

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050120\
 Data File : BF120272.D
 Acq On : 1 May 2020 21:41
 Operator : MA/SJ
 Sample : L2463-17
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JHDS-SOUTH-D

Manual Integrations
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Quant Time: May 02 02:23:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 01 15:26:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	87888	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	316725	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	140078	20.00	ng	-0.01
64) Phenanthrene-d10	11.17	188	246829	20.00	ng	0.00
76) Chrysene-d12	13.82	240	282354	20.00	ng	-0.01
87) Perylene-d12	15.23	264	298810	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	491836	96.71	ng	0.00
7) Phenol-d6	6.31	99	615852	93.98	ng	0.00
23) Nitrobenzene-d5	7.22	82	384295	62.77	ng	-0.01
42) 2,4,6-Tribromophenol	10.48	330	131209	76.51	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	731037	74.10	ng	0.00
79) Terphenyl-d14	12.76	244	717230	42.74	ng	-0.01

Target Compounds				Qvalue		
49) Acenaphthylene	9.55	152	39000	2.816	ng	98
50) Dimethylphthalate	9.41	163	43477	4.013	ng	98
58) Fluorene	10.23	166	24549	2.421	ng	100
71) Phenanthrene	11.20	178	341635	26.007	ng	98
72) Anthracene	11.25	178	106377	7.927	ng	96
73) Carbazole	11.41	167	28011	2.207	ng	96
75) Fluoranthene	12.39	202	468809	33.075	ng	97
78) Pyrene	12.62	202	458168	19.248	ng	97
81) Benzo(a)anthracene	13.81	228	318101	17.125	ng	96
83) Chrysene	13.84	228	277413	14.698	ng	98
86) Indeno(1,2,3-cd)pyrene	16.57	276	129496	7.784	ng	94
88) Benzo(b)fluoranthene	14.83	252	396146m	18.429	ng	
89) Benzo(k)fluoranthene	14.85	252	119117m	6.422	ng	
90) Benzo(a)pyrene	15.17	252	248506	13.750	ng	98
91) Dibenzo(a,h)anthracene	16.58	278	34790m	2.173	ng	
92) Benzo(g,h,i)perylene	16.98	276	118890	7.523	ng	99

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

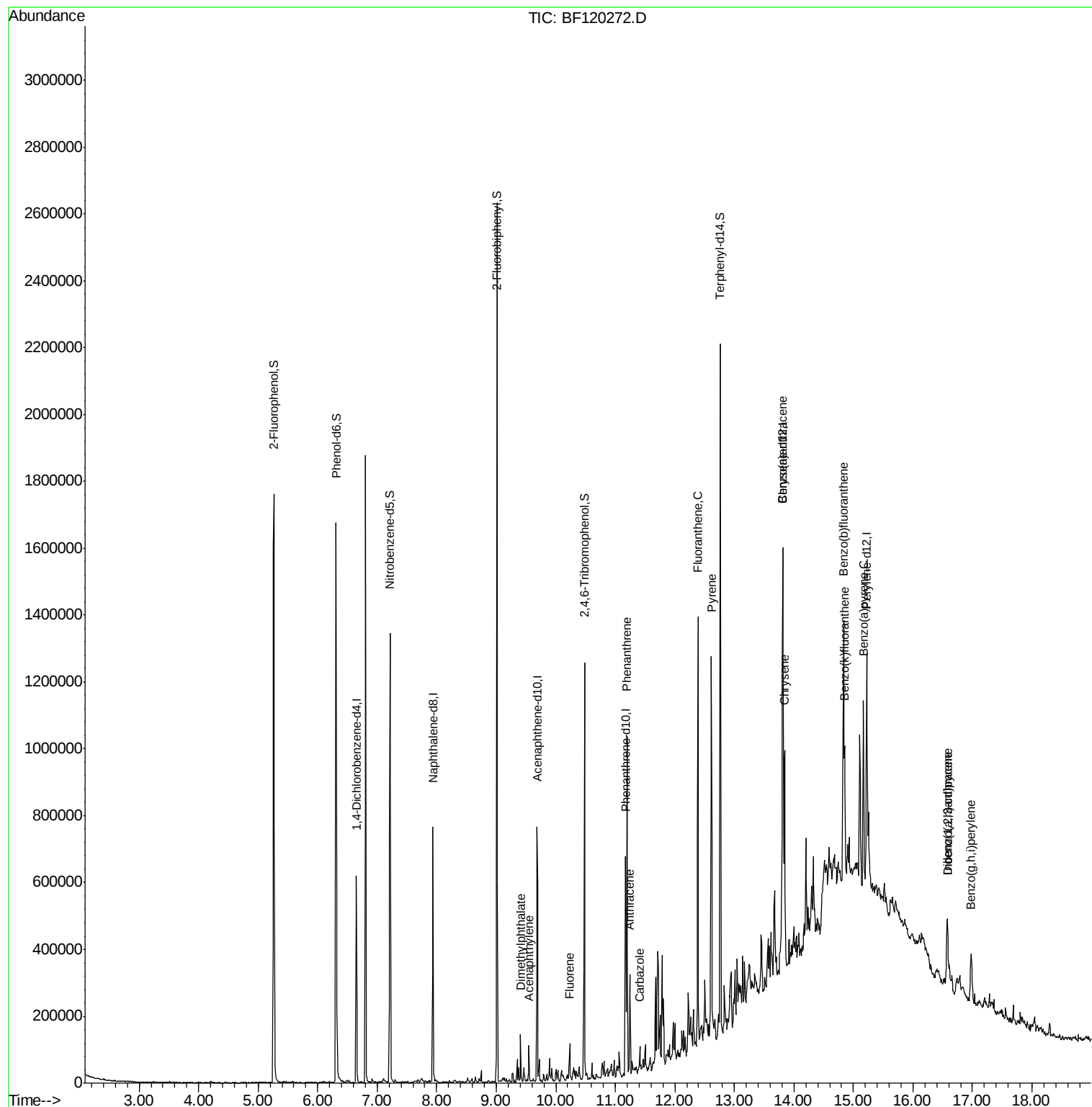
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050120\
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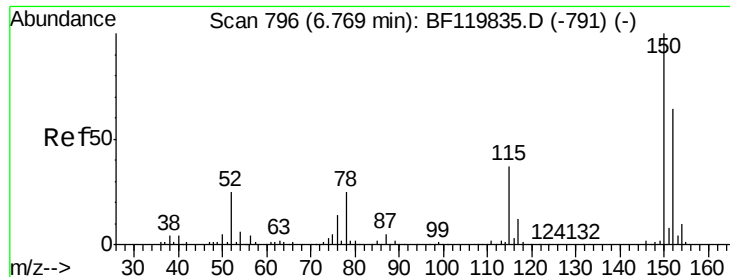
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

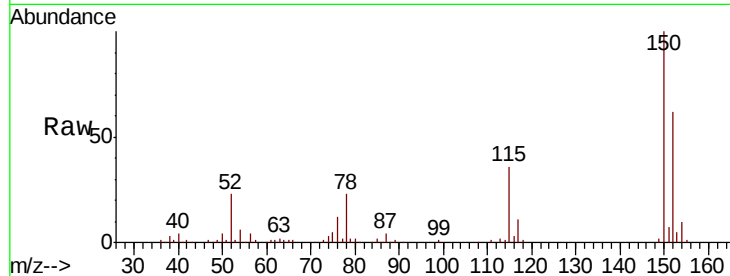
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. 0.00 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Instrument :
BNA_F
ClientSampleId :
JHDS-SOUTH-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.5	186.7
115	57.0	49.6	74.4

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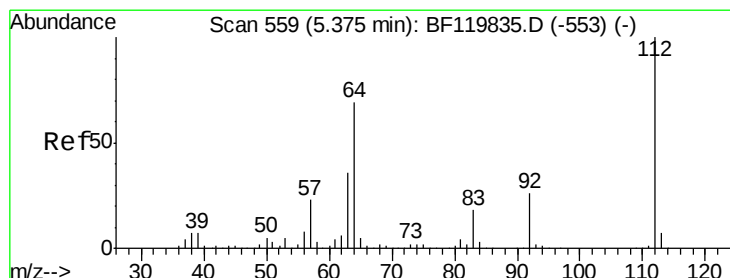
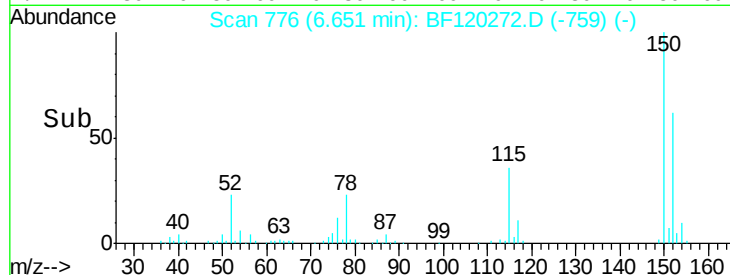
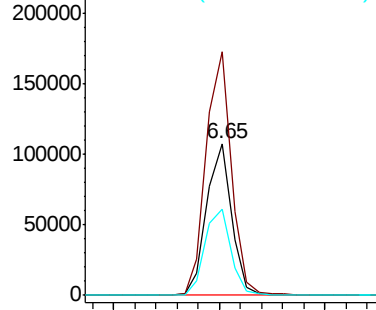


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

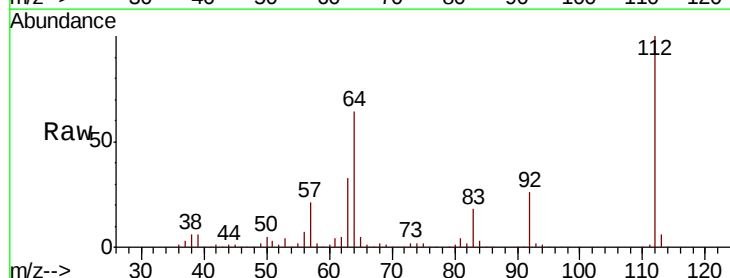
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.712 ng
RT: 5.26 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.2	56.7	85.1
63	32.7	29.5	44.3

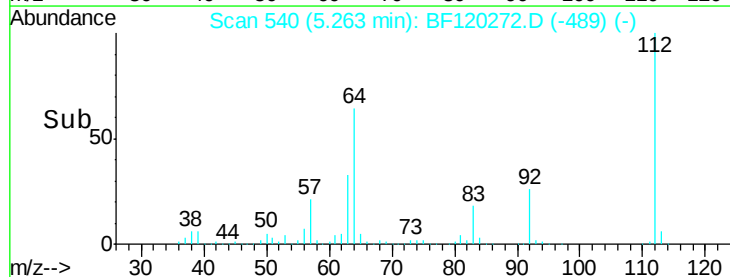
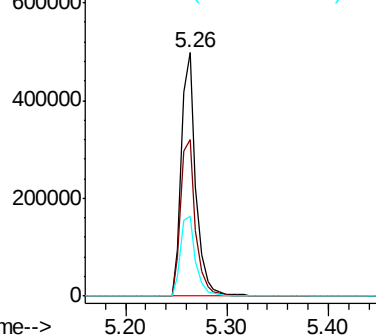


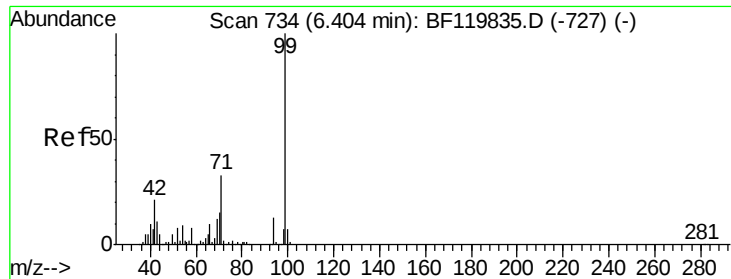
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 93.980 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

Instrument :

BNA_F

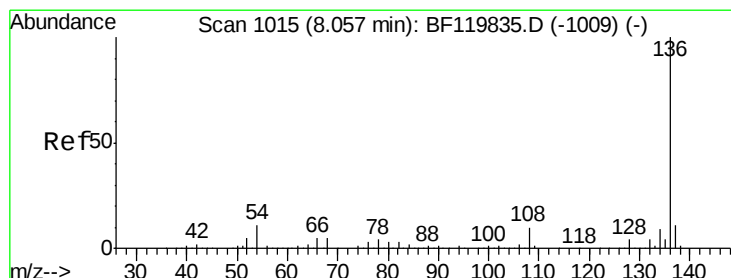
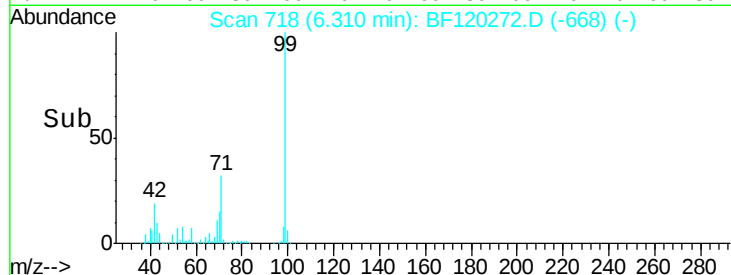
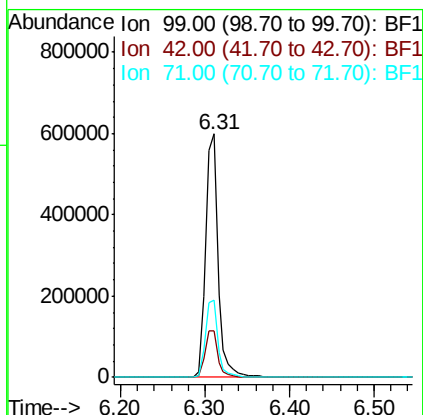
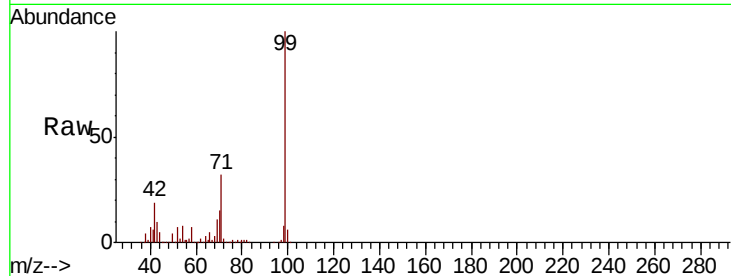
ClientSampleId :

JHDS-SOUTH-D

Tot Ion:	99	Resp:	615852
Ion Ratio	Lower	Upper	
99	100		
42	19.1	16.6	24.8
71	31.5	26.4	39.6

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#21

Naphthalene-d8

Concen: 20.000 ng

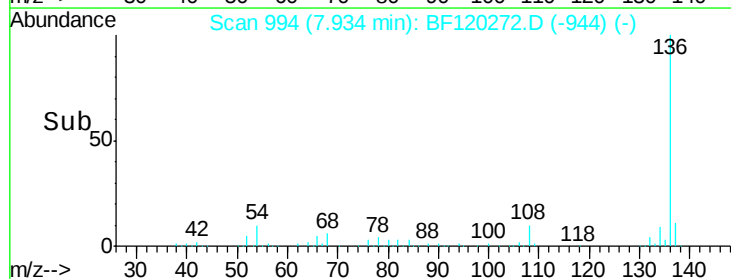
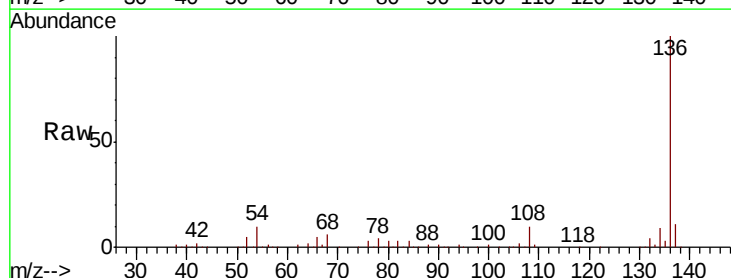
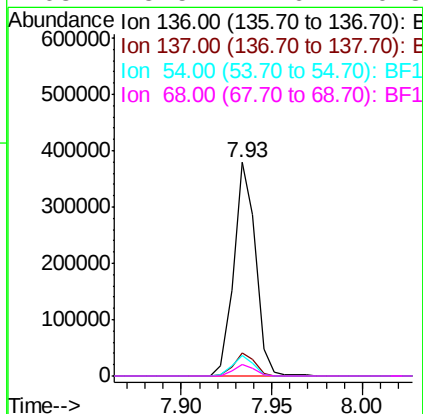
RT: 7.93 min Scan# 994

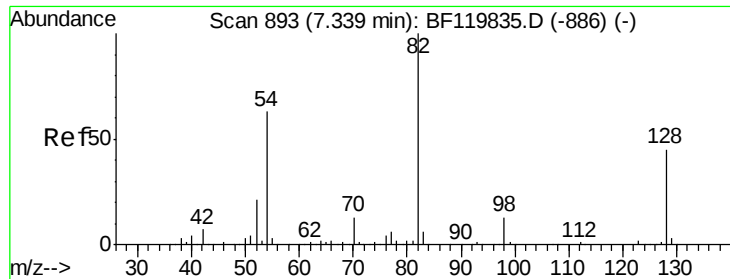
Delta R.T. -0.01 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

Tgt Ion:	136	Resp:	316725
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	9.6	9.1	13.7
68	5.5	4.6	6.8





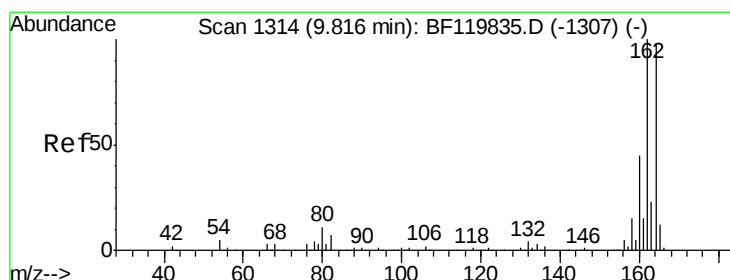
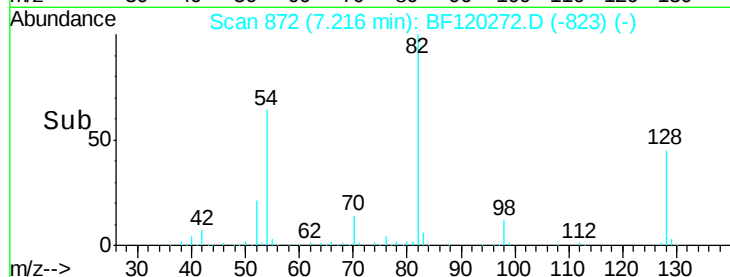
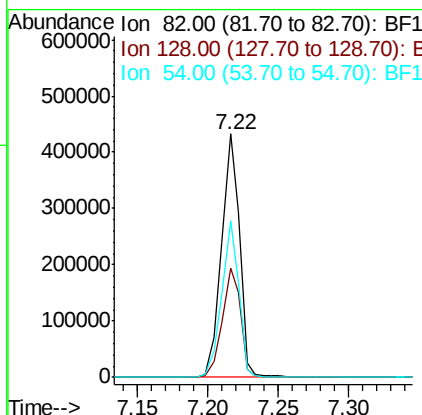
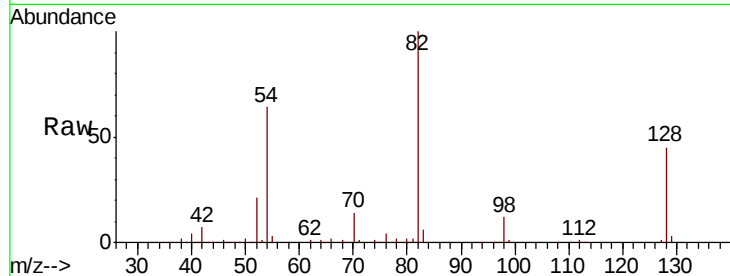
#23
Nitrobenzene-d5
Concen: 62.770 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Instrument :
BNA_F
ClientSampleId :
JHDS-SOUTH-D

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.0	36.3	54.5	
54	64.4	50.6	75.8	

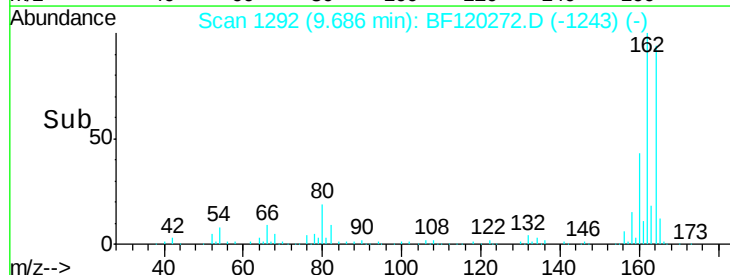
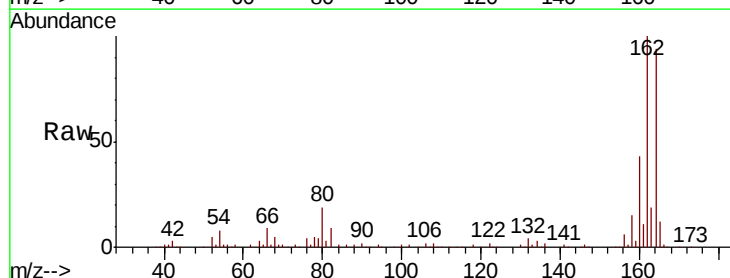
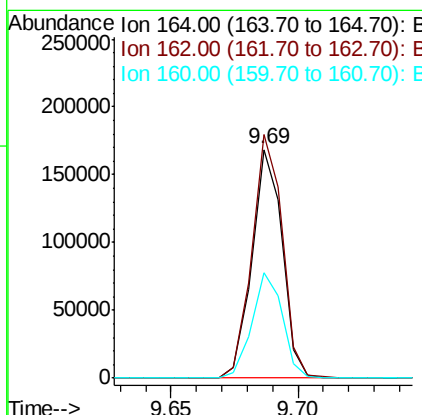
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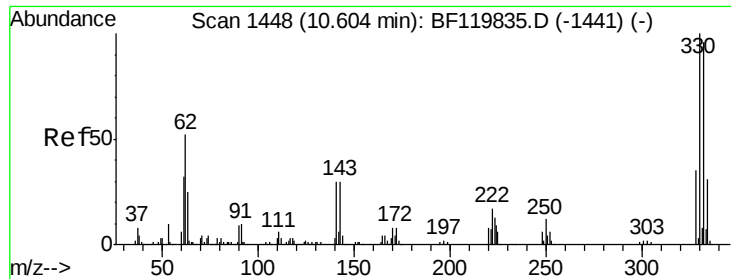
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	106.4	80.6	121.0	
160	46.2	35.7	53.5	





#42

2,4,6-Tribromophenol

Concen: 76.505 ng

RT: 10.48 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

Instrument :

BNA_F

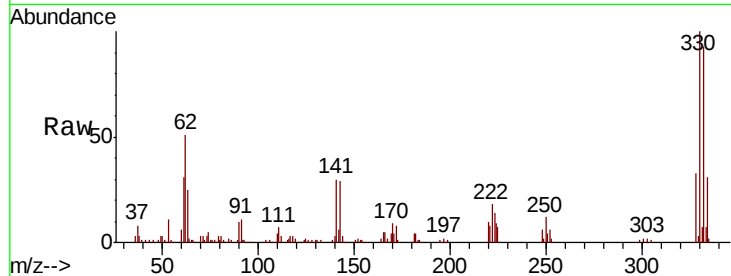
ClientSampleId :

JHDS-SOUTH-D

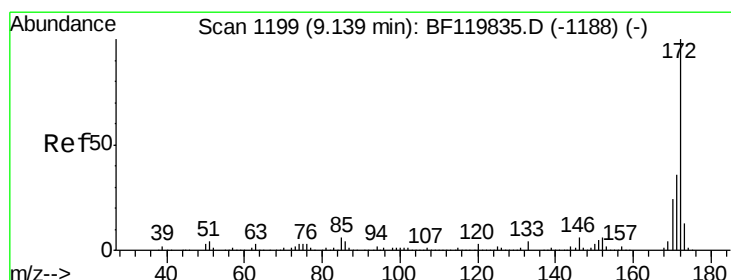
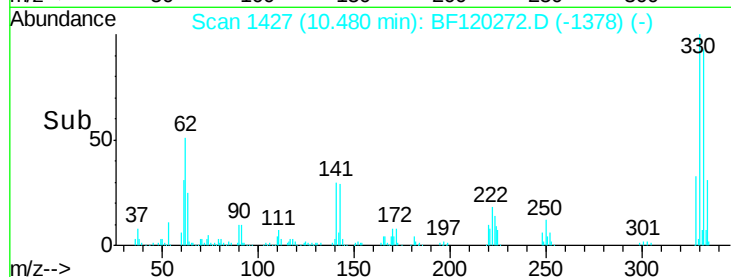
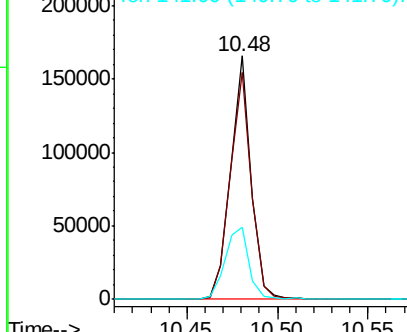
Tot Ion:	330	Resp:	131209
Ion Ratio	Lower	Upper	
330	100		
332	96.7	75.7	113.5
141	34.2	25.4	38.0

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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: 74.095 ng

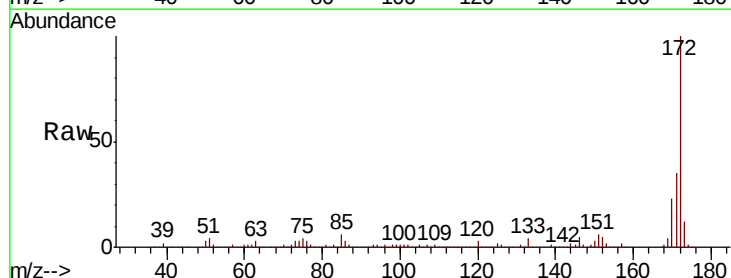
RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

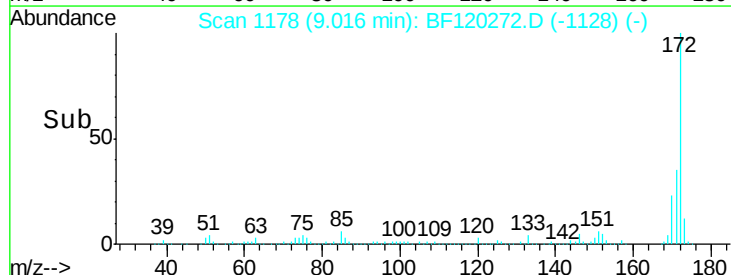
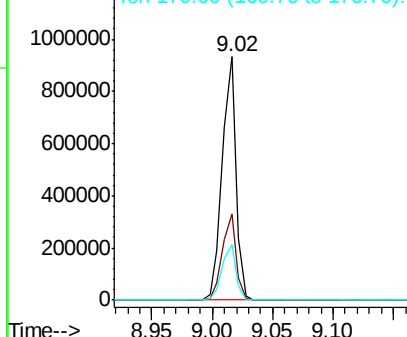
Lab File: BF120272.D

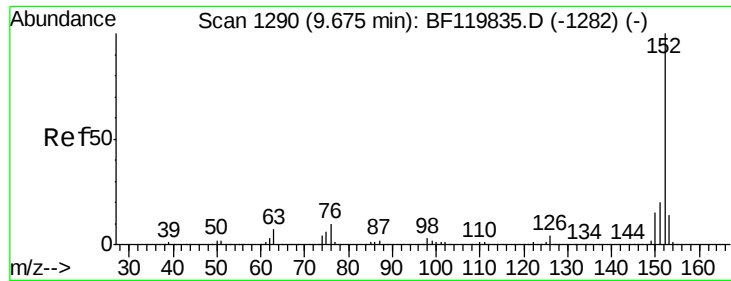
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Tgt Ion:	172	Resp:	731037
Ion Ratio	Lower	Upper	
172	100		
171	35.4	29.6	44.4
170	22.9	20.2	30.2



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





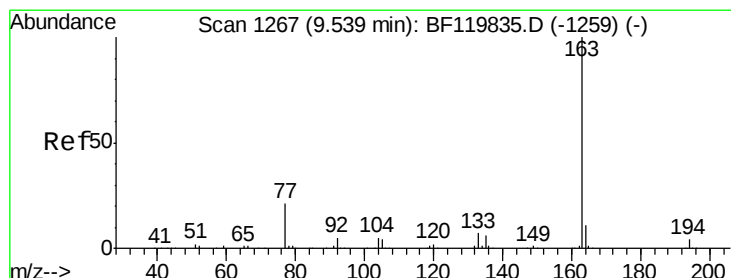
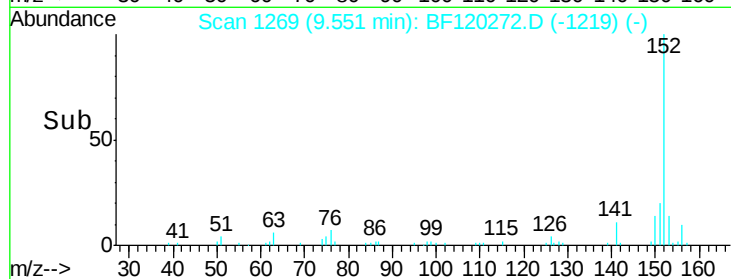
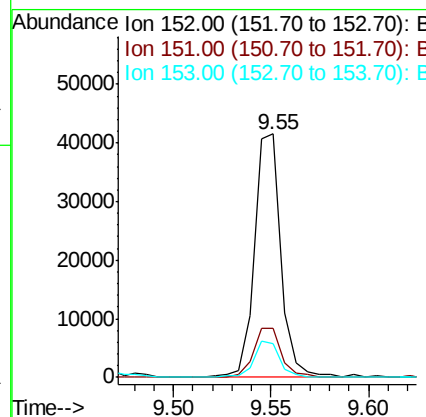
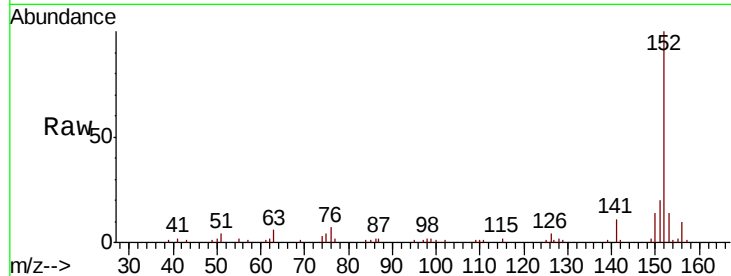
#49
Acenaphthylene
Concen: 2.816 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Instrument :
BNA_F
ClientSampleId :
JHDS-SOUTH-D

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	17.2	25.8
153	13.8	11.2	16.8

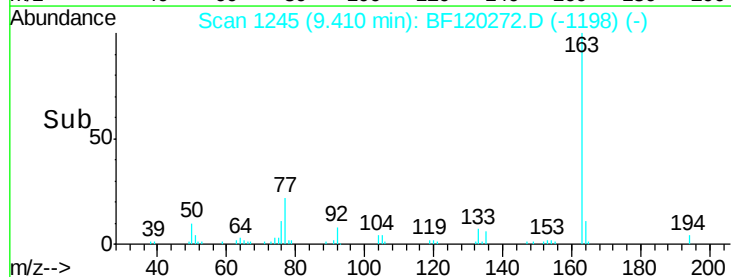
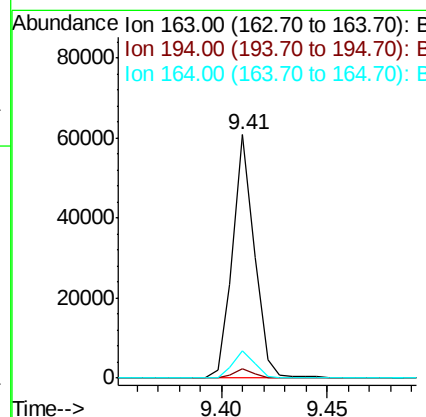
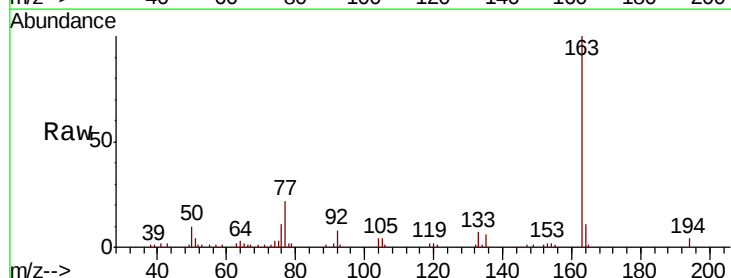
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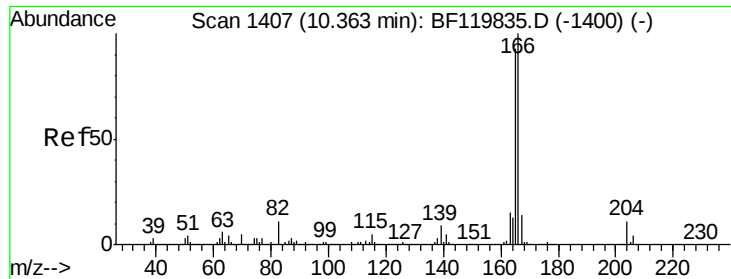
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#50
Dimethylphthalate
Concen: 4.013 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	11.0	8.2	12.2





#58

Fluorene

Concen: 2.421 ng

RT: 10.23 min Scan# 1385

Delta R.T. -0.01 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

Instrument :

BNA_F

ClientSampleId :

JHDS-SOUTH-D

Tot Ion:166 Resp: 24549

Ion Ratio Lower Upper

166 100

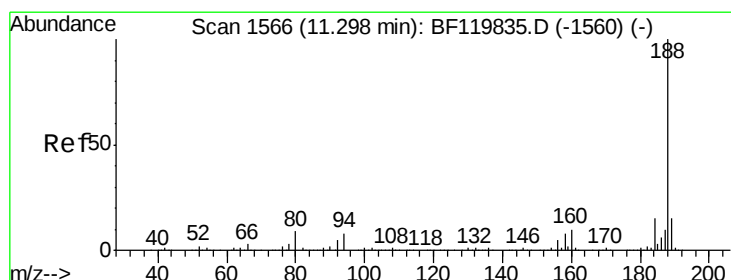
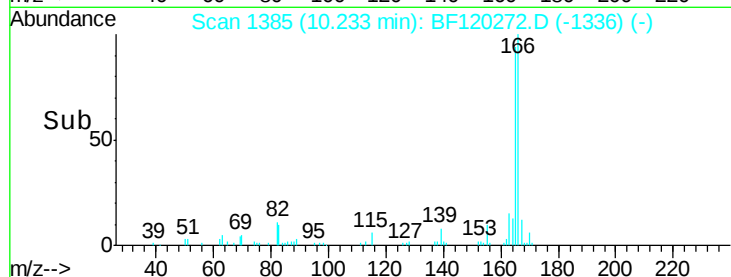
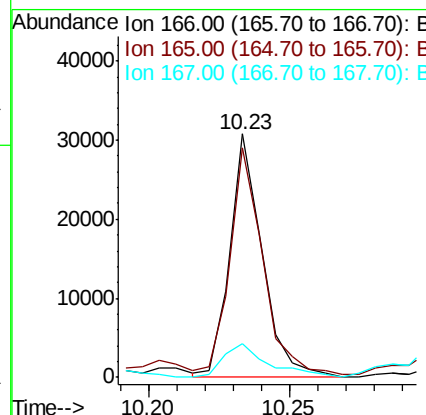
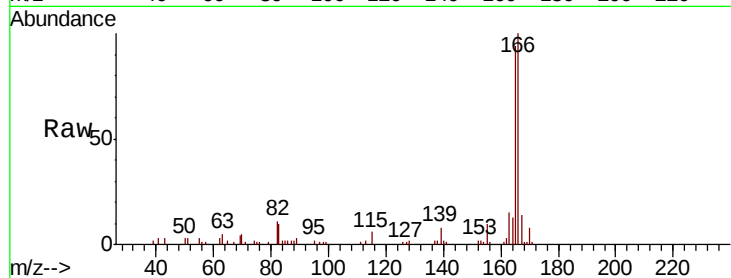
165 94.2 75.4 113.2

167 14.0 11.2 16.8

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#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1545

Delta R.T. -0.01 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

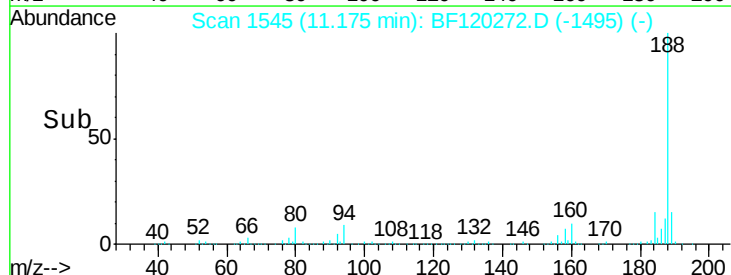
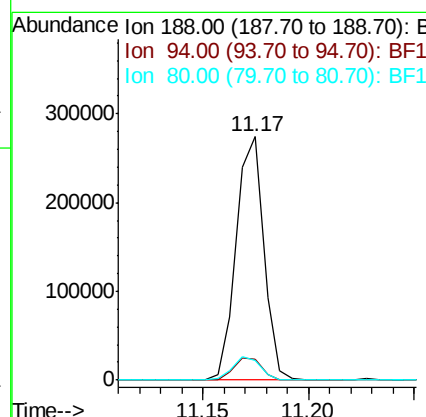
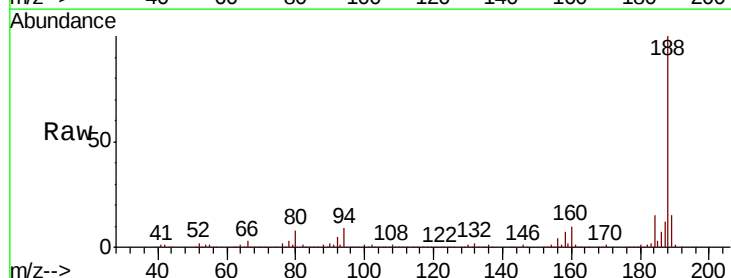
Tgt Ion:188 Resp: 246829

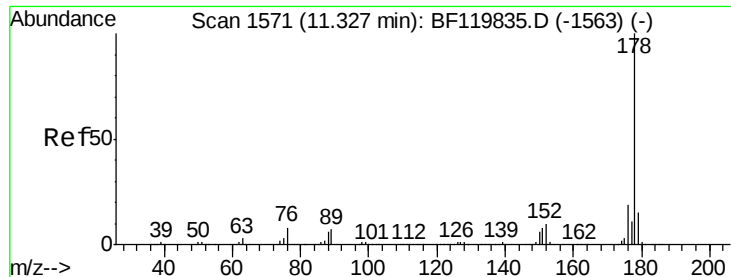
Ion Ratio Lower Upper

188 100

94 8.5 7.5 11.3

80 8.2 9.0 13.4#





#71

Phenanthrene

Concen: 26.007 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

Instrument :

BNA_F

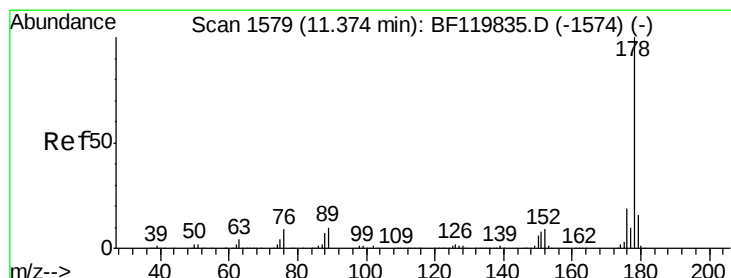
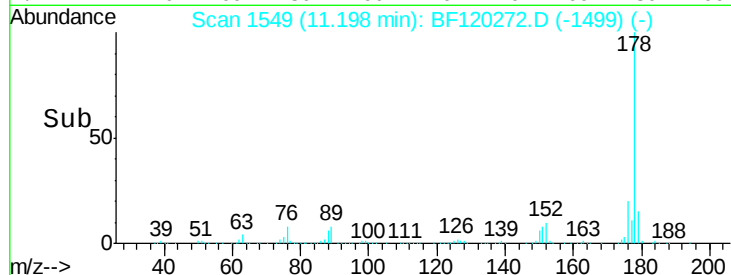
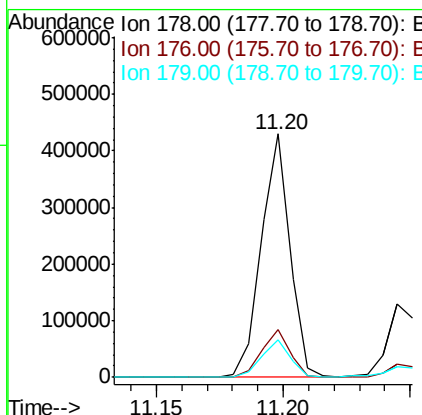
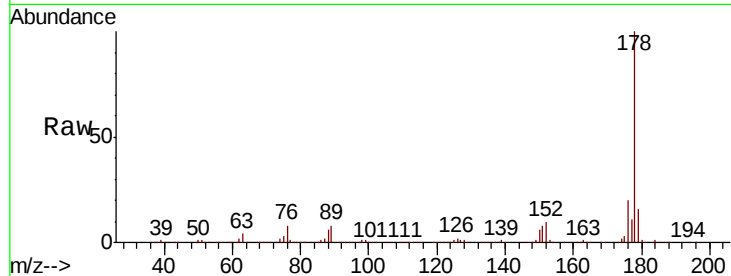
ClientSampleId :

JHDS-SOUTH-D

Tot Ion:178	Resp:	341635
Ion Ratio	Lower	Upper
178	100	
176	19.5	16.2 24.4
179	15.5	13.2 19.8

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#72

Anthracene

Concen: 7.927 ng

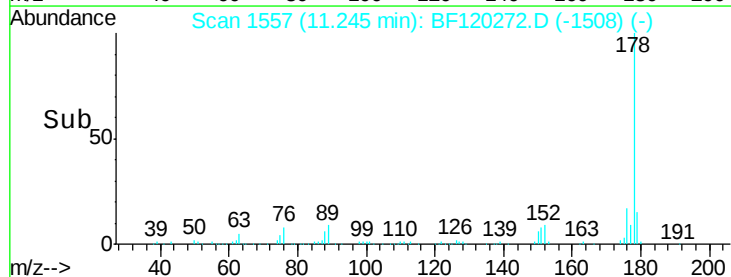
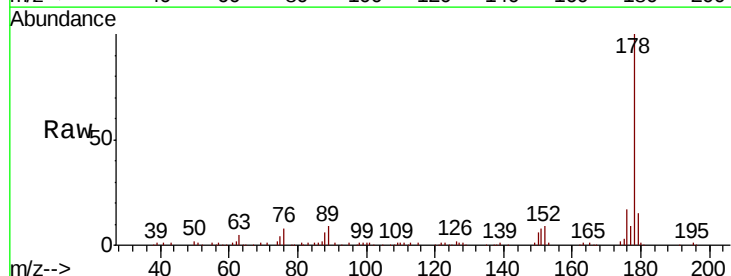
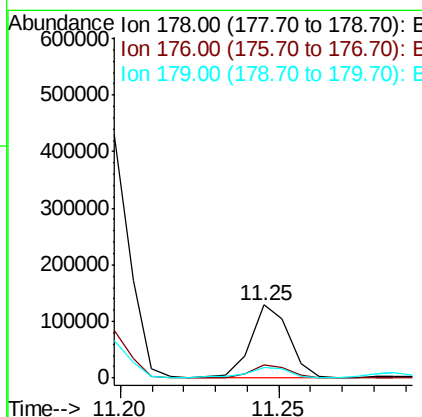
RT: 11.25 min Scan# 1557

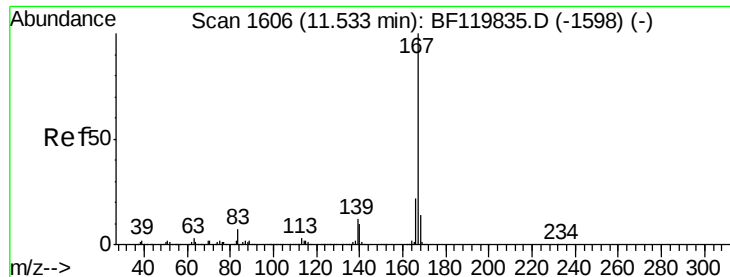
Delta R.T. -0.01 min

Lab File: BF120272.D

Acq: 1 May 2020 21:41

Tgt Ion:178	Resp:	106377
Ion Ratio	Lower	Upper
178	100	
176	17.4	16.1 24.1
179	15.1	13.0 19.4





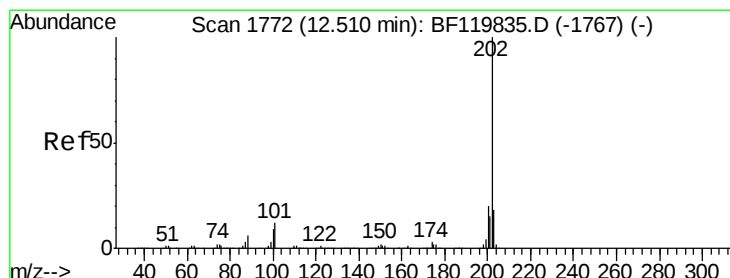
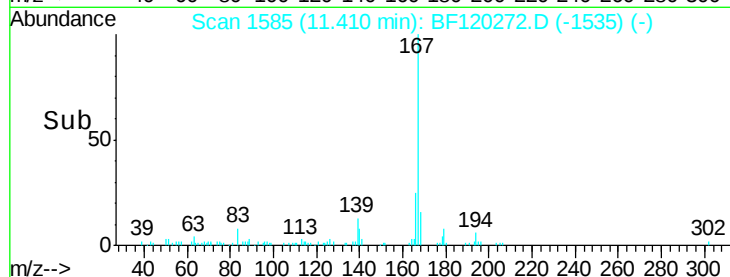
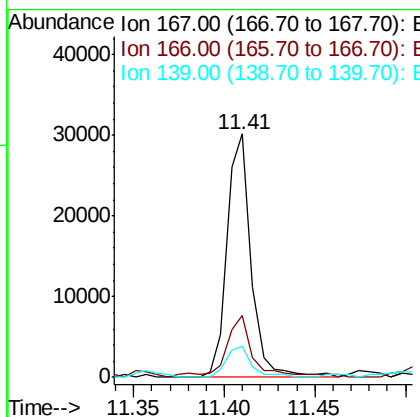
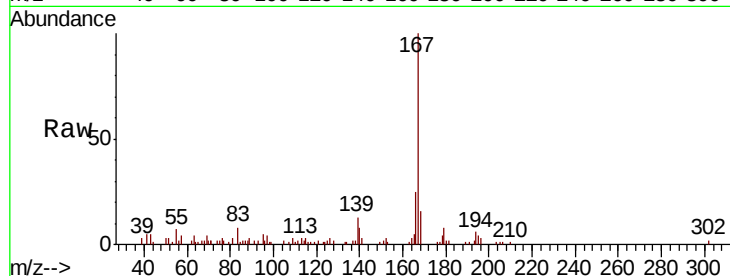
#73
 Carbazole
 Concen: 2.207 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF120272.D
 Acq: 1 May 2020 21:41

Instrument :
 BNA_F
 ClientSampleId :
 JHDS-SOUTH-D

Tot Ion	Ratio	Lower	Upper
167	100		
166	25.5	18.2	27.4
139	12.7	10.7	16.1

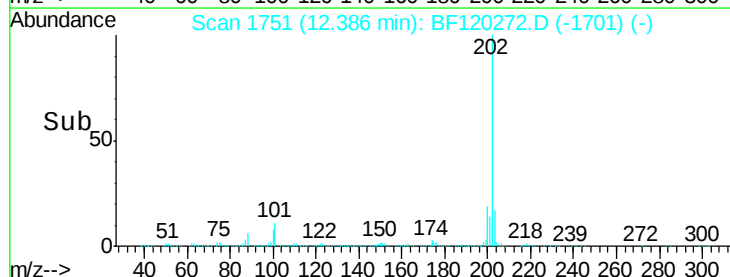
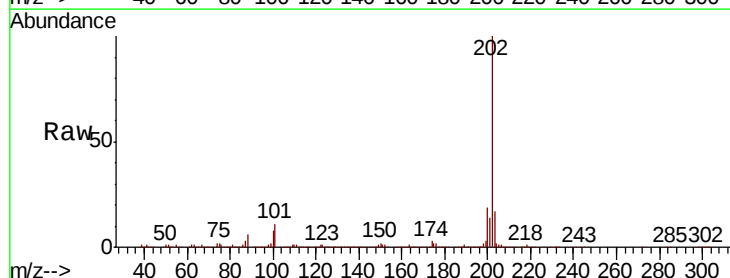
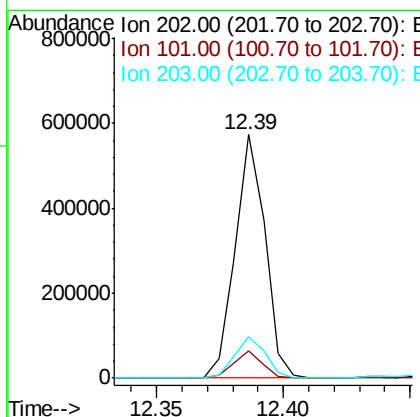
Manual Integrations
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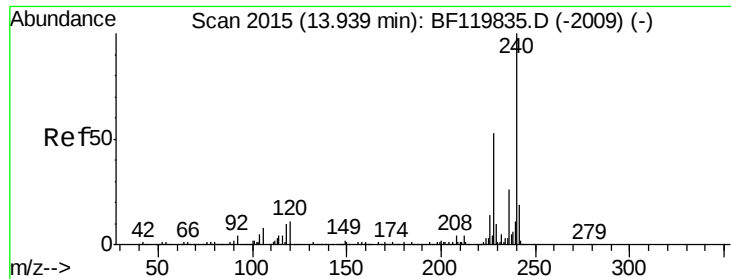
mohammad
 5/4/2020 3:45:37 PM



#75
 Fluoranthene
 Concen: 33.075 ng
 RT: 12.39 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BF120272.D
 Acq: 1 May 2020 21:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.2
203	16.9	0.0	38.8





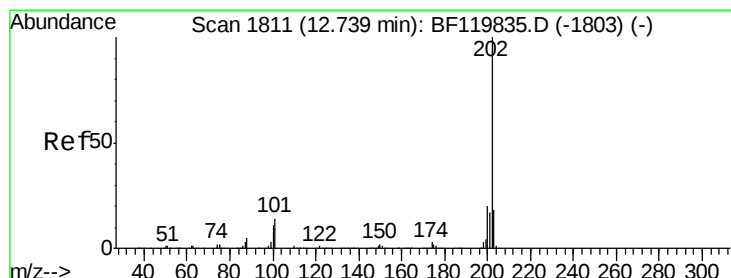
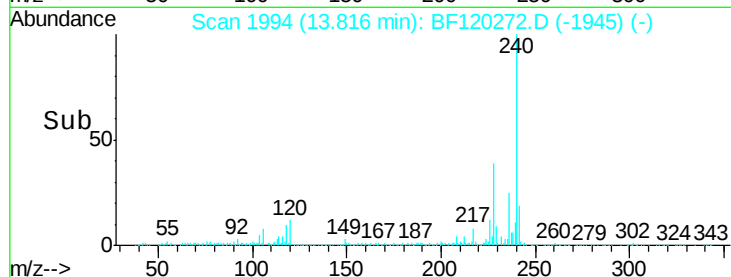
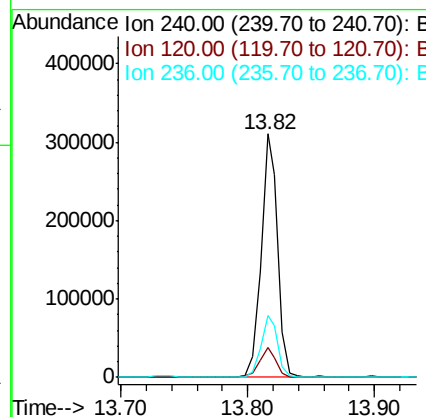
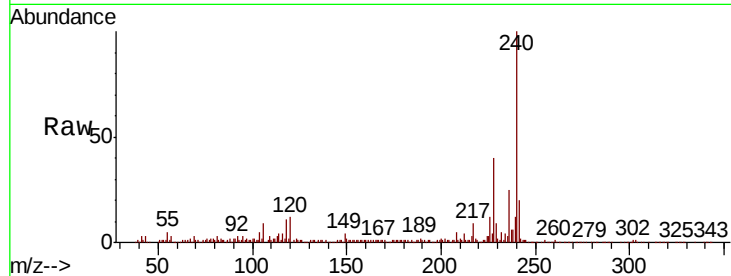
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Instrument :
BNA_F
ClientSampleId :
JHDS-SOUTH-D

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.6	15.8
236	25.4	20.2	30.2

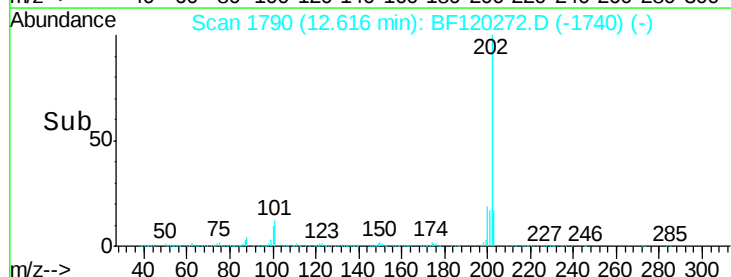
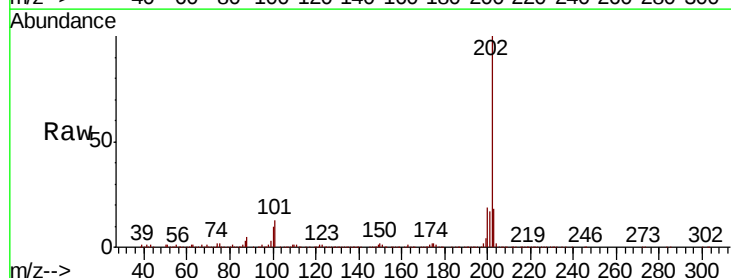
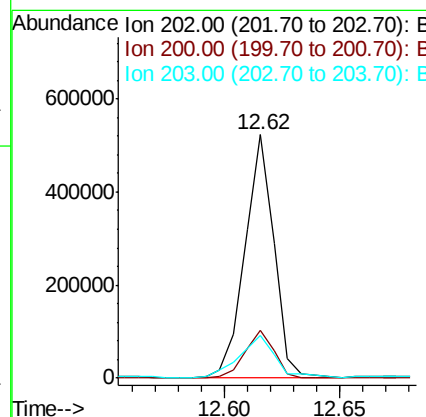
Manual Integrations
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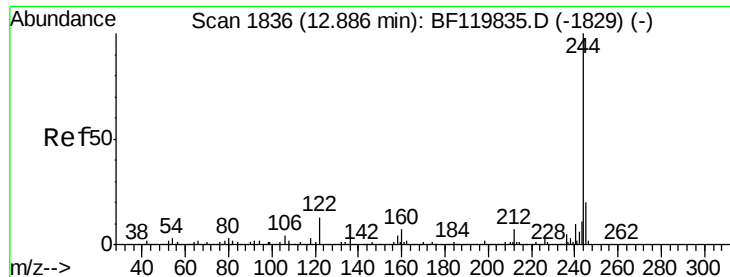
mohammad
5/4/2020 3:45:37 PM



#78
Pyrene
Concen: 19.248 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.5	16.8	25.2
203	17.6	15.1	22.7





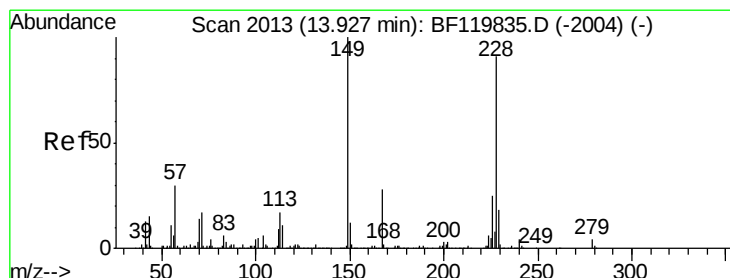
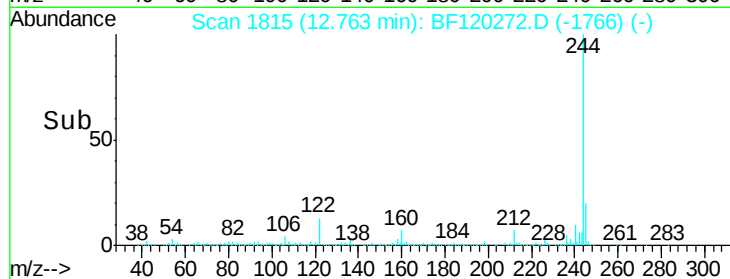
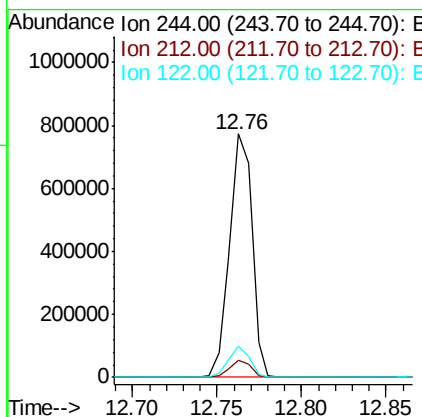
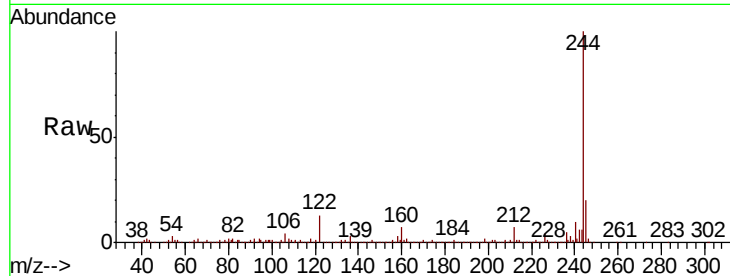
#79
 Terphenyl-d14
 Concen: 42.742 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF120272.D
 Acq: 1 May 2020 21:41

Instrument :
 BNA_F
 ClientSampleID :
 JHDS-SOUTH-D

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	12.9	10.3	15.5

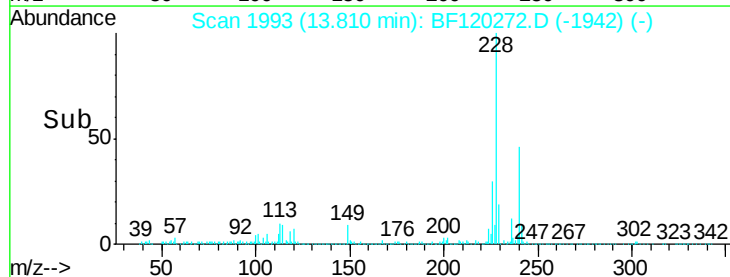
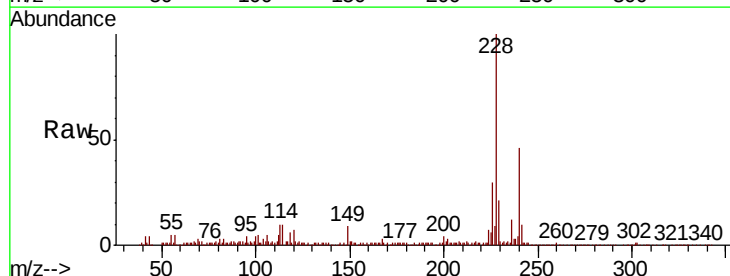
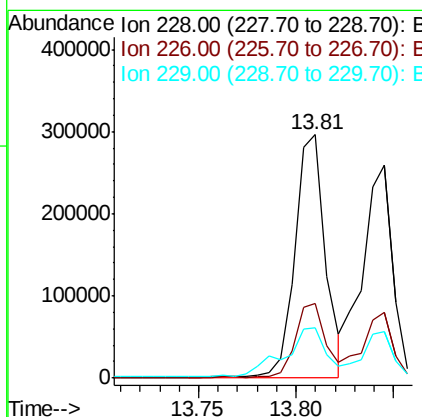
Manual Integrations
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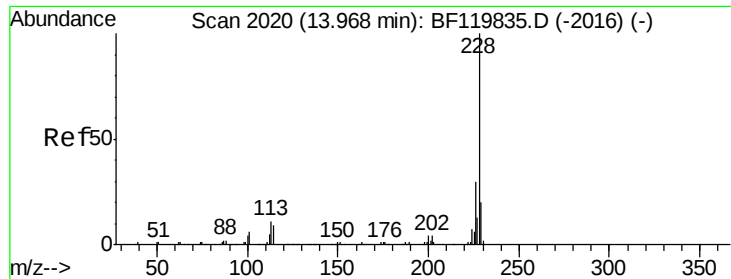
mohammad
 5/4/2020 3:45:37 PM



#81
 Benzo(a)anthracene
 Concen: 17.125 ng
 RT: 13.81 min Scan# 1993
 Delta R.T. 0.00 min
 Lab File: BF120272.D
 Acq: 1 May 2020 21:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	21.8	32.8
229	20.5	16.2	24.4





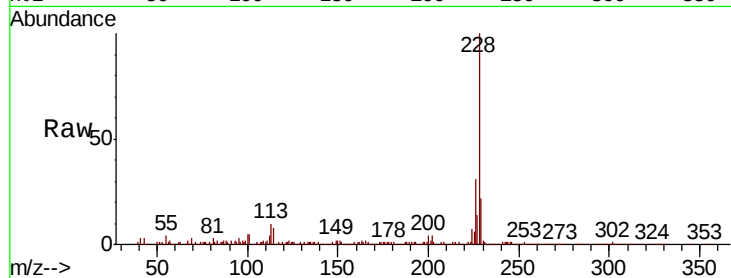
#83
Chrysene
Concen: 14.698 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Instrument :
BNA_F
ClientSampleId :
JHDS-SOUTH-D

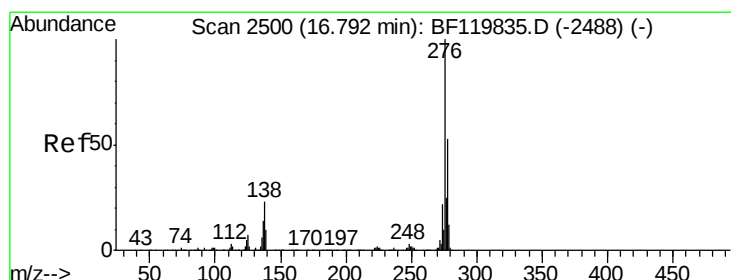
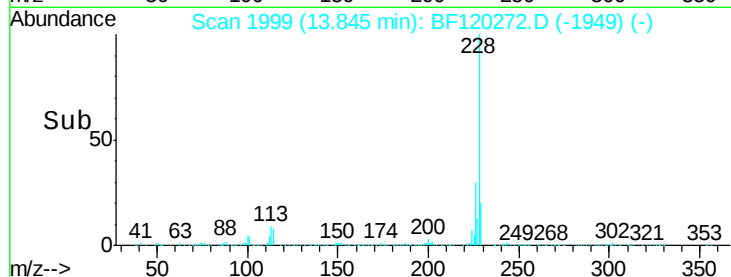
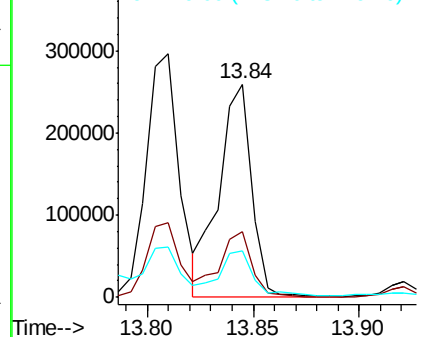
Tot Ion:228	Resp:	277413
Ion Ratio	Lower	Upper
228 100		
226 30.7	25.4	38.0
229 21.8	16.6	24.8

Manual Integrations
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mohammad
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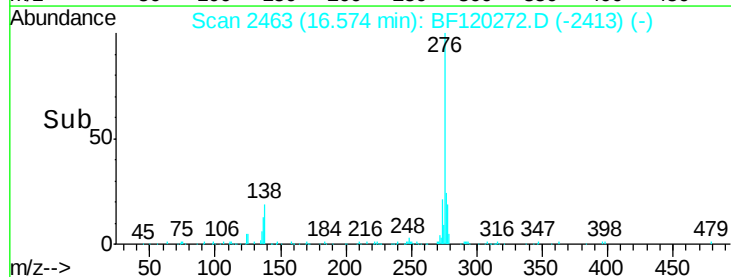
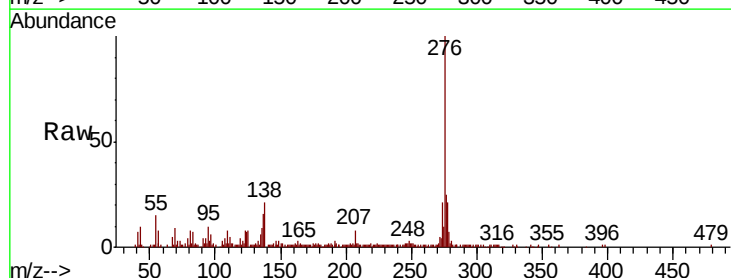
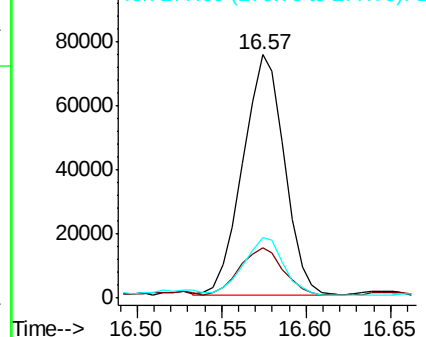
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

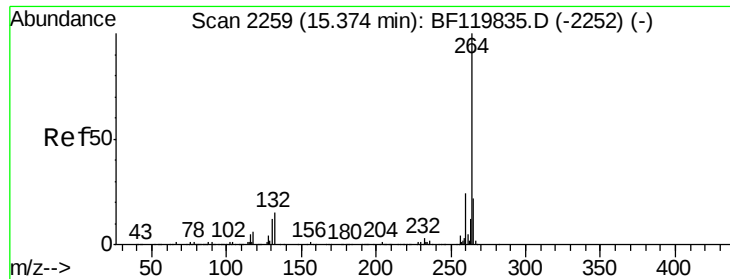


#86
Indeno(1,2,3-cd)pyrene
Concen: 7.784 ng
RT: 16.57 min Scan# 2463
Delta R.T. -0.01 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Tgt Ion:276	Resp:	129496
Ion Ratio	Lower	Upper
276 100		
138 20.0	19.6	29.4
277 23.4	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





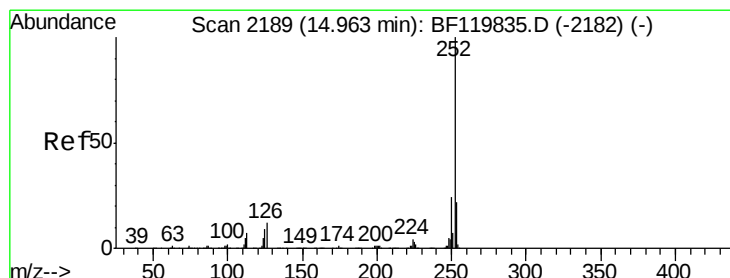
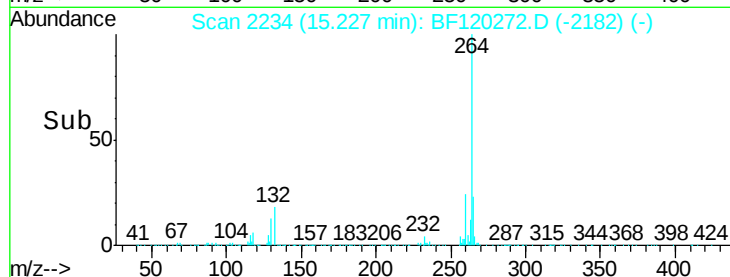
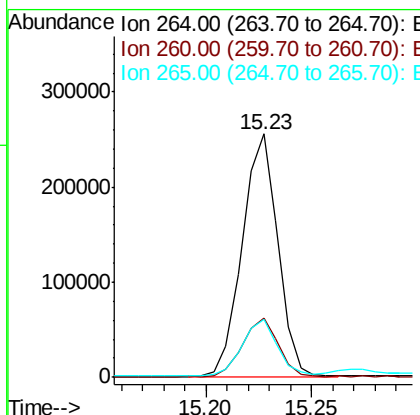
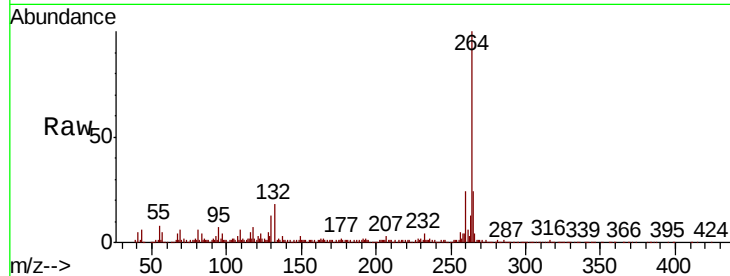
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Instrument :
BNA_F
ClientSampleId :
JHDS-SOUTH-D

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	23.6	17.7	26.5

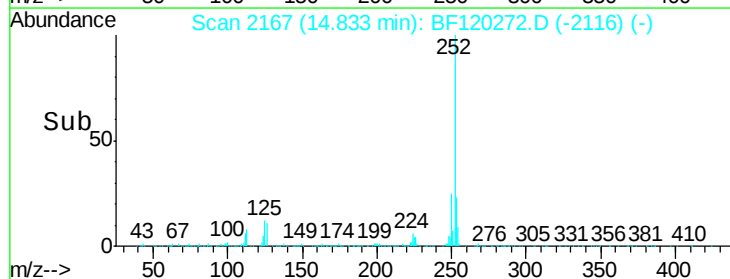
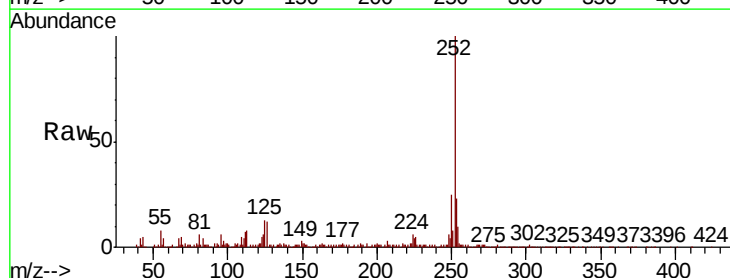
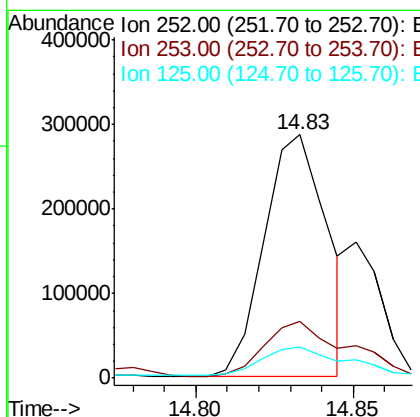
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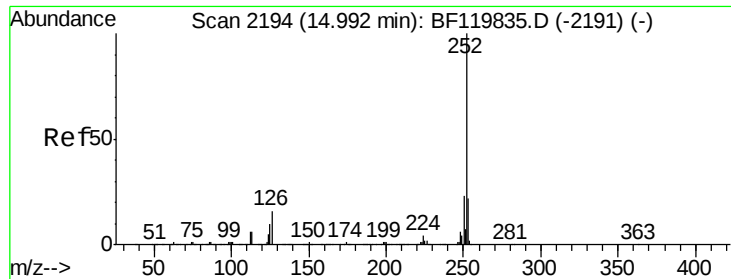
mohammad
5/4/2020 3:45:37 PM



#88
Benzo(b)fluoranthene
Concen: 18.429 ng m
RT: 14.83 min Scan# 2167
Delta R.T. 0.00 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	13.0	7.9	11.9





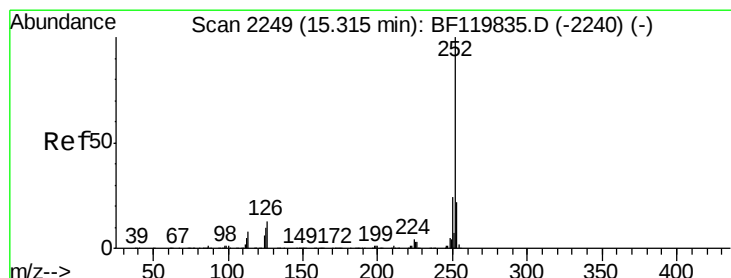
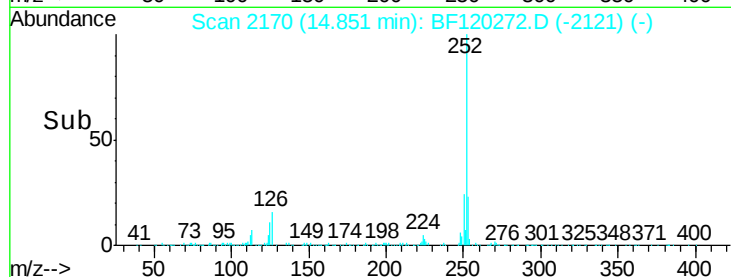
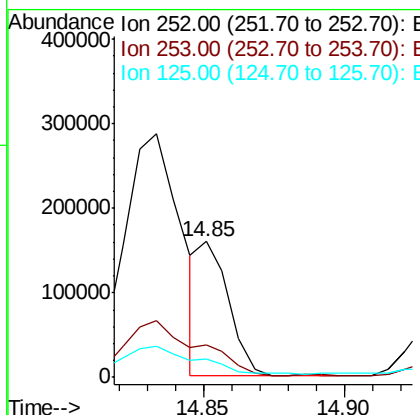
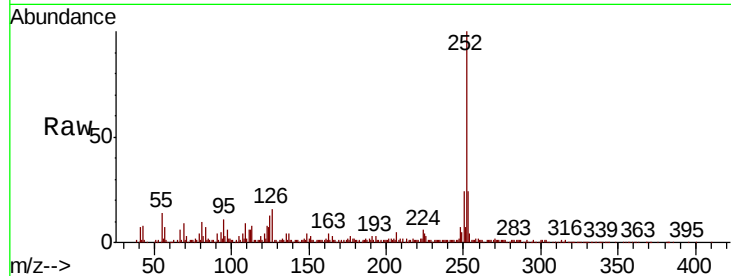
#89
Benzo(k)fluoranthene
Concen: 6.422 ng m
RT: 14.85 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Instrument :
BNA_F
ClientSampleId :
JHDS-SOUTH-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	13.4	8.4	12.6

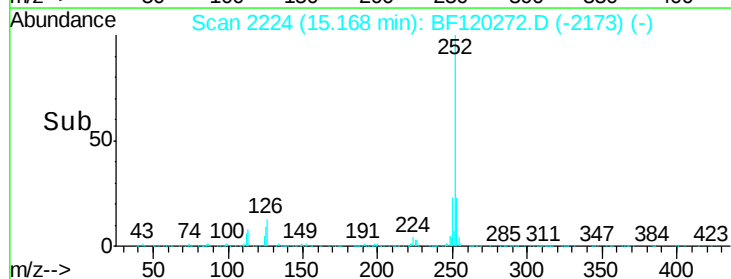
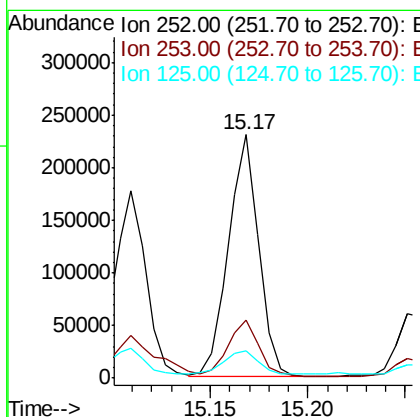
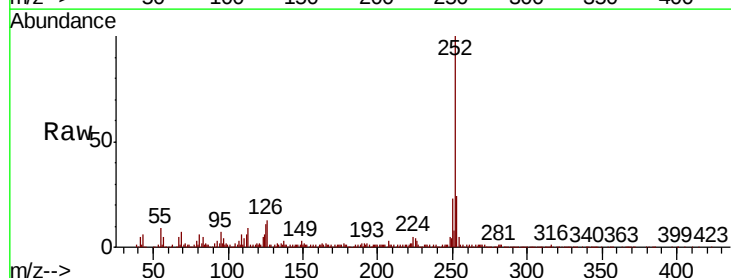
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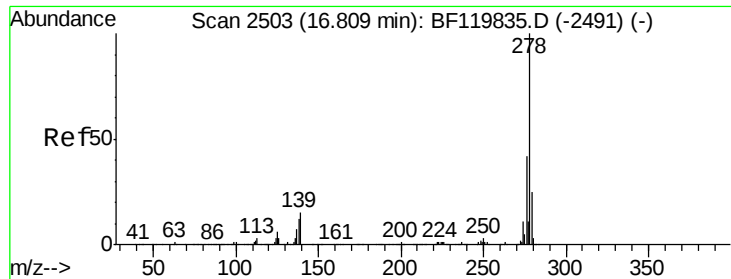
mohammad
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#90
Benzo(a)pyrene
Concen: 13.750 ng
RT: 15.17 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	11.2	9.4	14.2





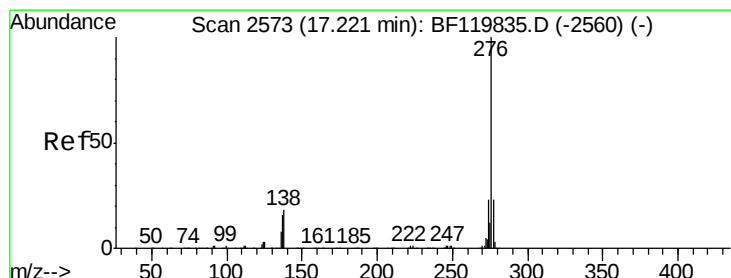
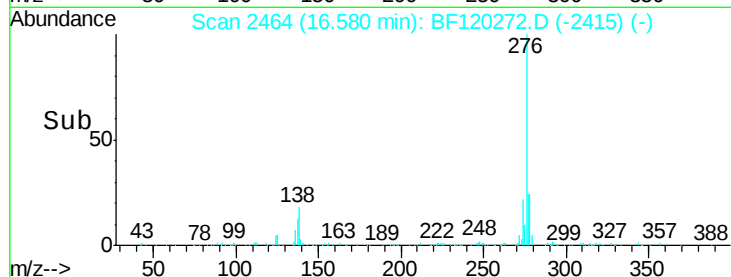
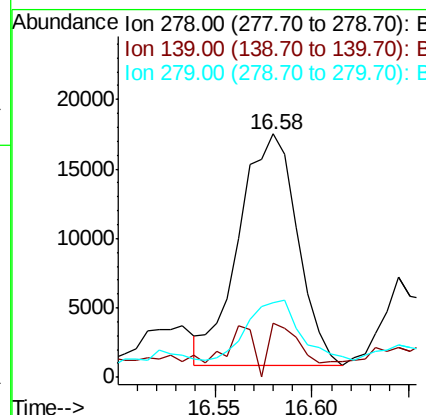
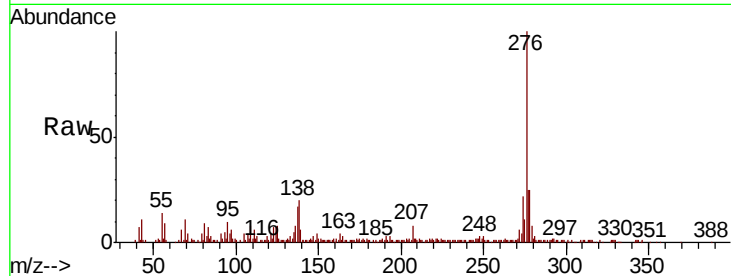
#91
Dibenzo(a,h)anthracene
Concen: 2.173 ng m
RT: 16.58 min Scan# 2464
Delta R.T. -0.01 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Instrument :
BNA_F
ClientSampleId :
JHDS-SOUTH-D

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.3	12.6	19.0#
279	30.6	19.0	28.6#

Manual Integrations
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mohammad
5/4/2020 3:45:37 PM



#92
Benzo(g,h,i)perylene
Concen: 7.523 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF120272.D
Acq: 1 May 2020 21:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.4	27.6
138	20.2	15.4	23.0

