

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020420\
 Data File : BF118817.D
 Acq On : 4 Feb 2020 22:35
 Operator : CG/JU
 Sample : L1383-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-C

Manual Integrations
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Quant Time: Feb 05 07:12:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	293081	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1076187	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	557359	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	888054	20.00	ng	-0.01
76) Chrysene-d12	13.96	240	593812	20.00	ng	-0.02
87) Perylene-d12	15.42	264	753746	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1445613	93.37	ng	0.00
7) Phenol-d6	6.45	99	1740380	90.55	ng	0.00
23) Nitrobenzene-d5	7.37	82	1109008	61.42	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	534714	80.18	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	1955526	62.72	ng	-0.01
79) Terphenyl-d14	12.92	244	1651076	57.11	ng	-0.01
Target Compounds						
31) Naphthalene	8.12	128	219683	4.463	ng	97
37) 2-Methylnaphthalene	8.80	142	75517	2.212	ng	98
38) 1-Methylnaphthalene	8.90	142	70184	2.186	ng	98
49) Acenaphthylene	9.70	152	107799	2.329	ng	97
50) Dimethylphthalate	9.56	163	136861	3.606	ng	99
58) Fluorene	10.39	166	71402	2.154	ng	94
71) Phenanthrene	11.35	178	613780	14.047	ng	98
72) Anthracene	11.40	178	173267	3.986	ng	97
75) Fluoranthene	12.54	202	504884	10.583	ng	99
78) Pyrene	12.77	202	888138	21.802	ng	98
81) Benzo(a)anthracene	13.96	228	512757m	14.511	ng	
83) Chrysene	13.99	228	560245	15.797	ng	97
86) Indeno(1,2,3-cd)pyrene	16.84	276	438478	12.306	ng	96
88) Benzo(b)fluoranthene	15.00	252	626338m	13.391	ng	
89) Benzo(k)fluoranthene	15.01	252	209511m	5.144	ng	
90) Benzo(a)pyrene	15.35	252	721062	18.014	ng	100
91) Dibenzo(a,h)anthracene	16.85	278	138201	3.889	ng	# 91
92) Benzo(g,h,i)perylene	17.28	276	502197	14.696	ng	98

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

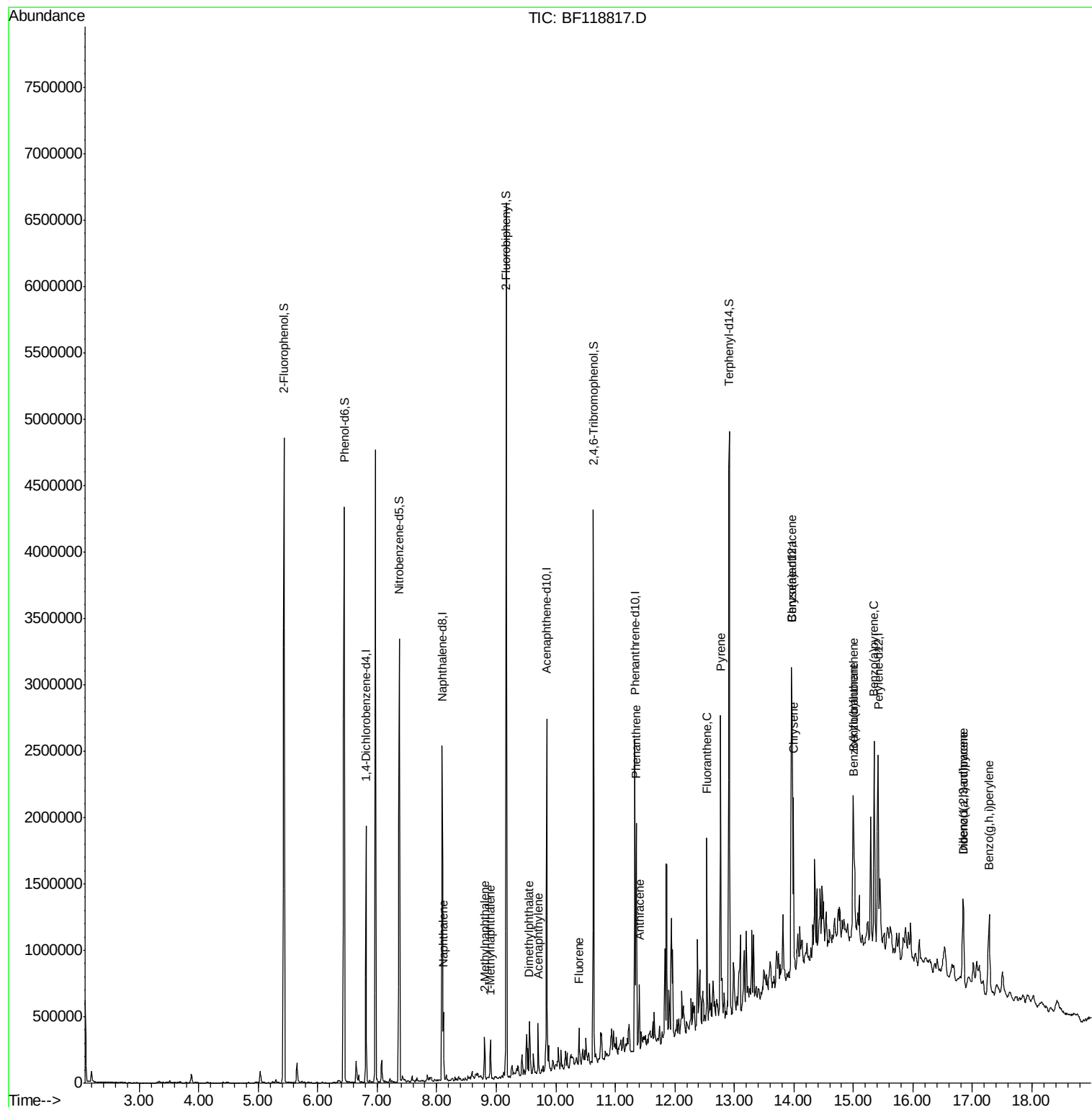
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020420\
Data File : BF118817.D
Acq On : 4 Feb 2020 22:35
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ALS Vial : 19 Sample Multiplier: 1

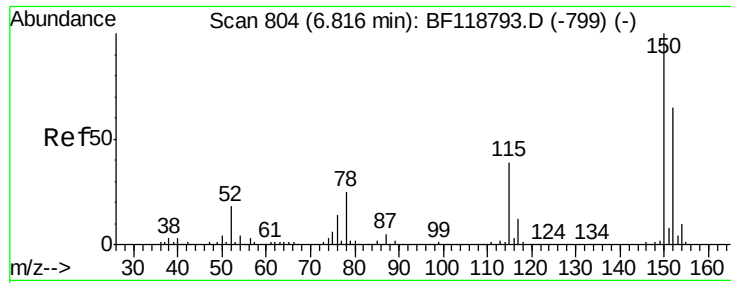
Instrument :
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ClientSampleId :
TP-C

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Quant Time: Feb 05 07:12:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration





#1

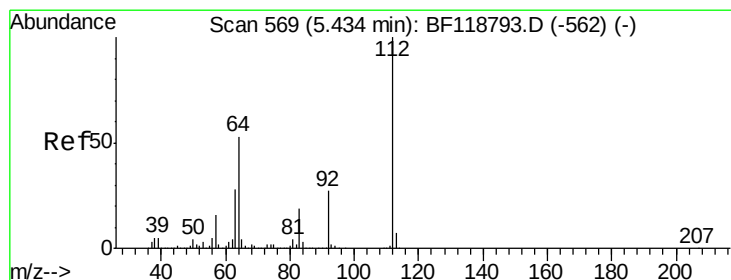
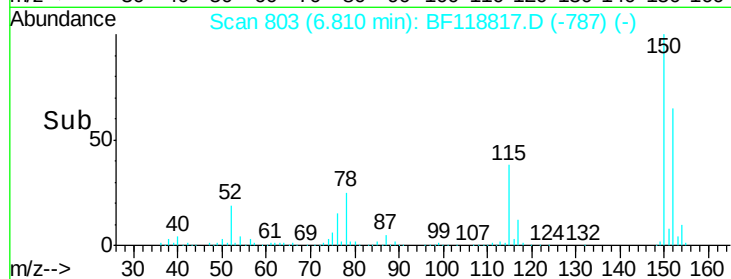
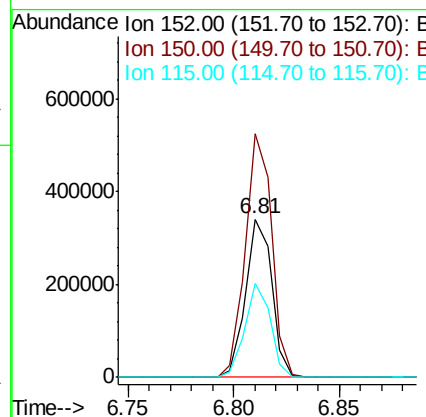
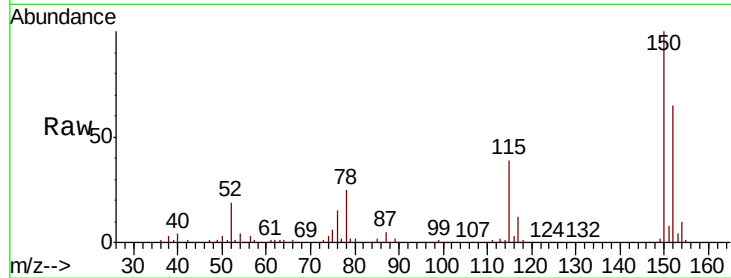
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Instrument :
BNA_F
ClientSampleId :
TP-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	123.6	185.4
115	59.4	48.2	72.2

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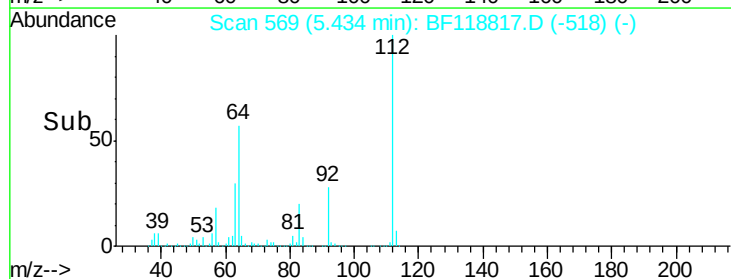
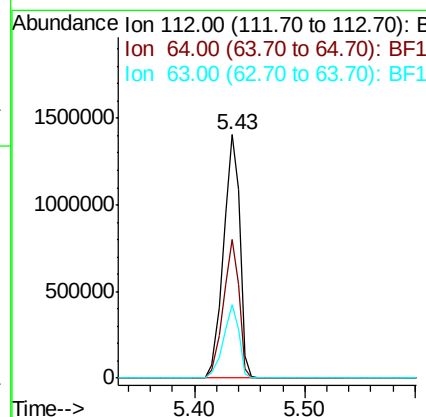
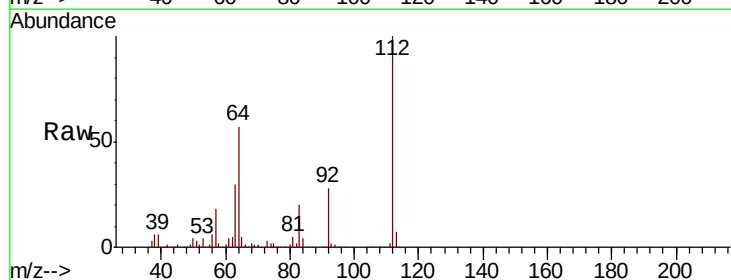
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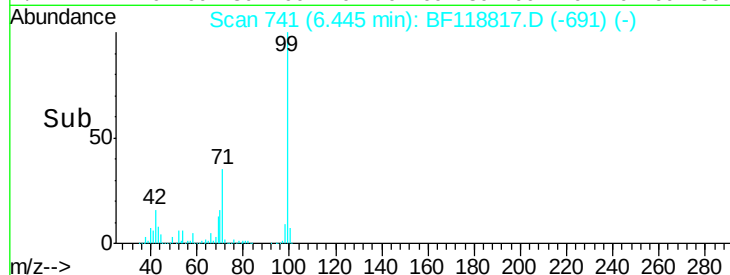
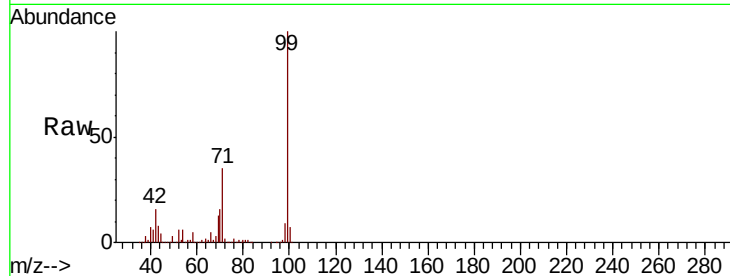
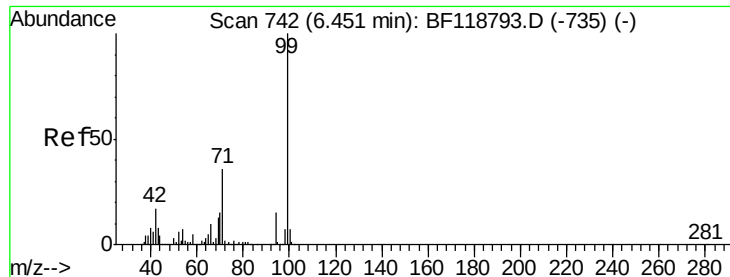


#5

2-Fluorophenol
Concen: 93.368 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	42.6	63.8
63	30.0	22.2	33.4





#7

Phenol-d6

Concen: 90.551 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118817.D

Acq: 4 Feb 2020 22:35

Tot Ion:	99	Resp:	1740380
Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.4	20.0
71	35.4	29.0	43.6

Instrument :

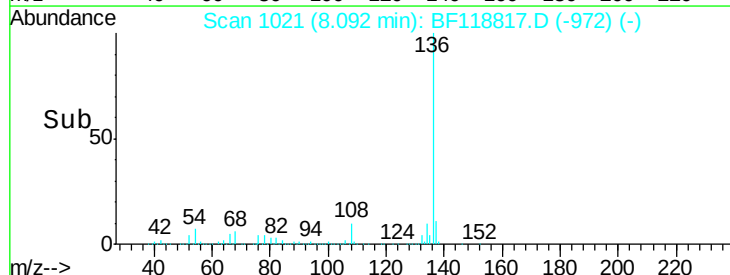
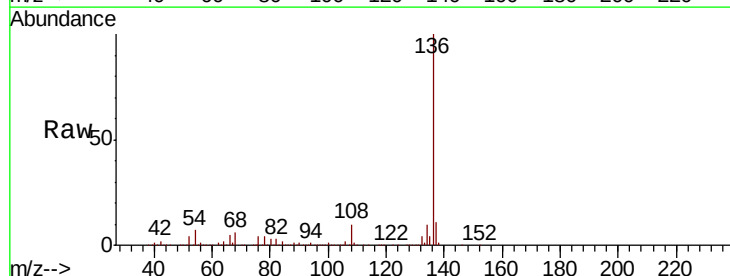
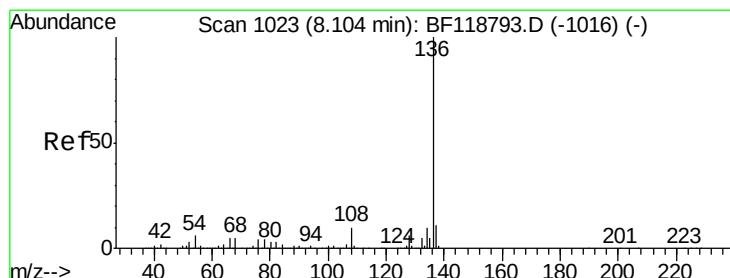
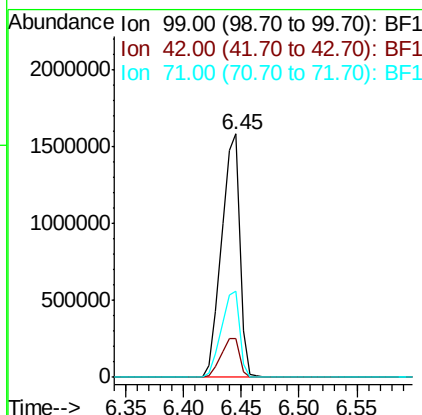
BNA_F

ClientSampleId :

TP-C

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#21

Naphthalene-d8

Concen: 20.000 ng

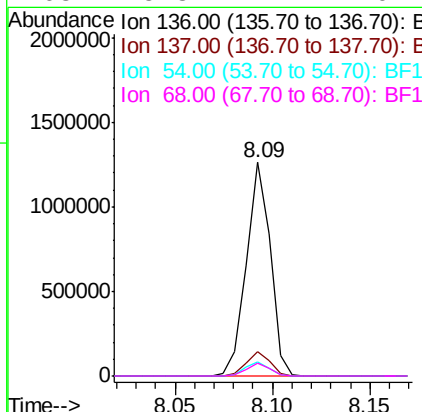
RT: 8.09 min Scan# 1021

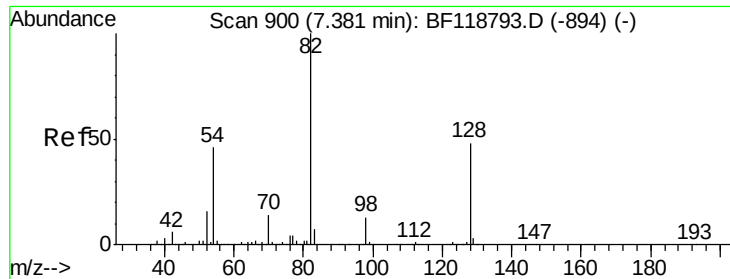
Delta R.T. -0.01 min

Lab File: BF118817.D

Acq: 4 Feb 2020 22:35

Tgt Ion:	136	Resp:	1076187
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	6.6	5.0	7.6
68	5.8	4.2	6.4





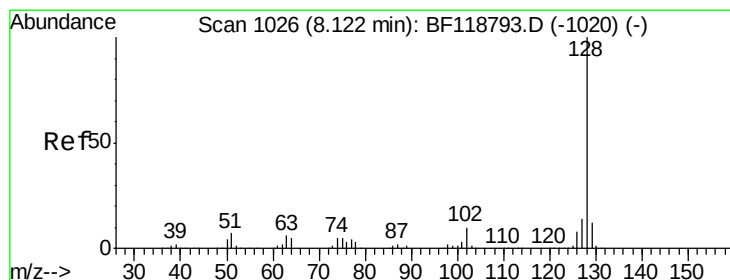
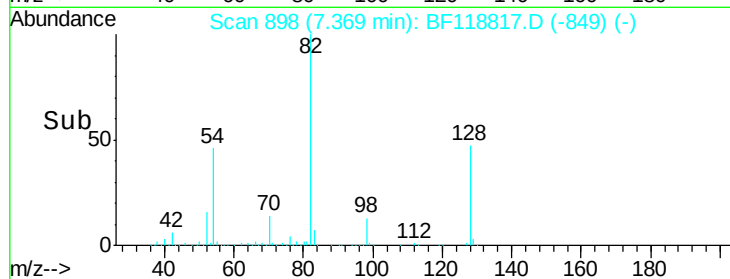
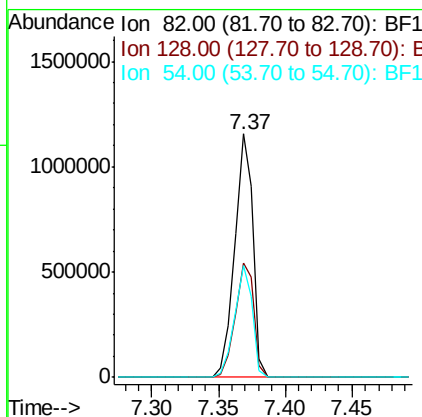
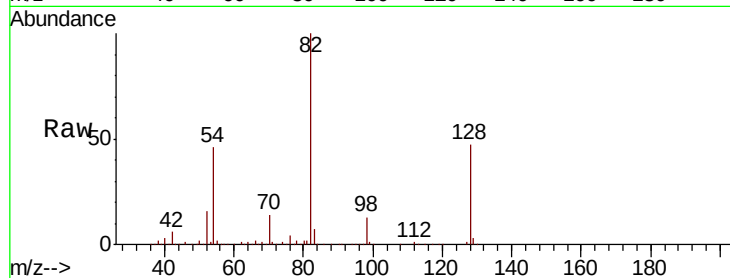
#23
Nitrobenzene-d5
Concen: 61.423 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Instrument :
BNA_F
ClientSampled :
TP-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.2	38.5	57.7
54	45.7	36.7	55.1

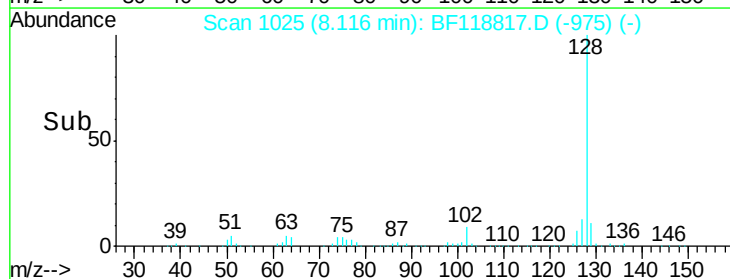
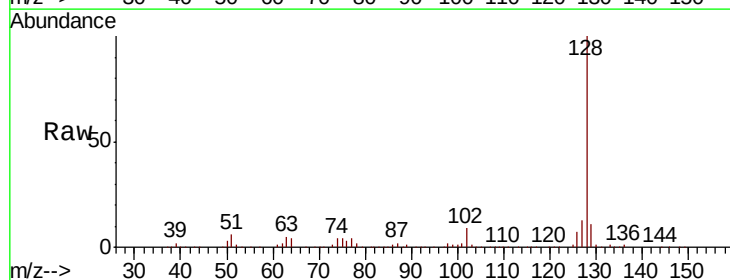
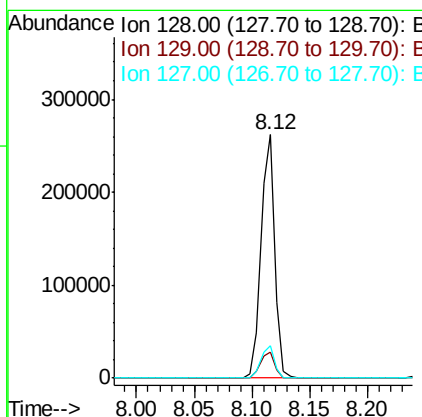
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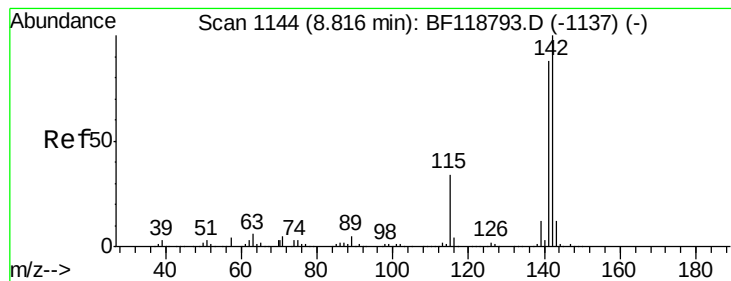
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#31
Naphthalene
Concen: 4.463 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.4	14.2
127	13.2	11.3	16.9





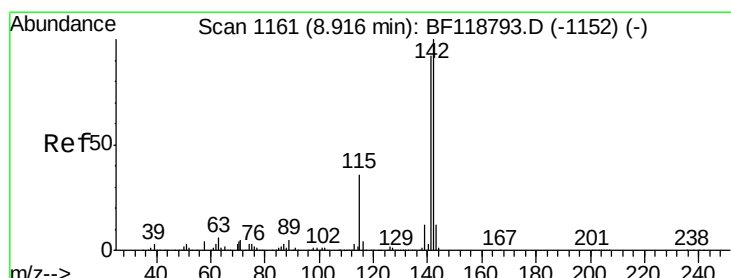
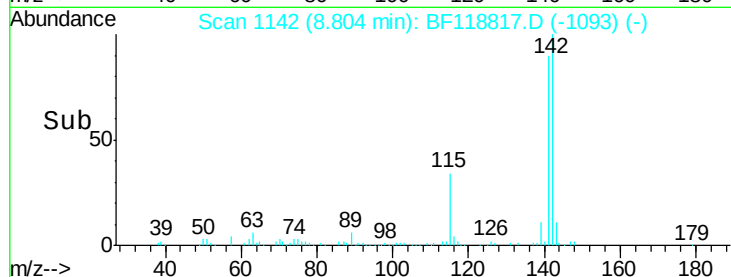
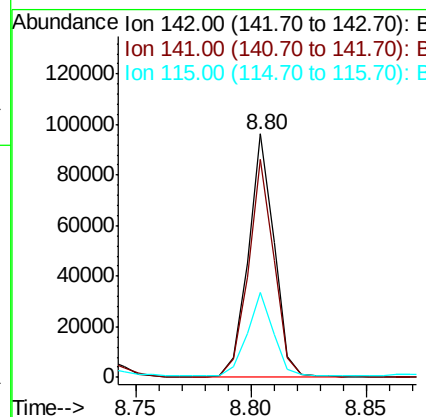
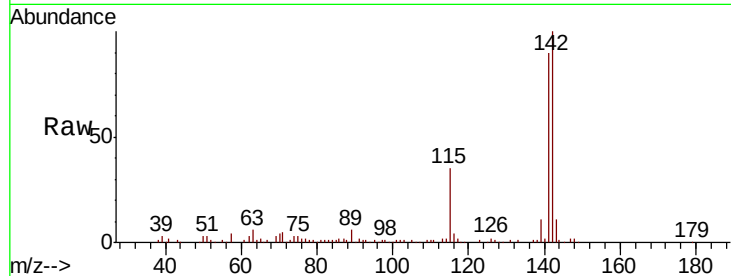
#37
 2-Methylnaphthalene
 Concen: 2.212 ng
 RT: 8.80 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: BF118817.D
 Acq: 4 Feb 2020 22:35

Instrument :
 BNA_F
 ClientSampleId :
 TP-C

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.1	105.1
115	34.9	27.3	40.9

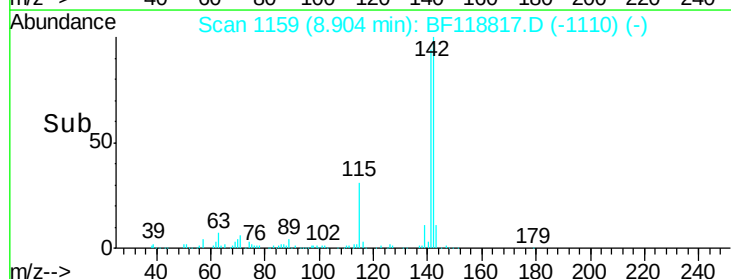
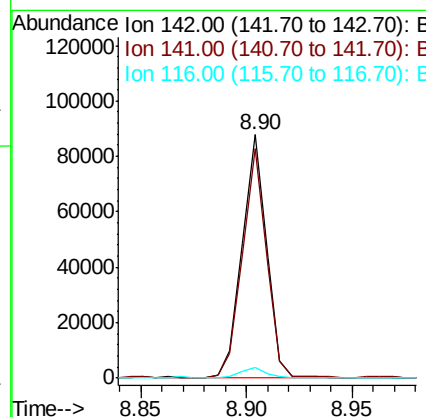
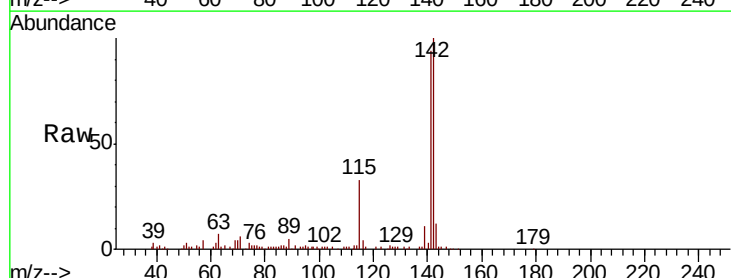
Manual Integrations
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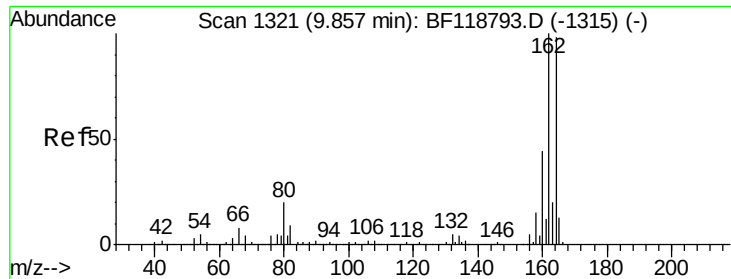
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#38
 1-Methylnaphthalene
 Concen: 2.186 ng
 RT: 8.90 min Scan# 1159
 Delta R.T. -0.01 min
 Lab File: BF118817.D
 Acq: 4 Feb 2020 22:35

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.4	73.8	110.6
116	4.4	3.0	4.4





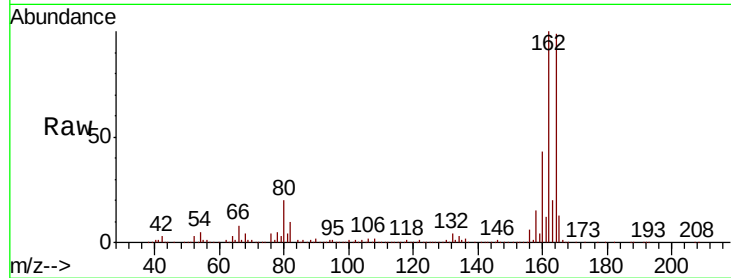
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Instrument :
BNA_F
ClientSampleId :
TP-C

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.9	81.4	122.2	
160	43.8	35.6	53.4	

Manual Integrations
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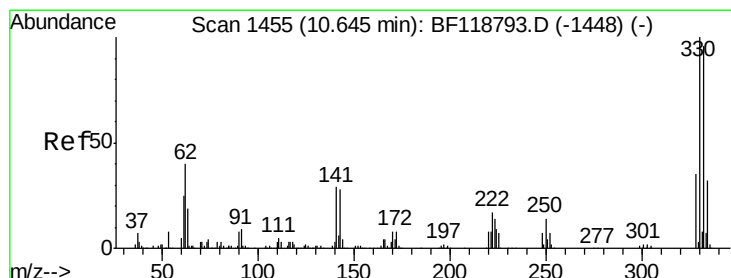
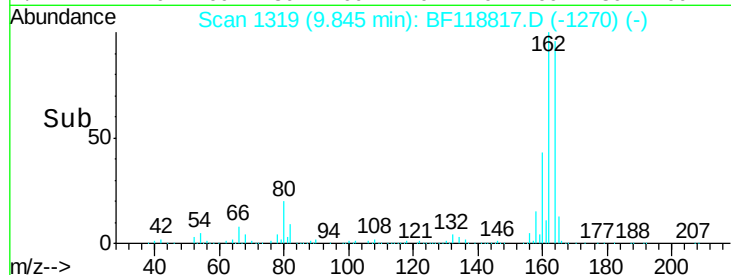
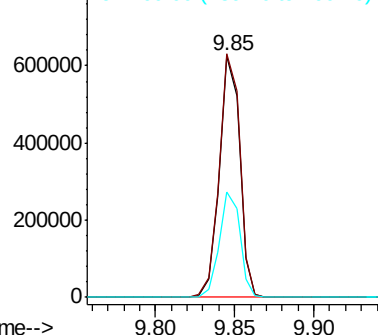


Abundance

Ion 164.00 (163.70 to 164.70): E

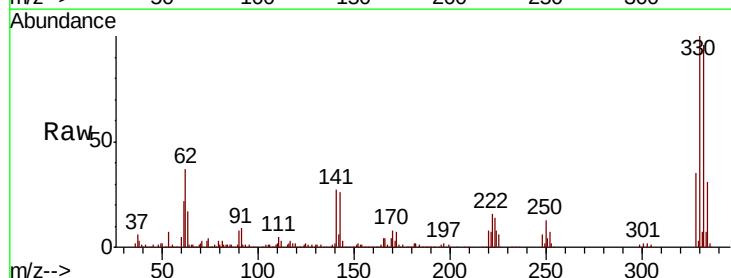
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 80.180 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	77.3	115.9	
141	27.7	22.4	33.6	

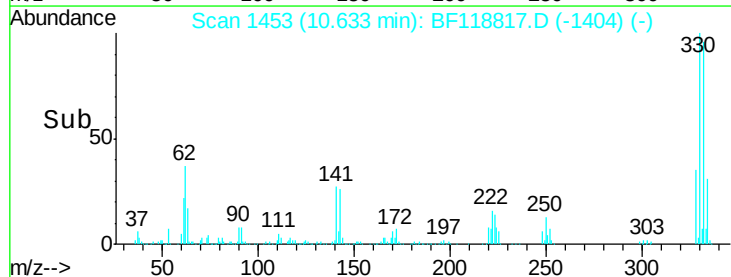
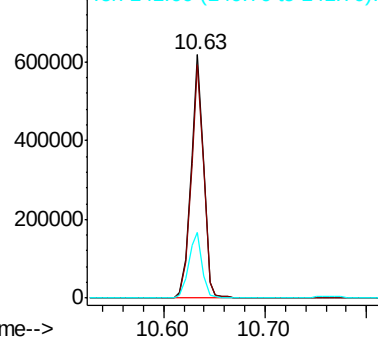


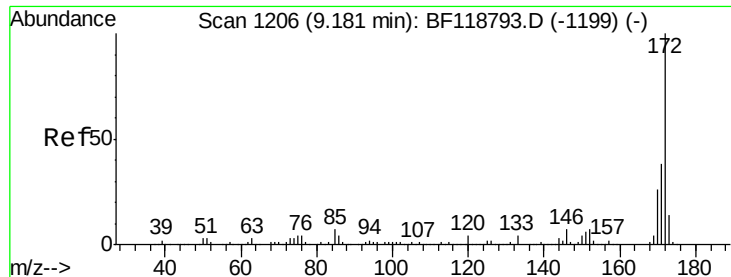
Abundance

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





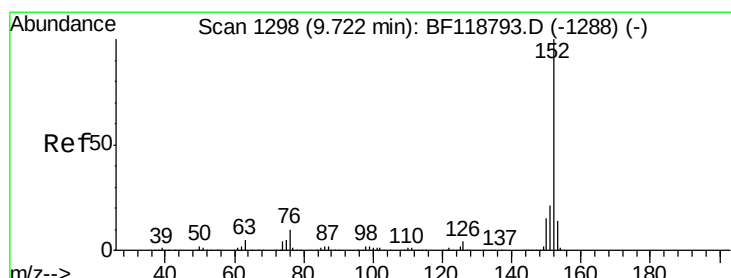
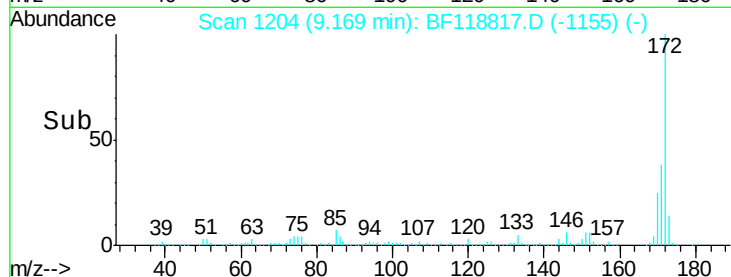
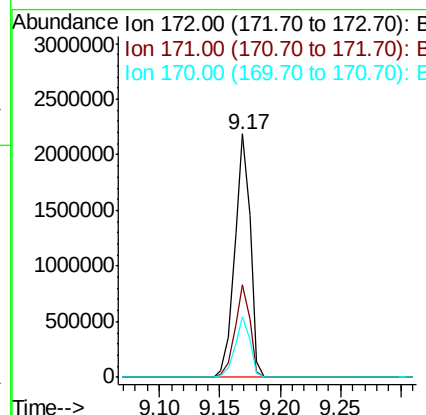
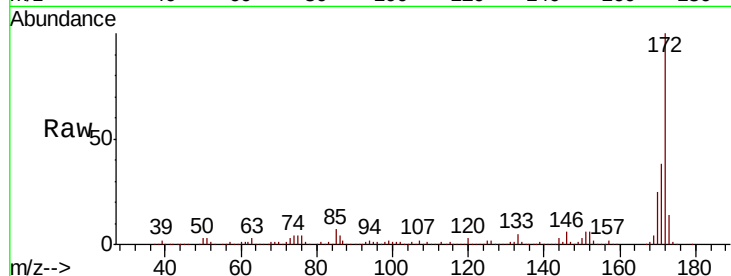
#45
2-Fluorobiphenyl
Concen: 62.722 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Instrument :
BNA_F
ClientSampled :
TP-C

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.8	46.2
170	24.9	20.5	30.7

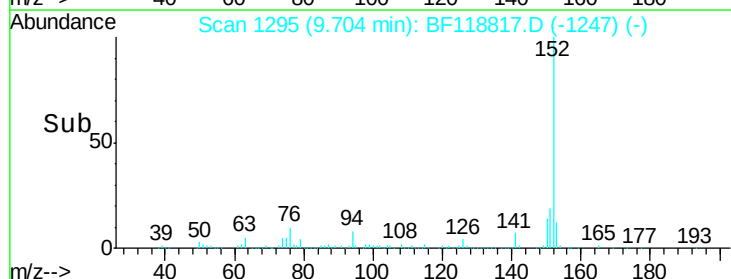
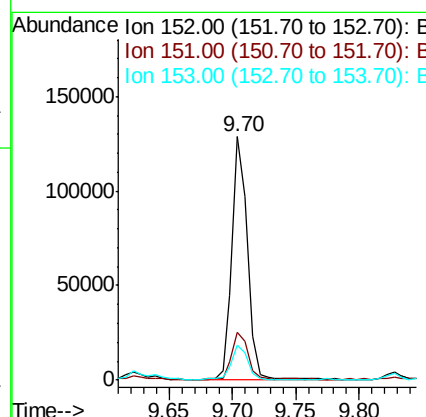
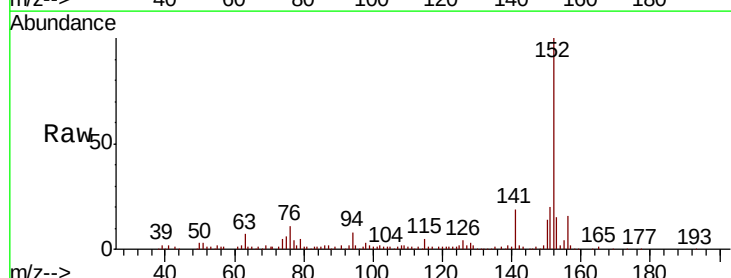
Manual Integrations
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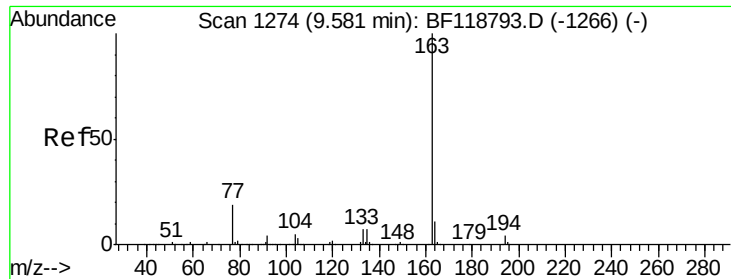
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#49
Acenaphthylene
Concen: 2.329 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	17.1	25.7
153	14.6	11.0	16.4





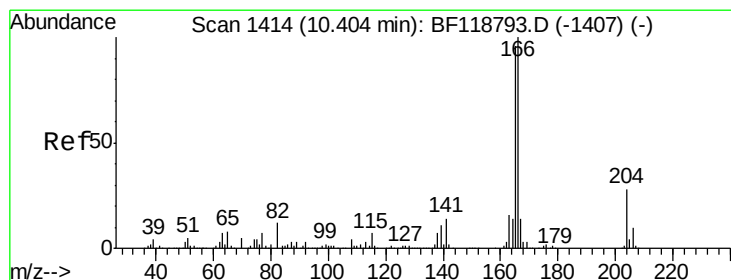
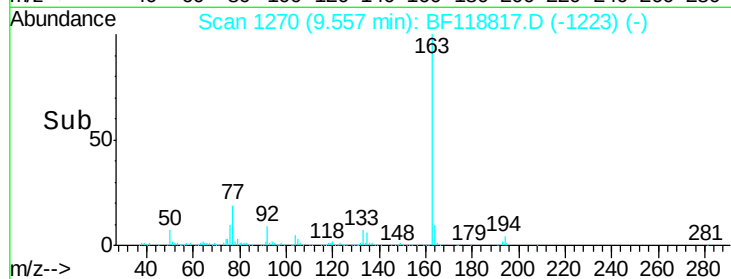
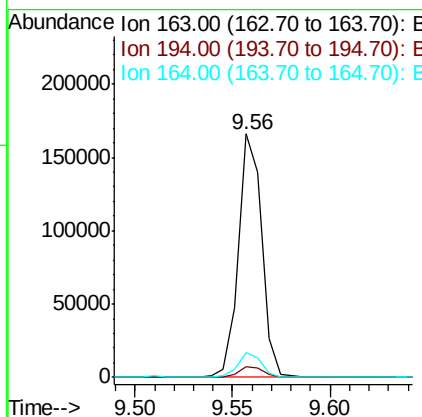
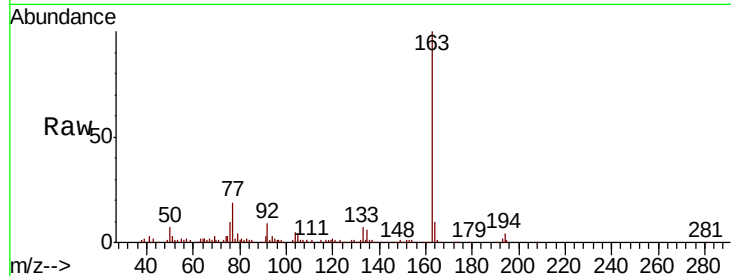
#50
Dimethylphthalate
Concen: 3.606 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Instrument :
BNA_F
ClientSampleId :
TP-C

Tot Ion	Ratio	Resp	Lower	Upper
163	100	136861		
194	4.3	3.6	5.4	
164	10.4	8.7	13.1	

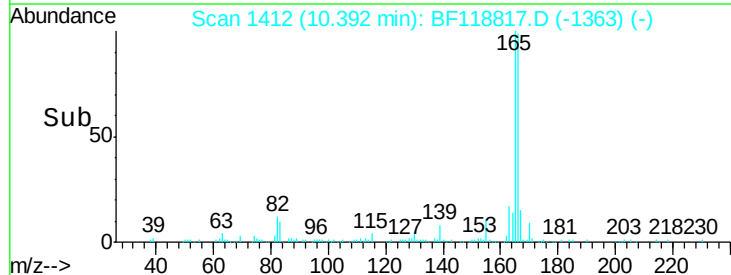
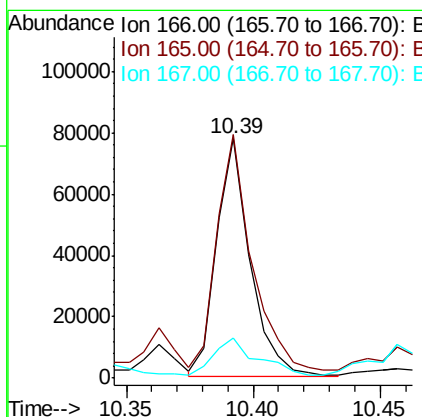
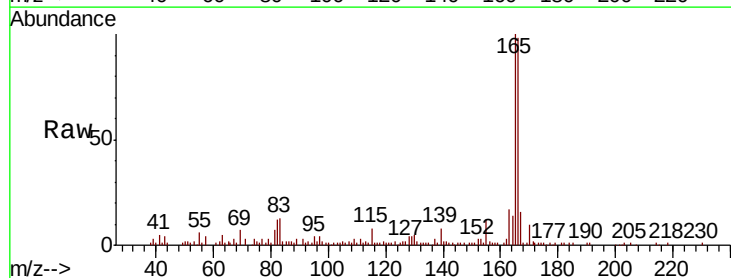
Manual Integrations
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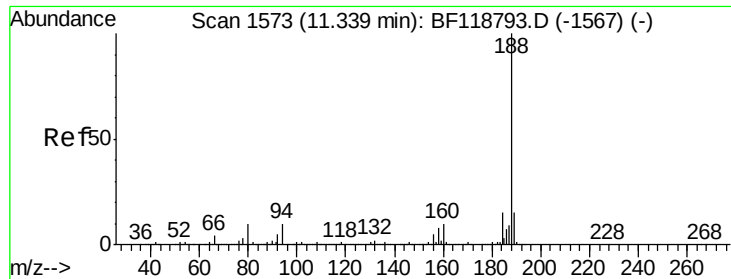
mohammad
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#58
Fluorene
Concen: 2.154 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	71402		
165	101.6	77.0	115.6	
167	16.6	11.1	16.7	





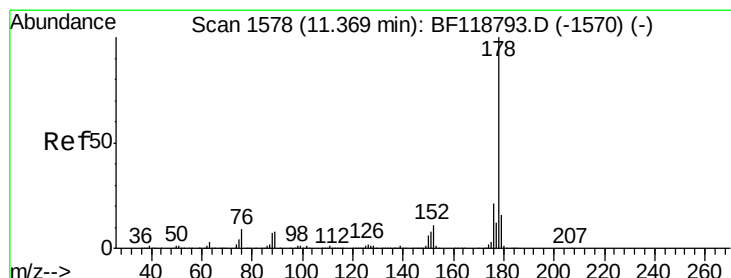
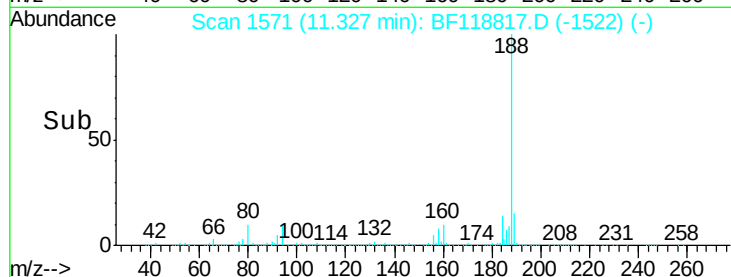
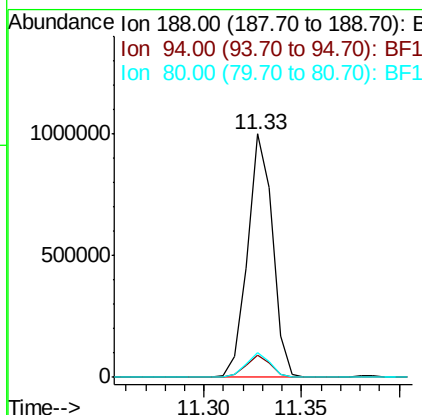
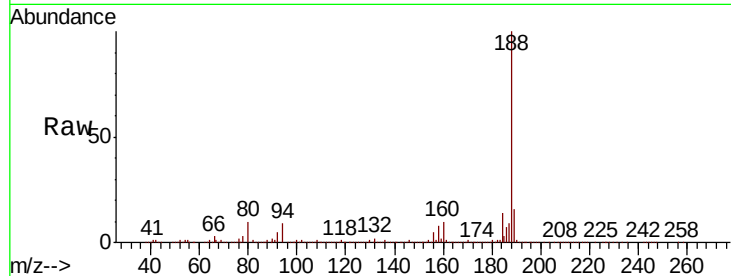
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Instrument :
BNA_F
ClientSampled :
TP-C

Tot Ion	Ratio	Resp	Lower	Upper
188	100	888054		
94	9.2		7.9	11.9
80	10.1		8.4	12.6

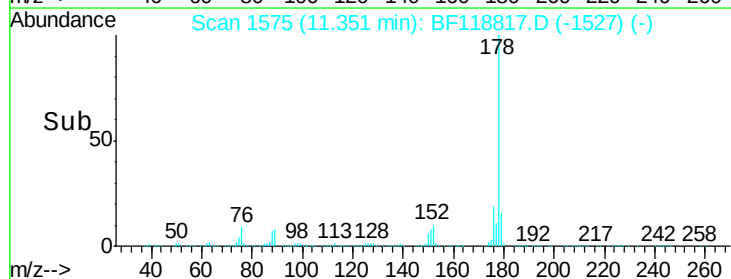
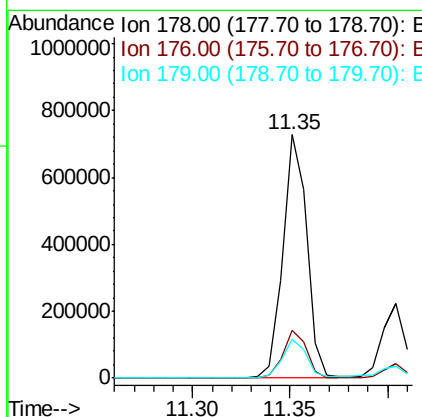
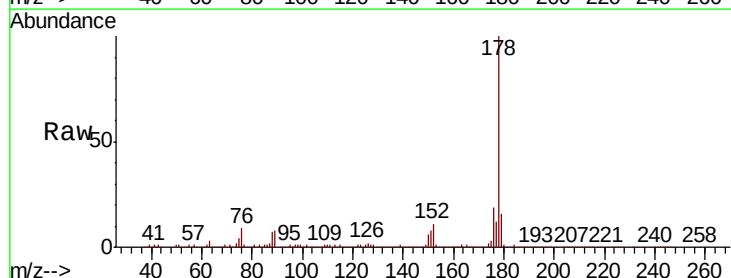
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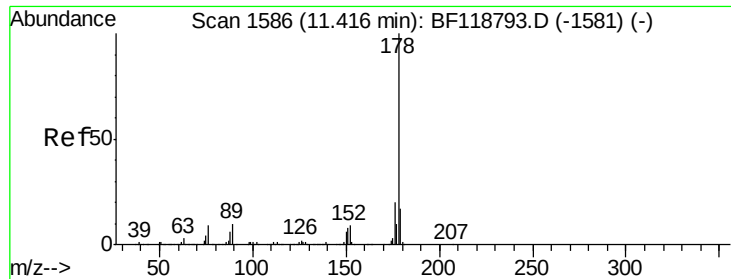
mohammad
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#71
Phenanthrene
Concen: 14.047 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	613780		
176	19.4		16.6	24.8
179	16.0		13.2	19.8





#72

Anthracene

Concen: 3.986 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF118817.D

Acq: 4 Feb 2020 22:35

Instrument :

BNA_F

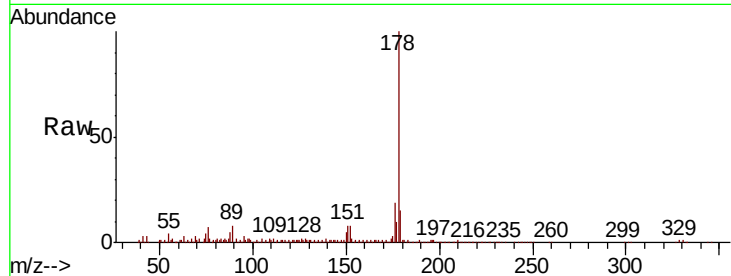
ClientSampled :

TP-C

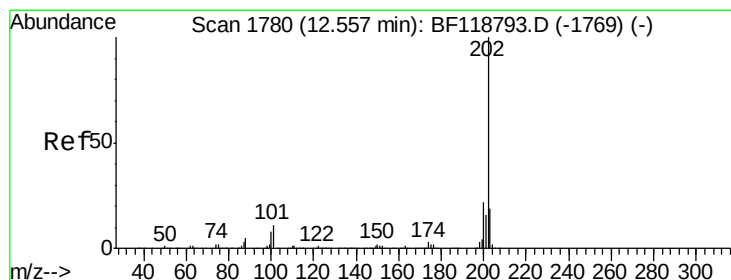
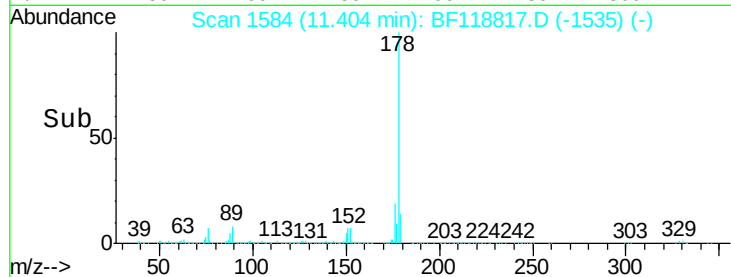
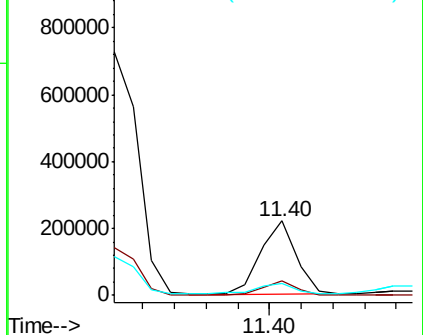
Tot Ion:	178	Resp:	173267
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.2	24.2
179	15.2	13.4	20.2

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



#75

Fluoranthene

Concen: 10.583 ng

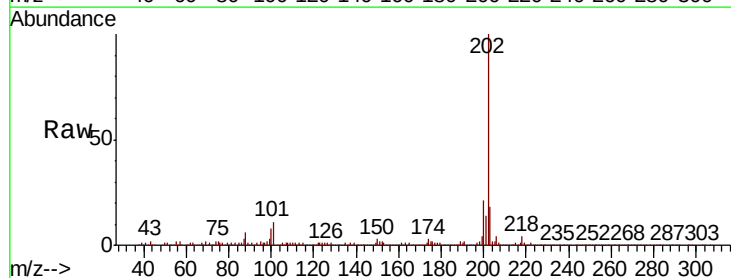
RT: 12.54 min Scan# 1777

Delta R.T. -0.02 min

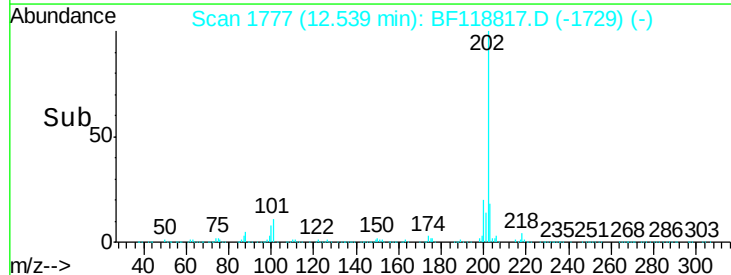
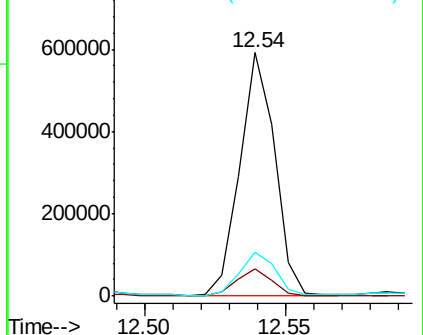
Lab File: BF118817.D

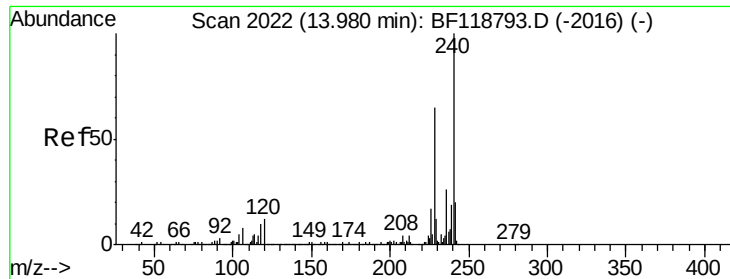
Acq: 4 Feb 2020 22:35

Tgt Ion:	202	Resp:	504884
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	31.0
203	18.2	0.0	38.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





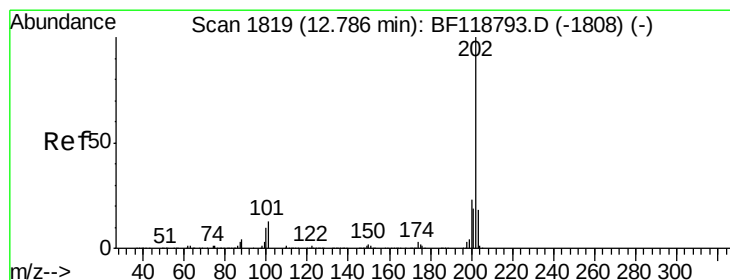
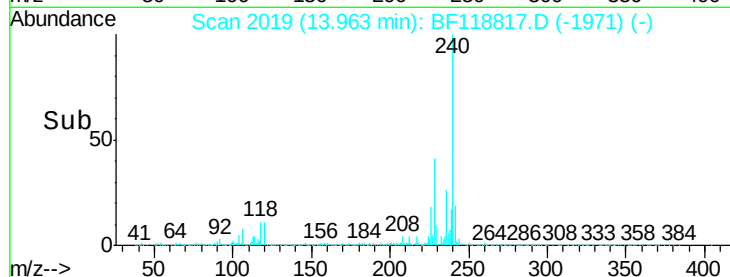
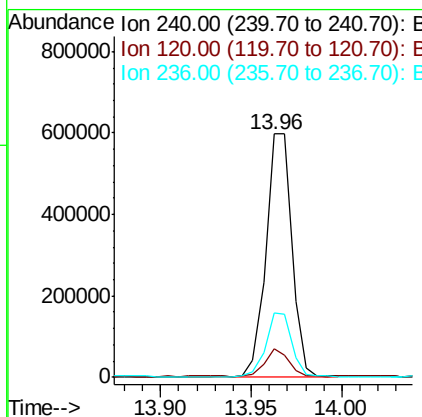
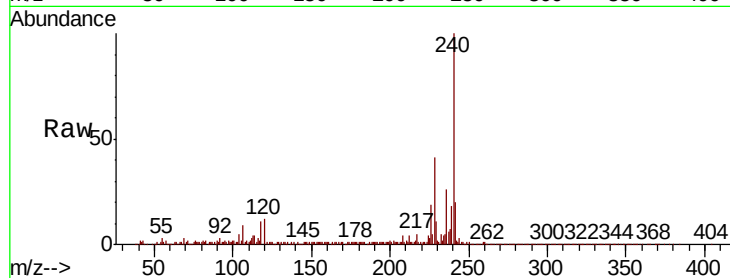
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Instrument :
BNA_F
ClientSampleId :
TP-C

Tot Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	11.7	9.4	14.0
236	26.2	21.0	31.6

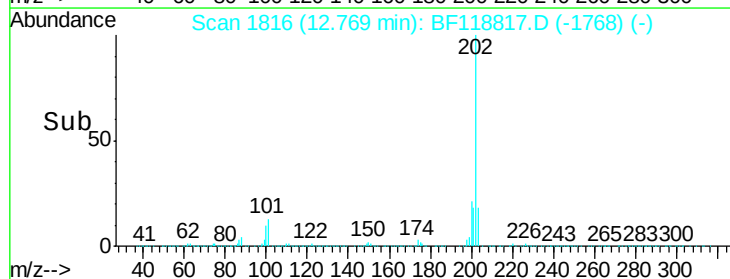
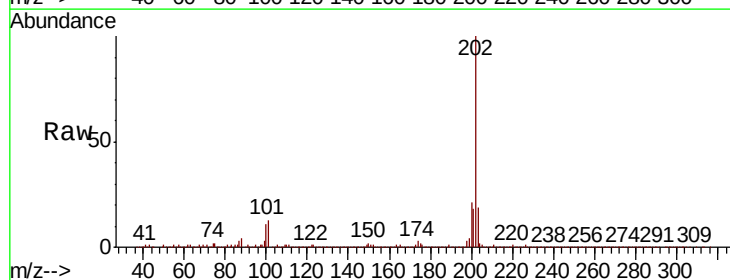
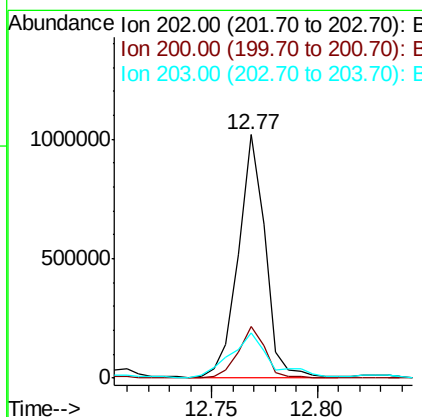
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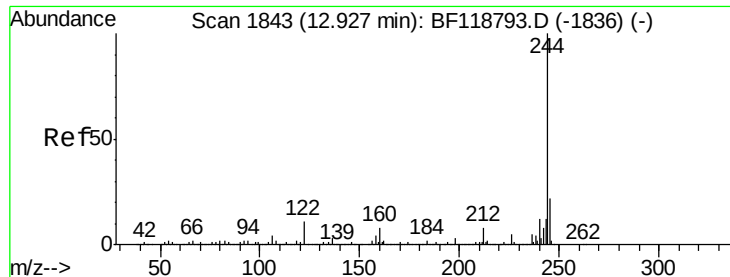
mohammad
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#78
Pyrene
Concen: 21.802 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.1	18.2	27.2
203	18.8	14.8	22.2





#79

Terphenyl-d14

Concen: 57.112 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF118817.D

Acq: 4 Feb 2020 22:35

Instrument :

BNA_F

ClientSampleId :

TP-C

Tot Ion:244 Resp: 1651076

Ion Ratio Lower Upper

244 100

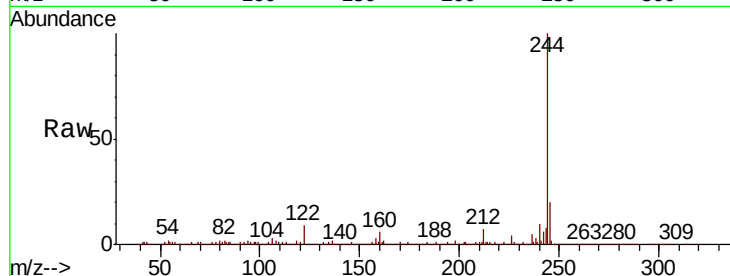
212 6.7 6.5 9.7

122 9.3 8.9 13.3

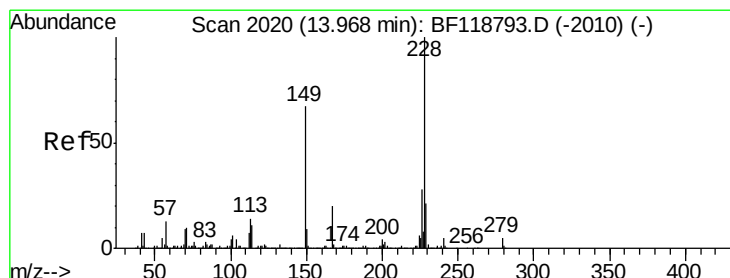
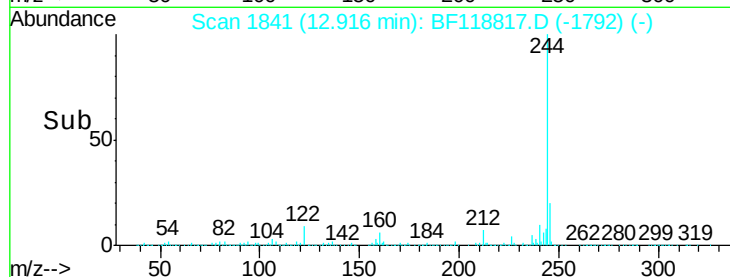
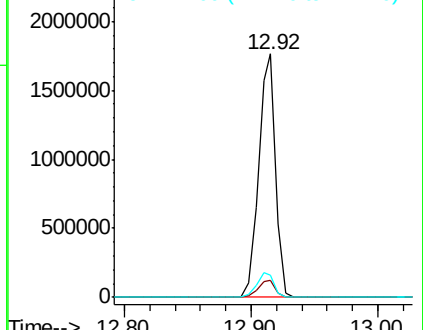
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 14.511 ng m

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF118817.D

Acq: 4 Feb 2020 22:35

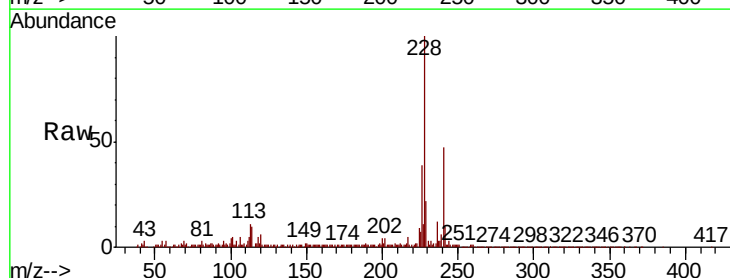
Tgt Ion:228 Resp: 512757

Ion Ratio Lower Upper

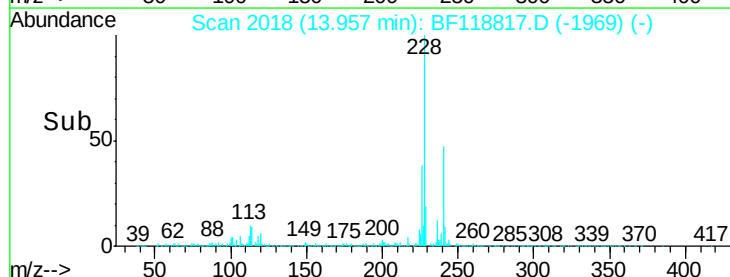
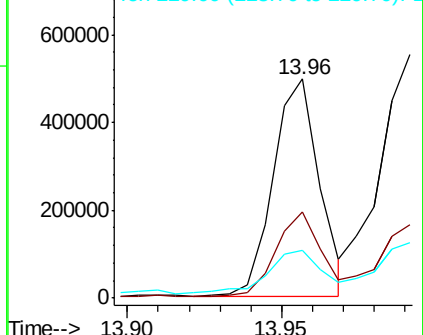
228 100

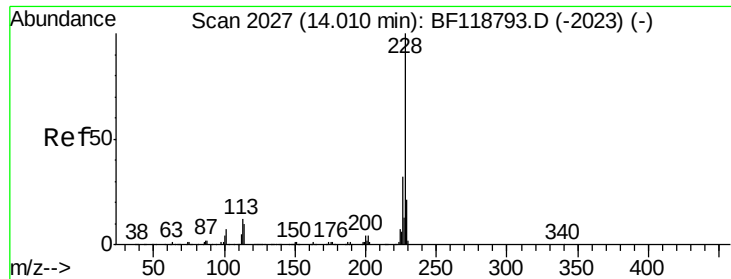
226 39.2 22.7 34.1#

229 21.9 16.6 25.0



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





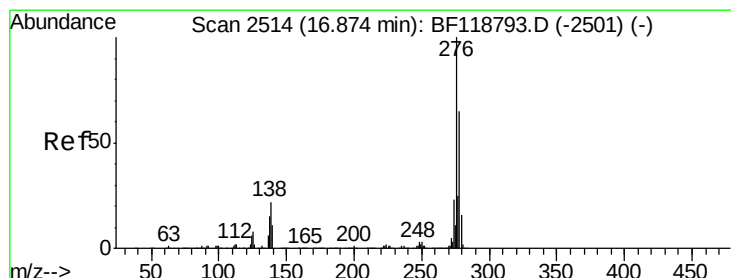
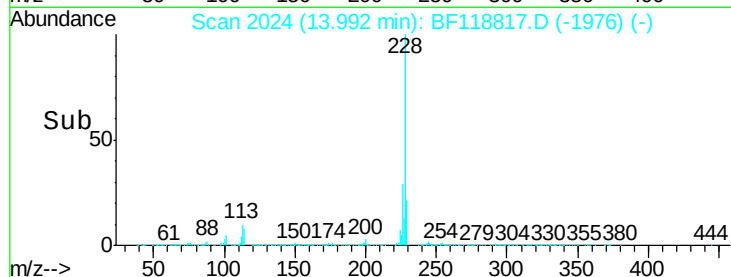
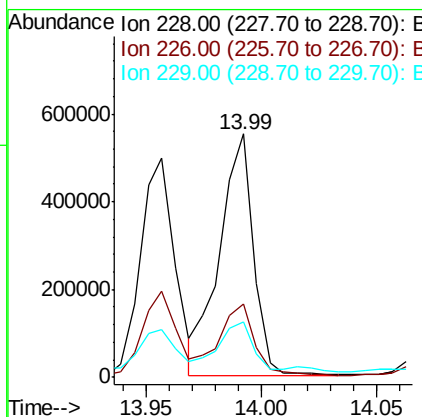
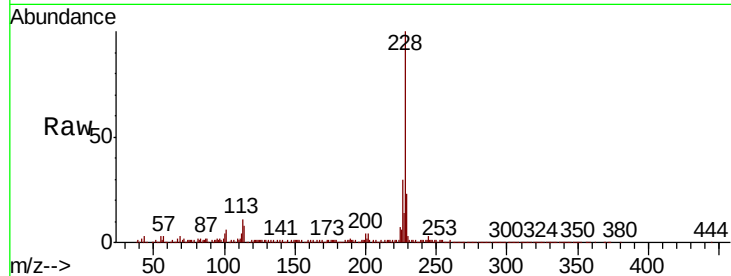
#83
Chrysene
Concen: 15.797 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Instrument :
BNA_F
ClientSampleId :
TP-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.0
229	22.6	16.9	25.3

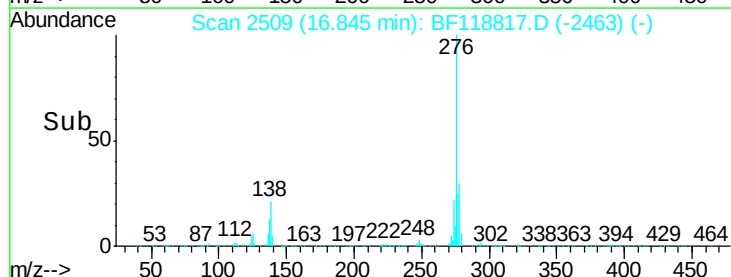
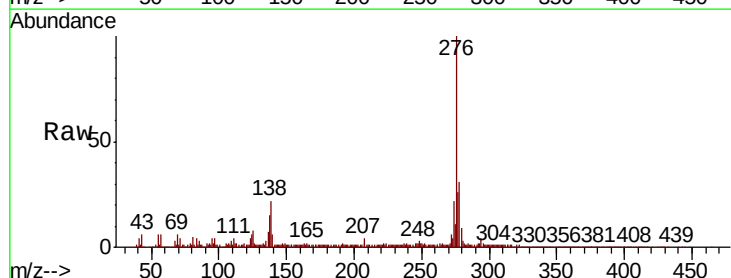
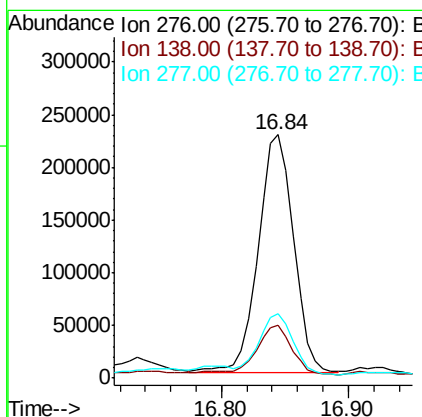
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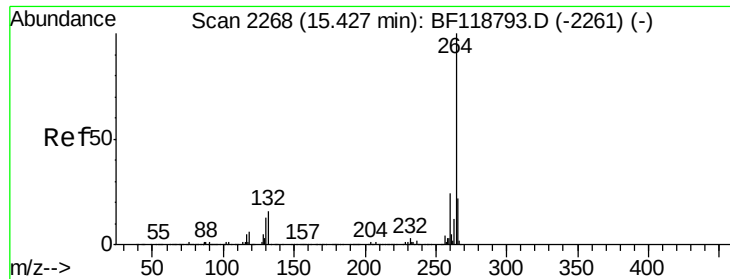
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 12.306 ng
RT: 16.84 min Scan# 2509
Delta R.T. -0.03 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.1	18.3	27.5
277	24.6	20.2	30.4





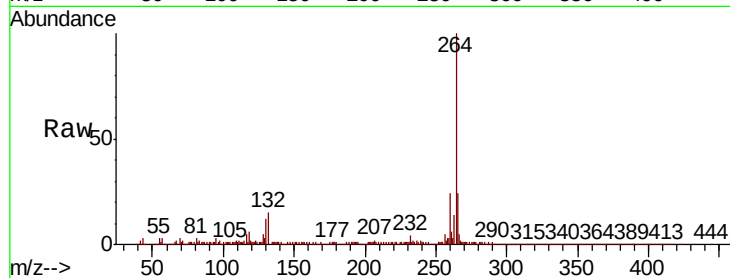
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Instrument :
BNA_F
ClientSampleId :
TP-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.1	28.7
265	23.7	17.2	25.8

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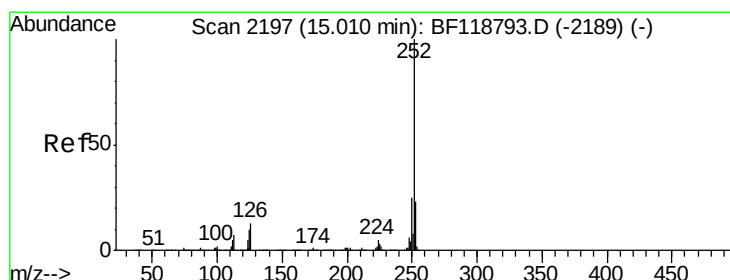
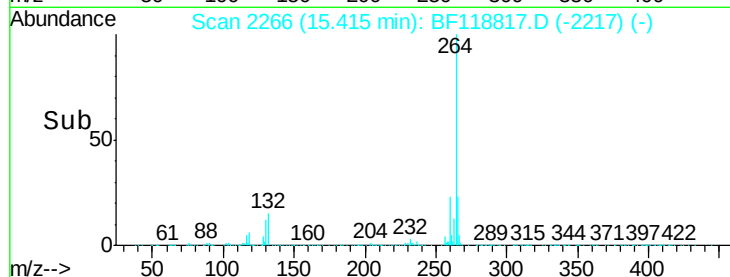
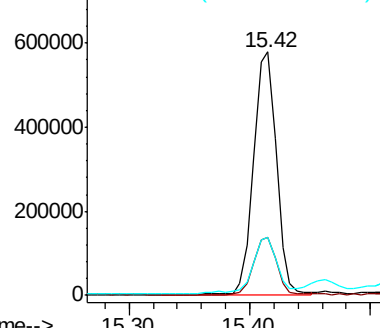


Abundance

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: 13.391 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

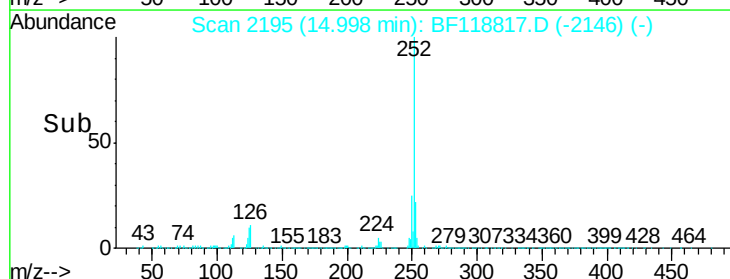
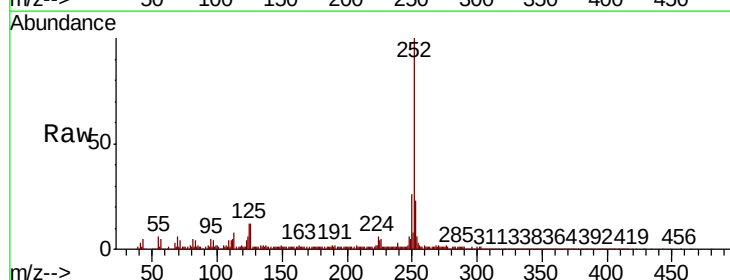
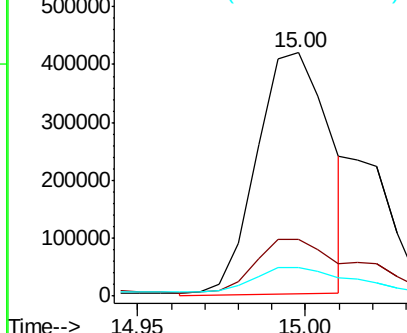
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	11.7	8.1	12.1

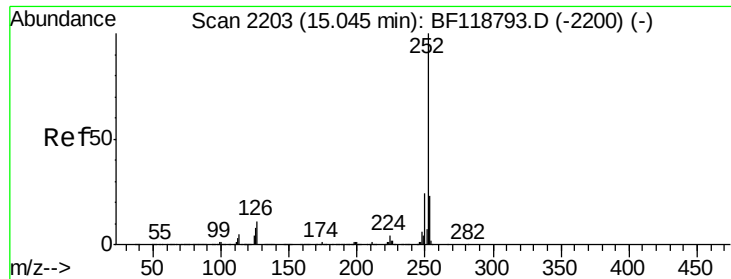
Abundance

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





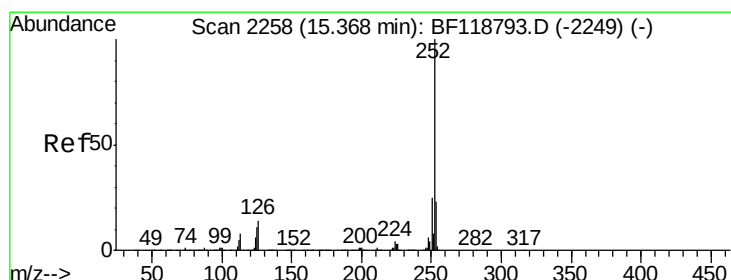
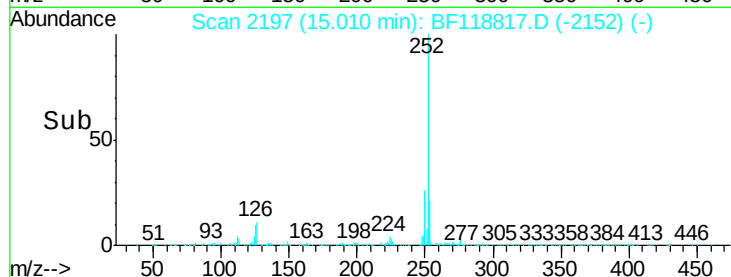
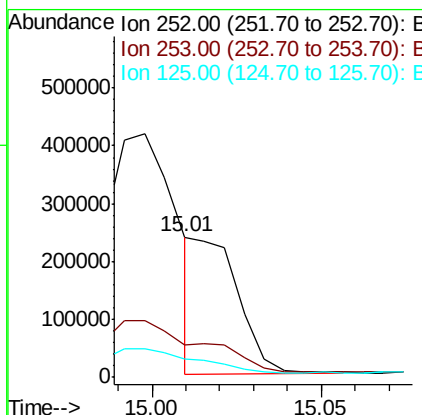
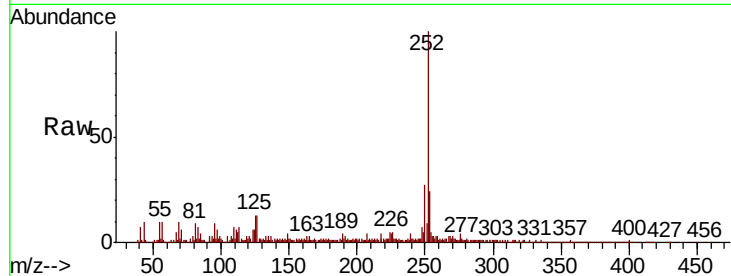
#89
Benzo(k)fluoranthene
Concen: 5.144 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Instrument :
BNA_F
ClientSampleId :
TP-C

Tot Ion	Ratio	Resp	Lower	Upper
252	100	209511		
253	23.6	18.2	27.4	
125	13.4	7.0	10.6	

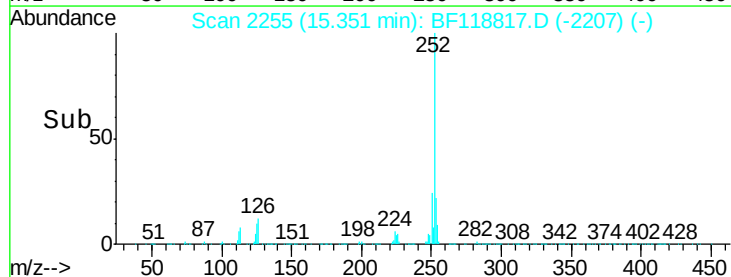
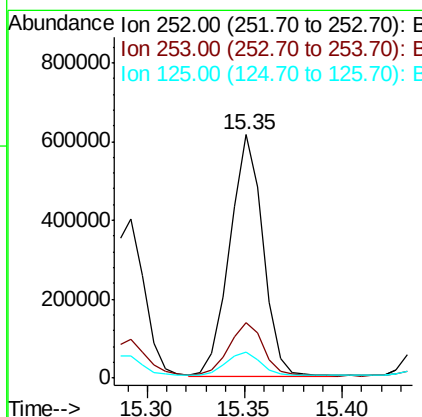
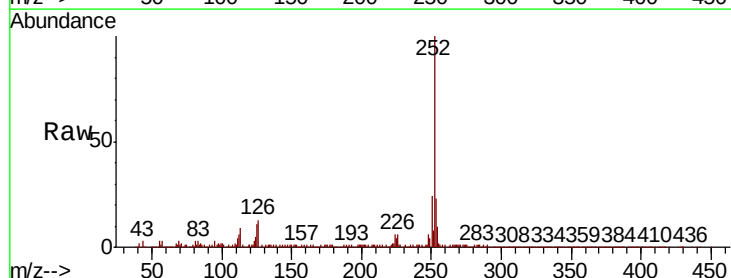
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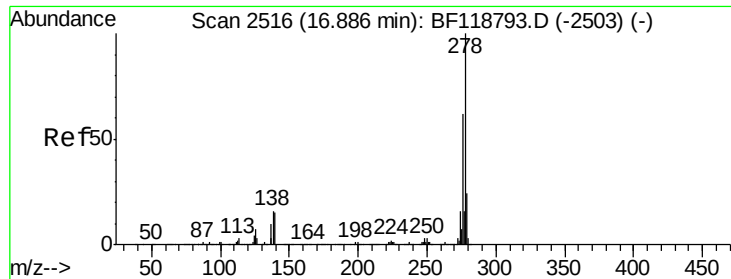
mohammad
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#90
Benzo(a)pyrene
Concen: 18.014 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.02 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	721062		
253	22.8	18.1	27.1	
125	10.8	8.7	13.1	





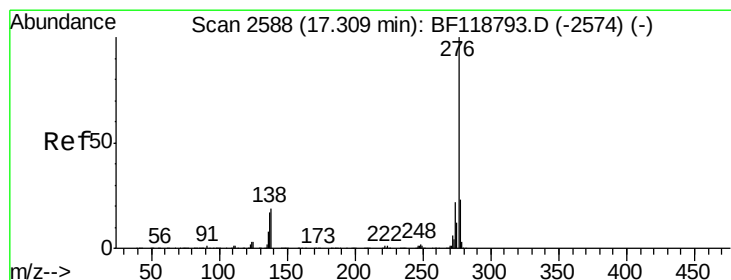
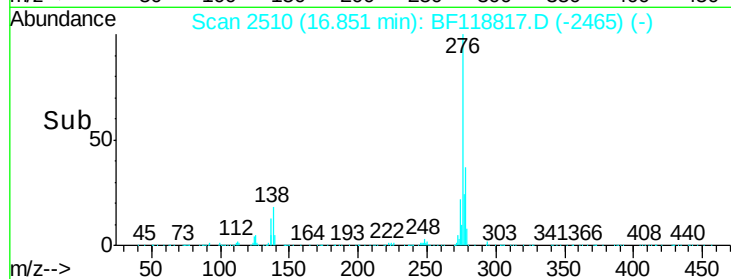
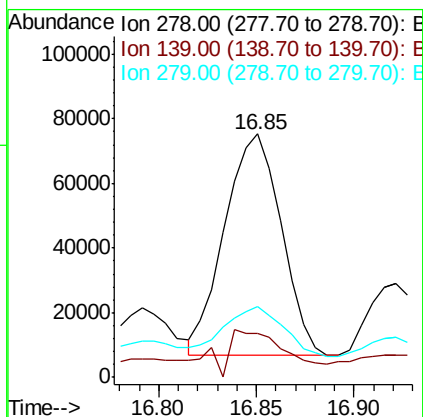
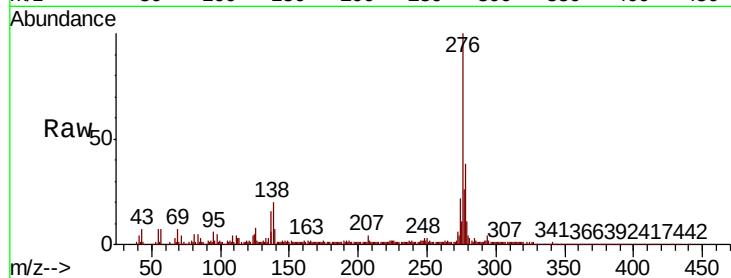
#91
Dibenzo(a,h)anthracene
Concen: 3.889 ng
RT: 16.85 min Scan# 2510
Delta R.T. -0.04 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Instrument :
BNA_F
ClientSampleId :
TP-C

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.9	12.3	18.5
279	29.2	19.1	28.7

Manual Integrations
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2/6/2020 2:17:22 PM



#92
Benzo(g,h,i)perylene
Concen: 14.696 ng
RT: 17.28 min Scan# 2583
Delta R.T. -0.03 min
Lab File: BF118817.D
Acq: 4 Feb 2020 22:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.7	28.1
138	19.7	15.4	23.2

