

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041020\
 Data File : BF119909.D
 Acq On : 10 Apr 2020 21:48
 Operator : MA/SJ
 Sample : L2199-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-37-36-COMP

Manual Integrations
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Quant Time: Apr 11 04:00:23 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 10 13:48:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	174180	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	615848	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	267785	20.00	ng	0.00
64) Phenanthrene-d10	11.28	188	449019	20.00	ng	0.00
76) Chrysene-d12	13.93	240	346675	20.00	ng	0.00
87) Perylene-d12	15.36	264	280869	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	904504	89.74	ng	0.00
7) Phenol-d6	6.39	99	1152108	88.71	ng	0.00
23) Nitrobenzene-d5	7.32	82	677561	56.92	ng	0.00
42) 2,4,6-Tribromophenol	10.59	330	230499	70.30	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	1171276	62.10	ng	0.00
79) Terphenyl-d14	12.87	244	1070604	51.96	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.06	128	67087	2.070	ng	98
37) 2-Methylnaphthalene	8.75	142	78540	3.575	ng	98
38) 1-Methylnaphthalene	8.85	142	74346	3.591	ng	99
49) Acenaphthylene	9.66	152	59050	2.230	ng	# 93
50) Dimethylphthalate	9.51	163	181064	8.742	ng	100
52) Acenaphthene	9.83	154	76018	4.304	ng	97
71) Phenanthrene	11.31	178	925245	38.718	ng	99
72) Anthracene	11.36	178	331630	13.584	ng	97
75) Fluoranthene	12.50	202	517557	20.072	ng	97
78) Pyrene	12.73	202	862097	29.498	ng	99
81) Benzo(a)anthracene	13.92	228	337040	14.778	ng	96
83) Chrysene	13.95	228	311096	13.425	ng	98
86) Indeno(1,2,3-cd)pyrene	16.77	276	125676	6.152	ng	98
88) Benzo(b)fluoranthene	14.95	252	283576m	14.035	ng	
89) Benzo(k)fluoranthene	14.97	252	78853m	4.523	ng	
90) Benzo(a)pyrene	15.30	252	279392	16.446	ng	# 94
91) Dibenzo(a,h)anthracene	16.77	278	36558	2.429	ng	# 80
92) Benzo(g,h,i)perylene	17.20	276	152683	10.279	ng	97

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

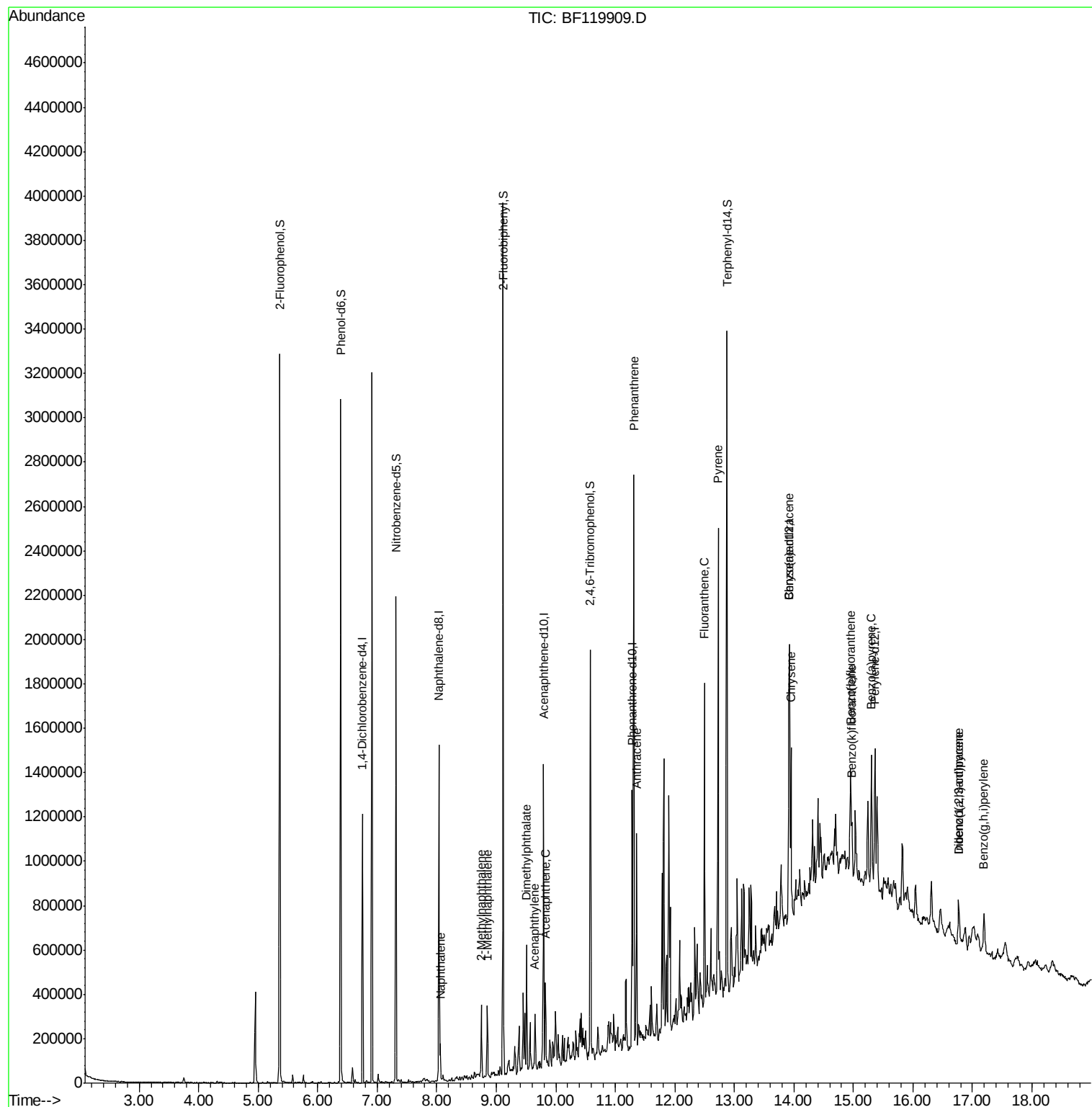
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041020\
Data File : BF119909.D
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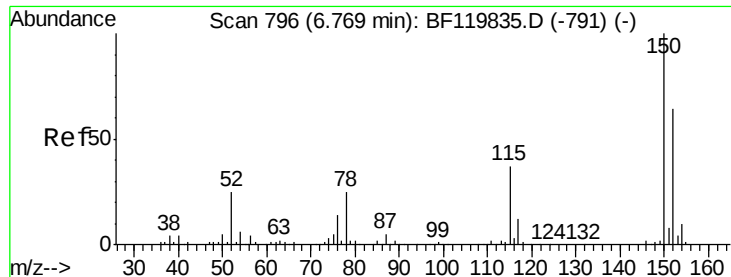
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

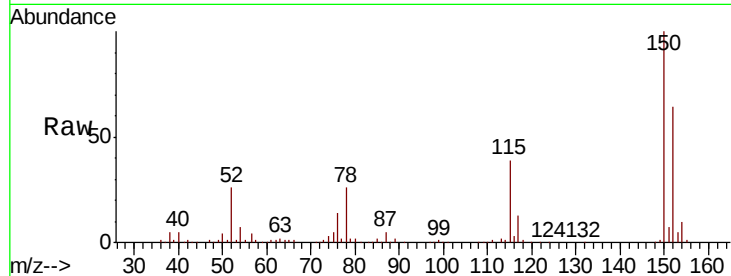
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF119909.D
Acq: 10 Apr 2020 21:48

Instrument :
BNA_F
ClientSampleId :
TP-37-36-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.8	187.2
115	60.6	46.5	69.7

Manual Integrations
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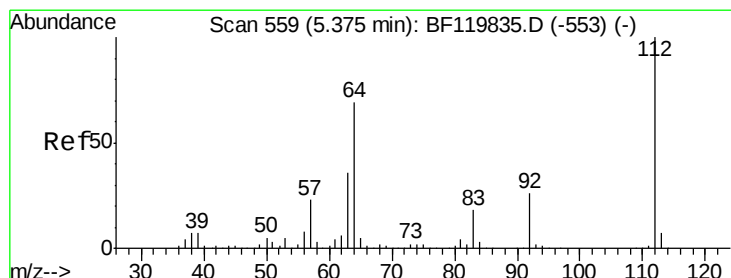
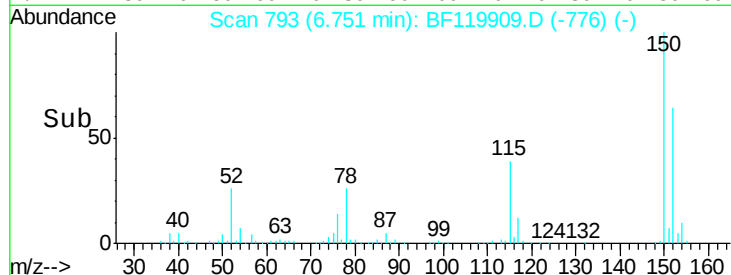
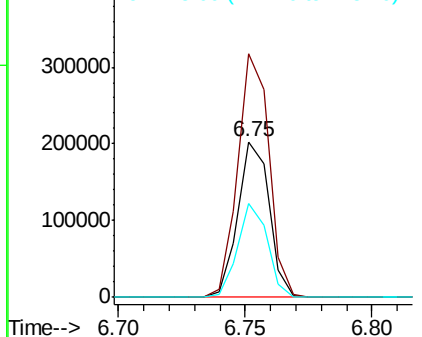


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

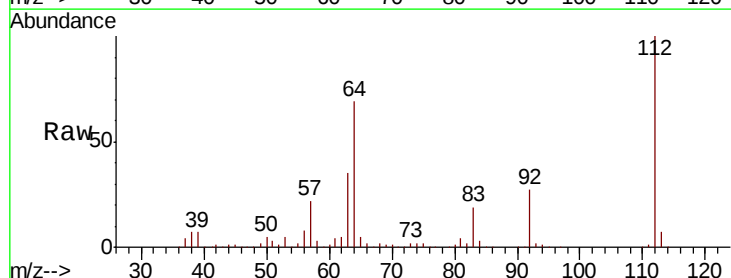
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.743 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF119909.D
Acq: 10 Apr 2020 21:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	55.5	83.3
63	35.3	29.1	43.7

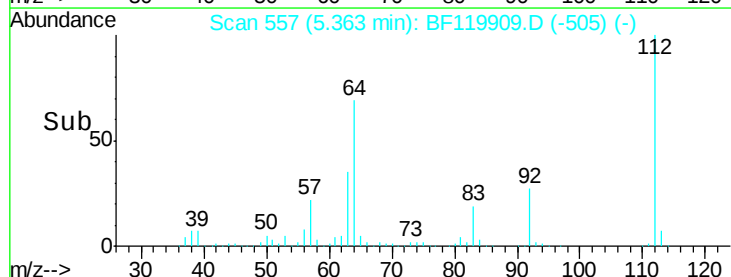
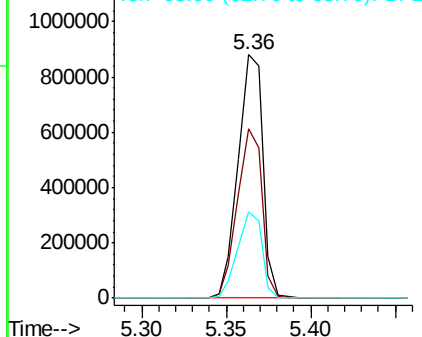


Abundance

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: 88.712 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF119909.D

Acq: 10 Apr 2020 21:48

Instrument :

BNA_F

ClientSampled :

TP-37-36-COMP

Tot Ion: 99 Resp: 1152108

Ion Ratio Lower Upper

99 100

42 20.1 16.9 25.3

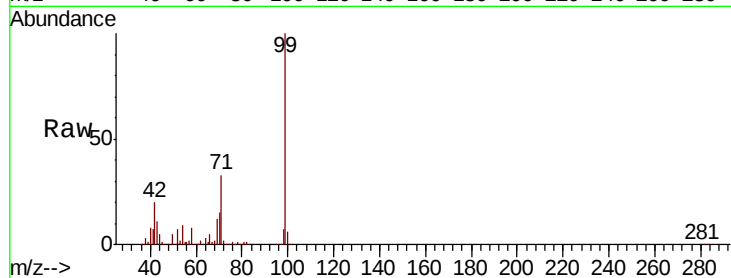
71 33.2 26.3 39.5

Manual Integrations

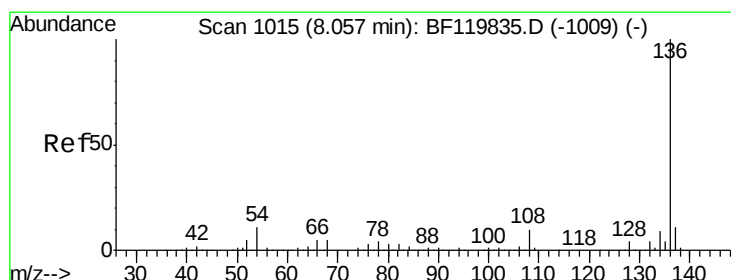
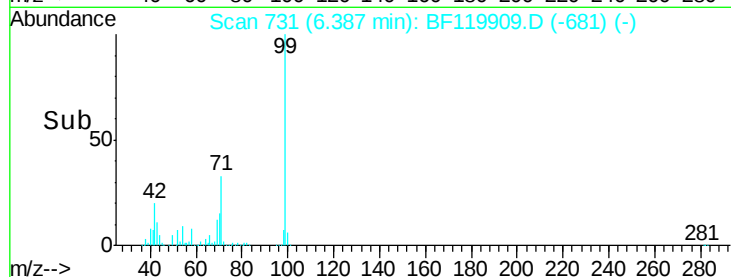
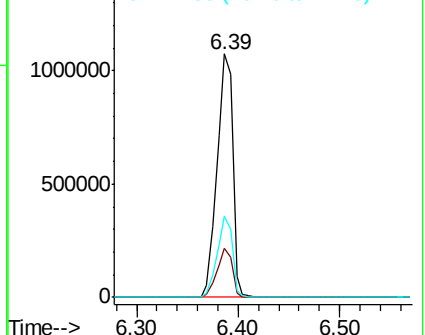
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.04 min Scan# 1012

Delta R.T. 0.00 min

Lab File: BF119909.D

Acq: 10 Apr 2020 21:48

Tgt Ion: 136 Resp: 615848

Ion Ratio Lower Upper

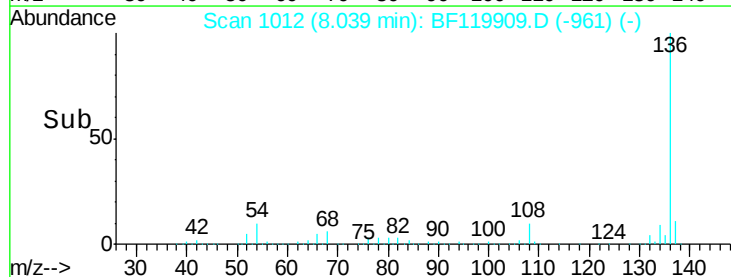
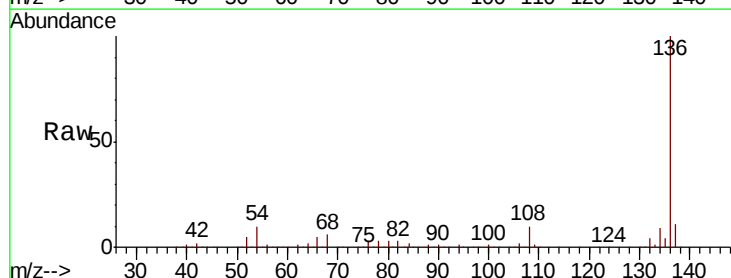
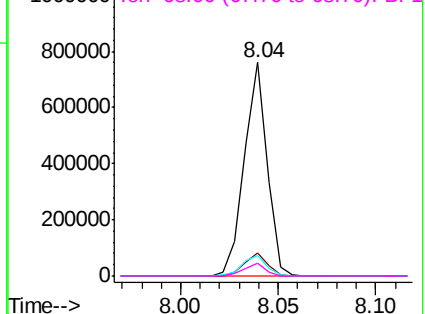
136 100

137 10.6 8.7 13.1

54 9.9 8.5 12.7

68 5.7 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





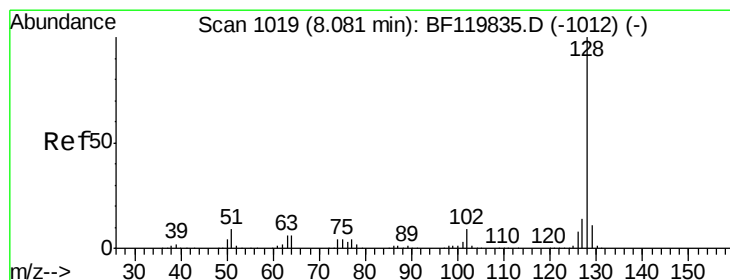
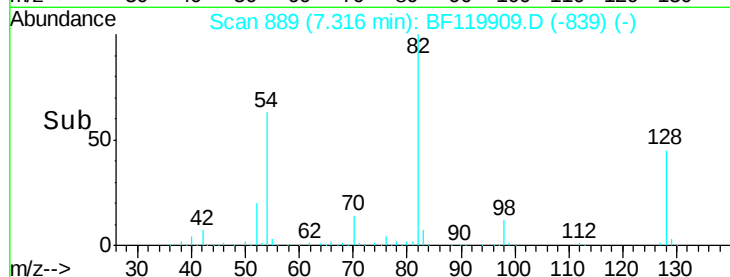
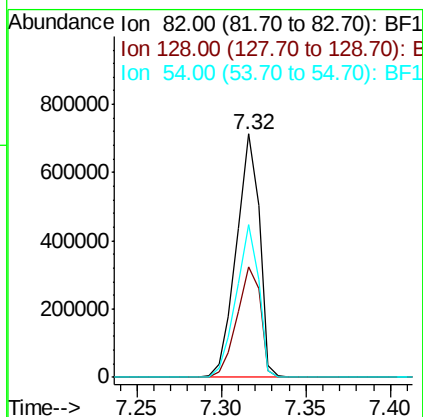
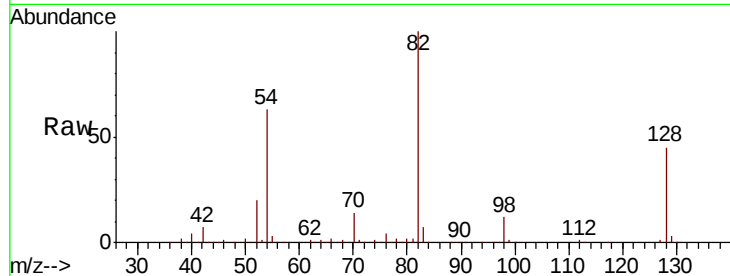
#23
 Nitrobenzene-d5
 Concen: 56.918 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BF119909.D
 Acq: 10 Apr 2020 21:48

Instrument :
 BNA_F
 ClientSampleId :
 TP-37-36-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.2	54.4
54	62.8	50.4	75.6

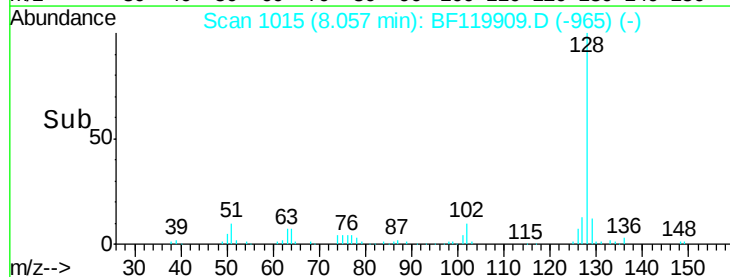
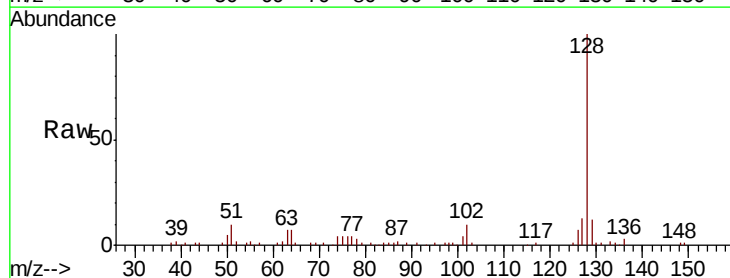
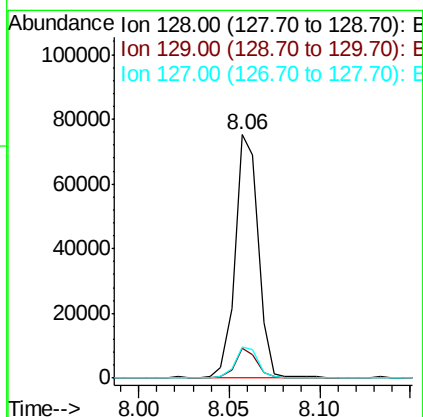
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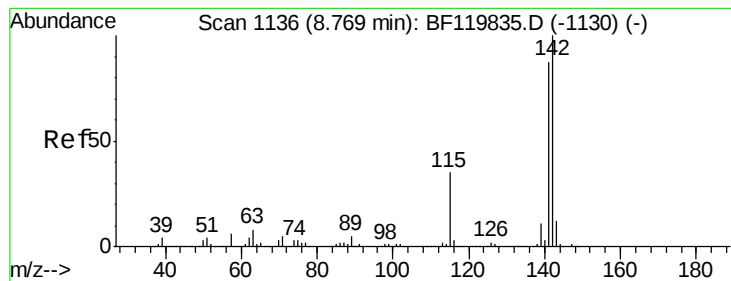
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#31
 Naphthalene
 Concen: 2.070 ng
 RT: 8.06 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: BF119909.D
 Acq: 10 Apr 2020 21:48

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.0	13.6
127	12.9	11.0	16.4





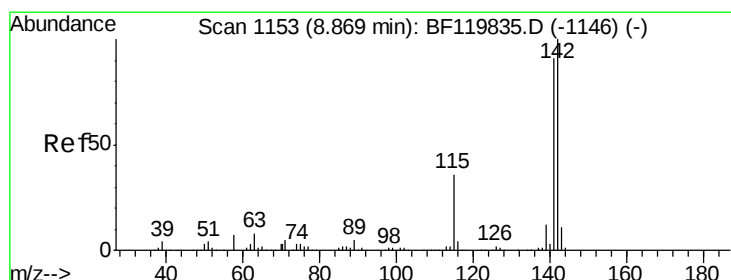
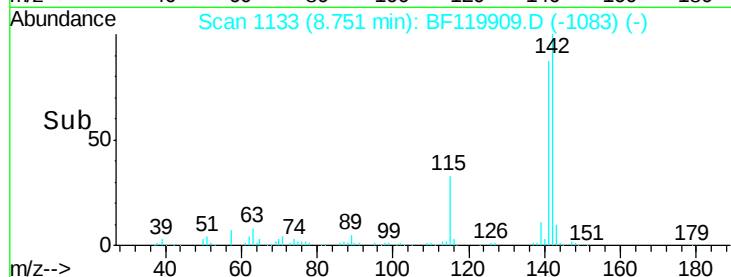
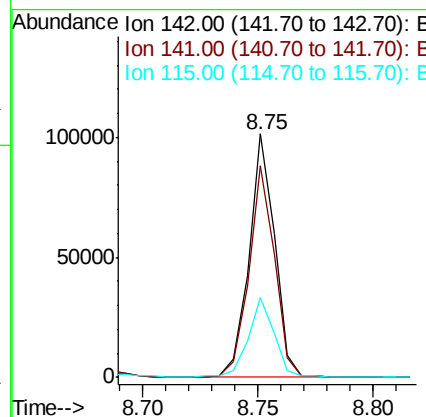
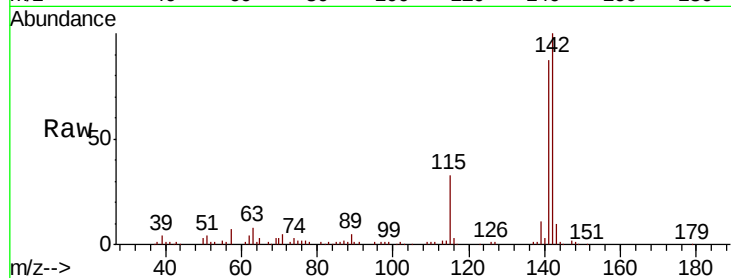
#37
 2-Methylnaphthalene
 Concen: 3.575 ng
 RT: 8.75 min Scan# 1133
 Delta R.T. -0.01 min
 Lab File: BF119909.D
 Acq: 10 Apr 2020 21:48

Instrument :
 BNA_F
 ClientSampleId :
 TP-37-36-COMP

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.0	69.9	104.9
115	32.6	28.0	42.0

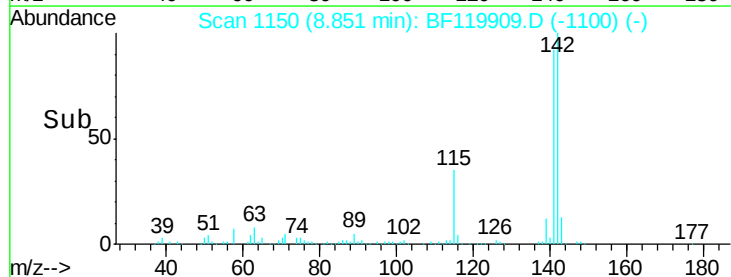
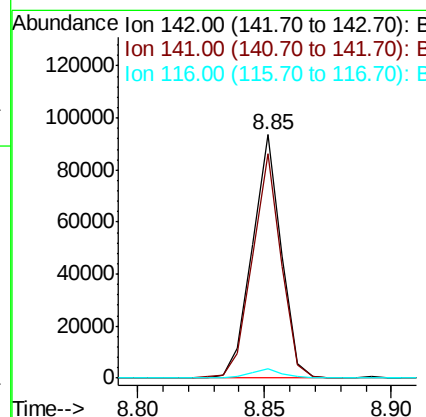
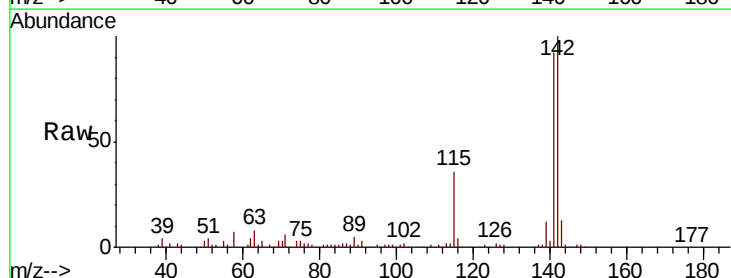
Manual Integrations
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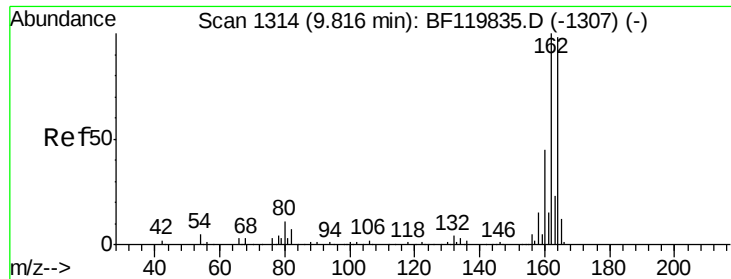
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#38
 1-Methylnaphthalene
 Concen: 3.591 ng
 RT: 8.85 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BF119909.D
 Acq: 10 Apr 2020 21:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	72.9	109.3
116	3.9	3.0	4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF119909.D

Acq: 10 Apr 2020 21:48

Instrument :

BNA_F

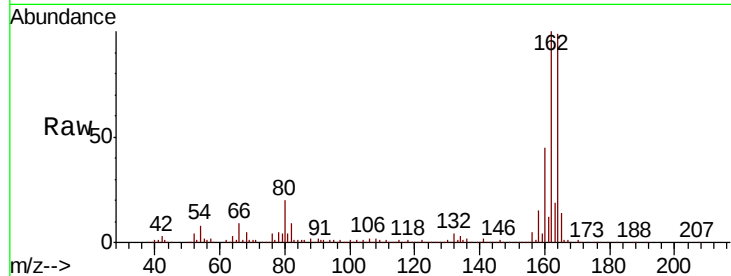
ClientSampleId :

TP-37-36-COMP

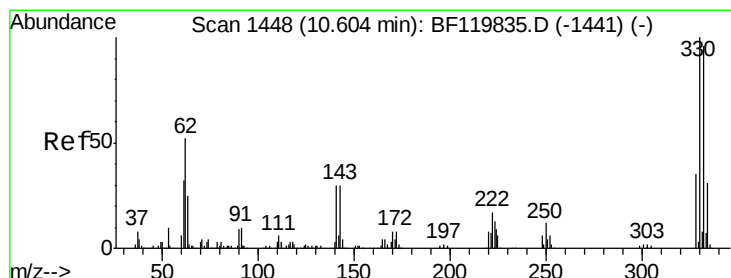
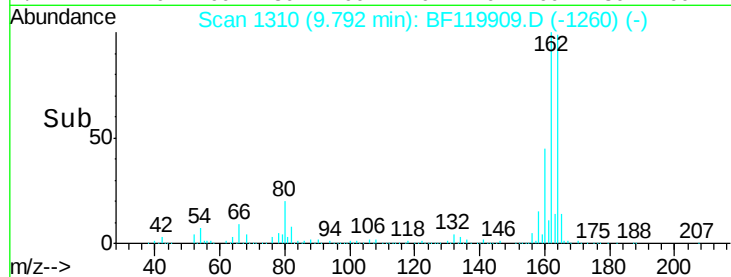
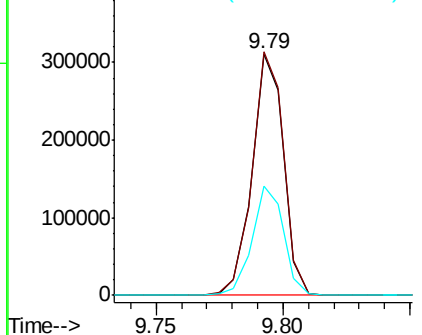
Tot Ion:	164	Resp:	267785
Ion Ratio	Lower	Upper	
164	100		
162	101.0	81.9	122.9
160	45.3	36.6	54.8

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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: 70.304 ng

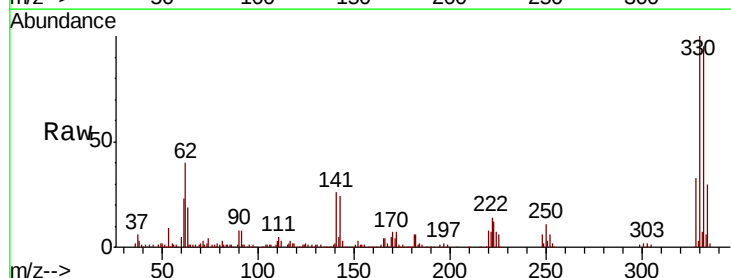
RT: 10.59 min Scan# 1445

Delta R.T. 0.00 min

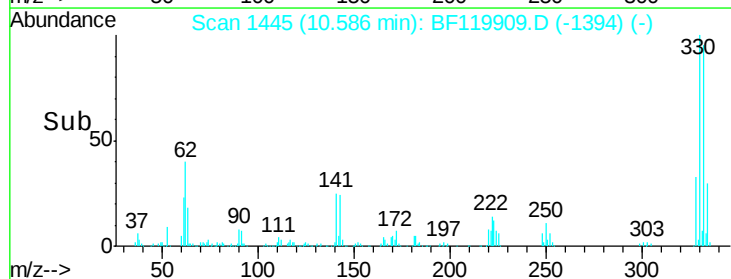
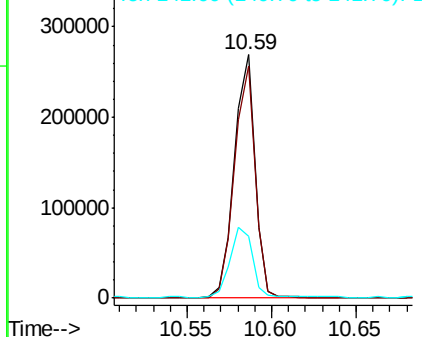
Lab File: BF119909.D

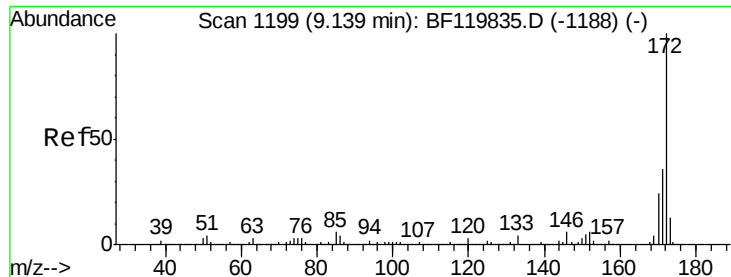
Acq: 10 Apr 2020 21:48

Tgt Ion:	330	Resp:	230499
Ion Ratio	Lower	Upper	
330	100		
332	95.7	76.8	115.2
141	31.4	25.1	37.7



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





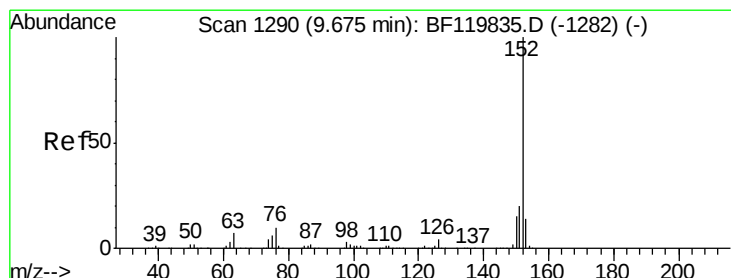
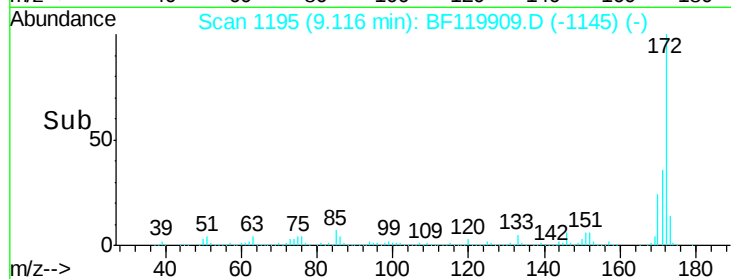
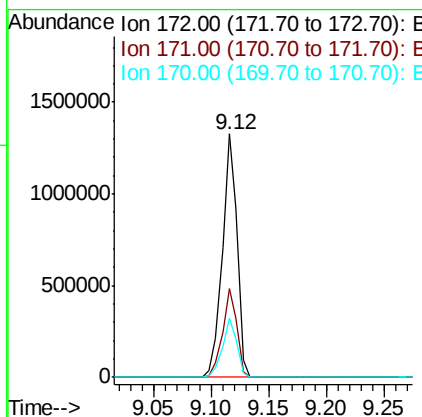
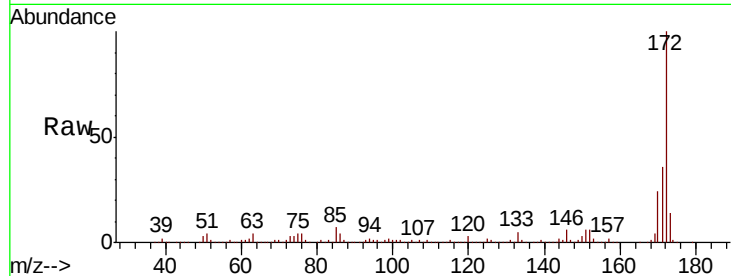
#45
2-Fluorobiphenyl
Concen: 62.100 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BF119909.D
Acq: 10 Apr 2020 21:48

Instrument :
BNA_F
ClientSampleId :
TP-37-36-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.9	43.3
170	24.3	19.4	29.2

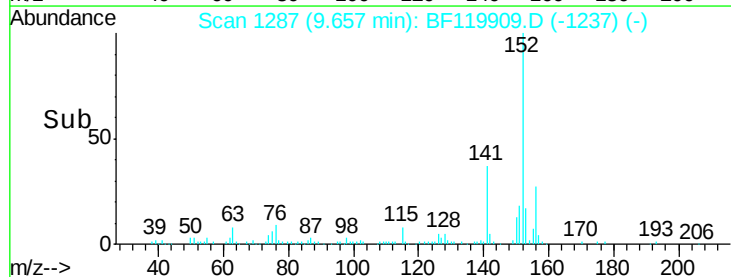
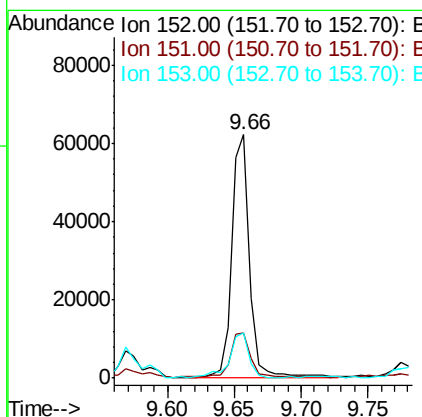
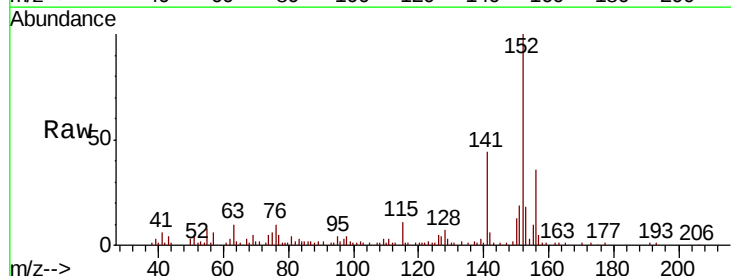
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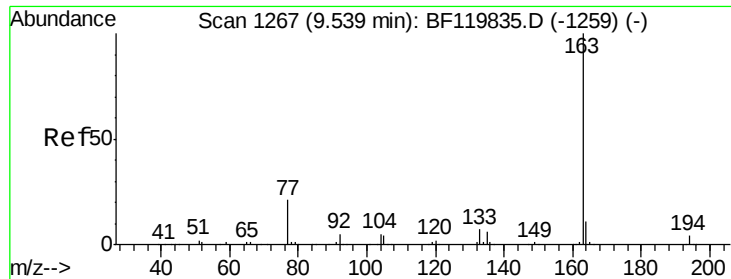
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#49
Acenaphthylene
Concen: 2.230 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF119909.D
Acq: 10 Apr 2020 21:48

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.8	16.2	24.4
153	18.4	10.9	16.3#





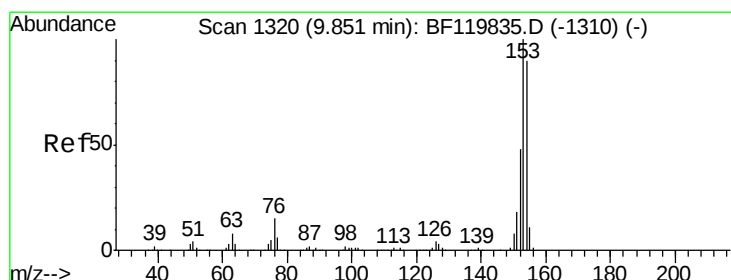
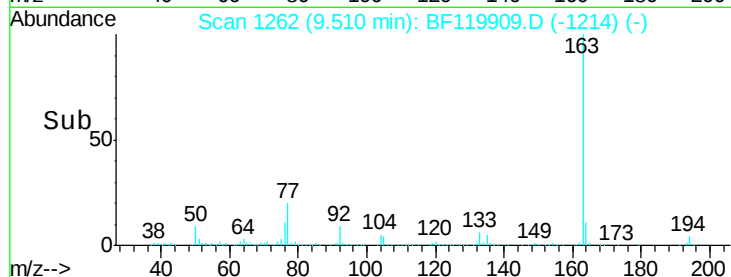
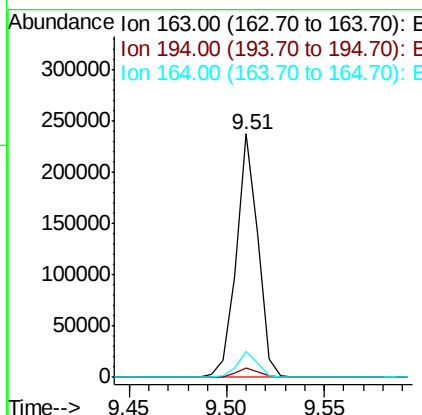
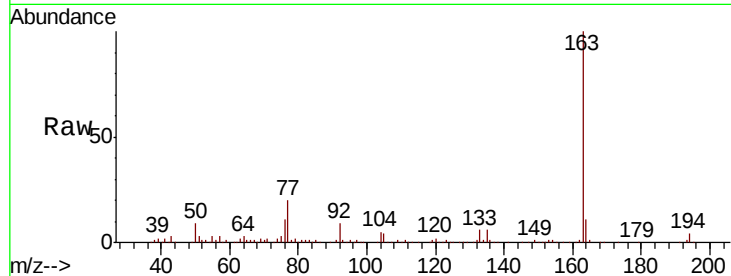
#50
Dimethylphthalate
Concen: 8.742 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF119909.D
Acq: 10 Apr 2020 21:48

Instrument :
BNA_F
ClientSampleId :
TP-37-36-COMP

Tot Ion	Ratio	Resp	Lower	Upper
163	100	181064		
194	3.9		3.0	4.4
164	10.7		8.4	12.6

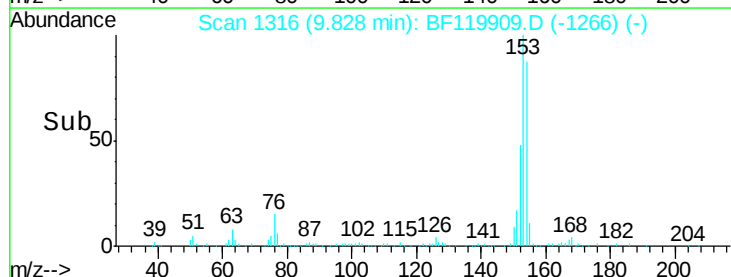
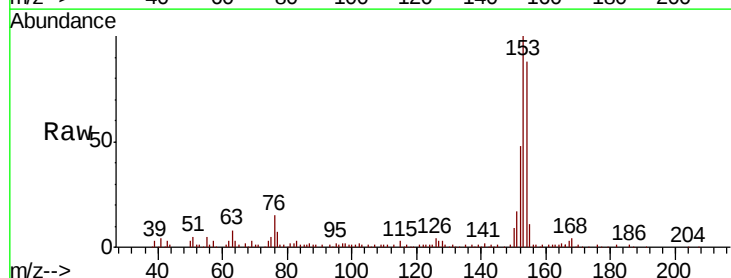
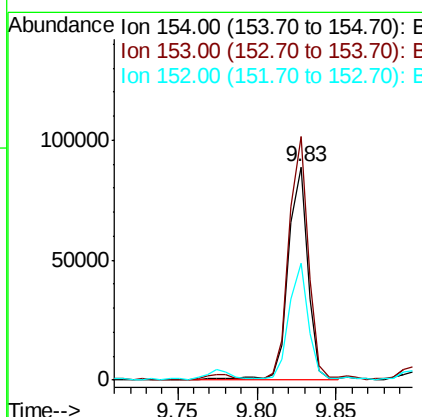
Manual Integrations
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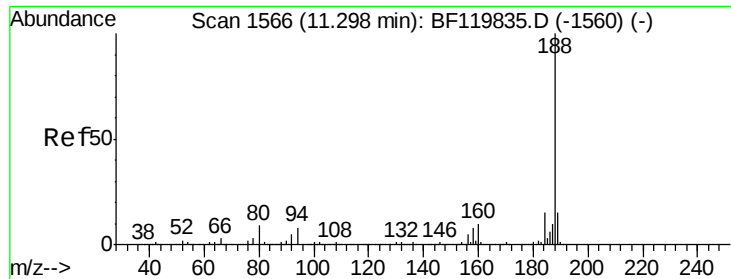
mohammad
4/14/2020 3:39:31 PM



#52
Acenaphthene
Concen: 4.304 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF119909.D
Acq: 10 Apr 2020 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	76018		
153	114.0		88.8	133.2
152	54.7		42.4	63.6





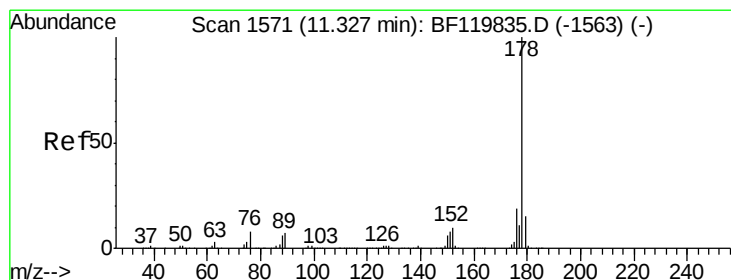
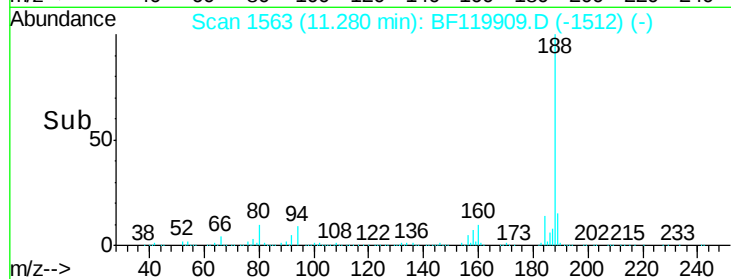
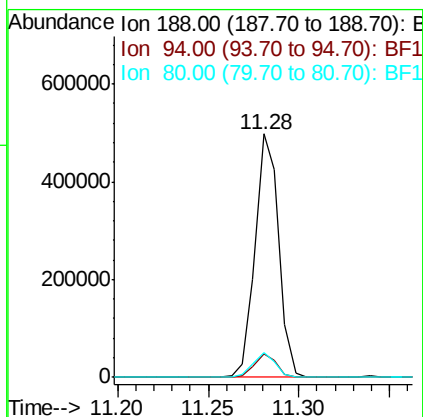
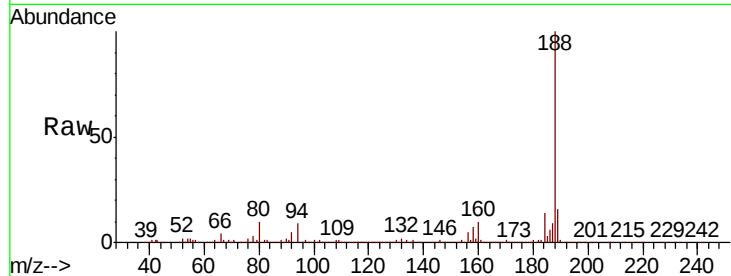
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.00 min
Lab File: BF119909.D
Acq: 10 Apr 2020 21:48

Instrument :
BNA_F
ClientSampleId :
TP-37-36-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	449019		
94	9.4		6.7	10.1
80	10.0		7.4	11.2

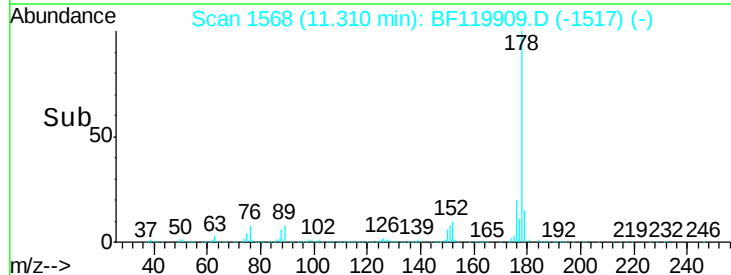
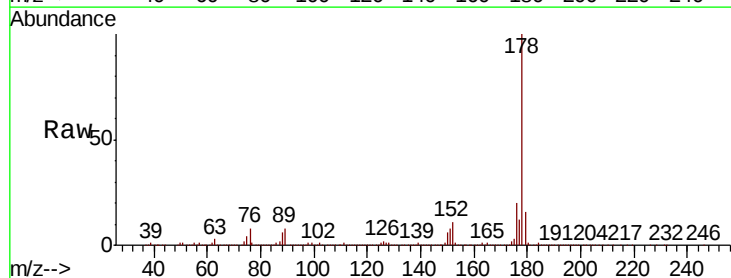
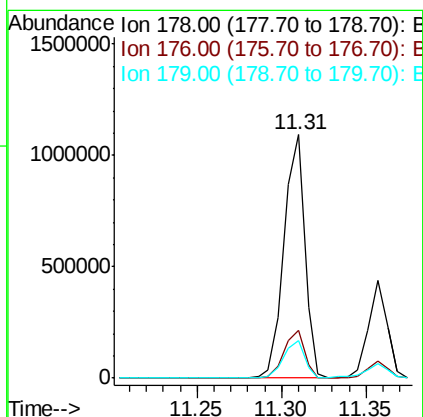
Manual Integrations
APPROVED

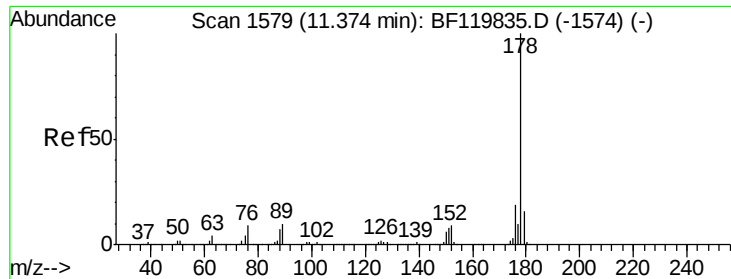
mohammad
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#71
Phenanthrene
Concen: 38.718 ng
RT: 11.31 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF119909.D
Acq: 10 Apr 2020 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	925245		
176	19.8		15.1	22.7
179	15.6		12.2	18.4





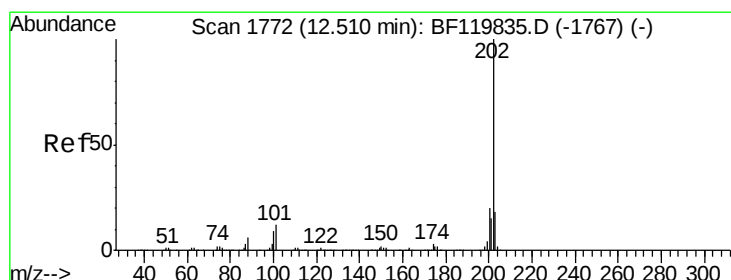
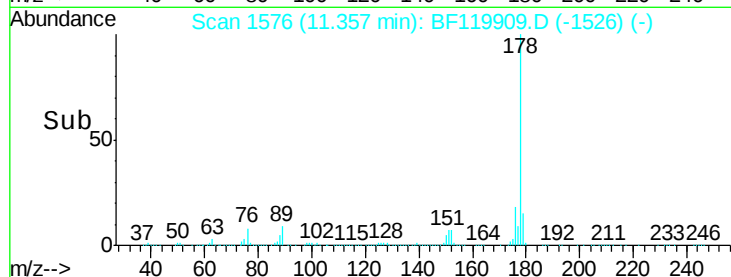
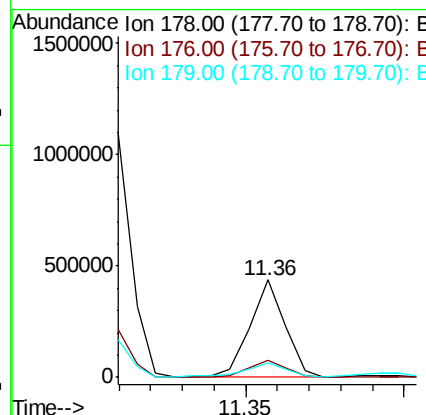
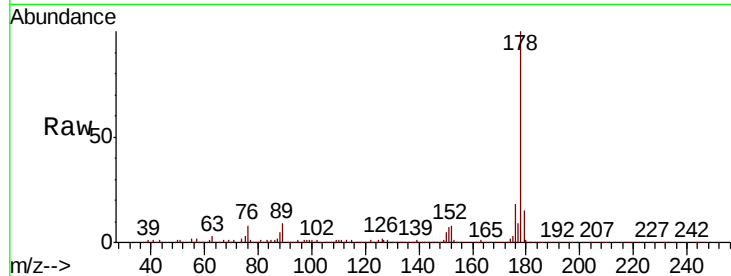
#72
 Anthracene
 Concen: 13.584 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF119909.D
 Acq: 10 Apr 2020 21:48

Instrument :
 BNA_F
 ClientSampleId :
 TP-37-36-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	15.1	12.8	19.2

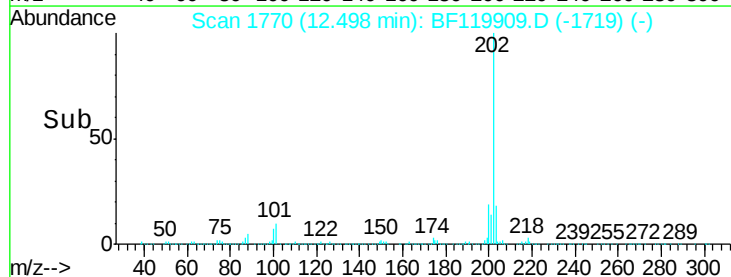
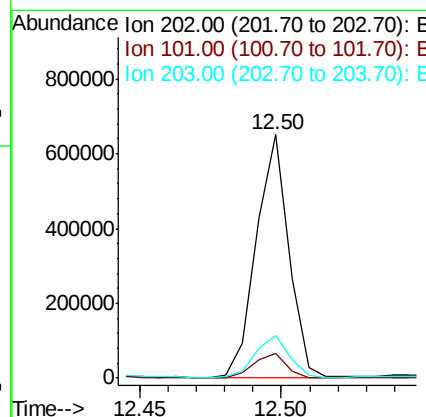
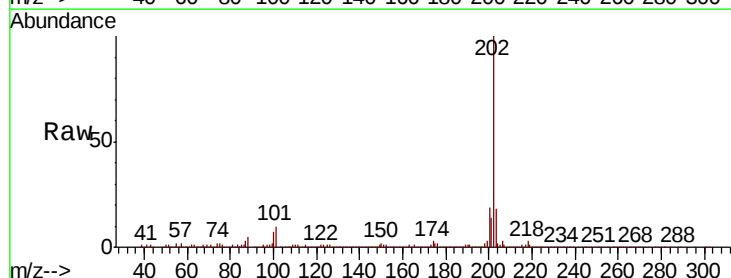
Manual Integrations
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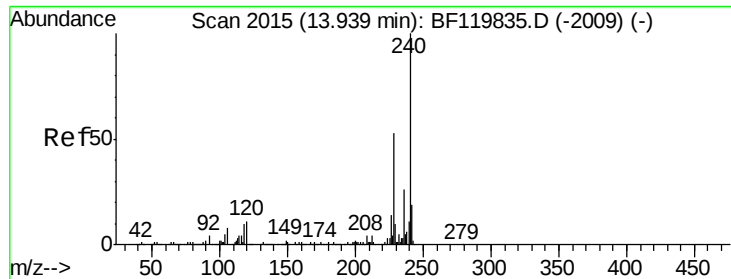
mohammad
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#75
 Fluoranthene
 Concen: 20.072 ng
 RT: 12.50 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: BF119909.D
 Acq: 10 Apr 2020 21:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	32.3
203	17.7	0.0	37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BF119909.D

Acq: 10 Apr 2020 21:48

Instrument :

BNA_F

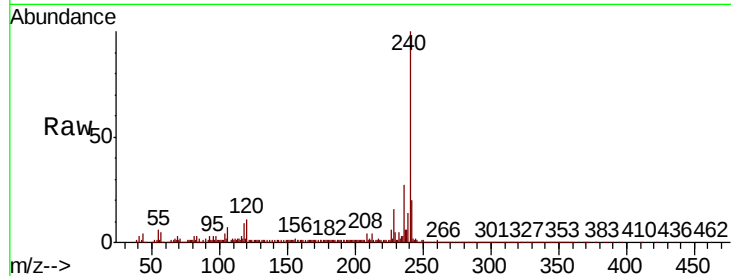
ClientSampleId :

TP-37-36-COMP

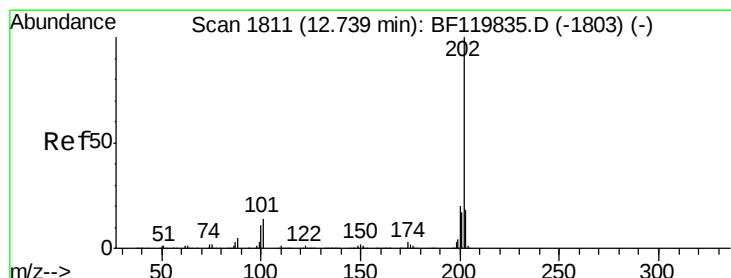
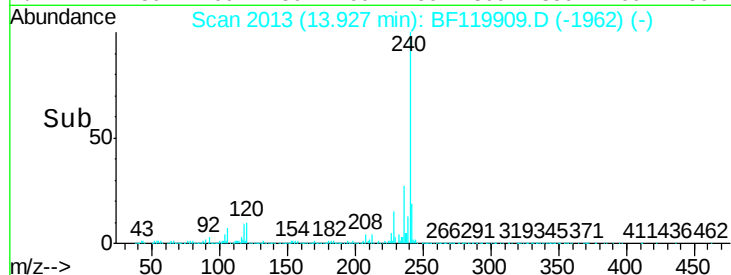
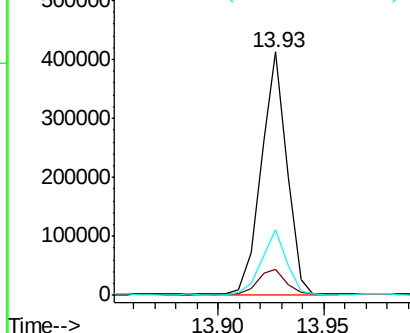
Tot Ion:	240	Resp:	346675
Ion Ratio	Lower	Upper	
240	100		
120	10.8	9.0	13.6
236	26.8	20.7	31.1

Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 29.498 ng

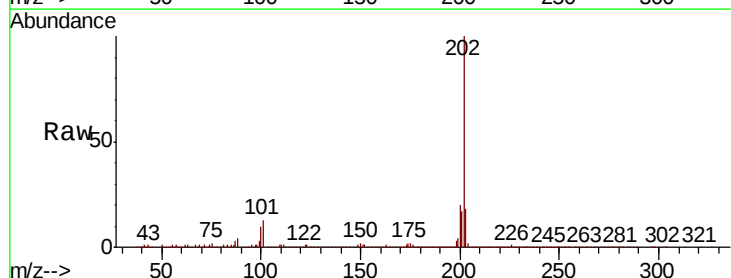
RT: 12.73 min Scan# 1809

Delta R.T. 0.00 min

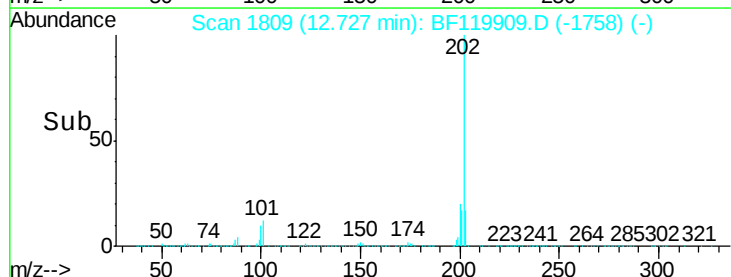
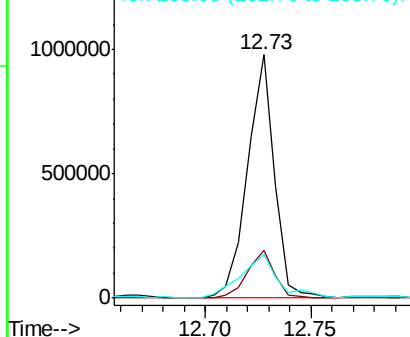
Lab File: BF119909.D

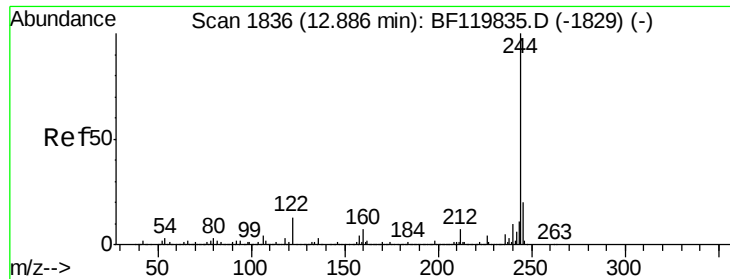
Acq: 10 Apr 2020 21:48

Tgt Ion:	202	Resp:	862097
Ion Ratio	Lower	Upper	
202	100		
200	19.8	16.2	24.2
203	18.3	14.1	21.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





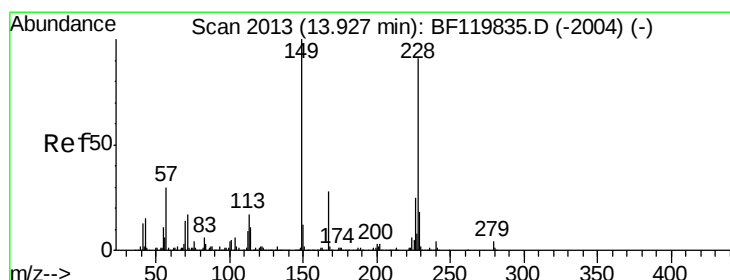
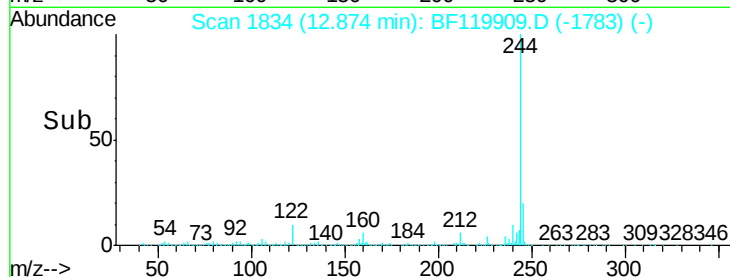
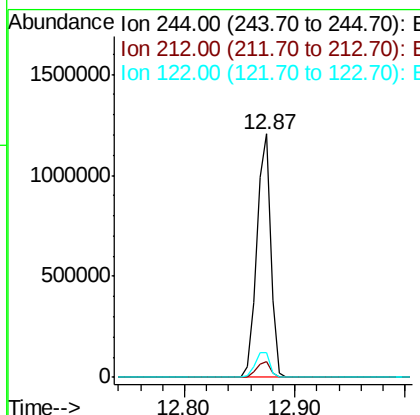
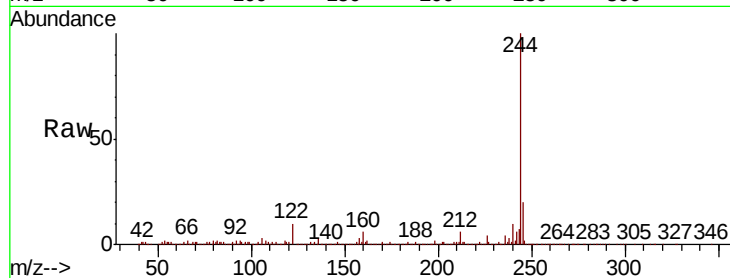
#79
 Terphenyl-d14
 Concen: 51.964 ng
 RT: 12.87 min Scan# 1834
 Delta R.T. 0.00 min
 Lab File: BF119909.D
 Acq: 10 Apr 2020 21:48

Instrument :
 BNA_F
 ClientSampleId :
 TP-37-36-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	10.2	10.3	15.5

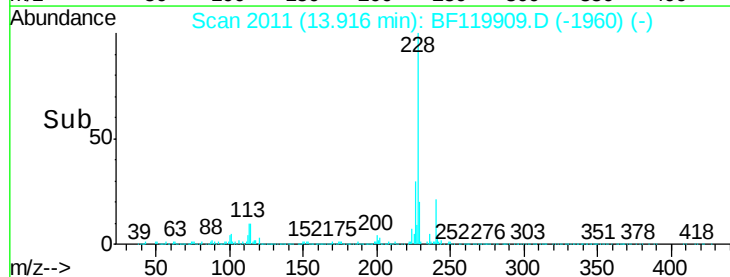
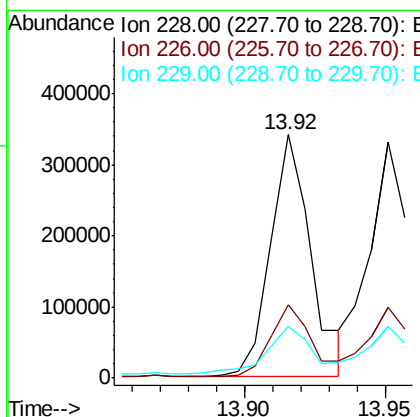
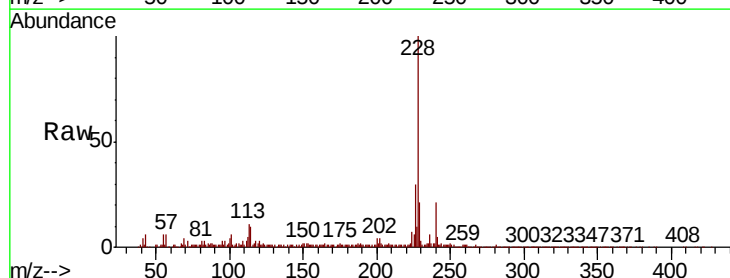
Manual Integrations
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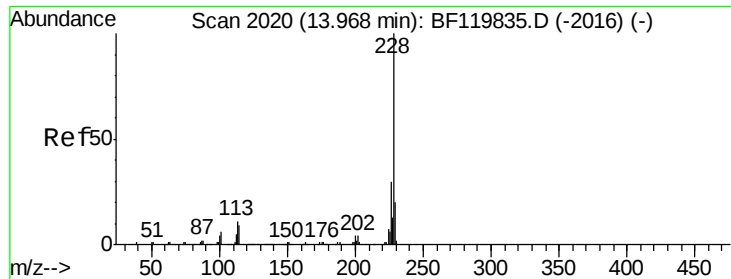
mohammad
 4/14/2020 3:39:31 PM



#81
 Benzo(a)anthracene
 Concen: 14.778 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. 0.00 min
 Lab File: BF119909.D
 Acq: 10 Apr 2020 21:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	21.9	32.9
229	21.2	15.9	23.9





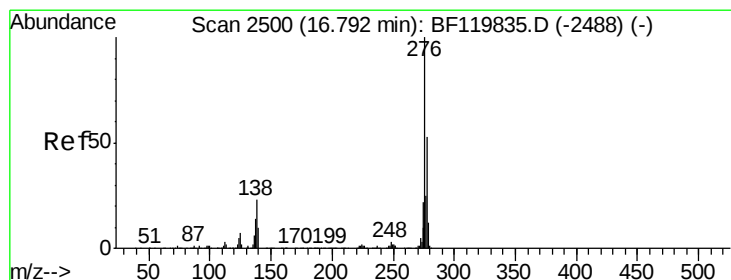
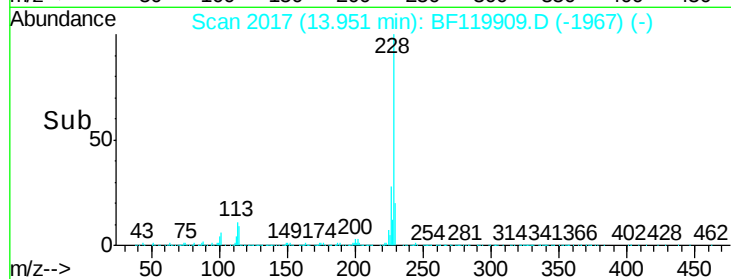
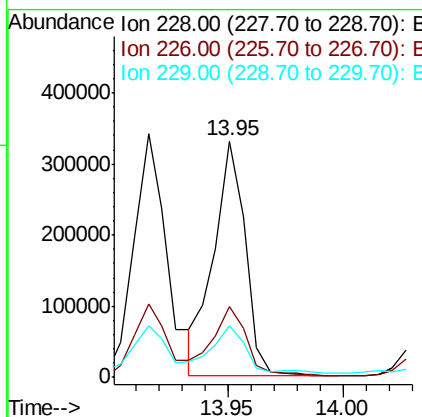
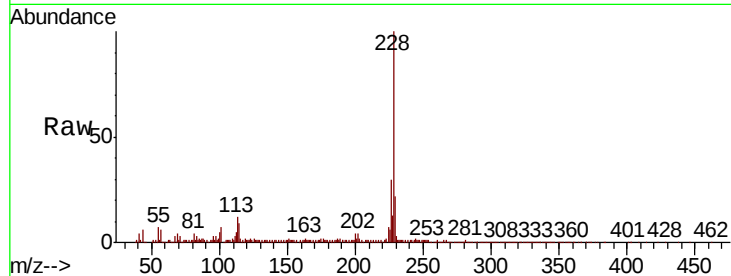
#83
Chrysene
Concen: 13.425 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF119909.D
Acq: 10 Apr 2020 21:48

Instrument :
BNA_F
ClientSampleId :
TP-37-36-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.2
229	22.1	15.9	23.9

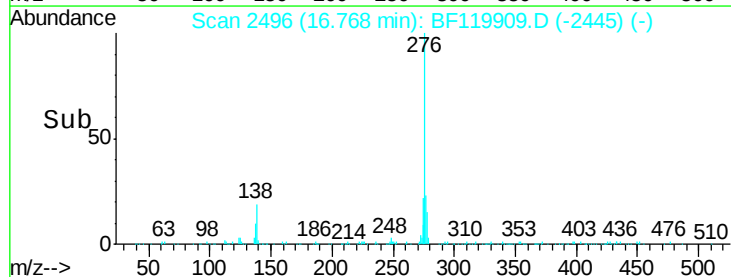
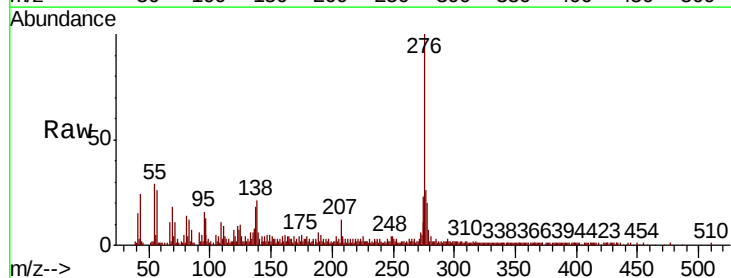
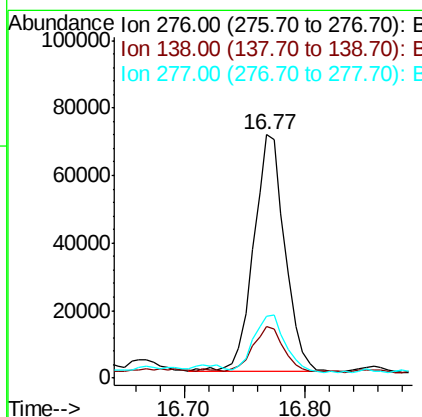
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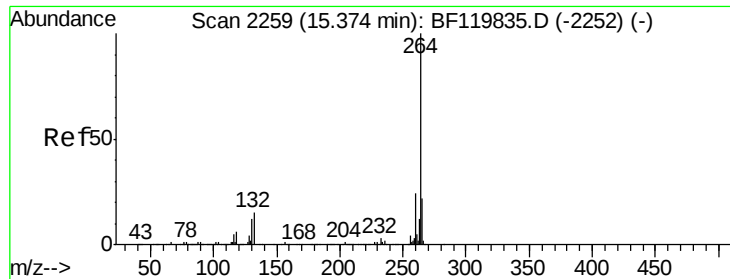
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.152 ng
RT: 16.77 min Scan# 2496
Delta R.T. 0.00 min
Lab File: BF119909.D
Acq: 10 Apr 2020 21:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	18.0	27.0
277	25.2	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.01 min

Lab File: BF119909.D

Acq: 10 Apr 2020 21:48

Instrument :

BNA_F

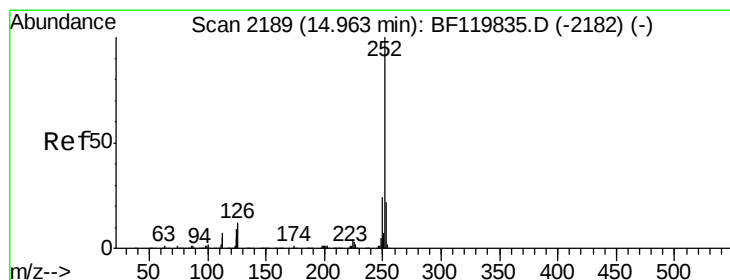
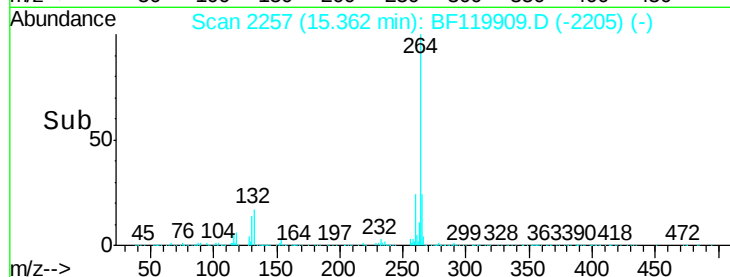
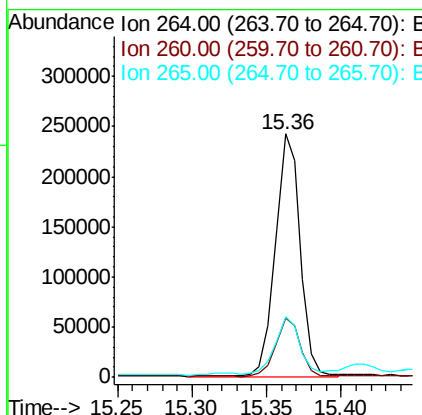
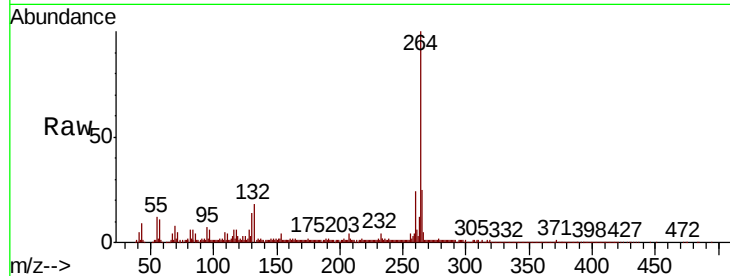
ClientSampleId :

TP-37-36-COMP

Tot Ion:	264	Resp:	280869
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.3	28.9
265	24.9	17.6	26.4

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#88

Benzo(b)fluoranthene

Concen: 14.035 ng m

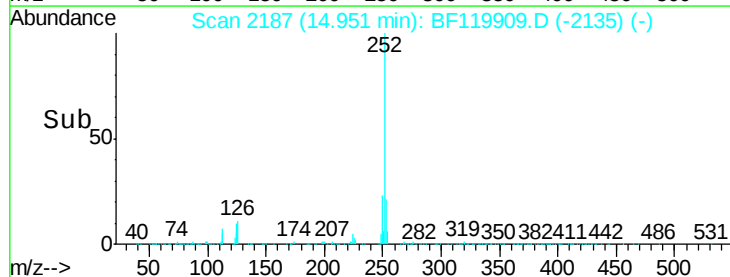
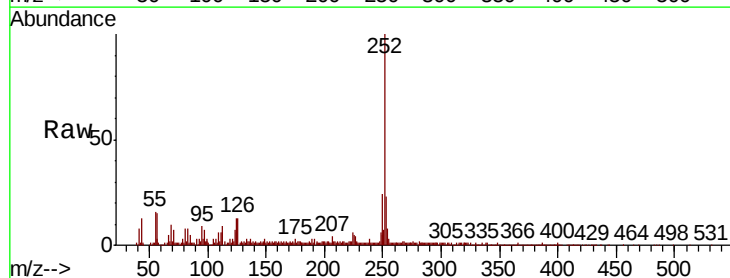
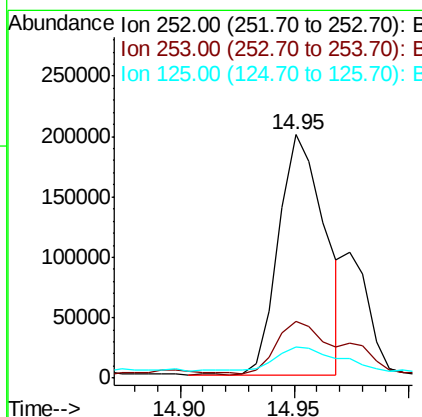
RT: 14.95 min Scan# 2187

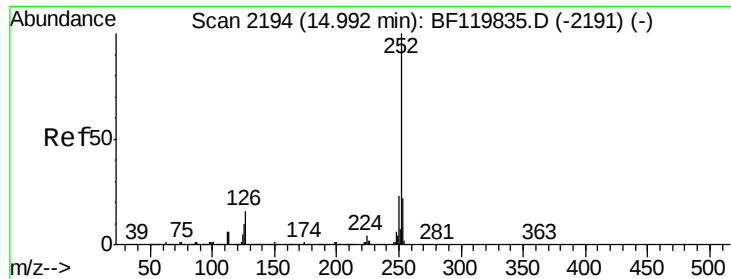
Delta R.T. 0.01 min

Lab File: BF119909.D

Acq: 10 Apr 2020 21:48

Tgt Ion:	252	Resp:	283576
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.7	26.5
125	12.9	7.4	11.2#





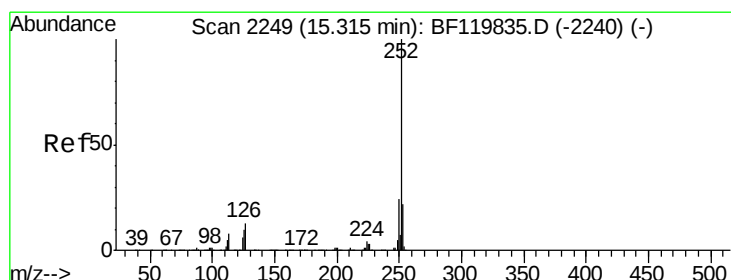
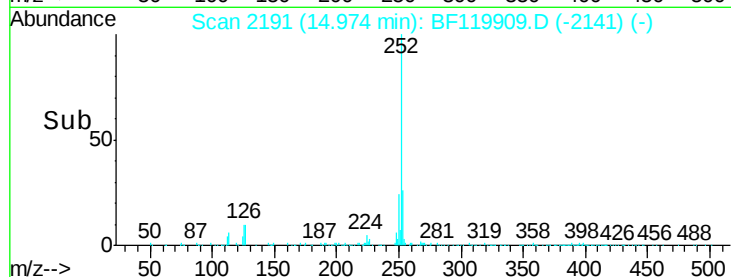
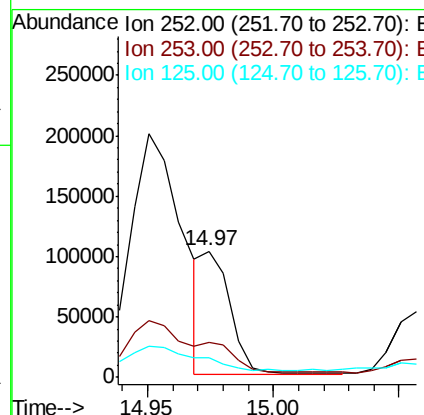
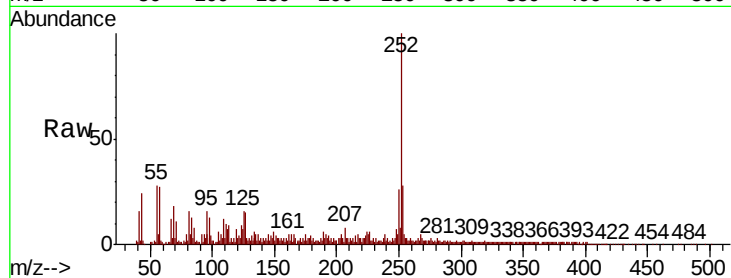
#89
Benzo(k)fluoranthene
Concen: 4.523 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF119909.D
Acq: 10 Apr 2020 21:48

Instrument :
BNA_F
ClientSampleId :
TP-37-36-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.8	26.8#
125	15.8	7.7	11.5#

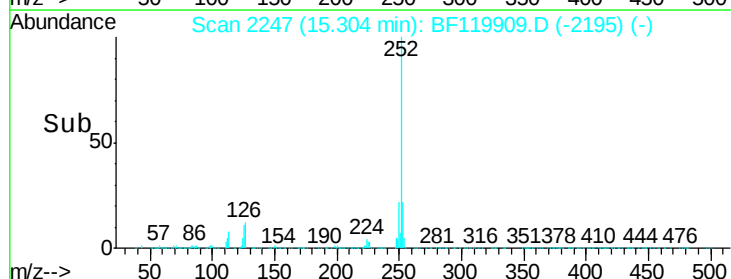
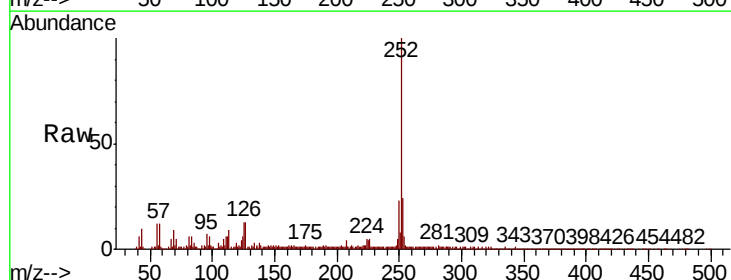
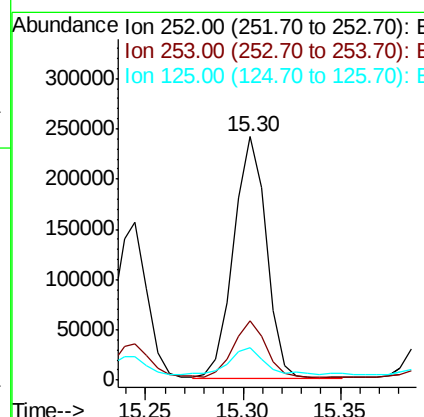
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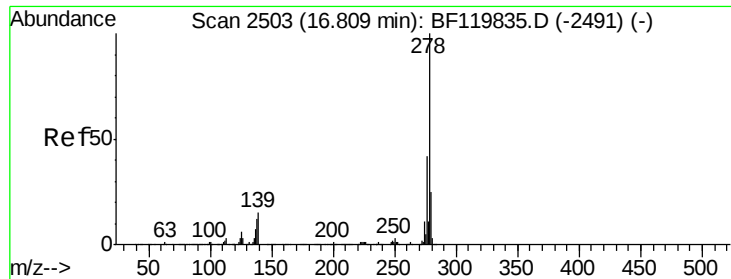
mohammad
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#90
Benzo(a)pyrene
Concen: 16.446 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.01 min
Lab File: BF119909.D
Acq: 10 Apr 2020 21:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.2
125	13.3	8.3	12.5#





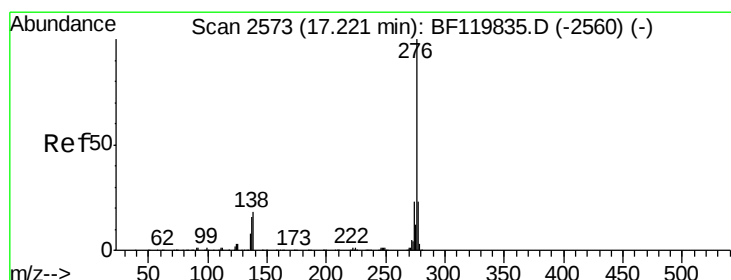
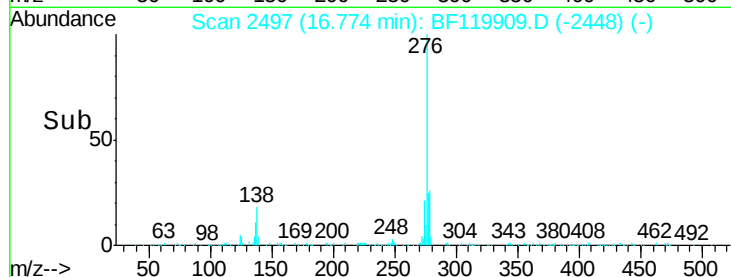
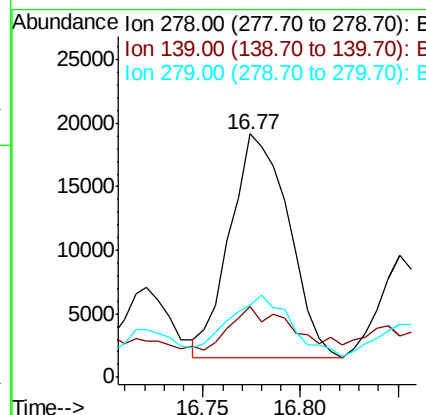
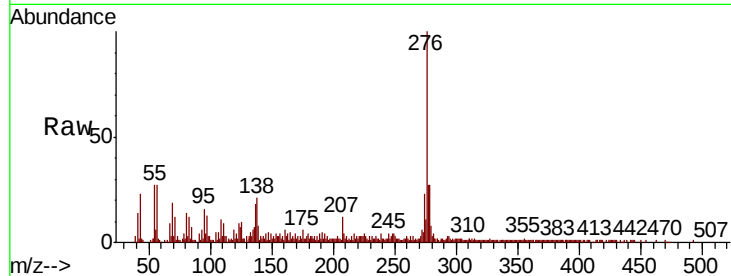
#91
Dibenzo(a,h)anthracene
Concen: 2.429 ng
RT: 16.77 min Scan# 2497
Delta R.T. -0.01 min
Lab File: BF119909.D
Acq: 10 Apr 2020 21:48

Instrument :
BNA_F
ClientSampleId :
TP-37-36-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.2	11.6	17.4#
279	29.6	19.7	29.5#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 10.279 ng
RT: 17.20 min Scan# 2569
Delta R.T. 0.01 min
Lab File: BF119909.D
Acq: 10 Apr 2020 21:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.5	27.7
138	19.0	14.6	22.0

