

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
 Data File : BF120053.D
 Acq On : 17 Apr 2020 12:32
 Operator : MA/SJ
 Sample : L2245-38
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-13-14

Manual Integrations
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mohammad
 4/21/2020 8:22:23 AM

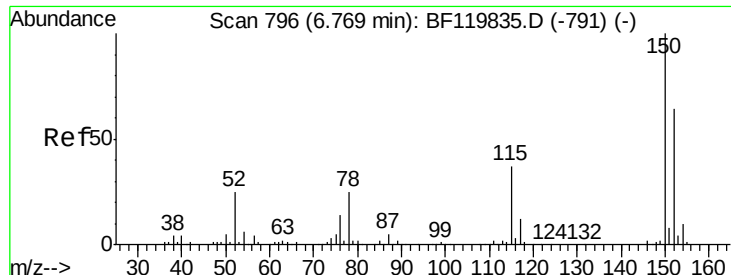
Quant Time: Apr 17 13:26:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 10:51:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	215271	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	775369	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	360656	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	567275	20.00	ng	0.00
76) Chrysene-d12	13.90	240	315493	20.00	ng	0.00
87) Perylene-d12	15.33	264	321582	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1056444	84.81	ng	0.00
7) Phenol-d6	6.37	99	1334296	83.13	ng	0.00
23) Nitrobenzene-d5	7.29	82	854526	57.02	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	279304	63.25	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1556521	61.28	ng	0.00
79) Terphenyl-d14	12.84	244	1141148	60.86	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.03	128	162595	3.986	ng	99
50) Dimethylphthalate	9.49	163	159393	5.714	ng	98
52) Acenaphthene	9.80	154	157308	6.612	ng	97
55) Dibenzofuran	9.97	168	96420	2.954	ng	# 97
58) Fluorene	10.32	166	154166	5.905	ng	99
71) Phenanthrene	11.28	178	1235534	40.924	ng	99
72) Anthracene	11.33	178	323447	10.487	ng	98
73) Carbazole	11.49	167	88871	3.047	ng	99
75) Fluoranthene	12.48	202	1302724	39.991	ng	99
78) Pyrene	12.70	202	1177825	44.285	ng	99
81) Benzo(a)anthracene	13.89	228	499202	24.052	ng	98
83) Chrysene	13.92	228	447507	21.220	ng	97
86) Indeno(1,2,3-cd)pyrene	16.72	276	224205	12.061	ng	96
88) Benzo(b)fluoranthene	14.92	252	586556m	25.355	ng	
89) Benzo(k)fluoranthene	14.94	252	124848m	6.255	ng	
90) Benzo(a)pyrene	15.27	252	404365	20.789	ng	96
91) Dibenzo(a,h)anthracene	16.73	278	57911	3.361	ng	# 92
92) Benzo(g,h,i)perylene	17.14	276	208757	12.275	ng	97

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



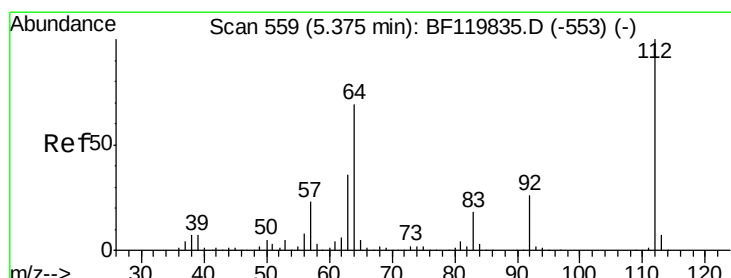
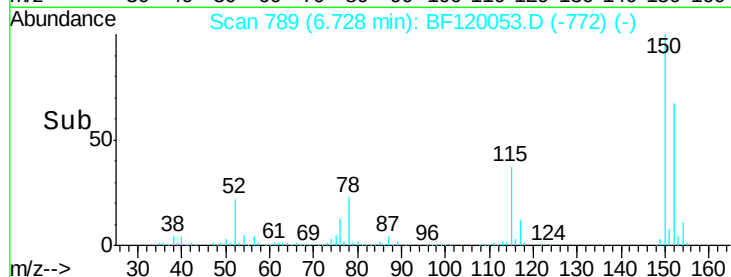
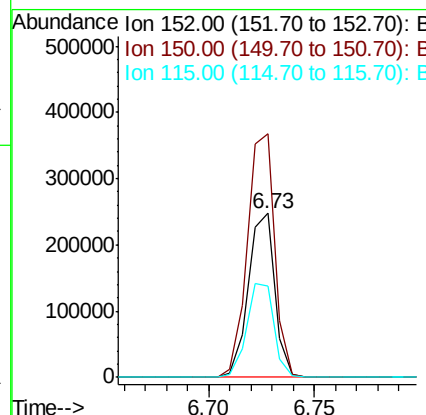
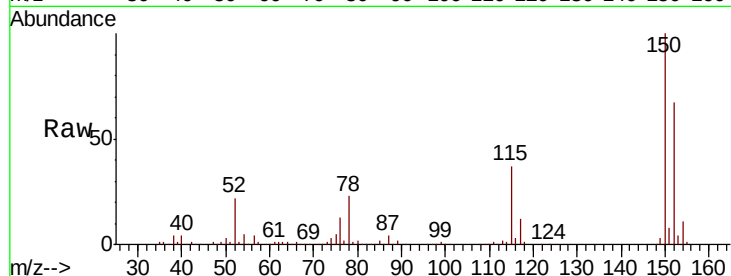
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF120053.D
 Acq: 17 Apr 2020 12:32

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-13-14

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.7	124.8	187.2
115	55.7	46.5	69.7

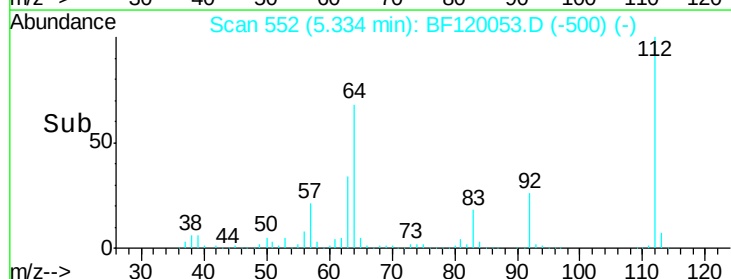
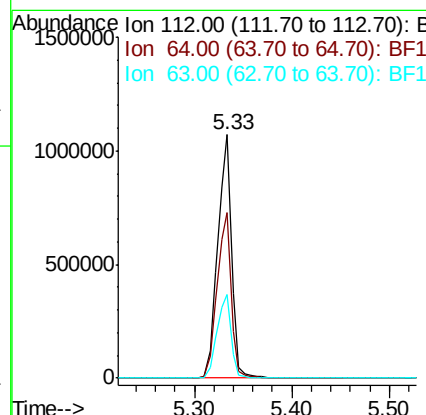
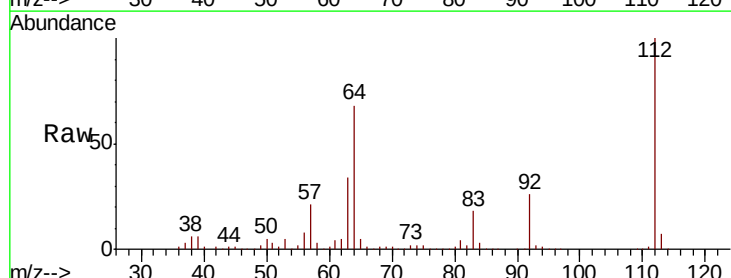
Manual Integrations
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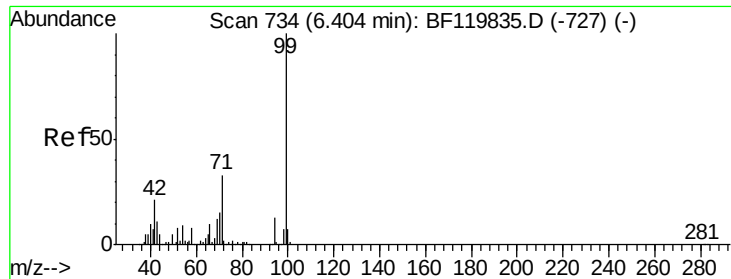
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#5
 2-Fluorophenol
 Concen: 84.811 ng
 RT: 5.33 min Scan# 552
 Delta R.T. 0.01 min
 Lab File: BF120053.D
 Acq: 17 Apr 2020 12:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.9	55.5	83.3
63	34.4	29.1	43.7





#7

Phenol-d6

Concen: 83.130 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF120053.D

Acq: 17 Apr 2020 12:32

Instrument :

BNA_F

ClientSampleId :

TP-5-13-14

Tot Ion: 99 Resp: 1334296

Ion Ratio Lower Upper

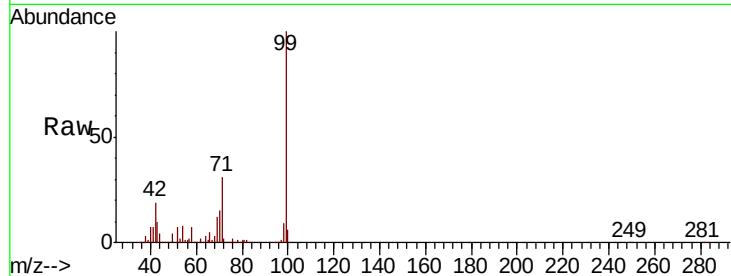
99 100

42 19.1 16.9 25.3

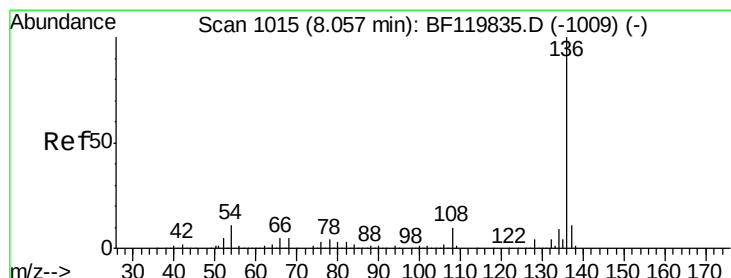
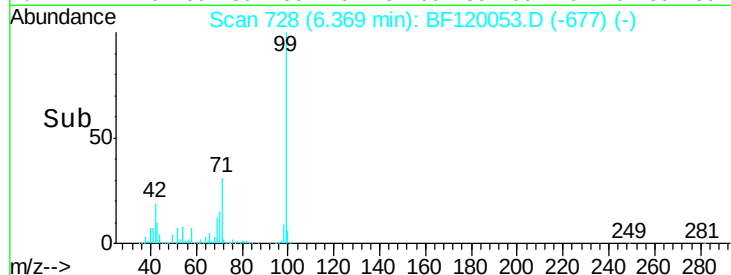
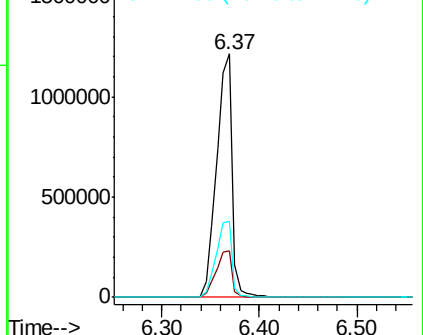
71 31.4 26.3 39.5

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF120053.D

Acq: 17 Apr 2020 12:32

Tgt Ion: 136 Resp: 775369

Ion Ratio Lower Upper

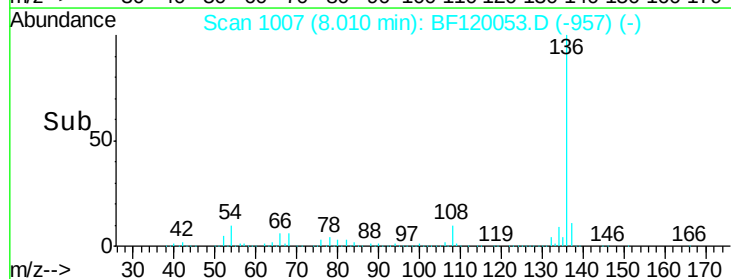
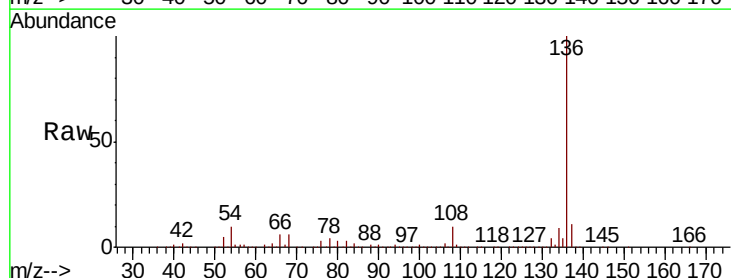
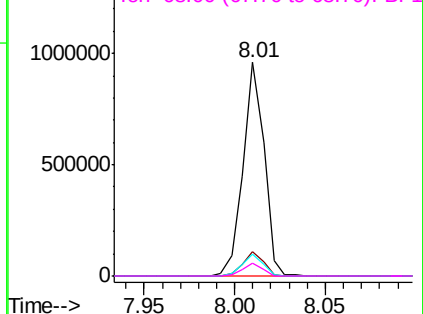
136 100

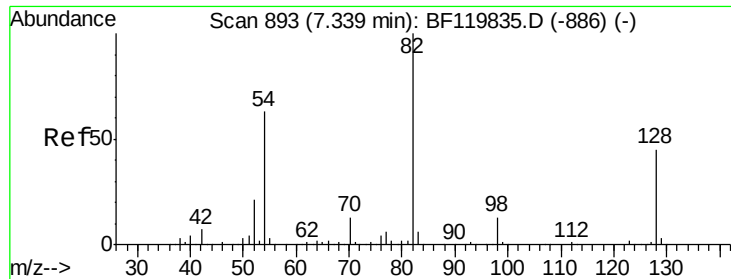
137 11.3 8.7 13.1

54 10.3 8.5 12.7

68 5.8 3.9 5.9

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





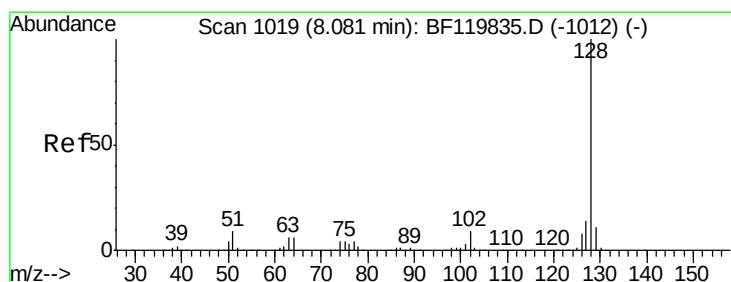
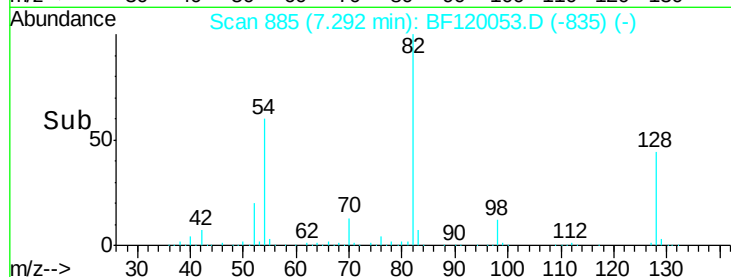
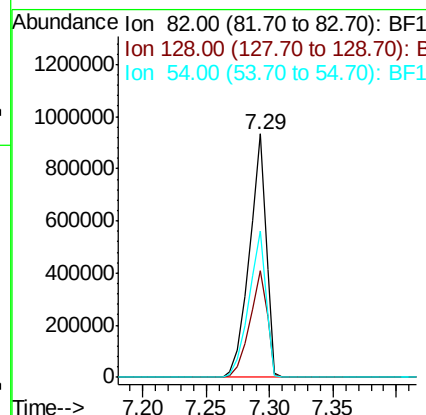
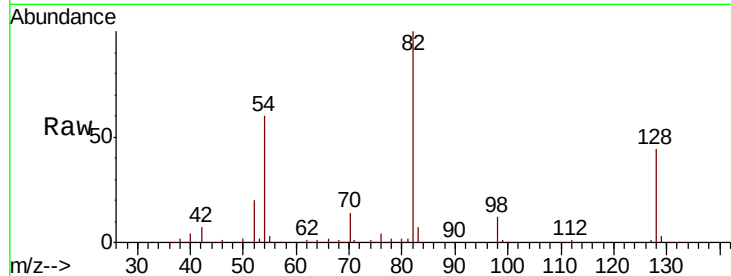
#23
Nitrobenzene-d5
Concen: 57.015 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF120053.D
Acq: 17 Apr 2020 12:32

Instrument :
BNA_F
ClientSampleId :
TP-5-13-14

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.2	54.4
54	60.1	50.4	75.6

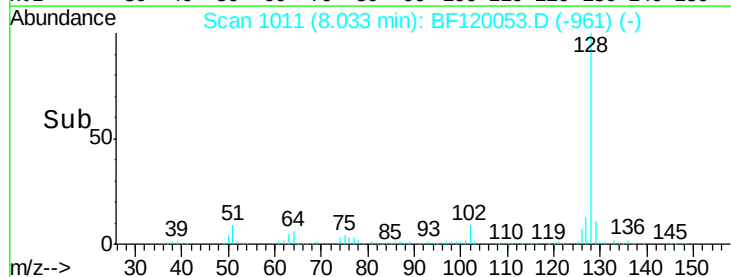
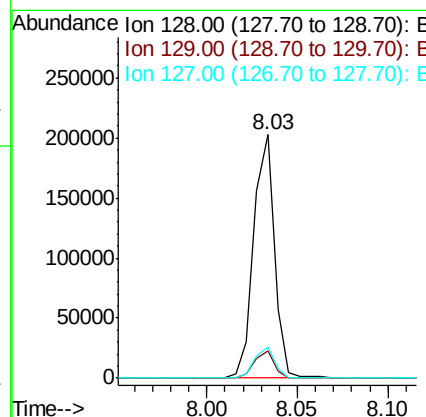
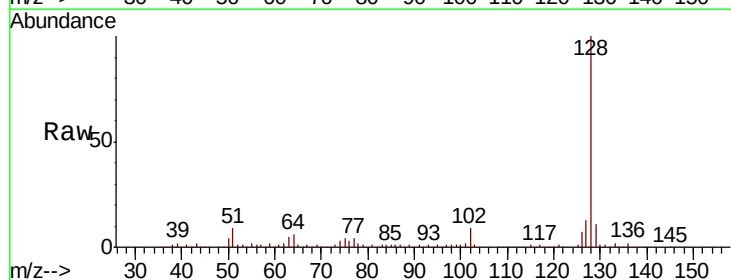
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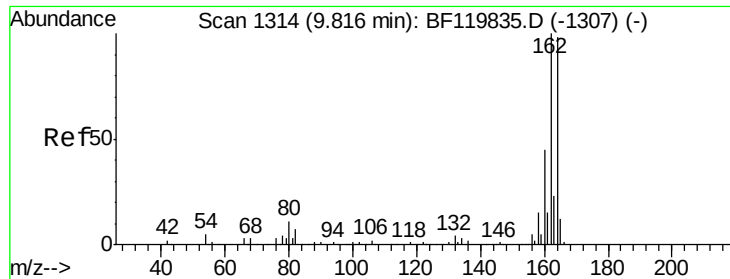
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#31
Naphthalene
Concen: 3.986 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF120053.D
Acq: 17 Apr 2020 12:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	12.8	11.0	16.4





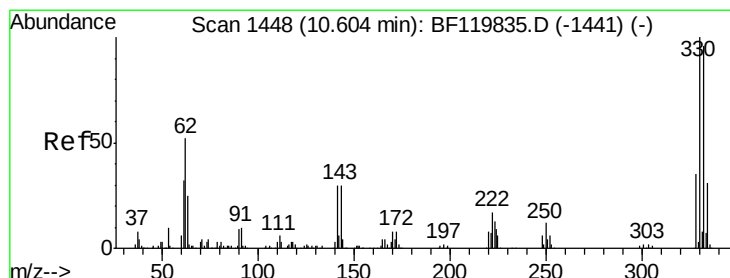
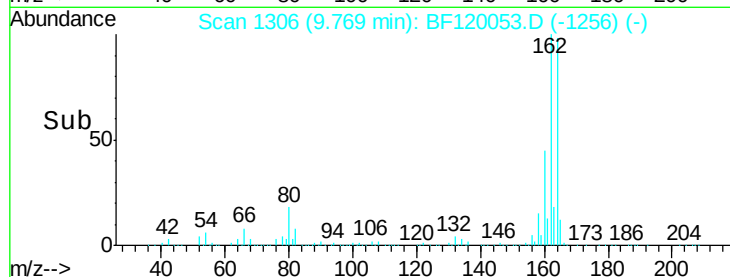
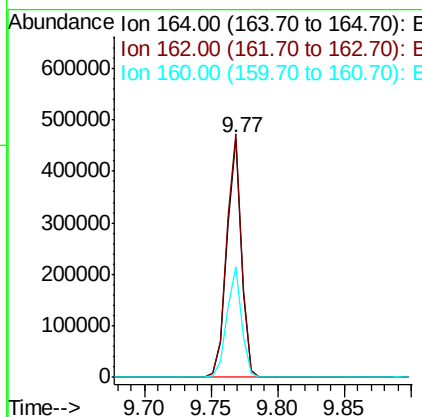
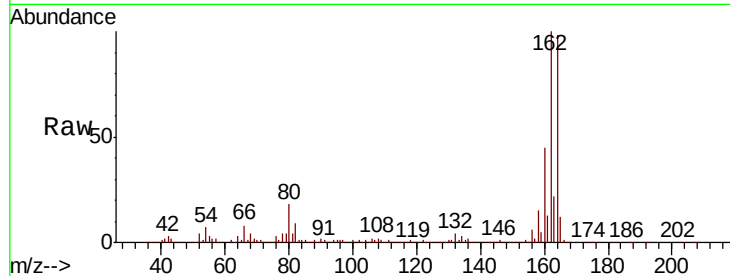
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF120053.D
Acq: 17 Apr 2020 12:32

Instrument :
BNA_F
ClientSampleId :
TP-5-13-14

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.9	81.9	122.9	
160	46.1	36.6	54.8	

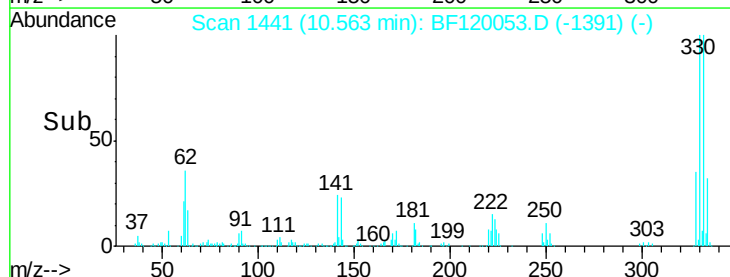
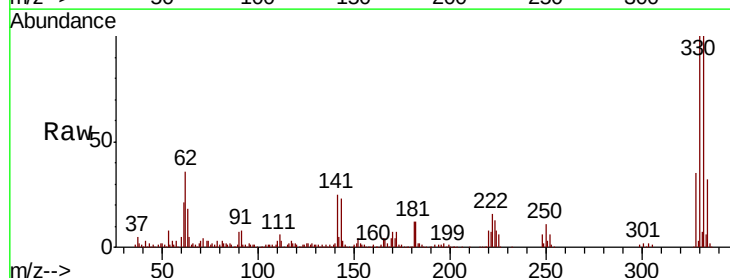
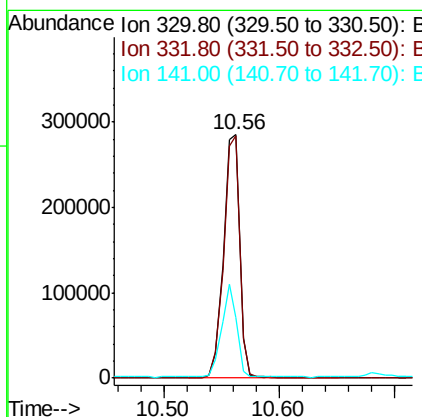
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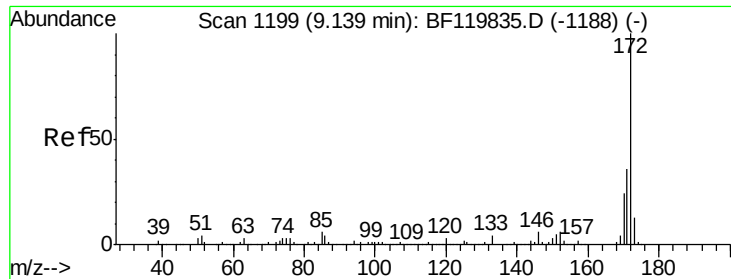
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#42
2,4,6-Tribromophenol
Concen: 63.253 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF120053.D
Acq: 17 Apr 2020 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.6	76.8	115.2	
141	34.6	25.1	37.7	





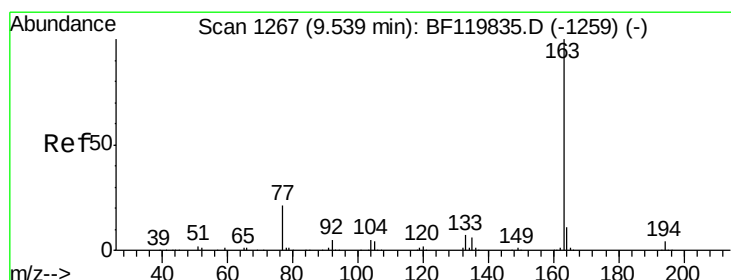
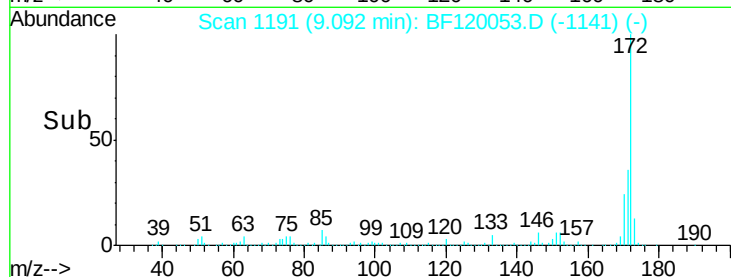
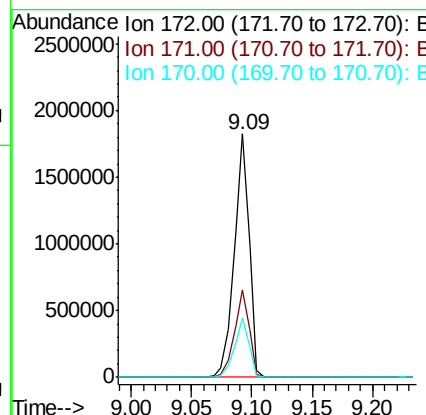
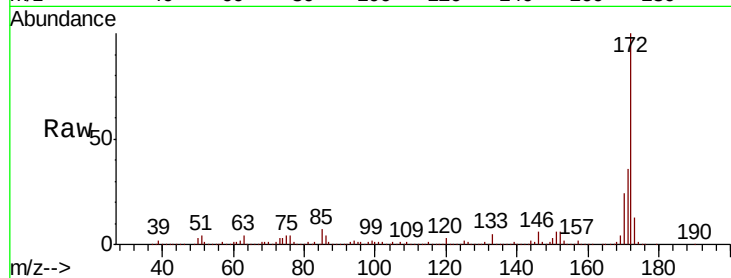
#45
2-Fluorobiphenyl
Concen: 61.275 ng
RT: 9.09 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF120053.D
Acq: 17 Apr 2020 12:32

Instrument :
BNA_F
ClientSampleId :
TP-5-13-14

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.9	43.3
170	24.1	19.4	29.2

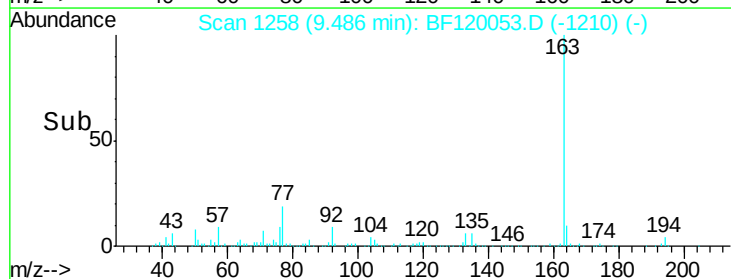
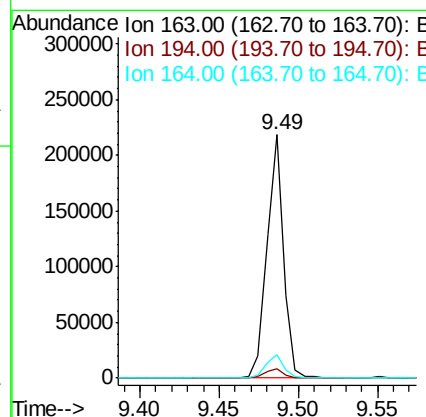
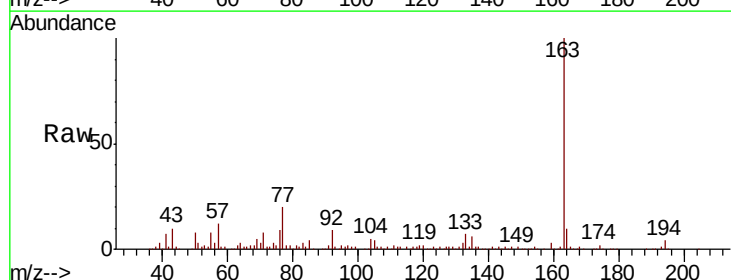
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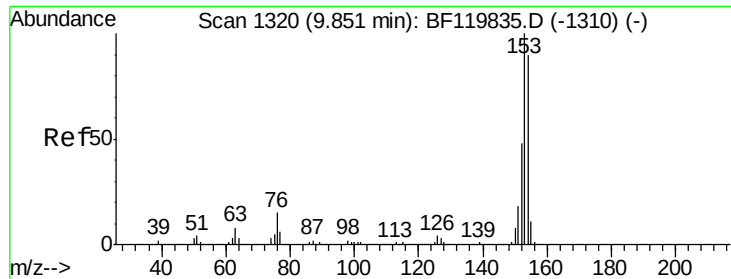
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#50
Dimethylphthalate
Concen: 5.714 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.02 min
Lab File: BF120053.D
Acq: 17 Apr 2020 12:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.4
164	9.7	8.4	12.6





#52

Acenaphthene

Concen: 6.612 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF120053.D

Acq: 17 Apr 2020 12:32

Instrument :

BNA_F

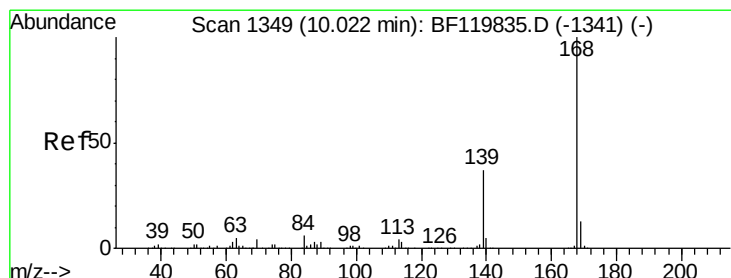
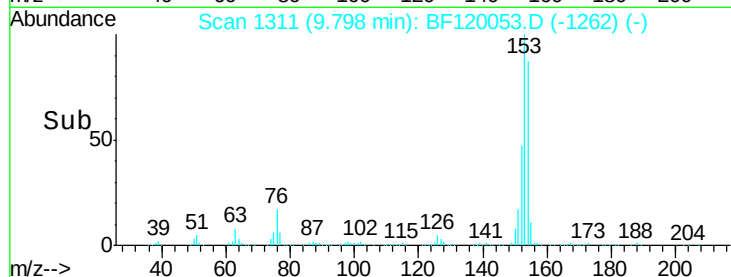
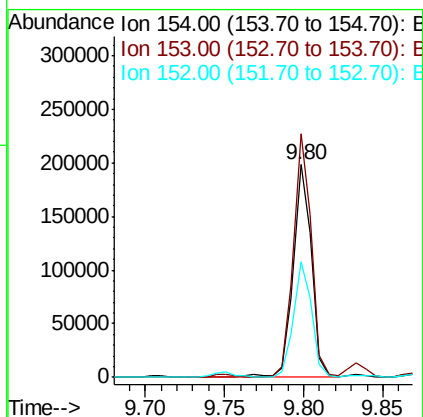
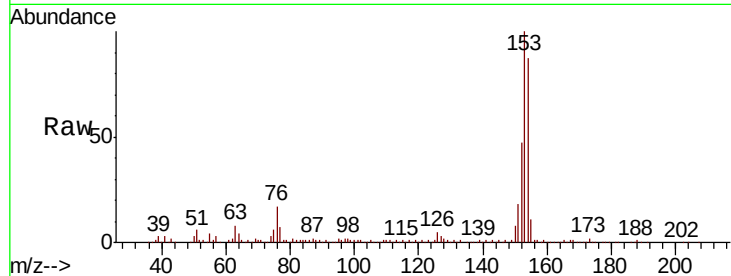
ClientSampleId :

TP-5-13-14

Tot Ion:	154	Resp:	157308
Ion Ratio	Lower	Upper	
154	100		
153	114.7	88.8	133.2
152	54.3	42.4	63.6

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#55

Dibenzofuran

Concen: 2.954 ng

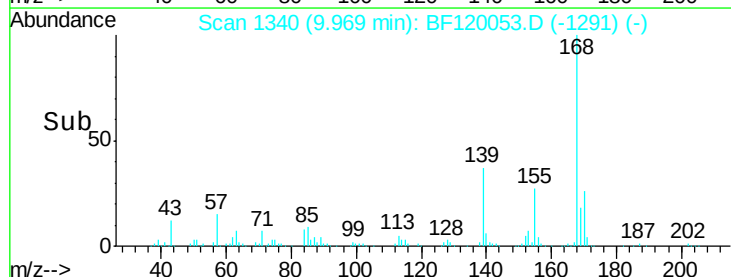
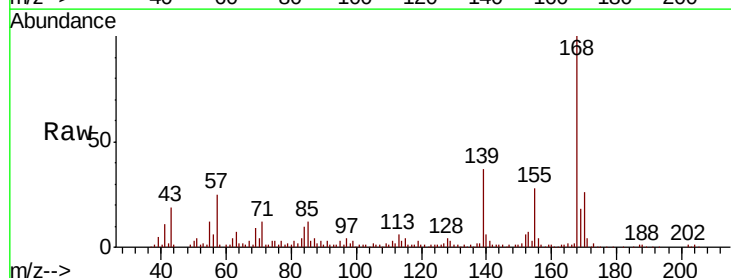
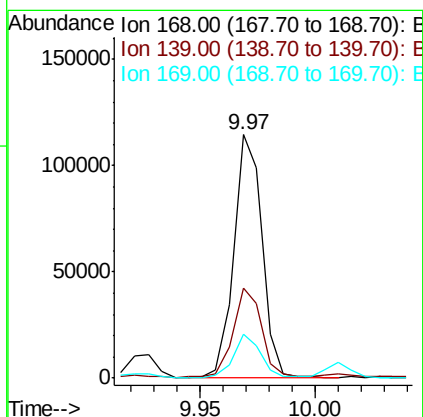
RT: 9.97 min Scan# 1340

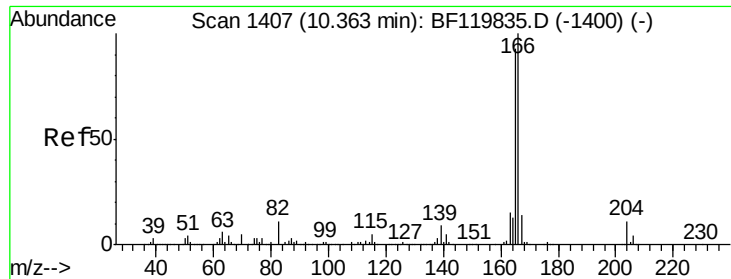
Delta R.T. -0.01 min

Lab File: BF120053.D

Acq: 17 Apr 2020 12:32

Tgt Ion:	168	Resp:	96420
Ion Ratio	Lower	Upper	
168	100		
139	36.9	29.8	44.6
169	18.0	10.6	15.8#





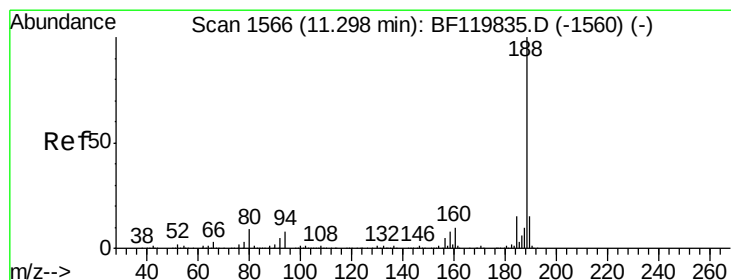
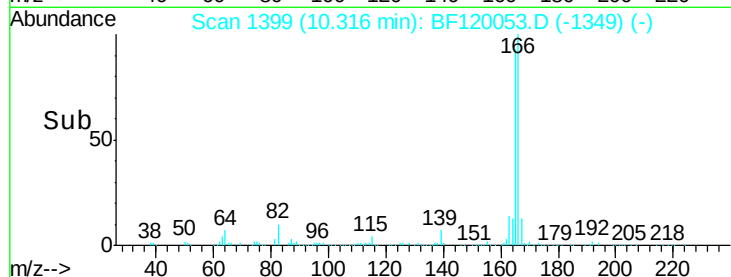
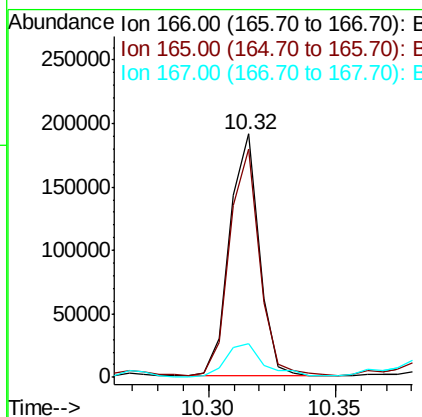
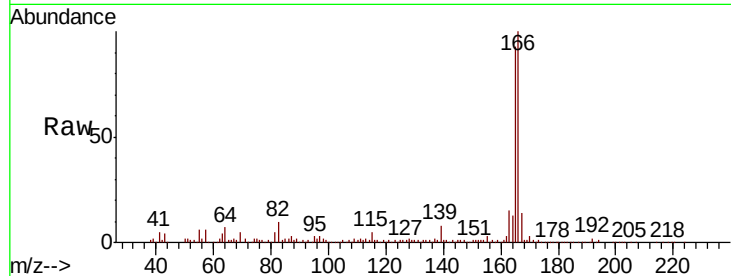
#58
Fluorene
Concen: 5.905 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.01 min
Lab File: BF120053.D
Acq: 17 Apr 2020 12:32

Instrument :
BNA_F
ClientSampleId :
TP-5-13-14

Tot Ion	Ratio	Lower	Upper
166	100		
165	93.5	74.2	111.2
167	13.9	10.8	16.2

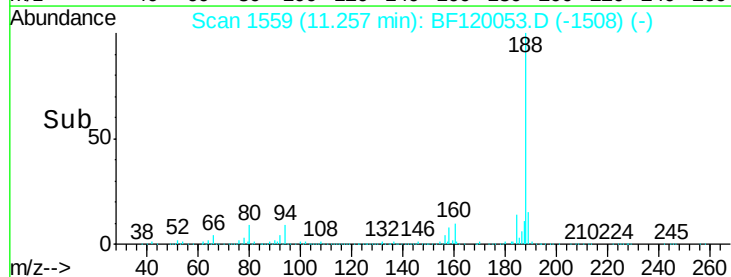
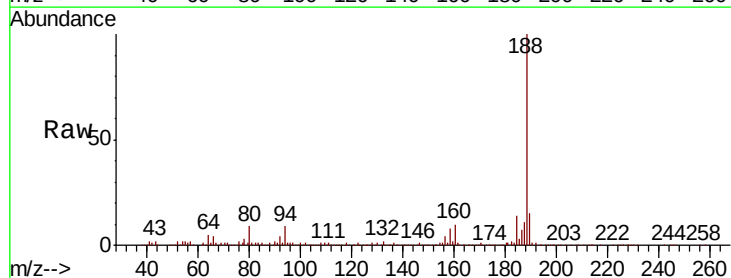
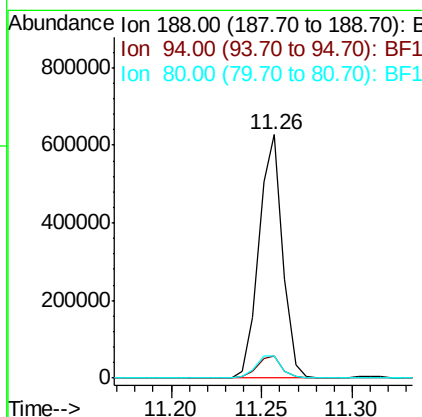
Manual Integrations
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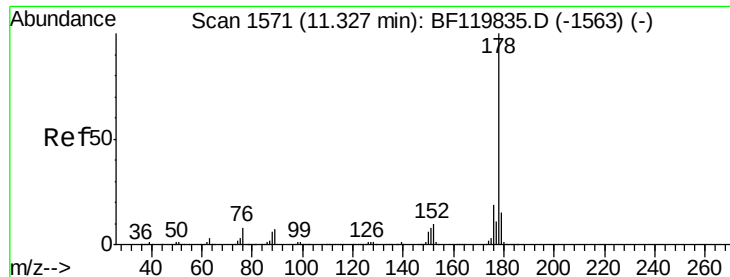
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BF120053.D
Acq: 17 Apr 2020 12:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.7	10.1
80	9.3	7.4	11.2





#71

Phenanthrene

Concen: 40.924 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF120053.D

Acq: 17 Apr 2020 12:32

Instrument :

BNA_F

ClientSampleId :

TP-5-13-14

Tot Ion:178 Resp: 1235534

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

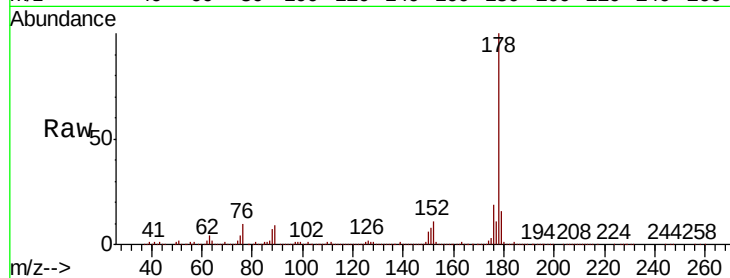
179 15.8 12.2 18.4

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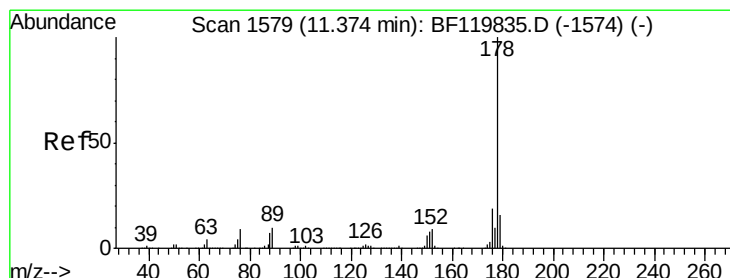
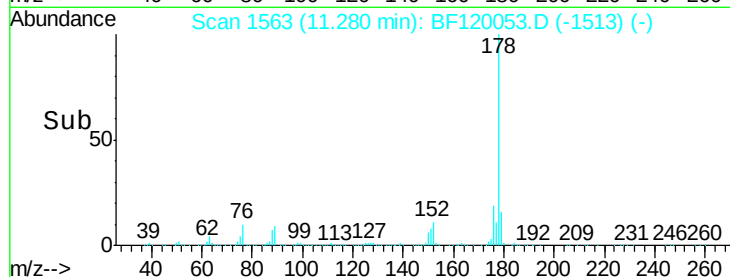
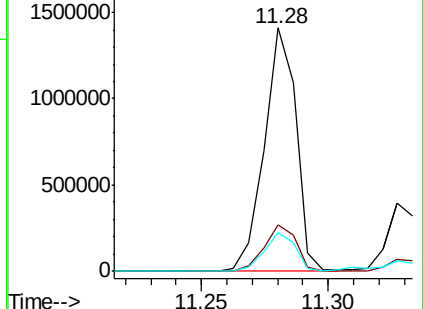
4/21/2020 8:22:23 AM



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



#72

Anthracene

Concen: 10.487 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF120053.D

Acq: 17 Apr 2020 12:32

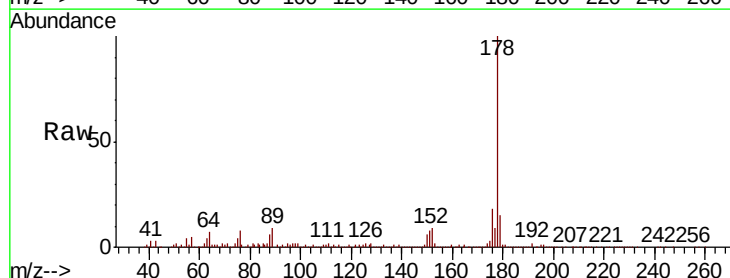
Tgt Ion:178 Resp: 323447

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

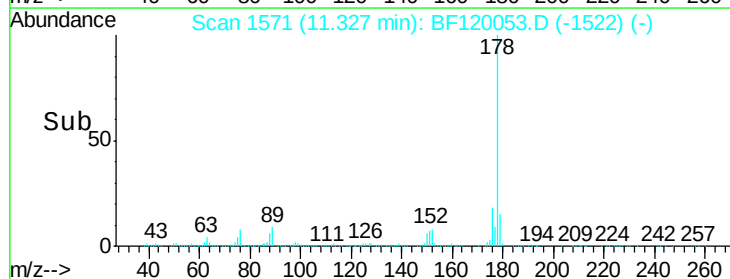
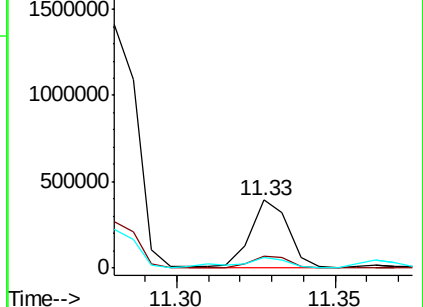
179 15.4 12.8 19.2

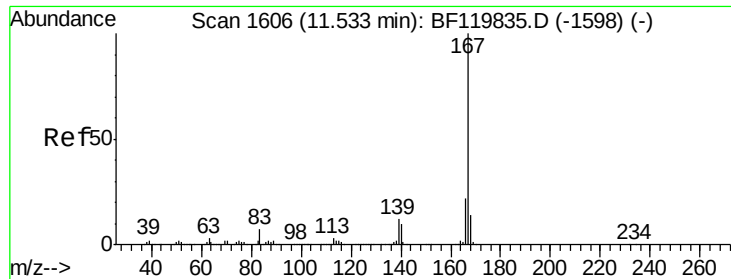


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 3.047 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF120053.D

Acq: 17 Apr 2020 12:32

Instrument :

BNA_F

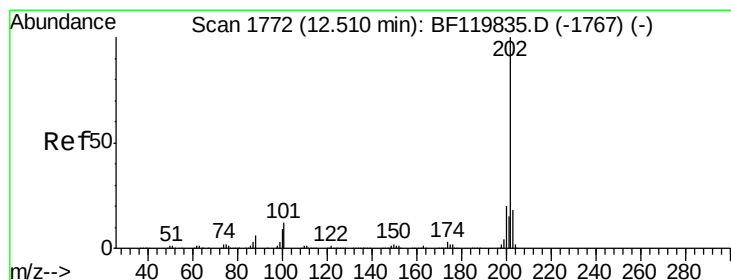
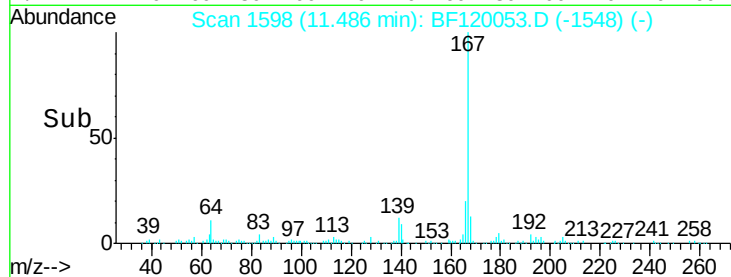
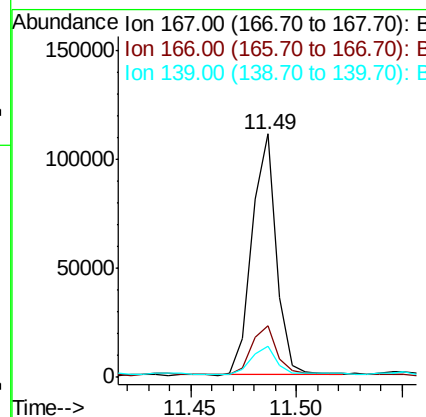
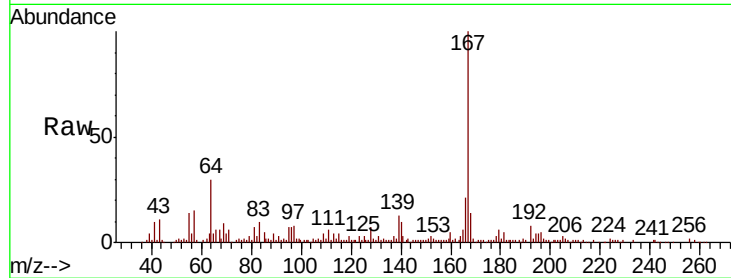
ClientSampleId :

TP-5-13-14

Tot Ion:	167	Resp:	88871
Ion Ratio	Lower	Upper	
167	100		
166	21.3	17.4	26.0
139	13.0	9.8	14.8

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#75

Fluoranthene

Concen: 39.991 ng

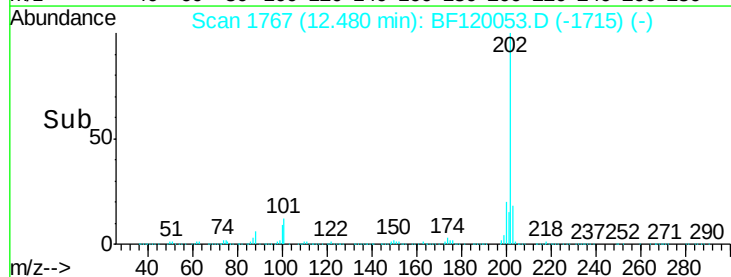
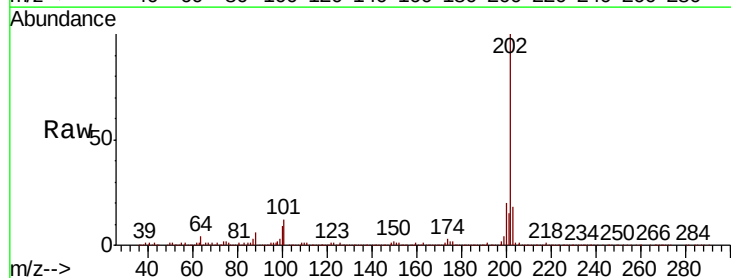
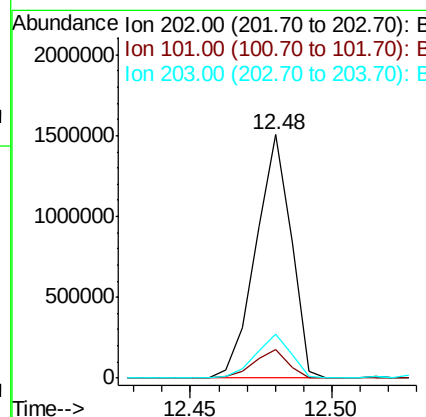
RT: 12.48 min Scan# 1767

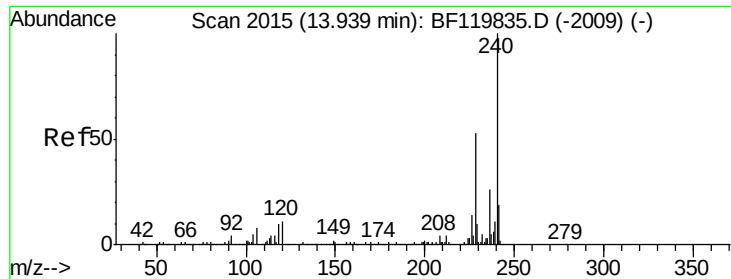
Delta R.T. 0.01 min

Lab File: BF120053.D

Acq: 17 Apr 2020 12:32

Tgt Ion:	202	Resp:	1302724
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	32.3
203	17.9	0.0	37.6





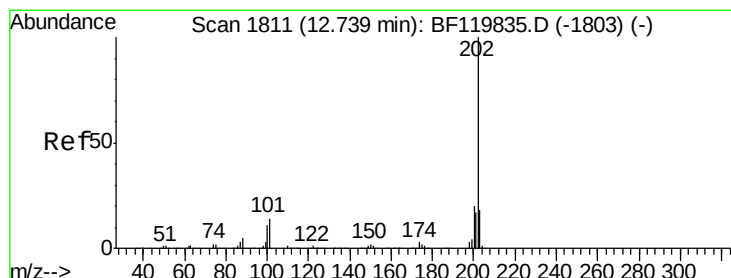
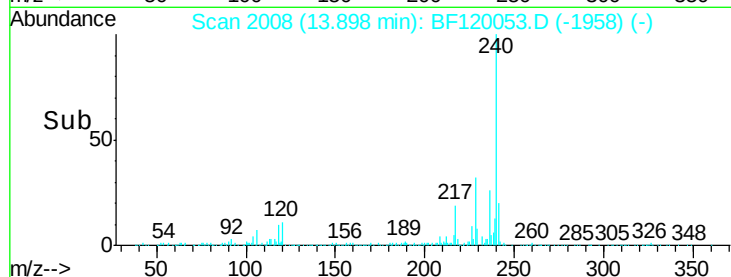
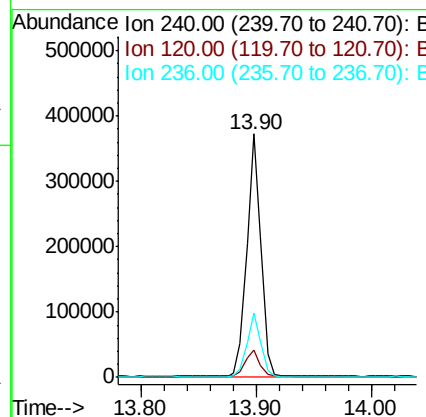
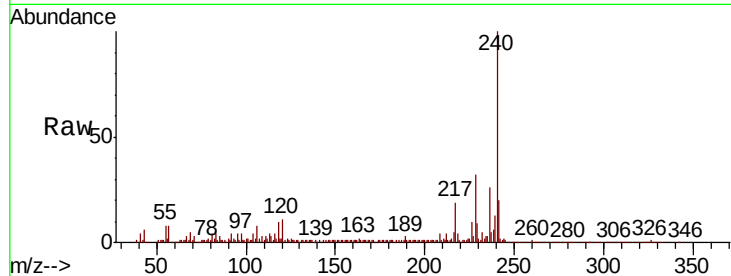
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF120053.D
Acq: 17 Apr 2020 12:32

Instrument :
BNA_F
ClientSampleId :
TP-5-13-14

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.0	13.6
236	26.2	20.7	31.1

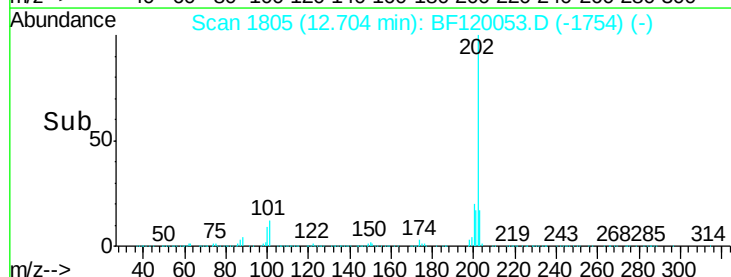
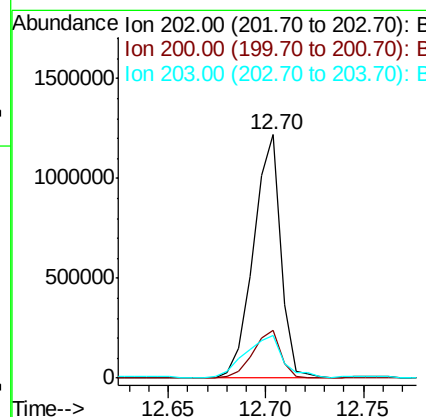
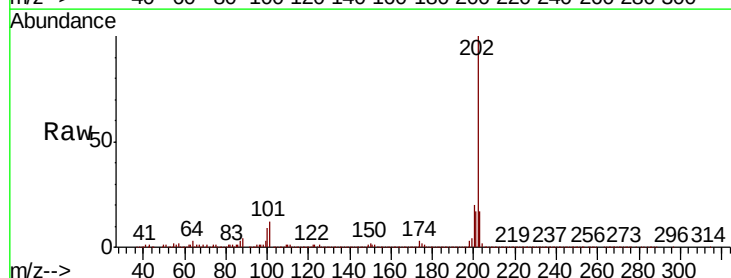
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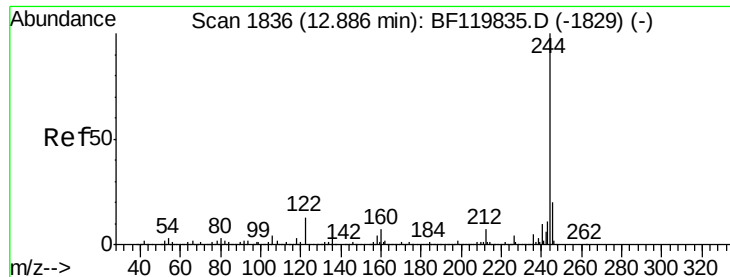
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#78
Pyrene
Concen: 44.285 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BF120053.D
Acq: 17 Apr 2020 12:32

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.2	24.2
203	17.4	14.1	21.1





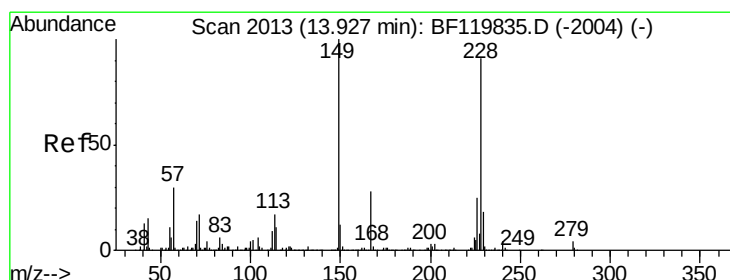
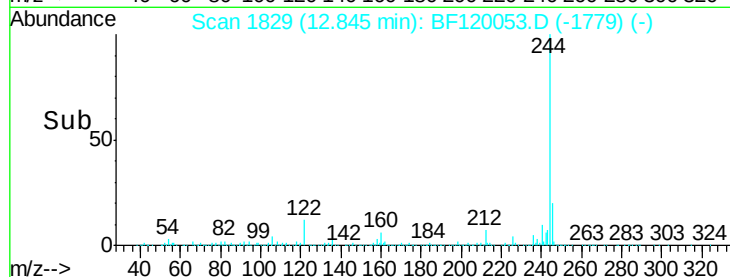
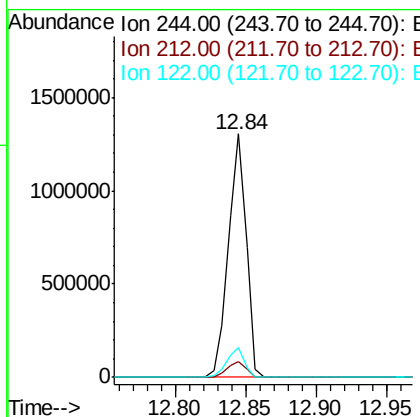
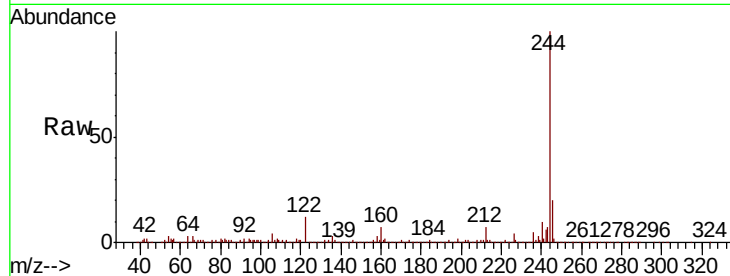
#79
 Terphenyl-d14
 Concen: 60.862 ng
 RT: 12.84 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF120053.D
 Acq: 17 Apr 2020 12:32

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-13-14

Tot Ion:244 Resp: 1141148
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 12.4 10.3 15.5

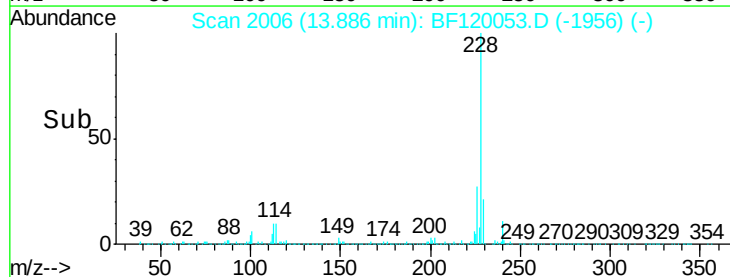
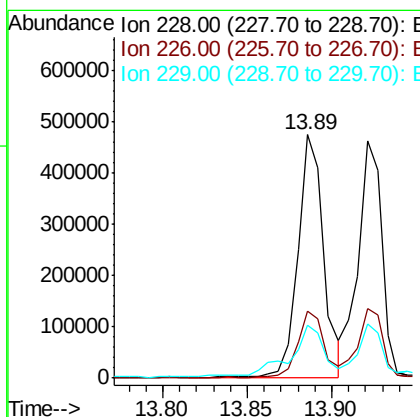
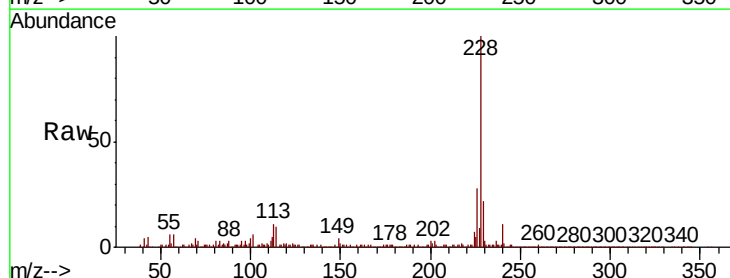
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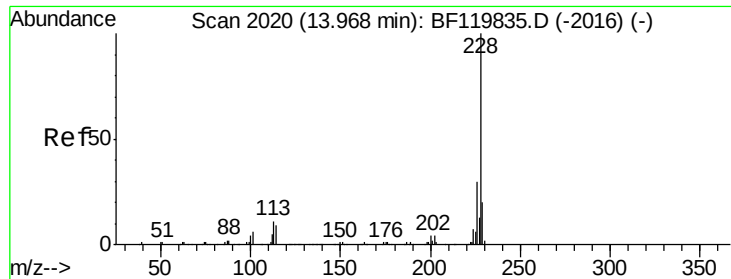
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#81
 Benzo(a)anthracene
 Concen: 24.052 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF120053.D
 Acq: 17 Apr 2020 12:32

Tgt Ion:228 Resp: 499202
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.9 32.9
 229 21.5 15.9 23.9





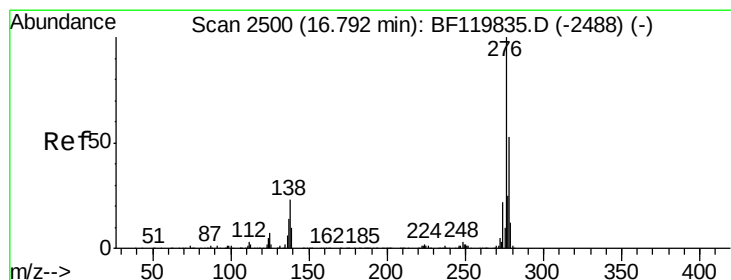
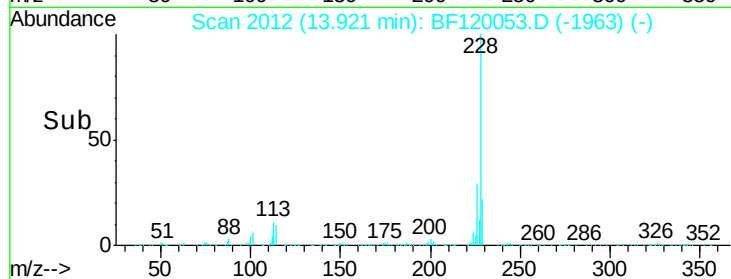
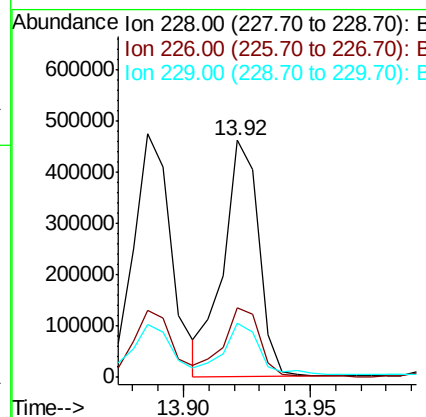
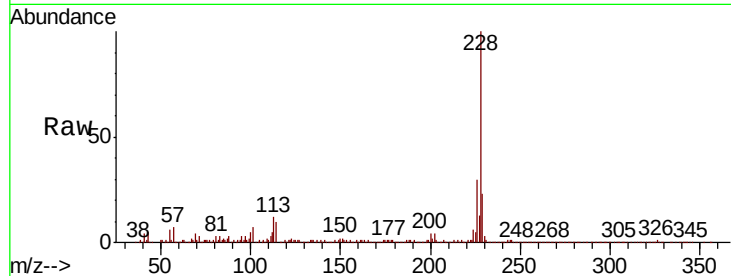
#83
Chrysene
Concen: 21.220 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF120053.D
Acq: 17 Apr 2020 12:32

Instrument :
BNA_F
ClientSampleId :
TP-5-13-14

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.2	36.2
229	22.6	15.9	23.9

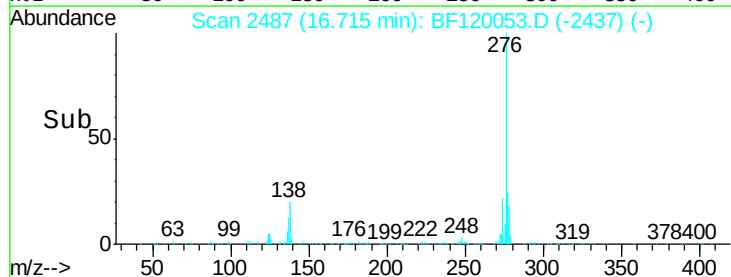
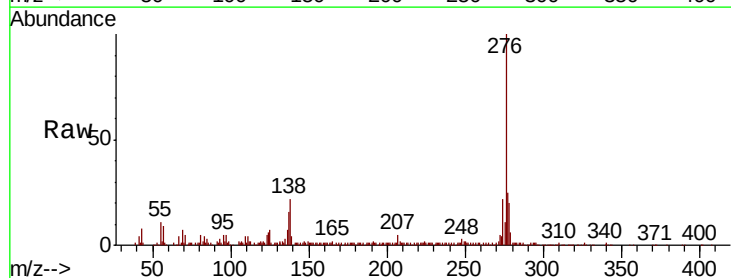
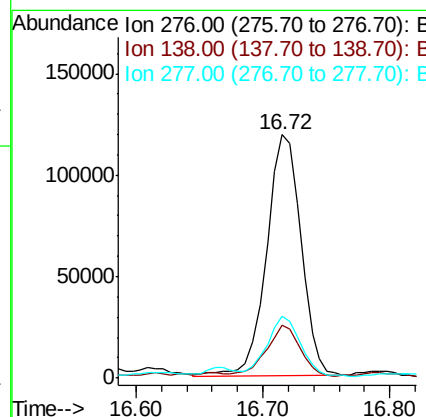
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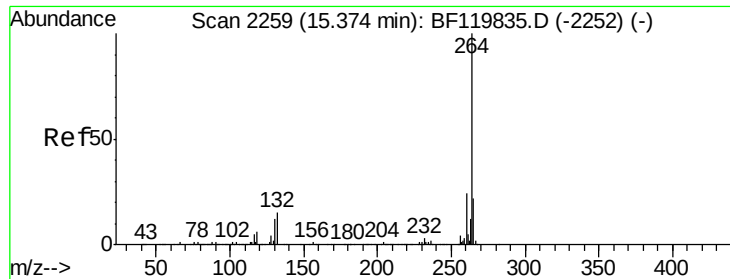
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 12.061 ng
RT: 16.72 min Scan# 2487
Delta R.T. -0.01 min
Lab File: BF120053.D
Acq: 17 Apr 2020 12:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.5	18.0	27.0
277	23.5	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2251

Delta R.T. 0.00 min

Lab File: BF120053.D

Acq: 17 Apr 2020 12:32

Instrument :

BNA_F

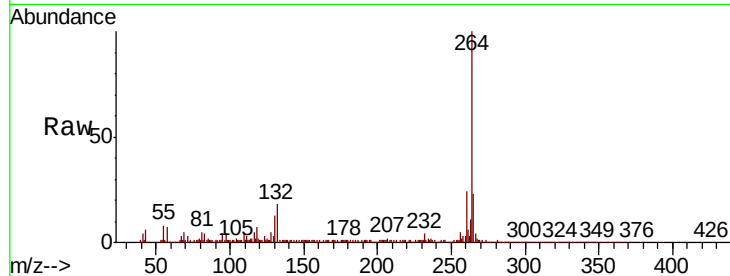
ClientSampleId :

TP-5-13-14

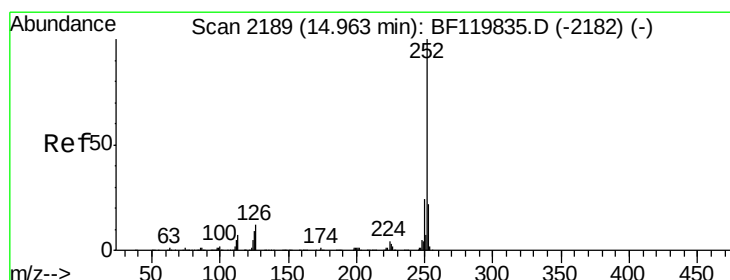
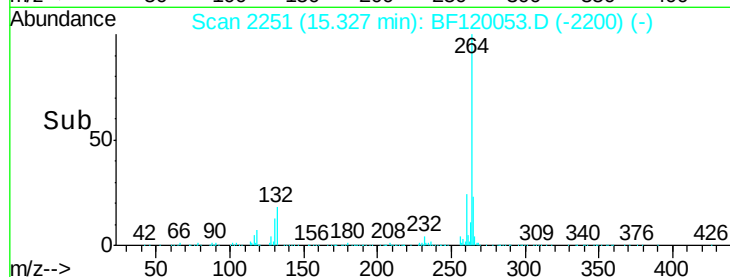
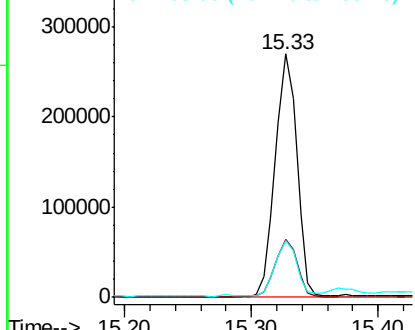
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.3	28.9
265	23.4	17.6	26.4

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 25.355 ng m

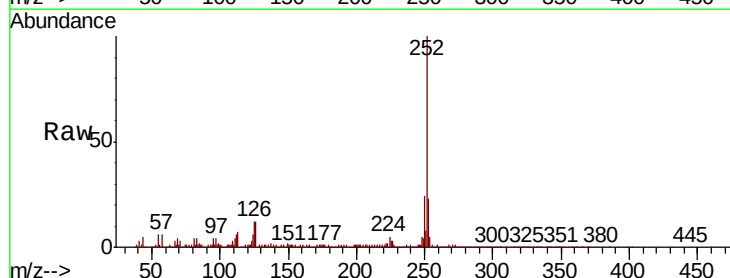
RT: 14.92 min Scan# 2182

Delta R.T. 0.00 min

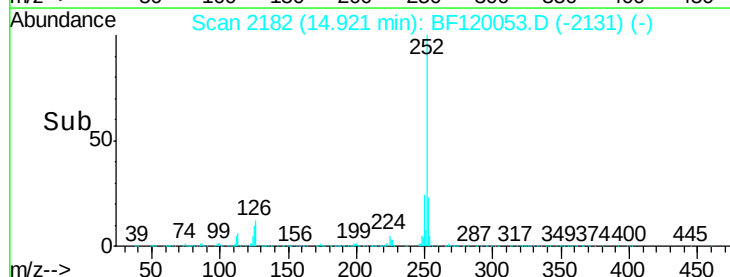
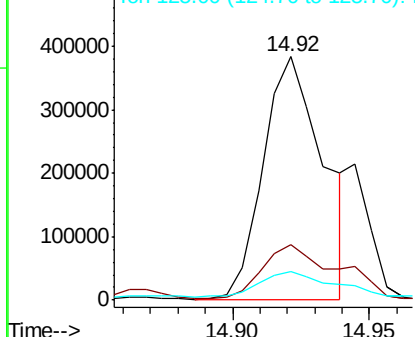
Lab File: BF120053.D

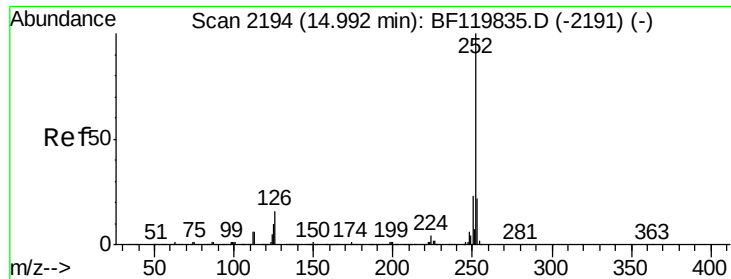
Acq: 17 Apr 2020 12:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	11.7	7.4	11.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 6.255 ng/mL

RT: 14.94 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BF120053.D

Acq: 17 Apr 2020 12:32

Instrument :

BNA_F

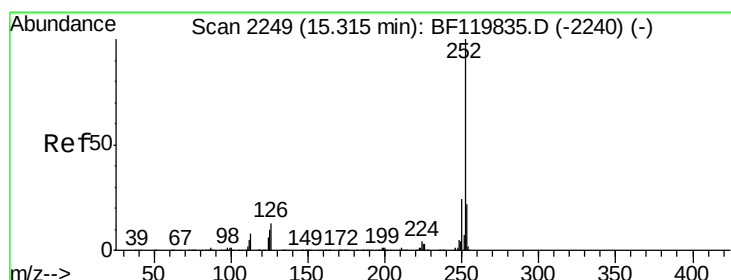
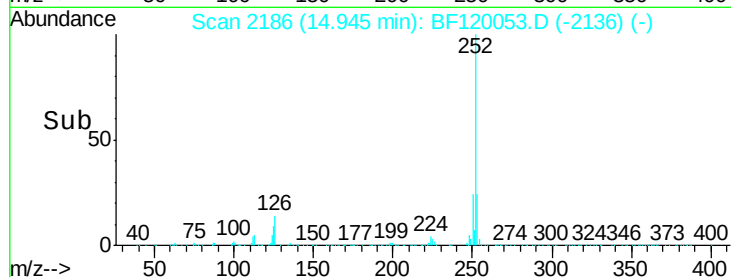
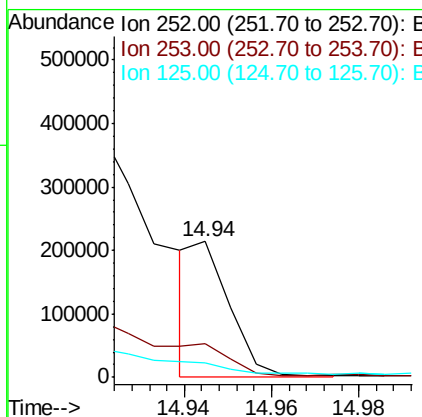
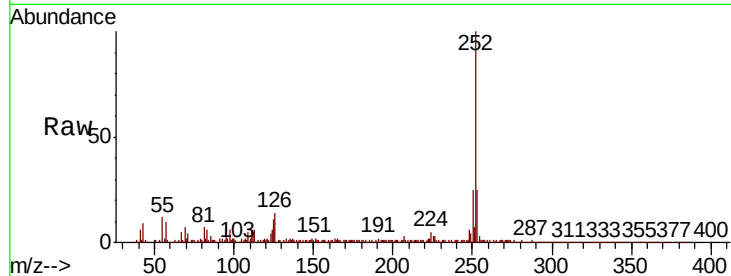
ClientSampled :

TP-5-13-14

Tot Ion:	252	Resp:	124848
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.8	26.8
125	11.2	7.7	11.5

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#90

Benzo(a)pyrene

Concen: 20.789 ng/mL

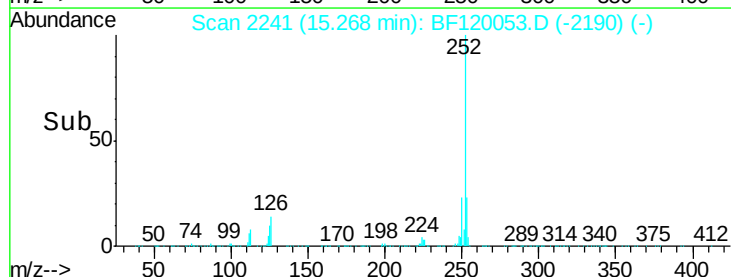
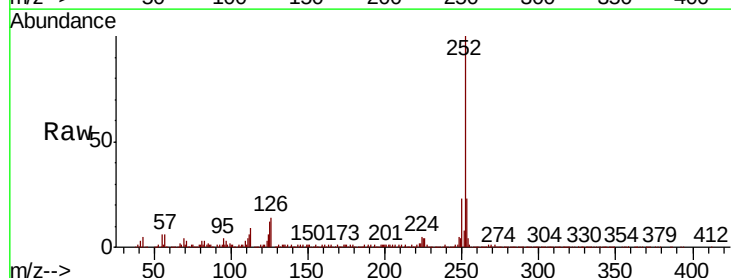
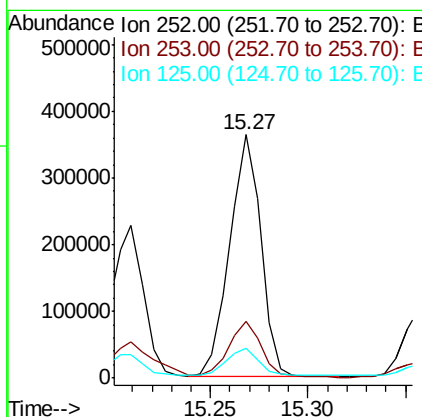
RT: 15.27 min Scan# 2241

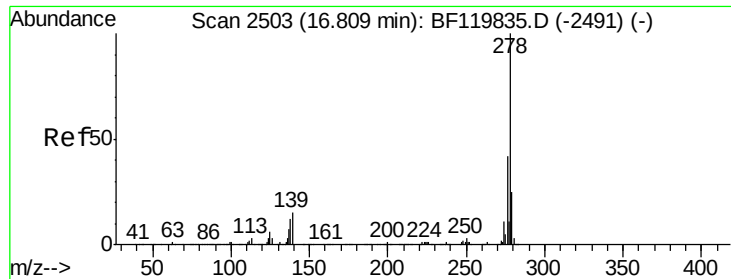
Delta R.T. 0.00 min

Lab File: BF120053.D

Acq: 17 Apr 2020 12:32

Tgt Ion:	252	Resp:	404365
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.4	26.2
125	12.0	8.3	12.5





#91

Dibenzo(a,h)anthracene

Concen: 3.361 ng

RT: 16.73 min Scan# 2489

Delta R.T. -0.01 min

Lab File: BF120053.D

Acq: 17 Apr 2020 12:32

Instrument :

BNA_F

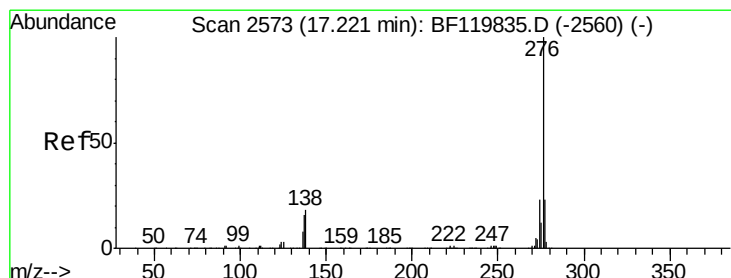
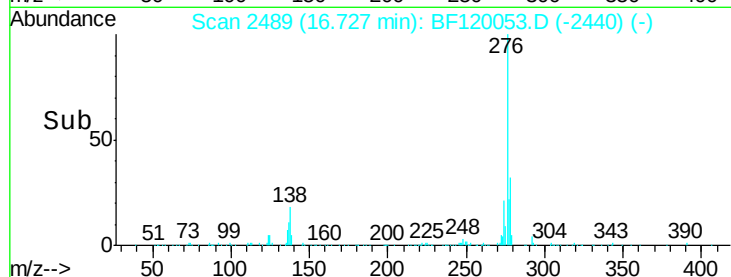
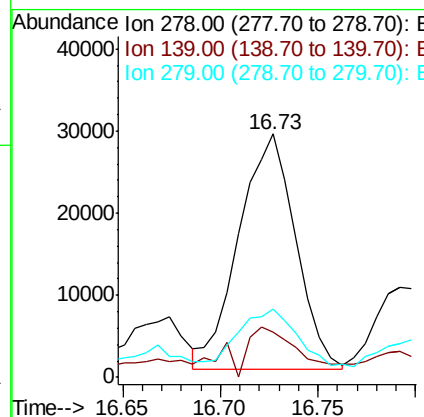
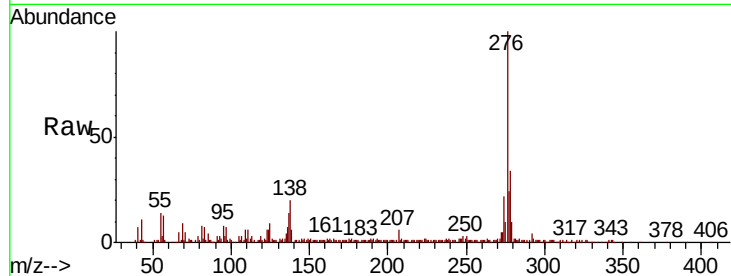
ClientSampleId :

TP-5-13-14

Tot Ion:	278	Resp:	57911
Ion Ratio	Lower	Upper	
278	100		
139	18.4	11.6	17.4#
279	27.8	19.7	29.5

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#92

Benzo(g,h,i)perylene

Concen: 12.275 ng

RT: 17.14 min Scan# 2559

Delta R.T. -0.01 min

Lab File: BF120053.D

Acq: 17 Apr 2020 12:32

Tgt Ion:	276	Resp:	208757
Ion Ratio	Lower	Upper	
276	100		
277	21.6	18.5	27.7
138	19.3	14.6	22.0

