167	103007	5.332	ng	98
75) Fluoranthene	12.42	202	4840138	224.300	ng	97
78) Pyrene	12.66	202	5812070	243.236	ng	95
81) Benzo(a)anthracene	13.83	228	2756163	147.810	ng	97
83) Chrysene	13.87	228	2331795	123.071	ng	98
84) Bis(2-ethylhexyl)phthalate	13.82	149	820344	52.247	ng	99
85) Di-n-octyl phthalate	14.43	149	70080	2.621	ng	# 95
86) Indeno(1,2,3-cd)pyrene	16.62	276	1066121	63.834	ng	96
88) Benzo(b)fluoranthene	14.86	252	2508614m	112.929	ng	
89) Benzo(k)fluoranthene	14.88	252	410862m	21.436	ng	
90) Benzo(a)pyrene	15.20	252	1972013	105.582	ng	99
91) Dibenzo(a,h)anthracene	16.62	278	287272	17.364	ng	98
92) Benzo(a,h,i)perylene	17.03	276	1015068	62.156	ng	96

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

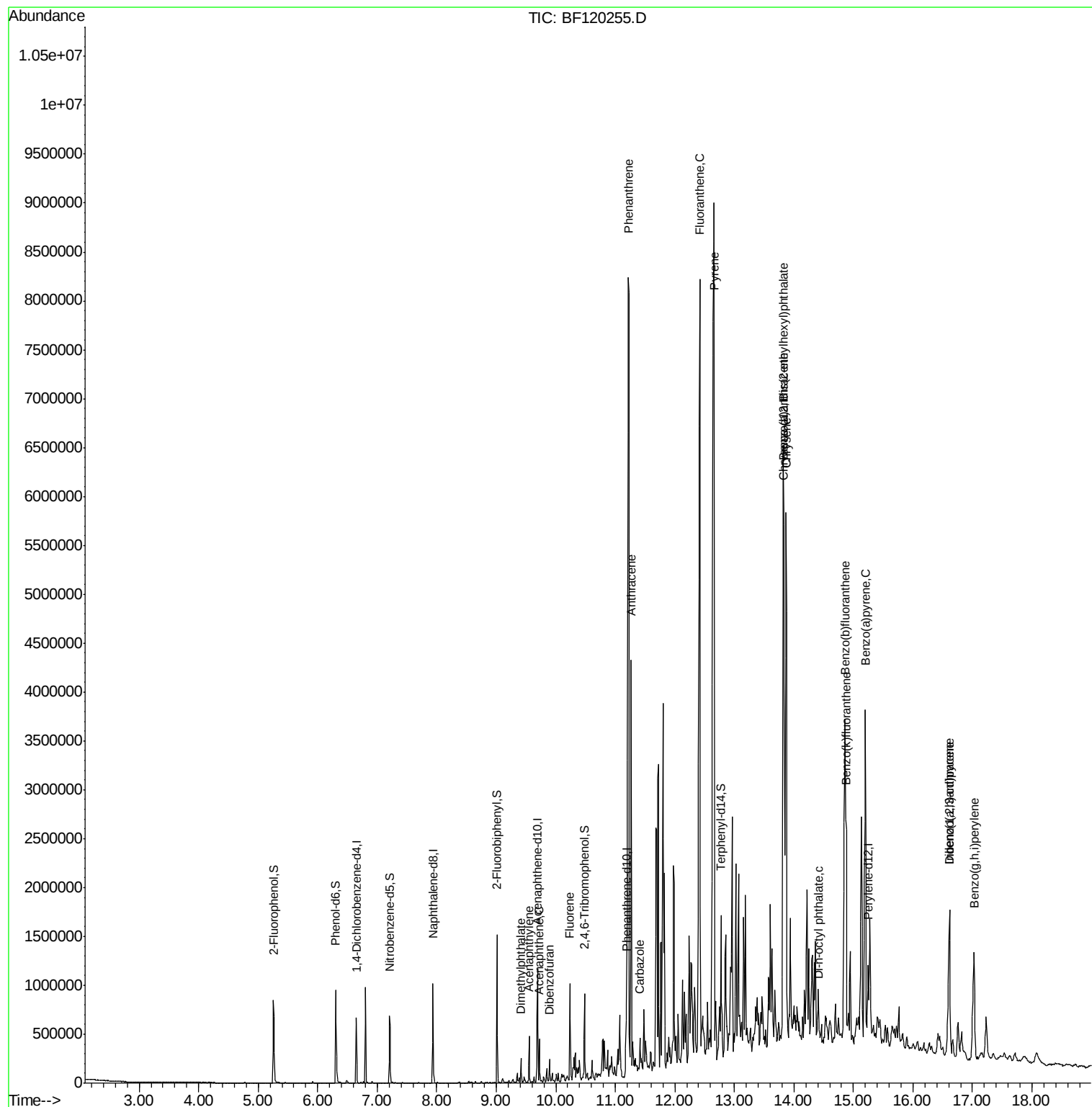
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
Data File : BF120255.D
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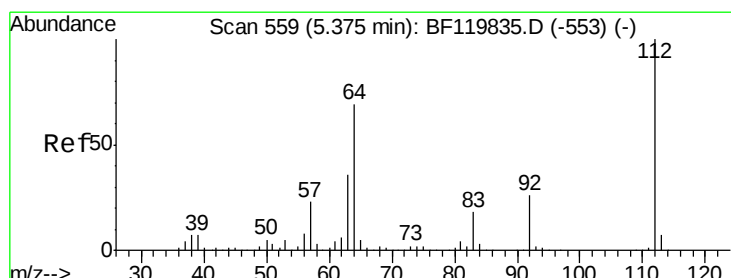
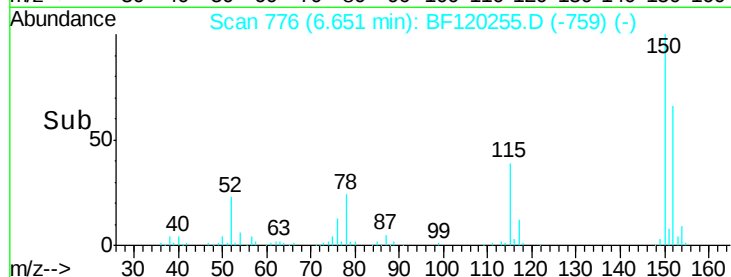
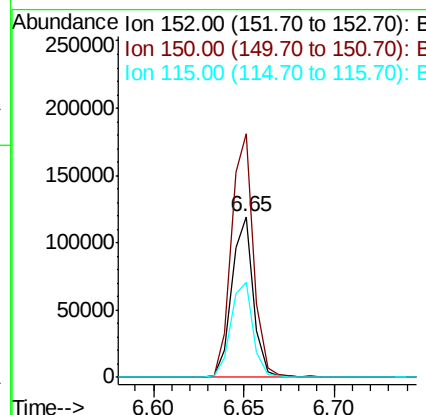
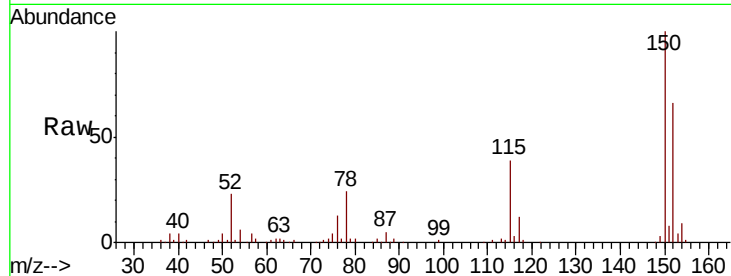
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.65 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: BF120255.D
 Acq: 30 Apr 2020 22:29

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	124.5	186.7
115	58.8	49.6	74.4

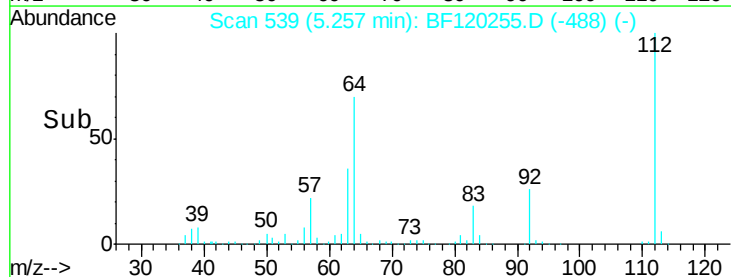
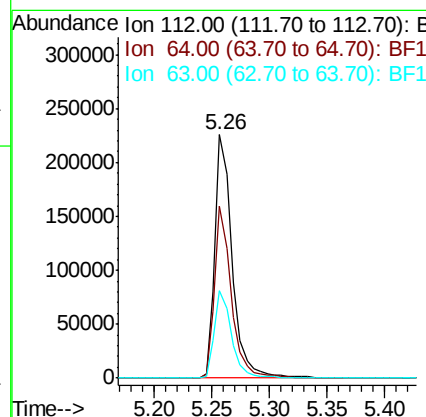
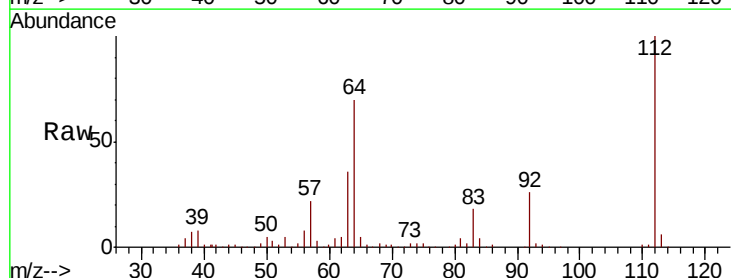
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#5
 2-Fluorophenol
 Concen: 41.366 ng
 RT: 5.26 min Scan# 539
 Delta R.T. -0.00 min
 Lab File: BF120255.D
 Acq: 30 Apr 2020 22:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.4	56.7	85.1
63	36.1	29.5	44.3





#7

Phenol-d6

Concen: 44.328 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF120255.D

Acq: 30 Apr 2020 22:29

Instrument :

BNA_F

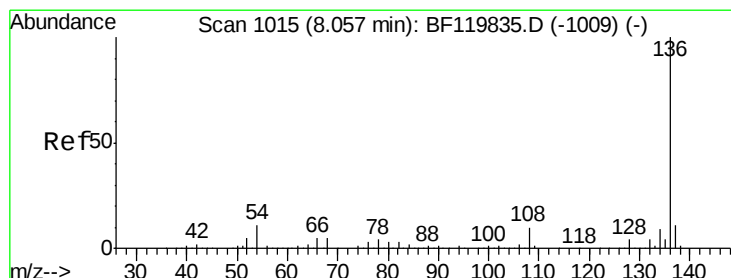
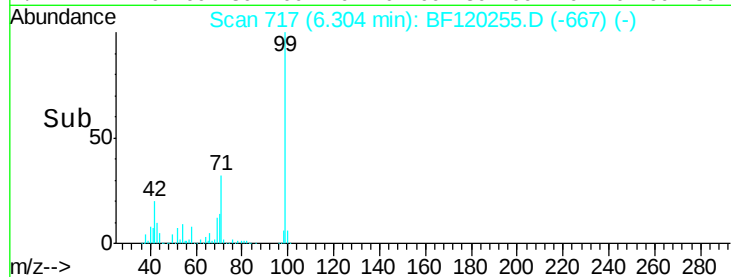
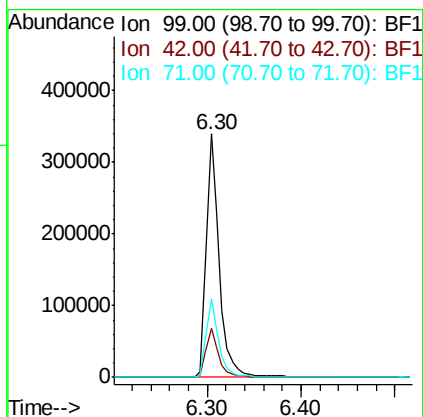
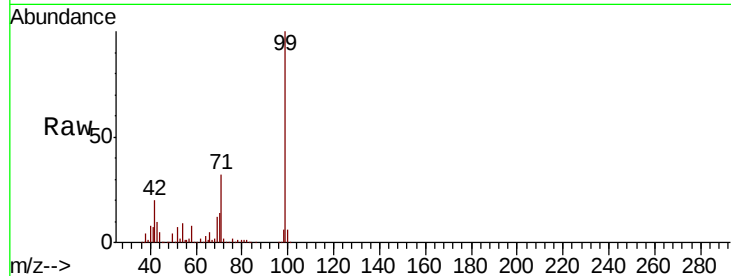
ClientSampleId :

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Tot Ion:	99	Resp:	326627
Ion	Ratio	Lower	Upper
99	100		
42	20.3	16.6	24.8
71	32.3	26.4	39.6

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#21

Naphthalene-d8

Concen: 20.000 ng

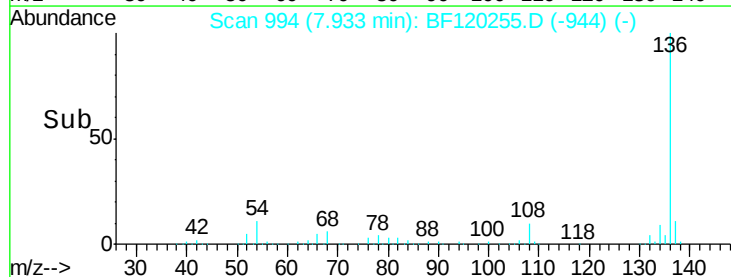
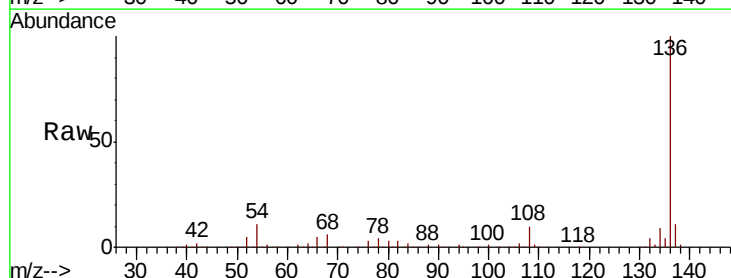
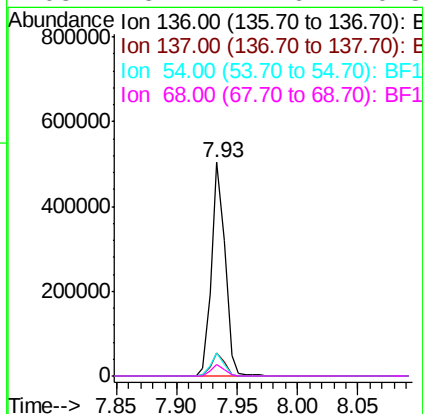
RT: 7.93 min Scan# 994

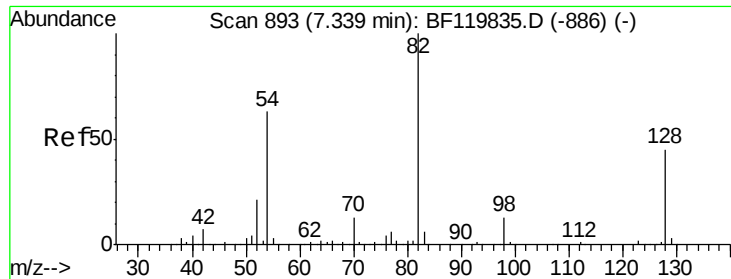
Delta R.T. -0.01 min

Lab File: BF120255.D

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Tgt Ion:	136	Resp:	390900
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	10.7	9.1	13.7
68	5.7	4.6	6.8





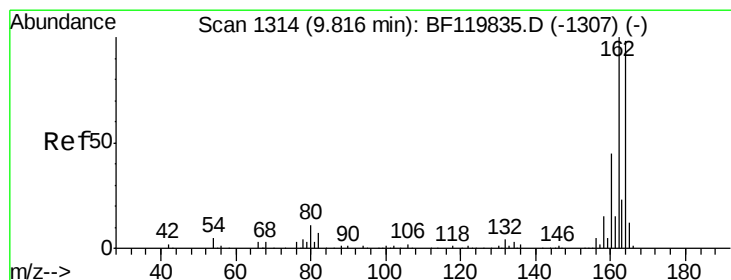
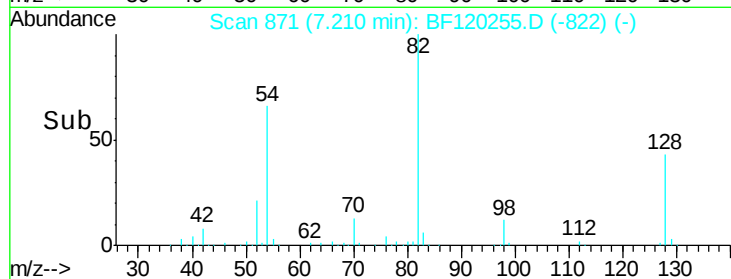
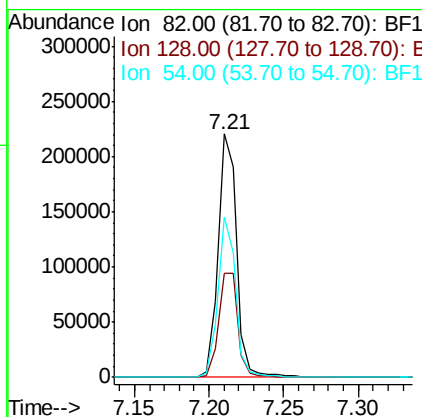
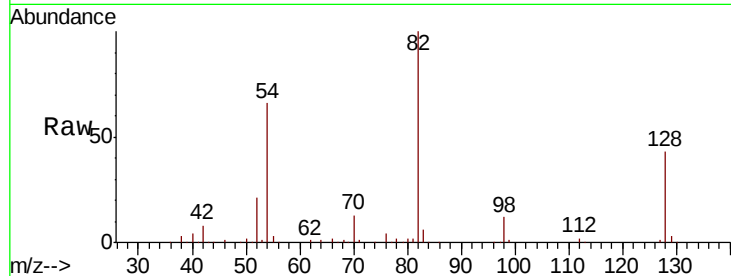
#23
 Nitrobenzene-d5
 Concen: 25.492 ng
 RT: 7.21 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: BF120255.D
 Acq: 30 Apr 2020 22:29

Instrument :
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 ClientSampleId :
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Tot Ion:	82	Resp:	192616
Ion Ratio	Lower	Upper	
82	100		
128	43.0	36.3	54.5
54	66.1	50.6	75.8

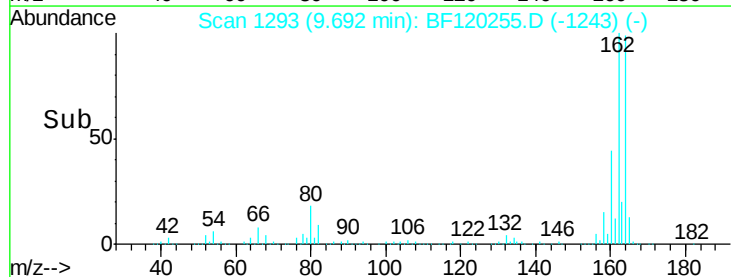
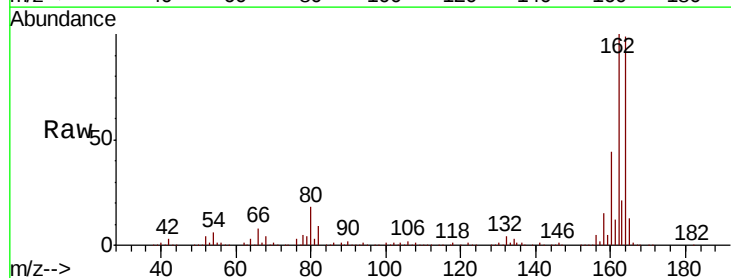
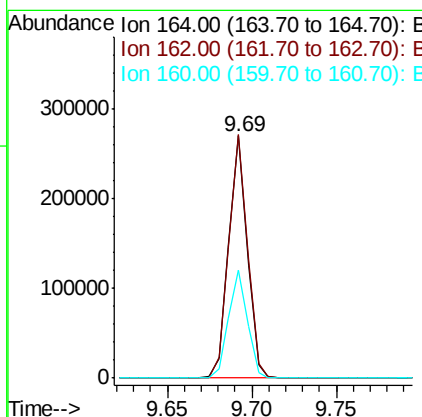
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF120255.D
 Acq: 30 Apr 2020 22:29

Tgt Ion:	164	Resp:	206672
Ion Ratio	Lower	Upper	
164	100		
162	100.7	80.6	121.0
160	44.6	35.7	53.5





#42

2,4,6-Tribromophenol

Concen: 28.266 ng

RT: 10.49 min Scan# 1428

Delta R.T. -0.00 min

Lab File: BF120255.D

Acq: 30 Apr 2020 22:29

Instrument :

BNA_F

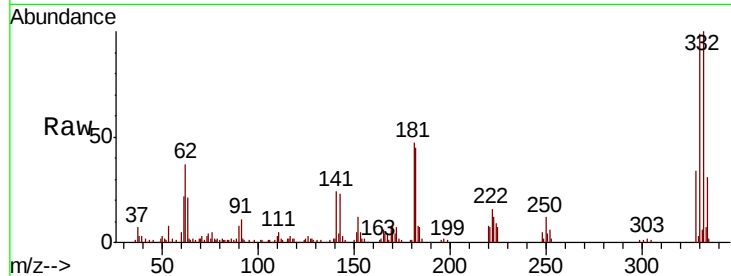
ClientSampleId :

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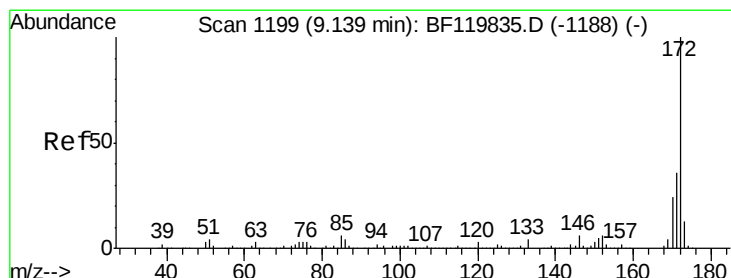
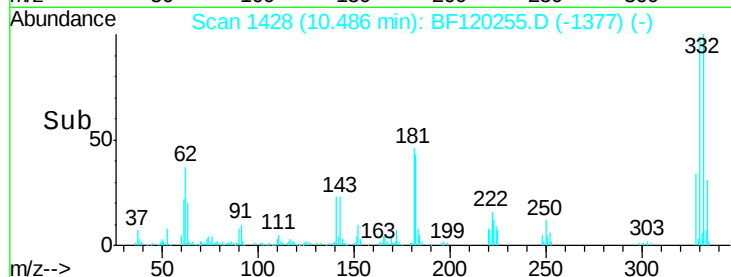
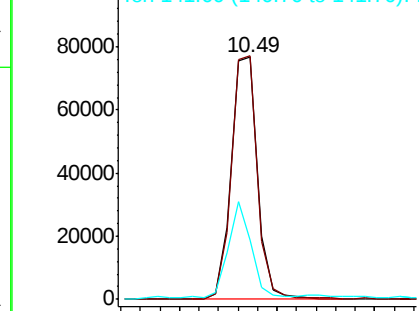
Tot Ion:	330	Resp:	71523
Ion Ratio	Lower	Upper	
330	100		
332	99.2	75.7	113.5
141	35.7	25.4	38.0

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 27.418 ng

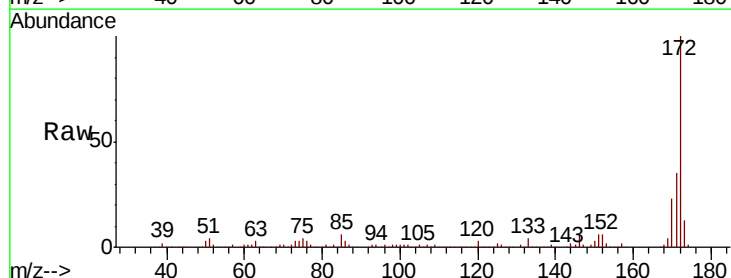
RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

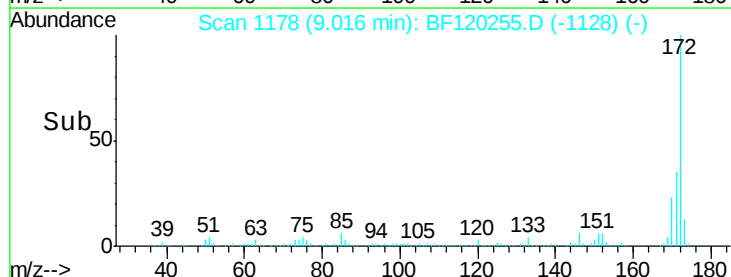
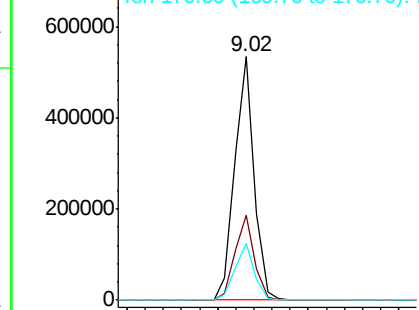
Lab File: BF120255.D

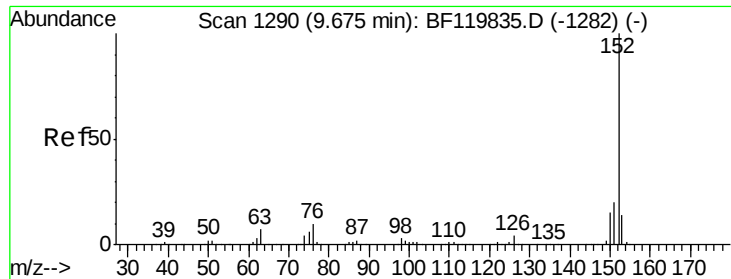
Acq: 30 Apr 2020 22:29

Tgt Ion:	172	Resp:	399119
Ion Ratio	Lower	Upper	
172	100		
171	35.1	29.6	44.4
170	23.5	20.2	30.2



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 7.842 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120255.D

Acq: 30 Apr 2020 22:29

Instrument :

BNA_F

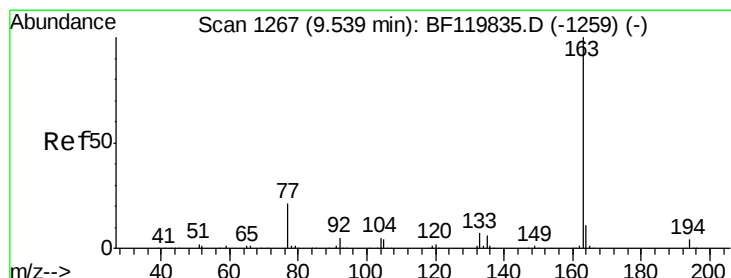
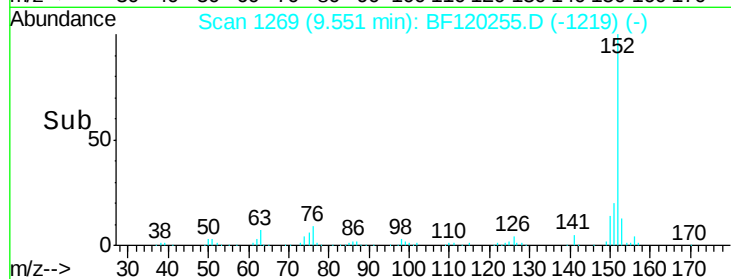
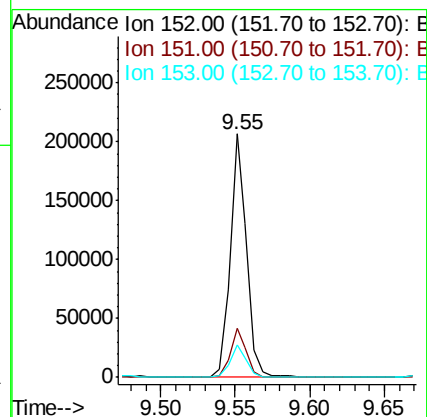
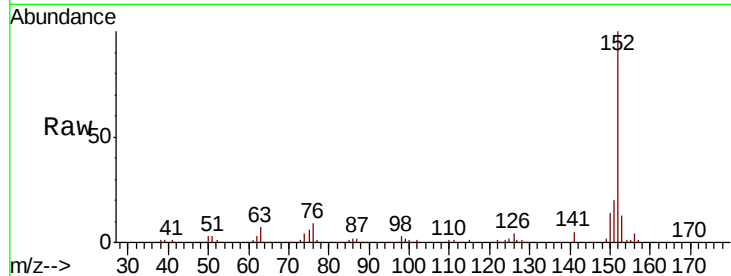
ClientSampleId :

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Tot Ion:	152	Resp:	160257
Ion Ratio		Lower	Upper
152	100		
151	20.3	17.2	25.8
153	13.1	11.2	16.8

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#50

Dimethylphthalate

Concen: 4.848 ng

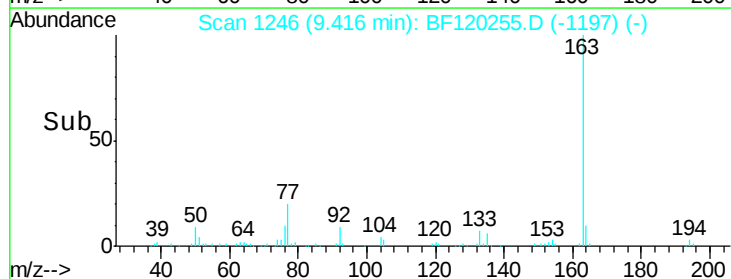
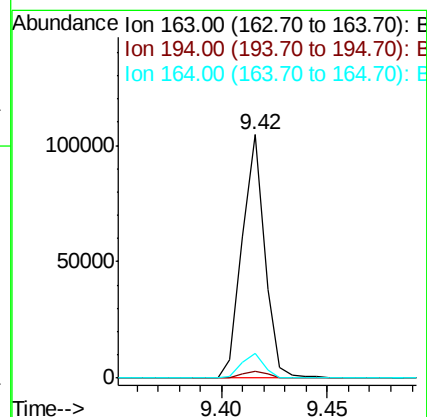
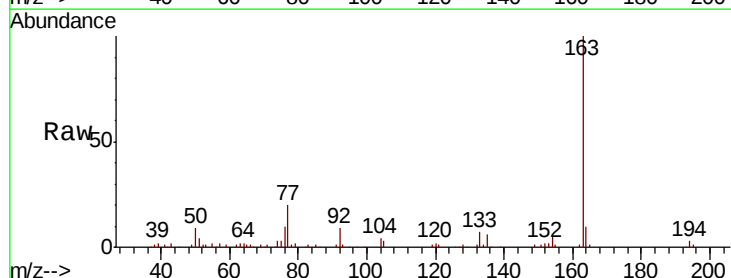
RT: 9.42 min Scan# 1246

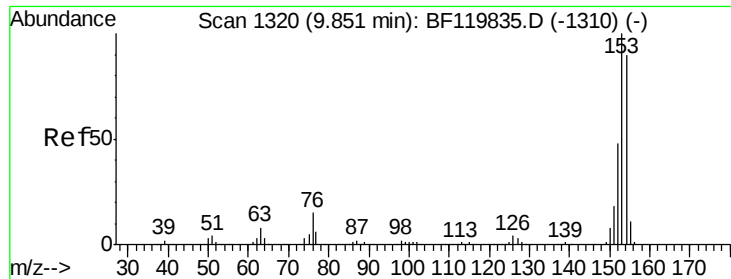
Delta R.T. -0.01 min

Lab File: BF120255.D

Acq: 30 Apr 2020 22:29

Tgt Ion:	163	Resp:	77496
Ion Ratio		Lower	Upper
163	100		
194	3.0	3.1	4.7#
164	9.9	8.2	12.2





#52

Acenaphthene

Concen: 6.554 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF120255.D

Acq: 30 Apr 2020 22:29

Instrument :

BNA_F

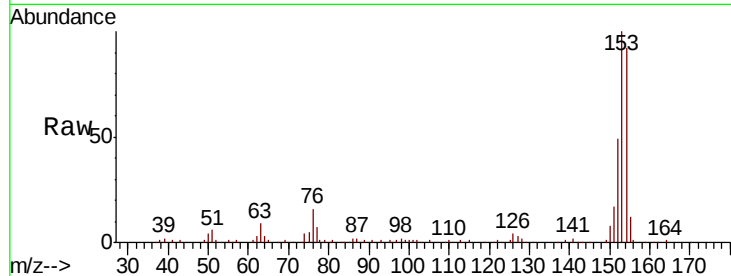
ClientSampleId :

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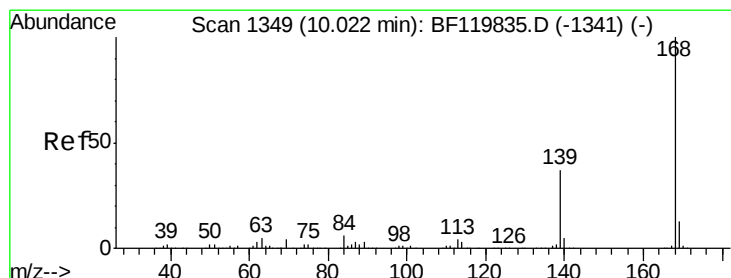
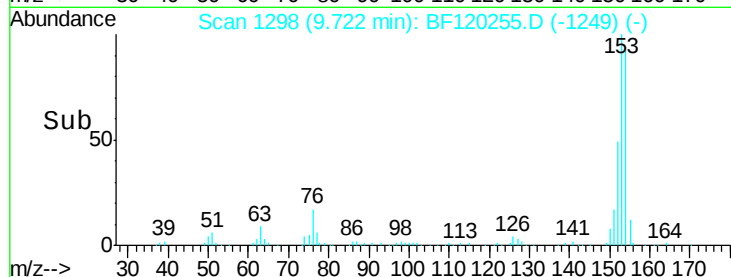
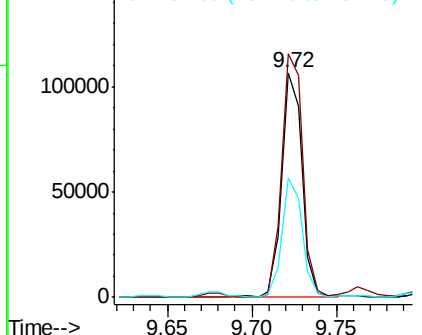
Tot Ion:	154	Resp:	89351
Ion Ratio	Lower	Upper	
154	100		
153	108.3	88.1	132.1
152	53.1	43.0	64.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.901 ng

RT: 9.90 min Scan# 1328

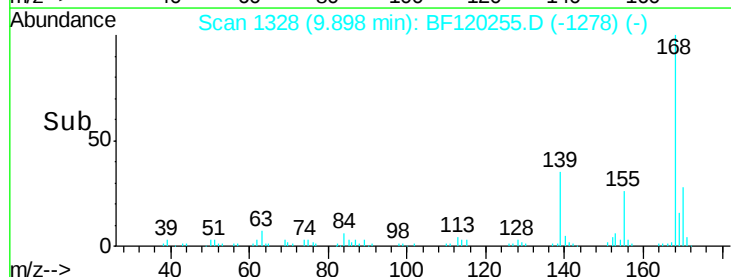
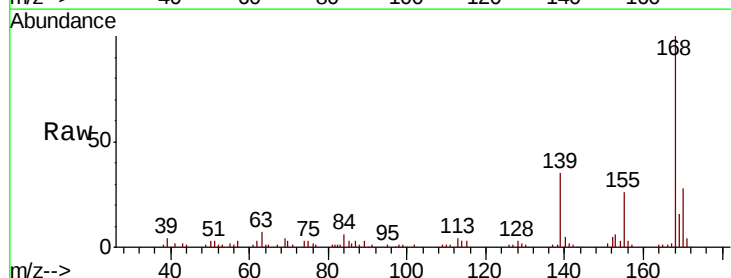
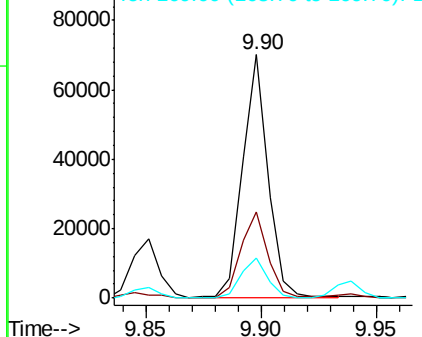
Delta R.T. -0.01 min

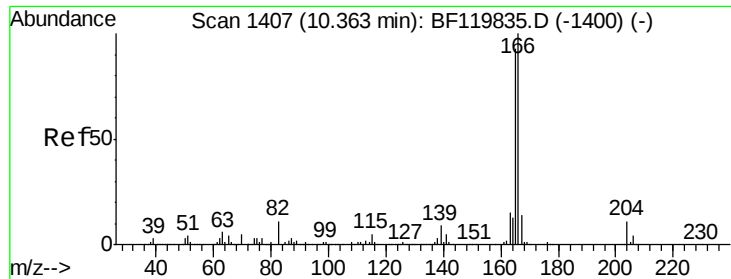
Lab File: BF120255.D

Acq: 30 Apr 2020 22:29

Tgt Ion:	168	Resp:	54275
Ion Ratio	Lower	Upper	
168	100		
139	35.2	30.1	45.1
169	16.2	11.0	16.6

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: 16.933 ng

RT: 10.24 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BF120255.D

Acq: 30 Apr 2020 22:29

Instrument :

BNA_F

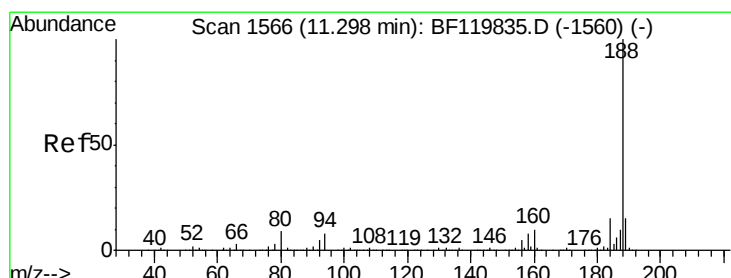
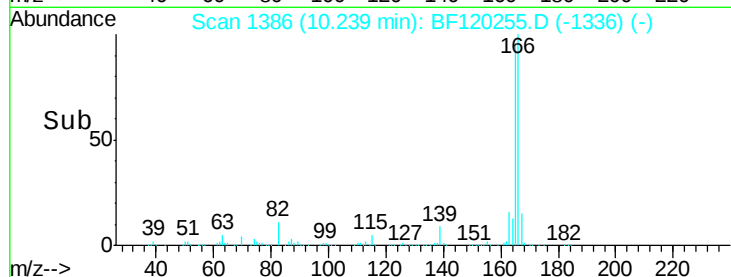
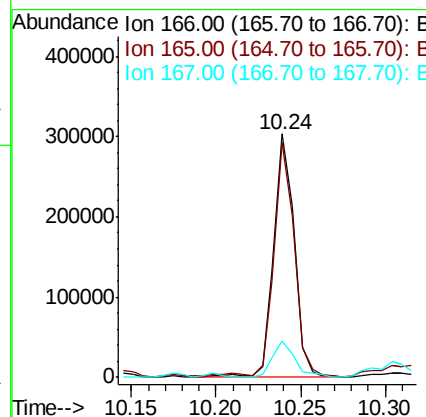
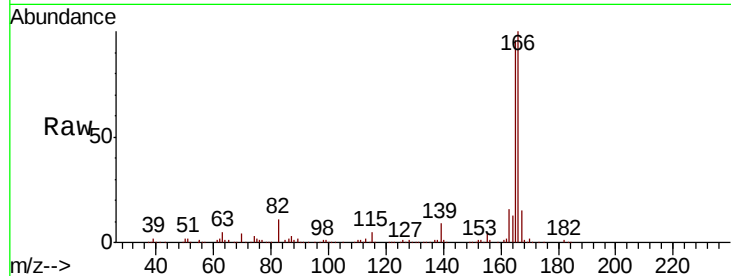
ClientSampleId :

RECOVERED-CRUSH-AGGREGAT

Tot Ion:	166	Resp:	253346
Ion Ratio	Lower	Upper	
166	100		
165	96.4	75.4	113.2
167	15.0	11.2	16.8

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#64

Phenanthrene-d10

Concen: 20.000 ng

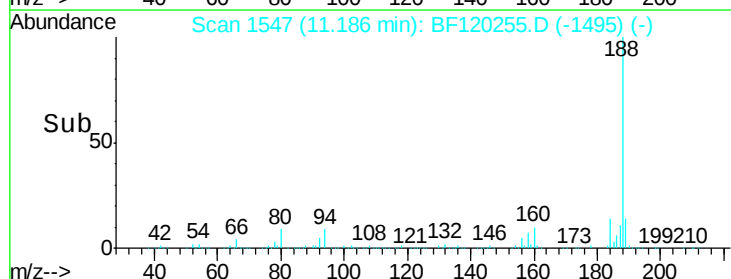
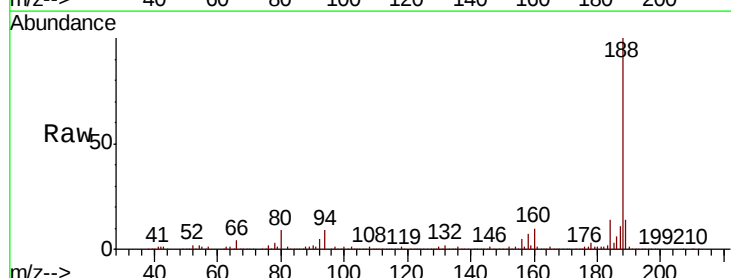
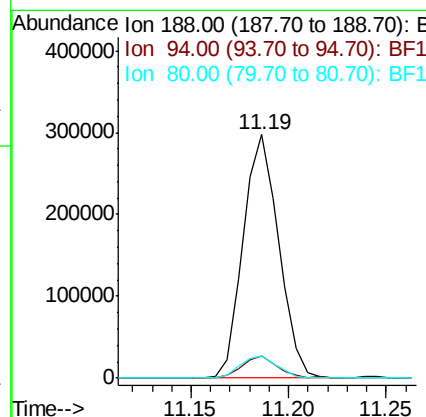
RT: 11.19 min Scan# 1547

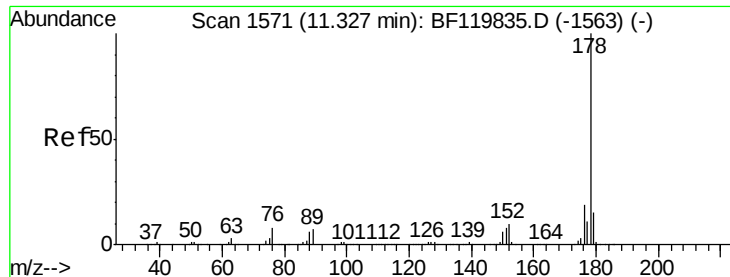
Delta R.T. 0.01 min

Lab File: BF120255.D

Acq: 30 Apr 2020 22:29

Tgt Ion:	188	Resp:	375776
Ion Ratio	Lower	Upper	
188	100		
94	8.9	7.5	11.3
80	9.0	9.0	13.4





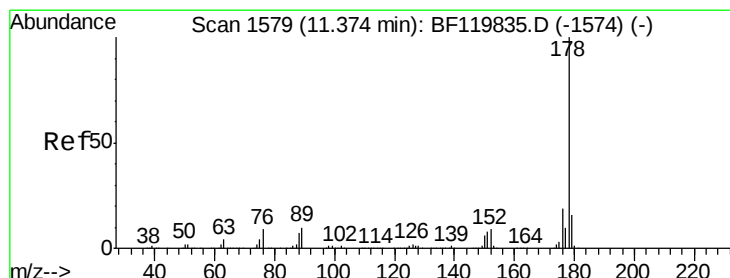
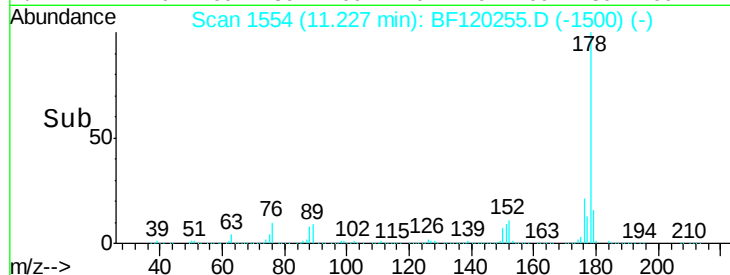
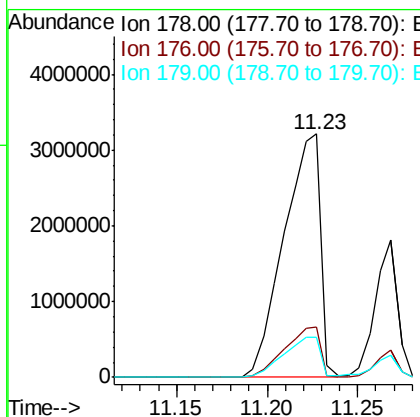
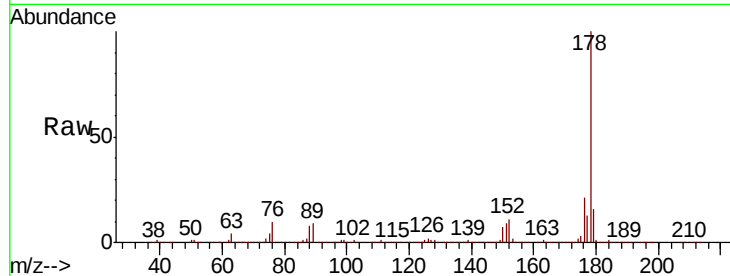
#71
Phenanthrene
Concen: 227.465 ng
RT: 11.23 min Scan# 1554
Delta R.T. 0.02 min
Lab File: BF120255.D
Acq: 30 Apr 2020 22:29

Instrument :
BNA_F
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

Tot Ion:178 Resp: 4549130
Ion Ratio Lower Upper
178 100
176 20.9 16.2 24.4
179 16.5 13.2 19.8

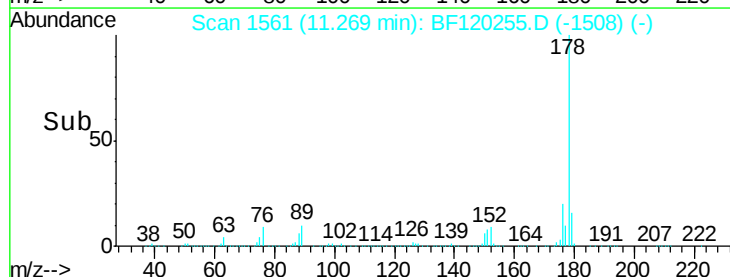
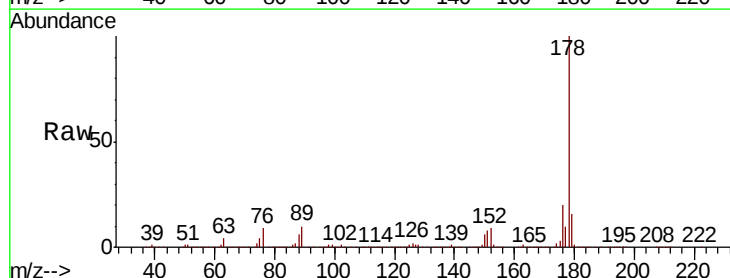
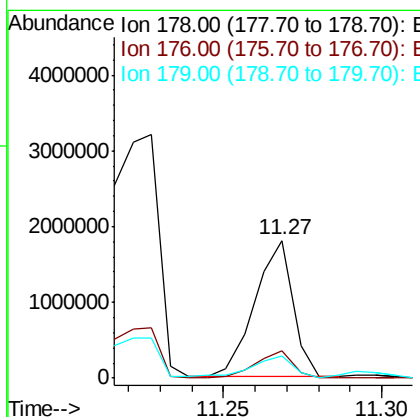
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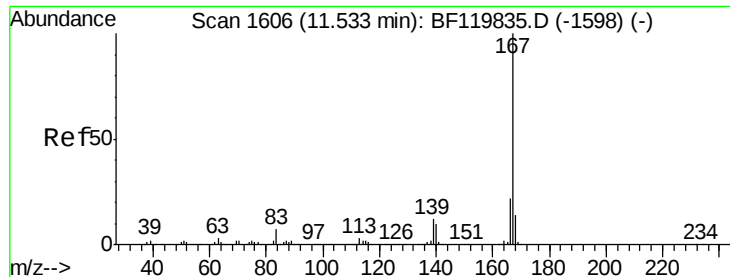
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#72
Anthracene
Concen: 74.005 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF120255.D
Acq: 30 Apr 2020 22:29

Tgt Ion:178 Resp: 1511940
Ion Ratio Lower Upper
178 100
176 19.7 16.1 24.1
179 16.0 13.0 19.4





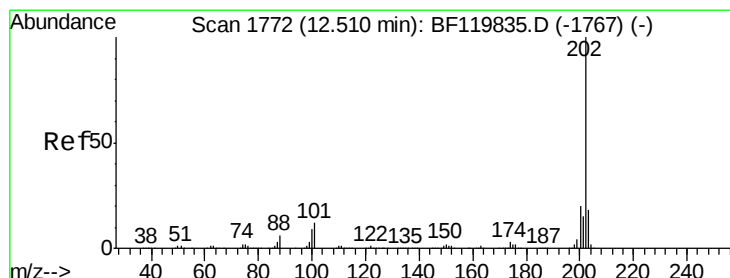
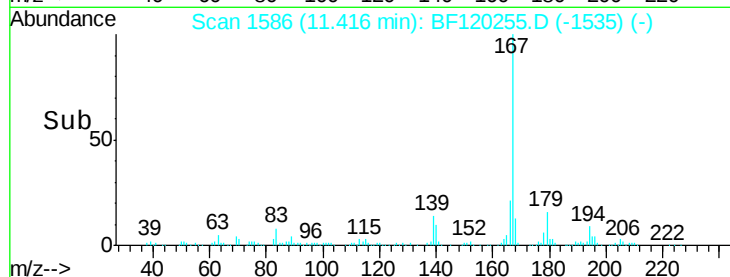
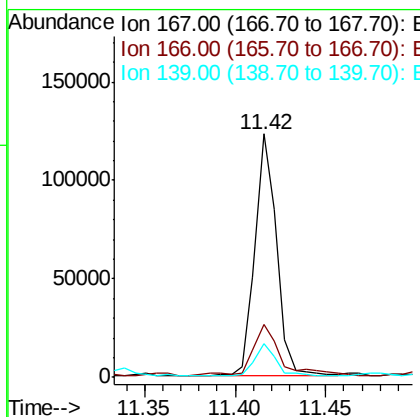
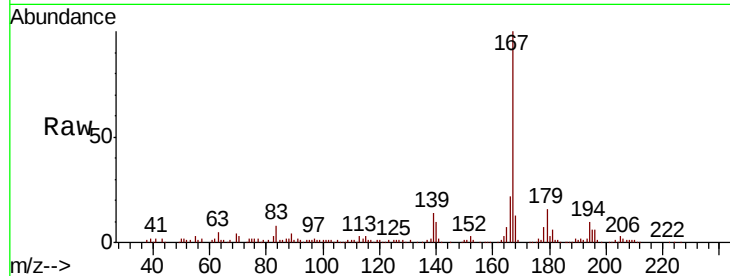
#73
 Carbazole
 Concen: 5.332 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF120255.D
 Acq: 30 Apr 2020 22:29

Instrument :
 BNA_F
 ClientSampleId :
 RECOVERED-CRUSH-AGGREGAT

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.2	27.4
139	14.0	10.7	16.1

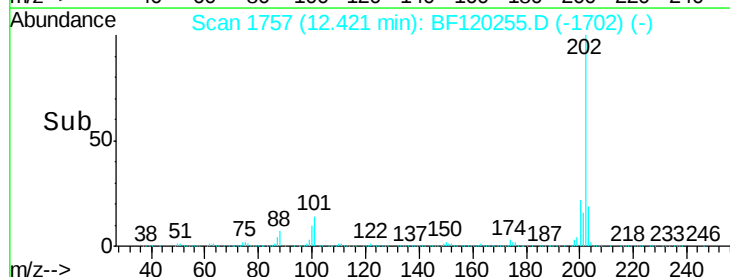
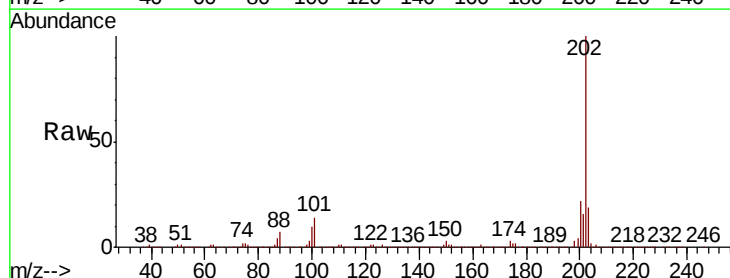
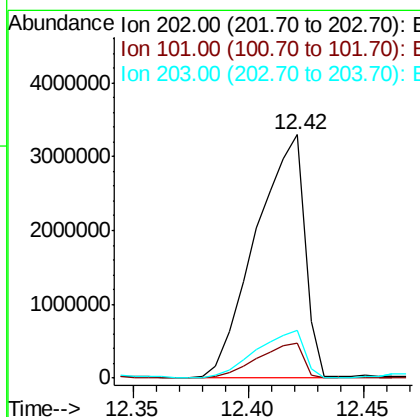
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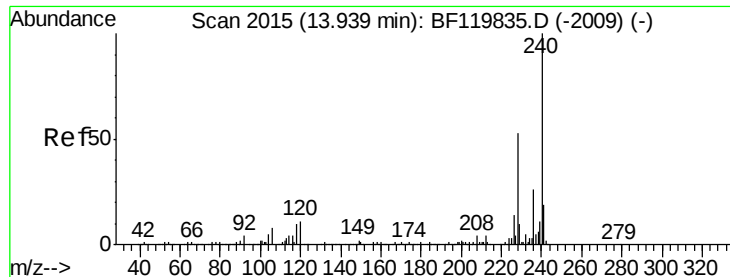
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#75
 Fluoranthene
 Concen: 224.300 ng
 RT: 12.42 min Scan# 1757
 Delta R.T. 0.02 min
 Lab File: BF120255.D
 Acq: 30 Apr 2020 22:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	32.2
203	19.4	0.0	38.8





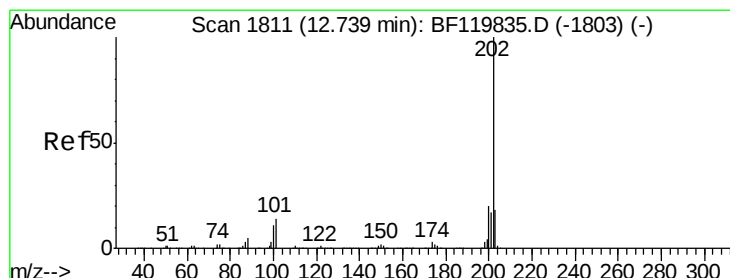
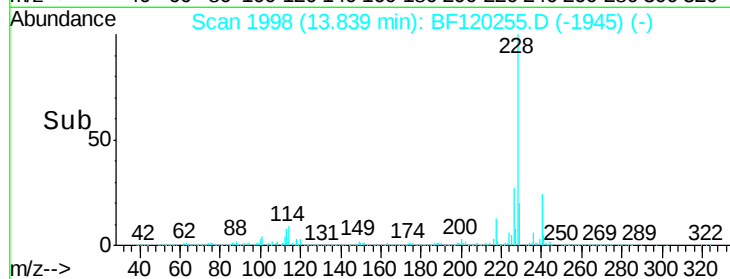
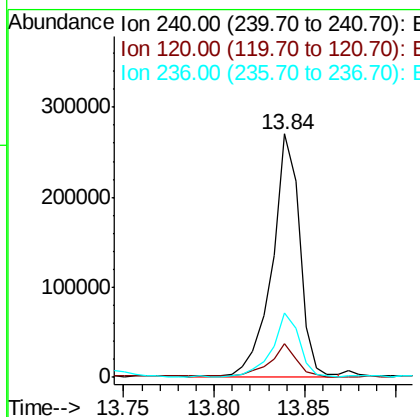
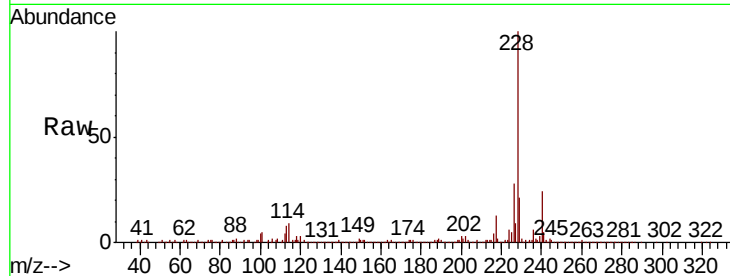
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. 0.01 min
Lab File: BF120255.D
Acq: 30 Apr 2020 22:29

Instrument :
BNA_F
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.7	10.6	15.8
236	26.7	20.2	30.2

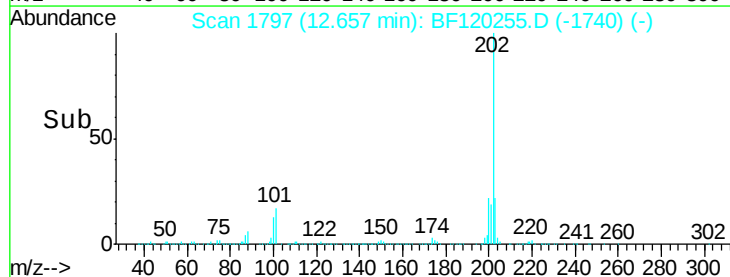
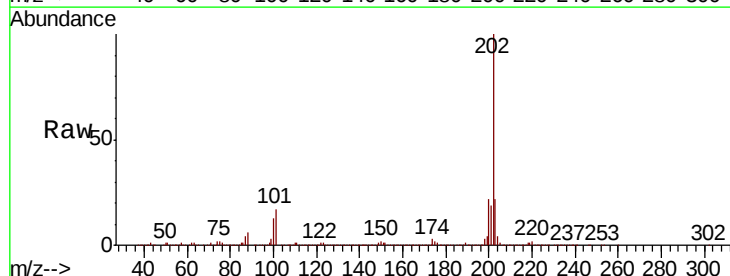
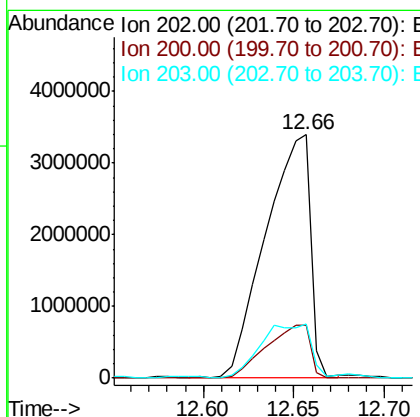
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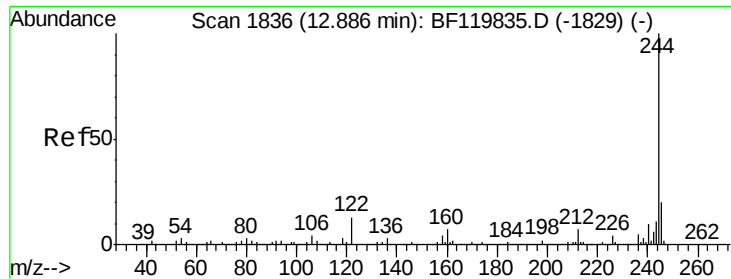
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#78
Pyrene
Concen: 243.236 ng
RT: 12.66 min Scan# 1797
Delta R.T. 0.04 min
Lab File: BF120255.D
Acq: 30 Apr 2020 22:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.8	25.2
203	22.5	15.1	22.7





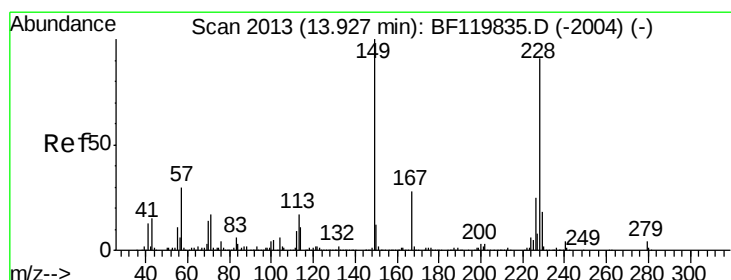
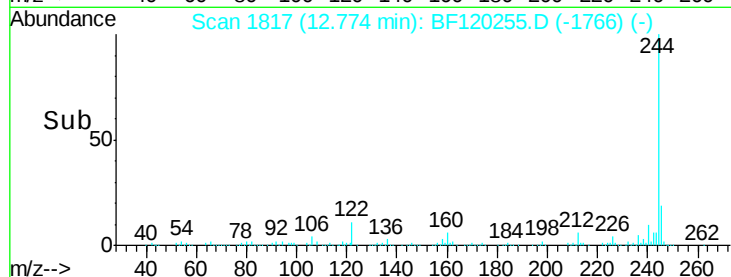
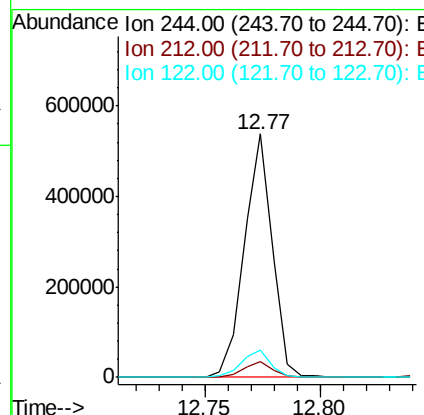
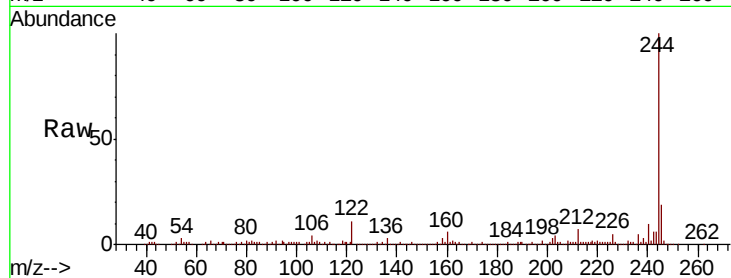
#79
 Terphenyl-d14
 Concen: 26.895 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: BF120255.D
 Acq: 30 Apr 2020 22:29

Instrument :
 BNA_F
 ClientSampleId :
 RECOVERED-CRUSH-AGGREGAT

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.8
122	11.2	10.3	15.5

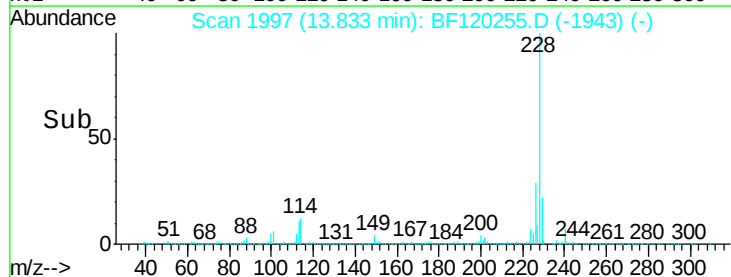
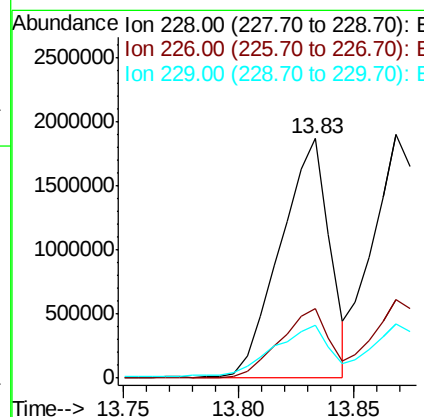
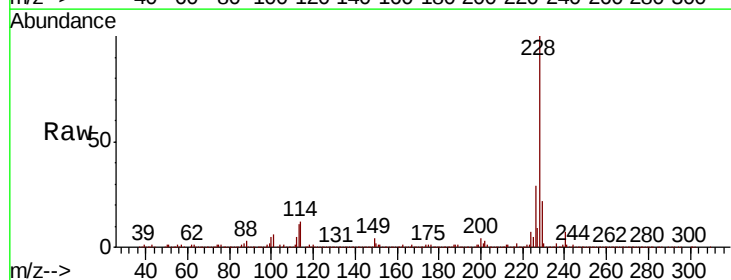
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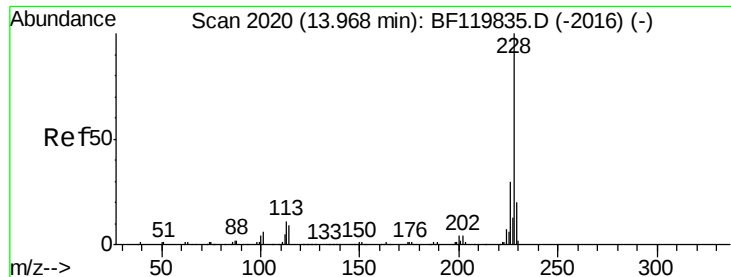
mohammad
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#81
 Benzo(a)anthracene
 Concen: 147.810 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. 0.02 min
 Lab File: BF120255.D
 Acq: 30 Apr 2020 22:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	21.8	32.8
229	21.8	16.2	24.4





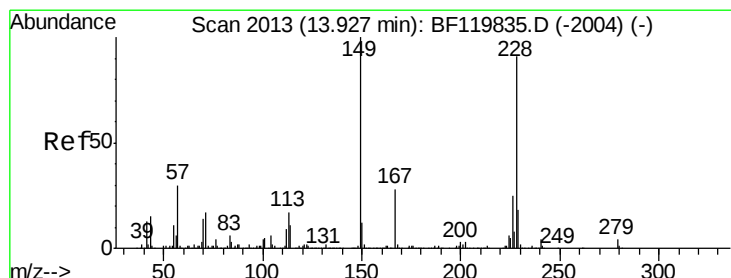
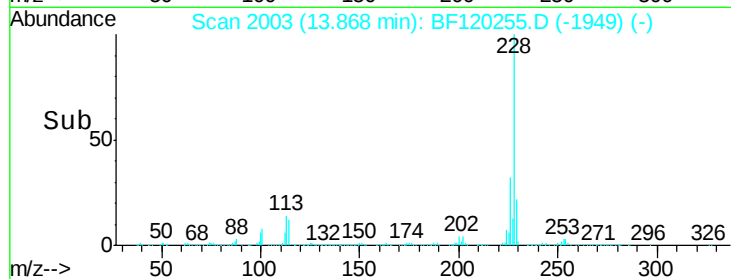
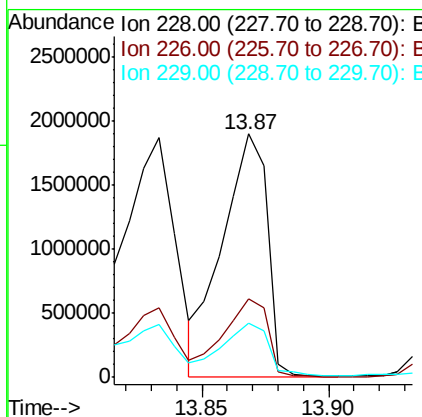
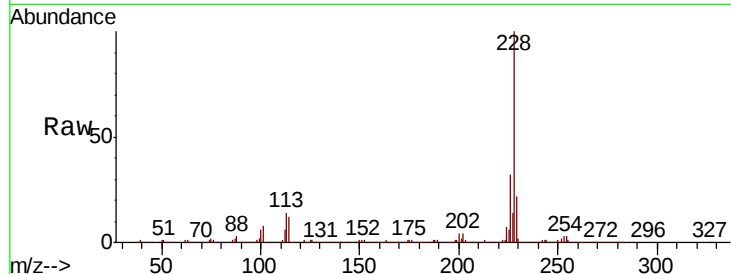
#83
Chrysene
Concen: 123.071 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.02 min
Lab File: BF120255.D
Acq: 30 Apr 2020 22:29

Instrument :
BNA_F
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

Tot Ion:228 Resp: 2331795
Ion Ratio Lower Upper
228 100
226 32.2 25.4 38.0
229 22.4 16.6 24.8

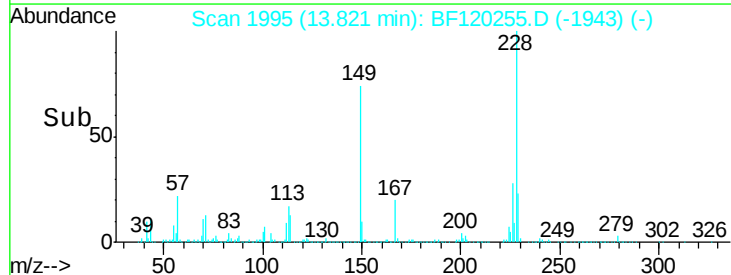
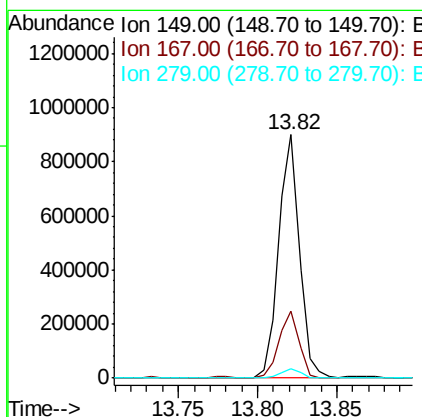
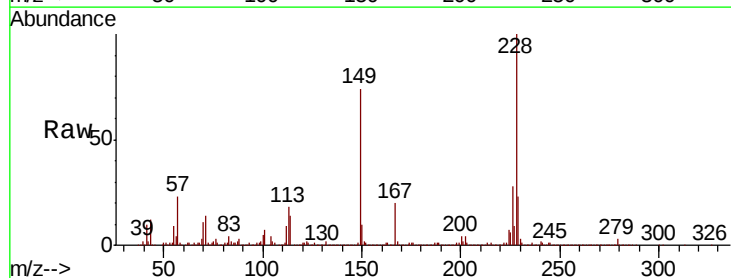
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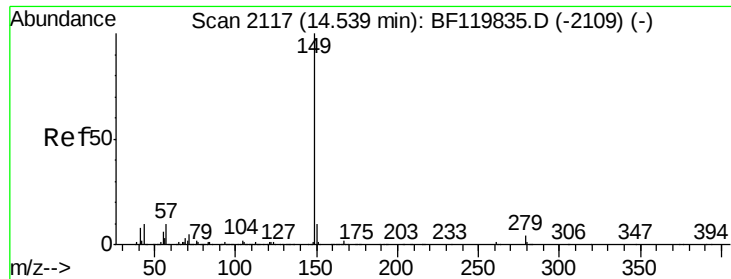
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#84
Bis(2-ethylhexyl)phthalate
Concen: 52.247 ng
RT: 13.82 min Scan# 1995
Delta R.T. 0.01 min
Lab File: BF120255.D
Acq: 30 Apr 2020 22:29

Tgt Ion:149 Resp: 820344
Ion Ratio Lower Upper
149 100
167 27.4 21.3 31.9
279 3.6 2.7 4.1





#85

Di-n-octyl phthalate

Concen: 2.621 ng

RT: 14.43 min Scan# 2098

Delta R.T. -0.00 min

Lab File: BF120255.D

Acq: 30 Apr 2020 22:29

Instrument :

BNA_F

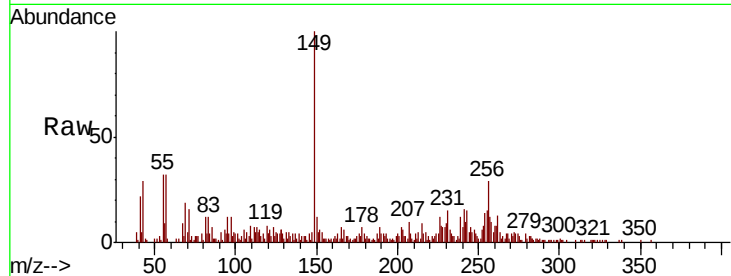
ClientSampleId :

RECOVERED-CRUSH-AGGREGAT

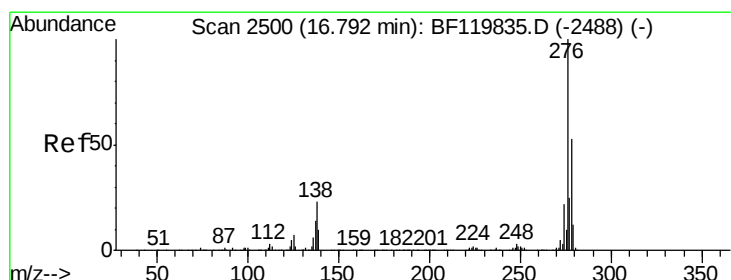
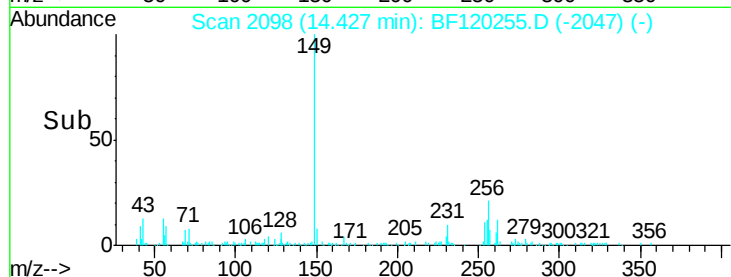
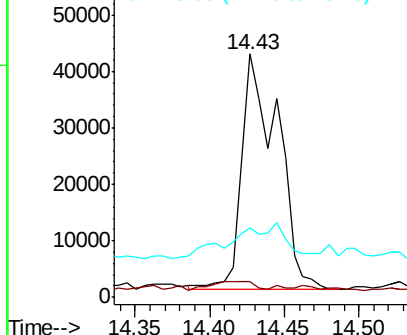
Tot Ion:	149	Resp:	70080
Ion Ratio	Lower	Upper	
149	100		
167	4.4	1.2	1.8#
43	13.3	9.3	13.9

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 63.834 ng

RT: 16.62 min Scan# 2470

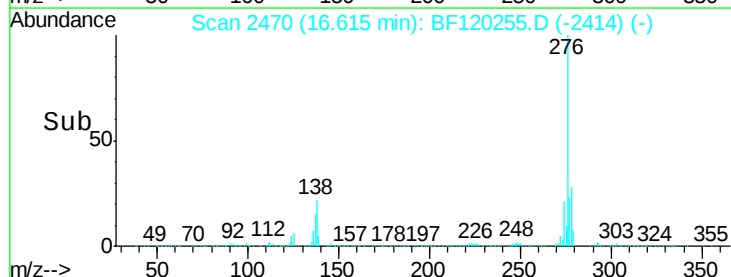
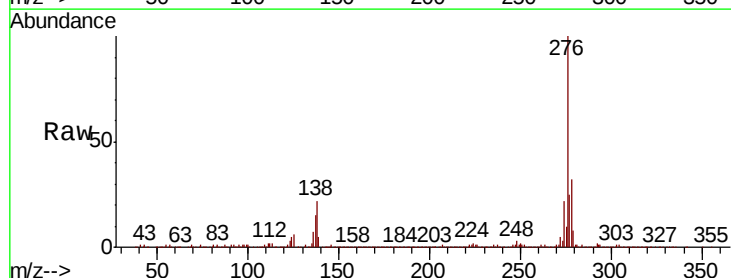
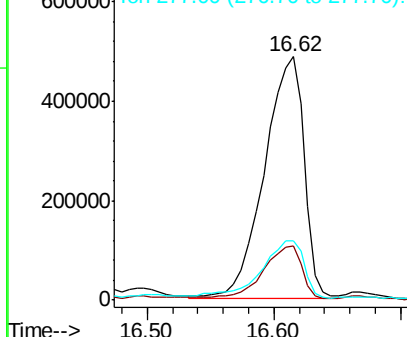
Delta R.T. 0.03 min

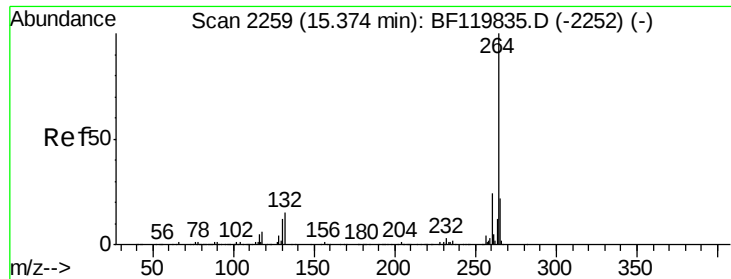
Lab File: BF120255.D

Acq: 30 Apr 2020 22:29

Tgt Ion:	276	Resp:	1066121
Ion Ratio	Lower	Upper	
276	100		
138	21.7	19.6	29.4
277	26.0	20.0	30.0

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

Pervlene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.02 min

Lab File: BF120255.D

Acq: 30 Apr 2020 22:29

Instrument :

BNA_F

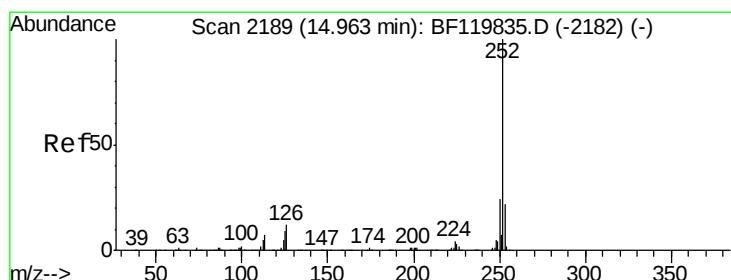
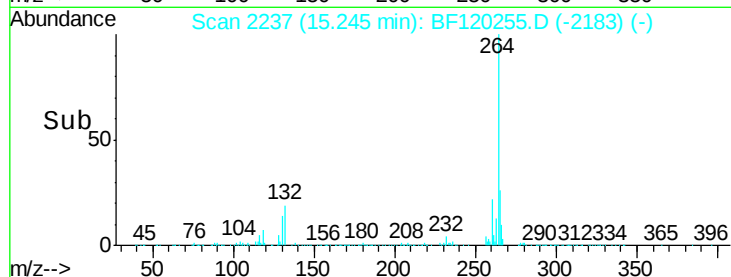
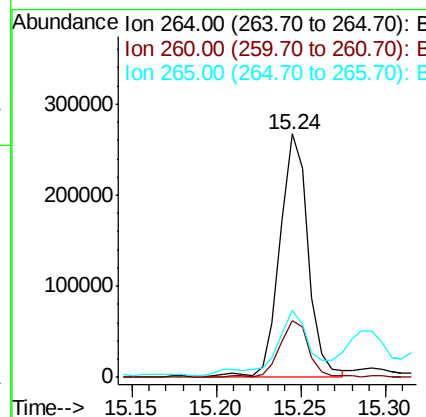
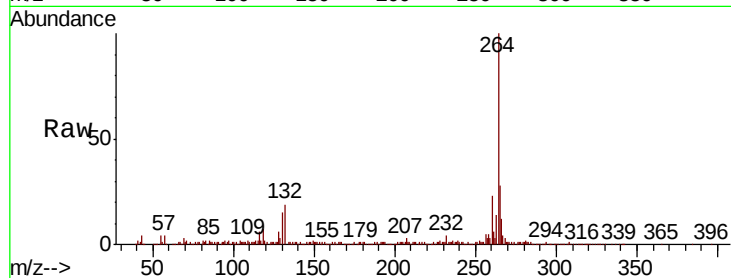
ClientSampleId :

RECOVERED-CRUSH-AGGREGAT

Tot Ion:	264	Resp:	308796
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.7	28.1
265	27.7	17.7	26.5#

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#88

Benzo(b)fluoranthene

Concen: 112.929 ng m

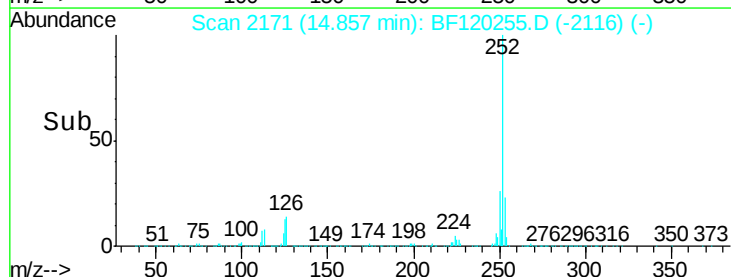
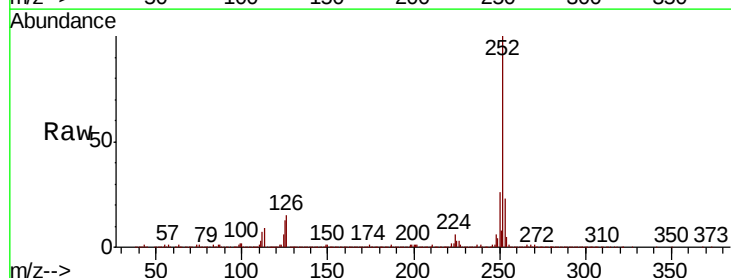
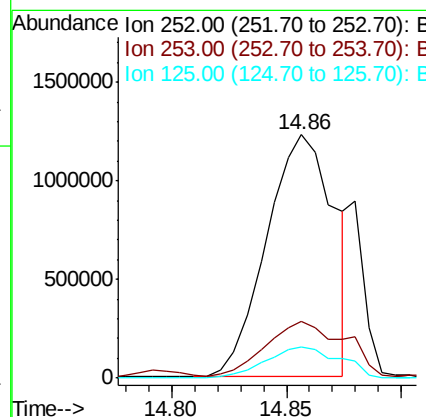
RT: 14.86 min Scan# 2171

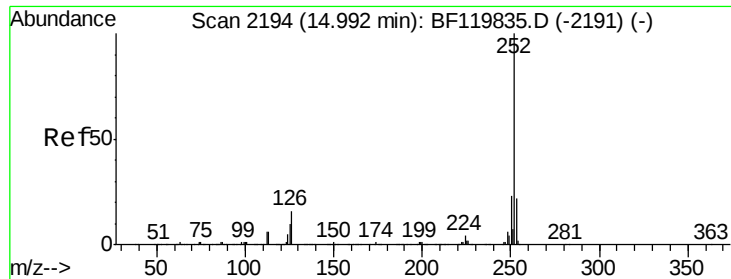
Delta R.T. 0.02 min

Lab File: BF120255.D

Acq: 30 Apr 2020 22:29

Tgt Ion:	252	Resp:	2508614
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.0
125	12.9	7.9	11.9#





#89

Benzo(k)fluoranthene

Concen: 21.436 ng

RT: 14.88 min Scan# 2175

Delta R.T. 0.02 min

Lab File: BF120255.D

Acq: 30 Apr 2020 22:29

Instrument :

BNA_F

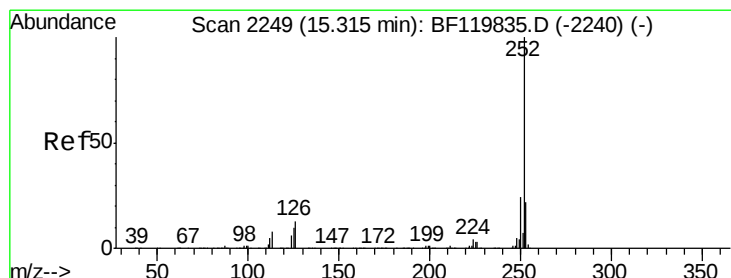
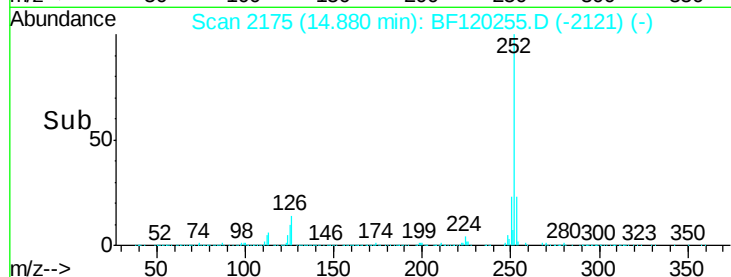
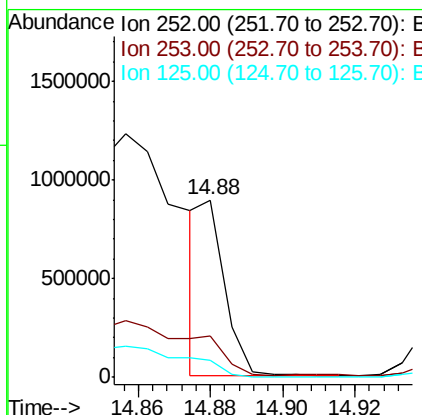
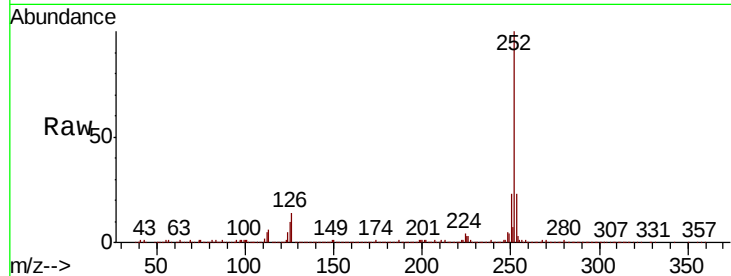
ClientSampleId :

RECOVERED-CRUSH-AGGREGAT

Tot Ion:	252	Resp:	410862
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.8	26.6
125	9.9	8.4	12.6

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#90

Benzo(a)pyrene

Concen: 105.582 ng

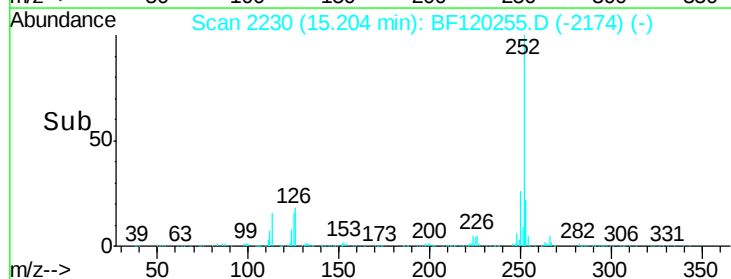
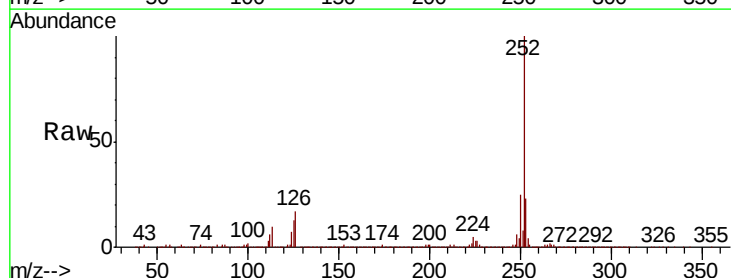
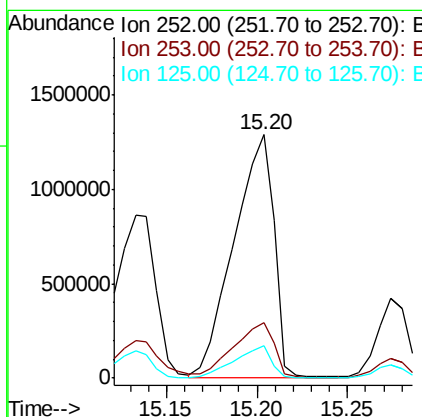
RT: 15.20 min Scan# 2230

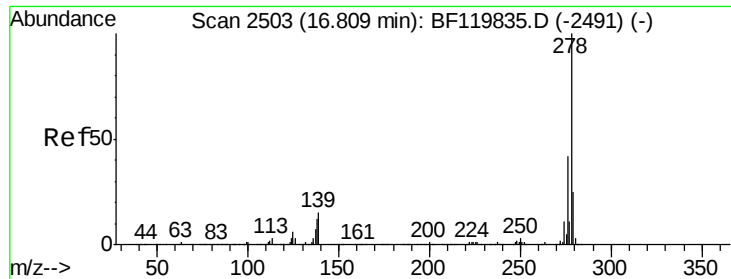
Delta R.T. 0.03 min

Lab File: BF120255.D

Acq: 30 Apr 2020 22:29

Tgt Ion:	252	Resp:	1972013
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.2	27.2
125	13.1	9.4	14.2





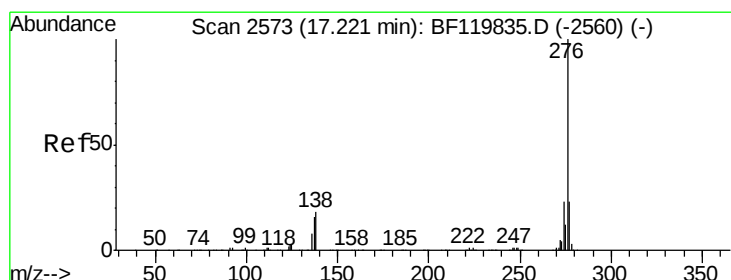
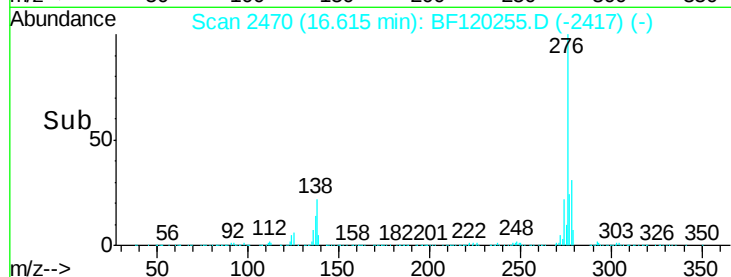
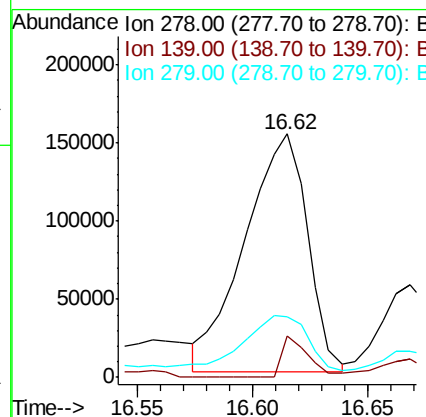
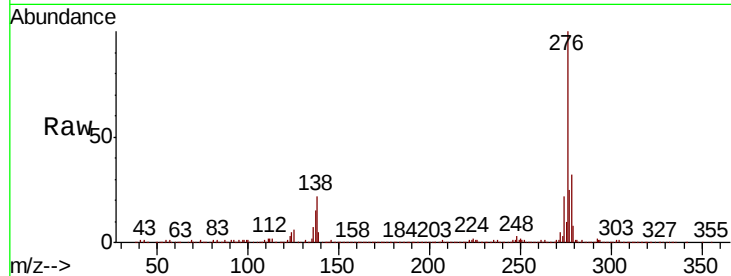
#91
Dibenzo(a,h)anthracene
Concen: 17.364 ng
RT: 16.62 min Scan# 2470
Delta R.T. 0.01 min
Lab File: BF120255.D
Acq: 30 Apr 2020 22:29

Instrument :
BNA_F
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.0	12.6	19.0
279	24.9	19.0	28.6

Manual Integrations
APPROVED

mohammad
5/4/2020 8:19:14 AM



#92
Benzo(g,h,i)perylene
Concen: 62.156 ng
RT: 17.03 min Scan# 2540
Delta R.T. 0.03 min
Lab File: BF120255.D
Acq: 30 Apr 2020 22:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.4	27.6
138	21.6	15.4	23.0

