

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122819\
 Data File : BF118379.D
 Acq On : 28 Dec 2019 21:46
 Operator : JU
 Sample : K6443-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PH-3

Manual Integrations
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12/30/2019 2:08:49 PM

Quant Time: Dec 29 07:57:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	109874	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	436350	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	227071	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	386968	20.00	ng	0.00
76) Chrysene-d12	14.04	240	277369	20.00	ng	0.00
87) Perylene-d12	15.54	264	326427	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	627578	97.50	ng	0.00
7) Phenol-d6	6.49	99	806403	100.99	ng	0.00
23) Nitrobenzene-d5	7.42	82	474614	62.21	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	243785	86.94	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	993285	66.77	ng	0.00
79) Terphenyl-d14	12.98	244	991101	59.28	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.62	163	69239	4.062	ng	Qvalue 100
71) Phenanthrene	11.42	178	47336	2.244	ng	98
75) Fluoranthene	12.61	202	71212	3.345	ng	97
78) Pyrene	12.84	202	96568	4.263	ng	98
81) Benzo(a)anthracene	14.03	228	55286m	2.848	ng	
83) Chrysene	14.07	228	59393	3.195	ng	# 96
86) Indeno(1,2,3-cd)pyrene	17.05	276	37658	2.377	ng	95
88) Benzo(b)fluoranthene	15.10	252	82815m	3.822	ng	
90) Benzo(a)pyrene	15.47	252	67309	3.526	ng	96
92) Benzo(g,h,i)perylene	17.51	276	39370	2.460	ng	# 85

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

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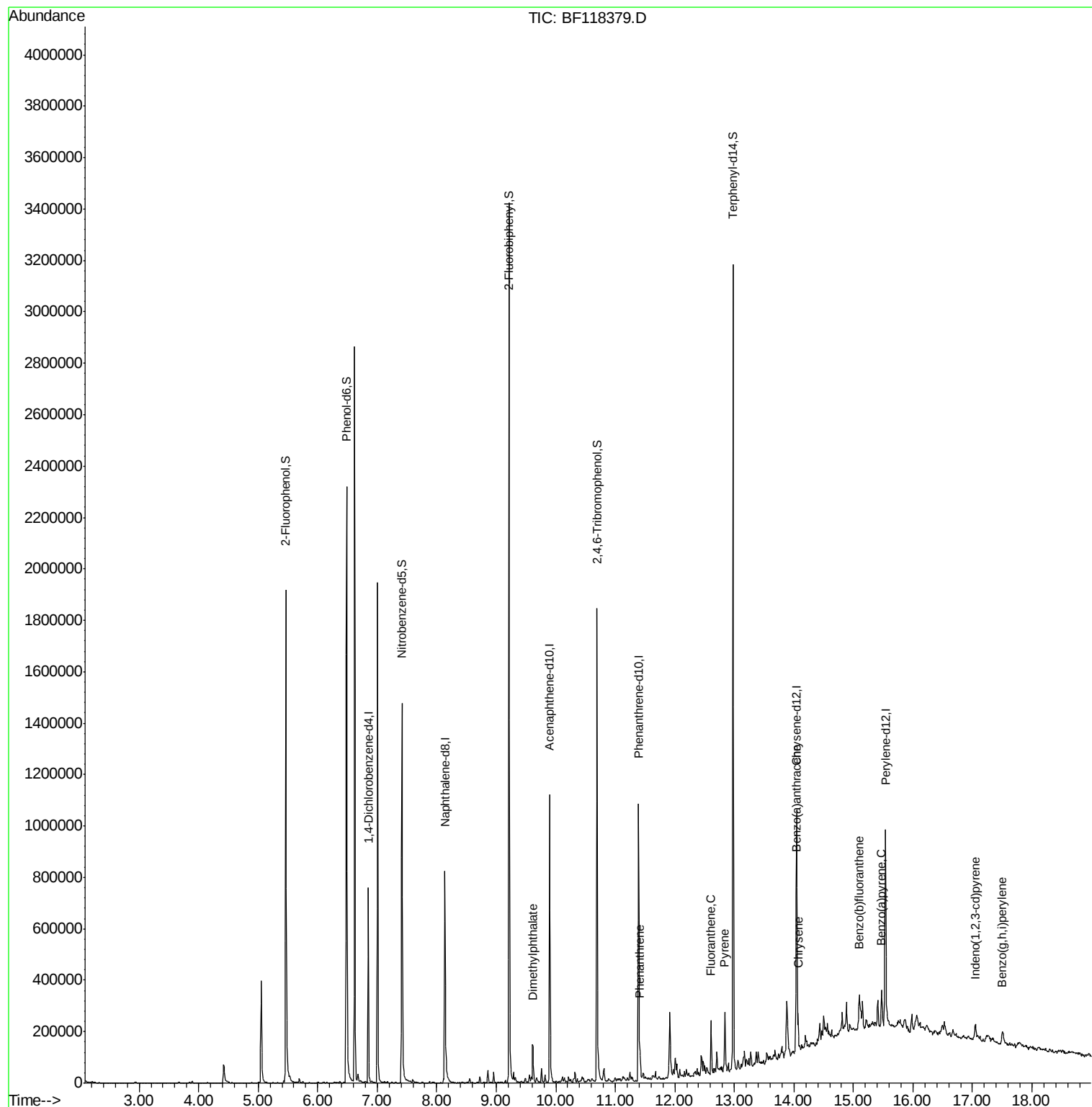
Instrument :
BNA_F
ClientSampled :
PH-3

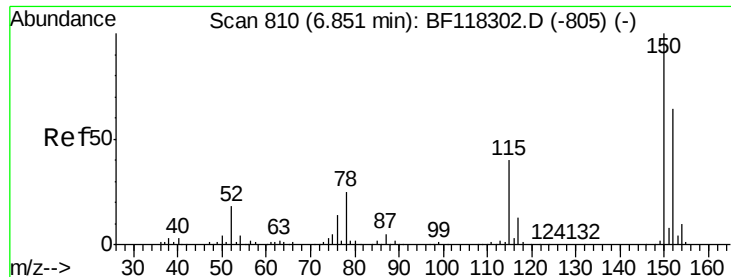
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF118379.D
 Acq: 28 Dec 2019 21:46

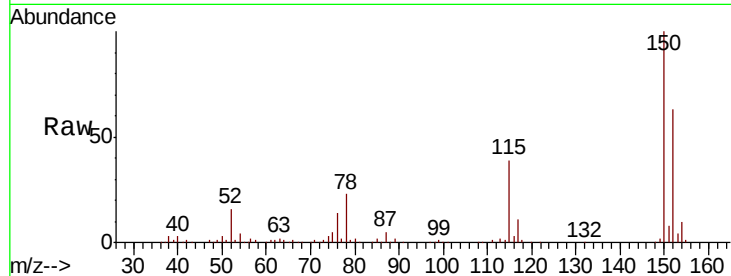
Instrument :
 BNA_F
 ClientSampled :
 PH-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	125.4	188.2
115	60.9	50.2	75.4

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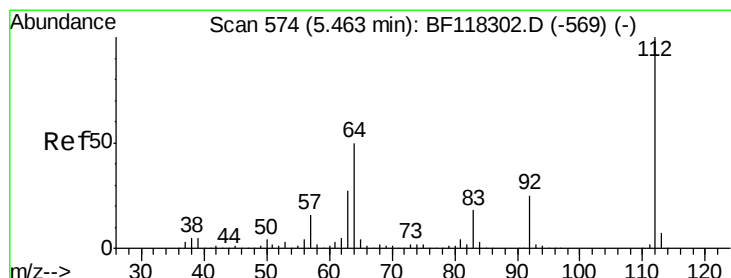
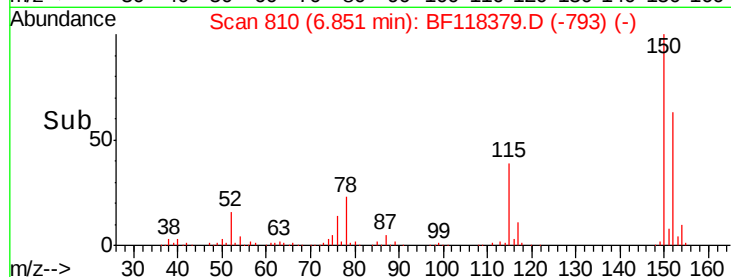
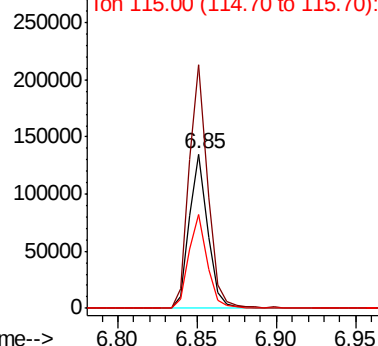


Abundance

Ion 152.00 (151.70 to 152.70): E

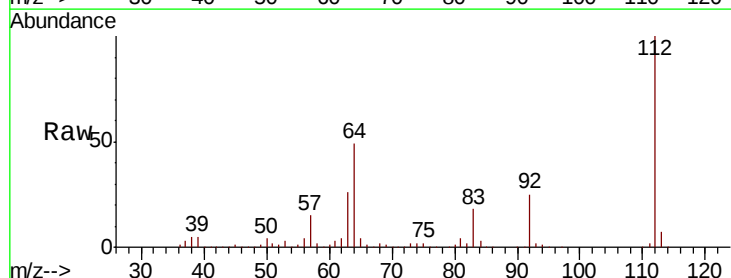
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 97.500 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF118379.D
 Acq: 28 Dec 2019 21:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.1	39.7	59.5
63	25.8	21.7	32.5

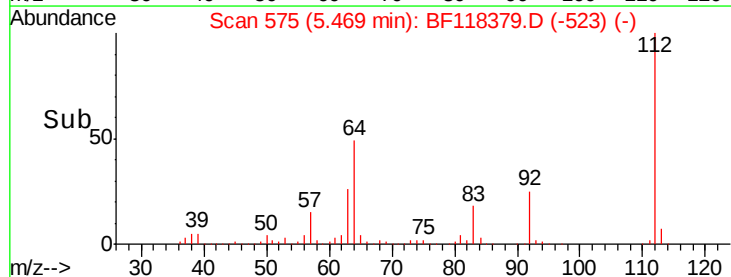
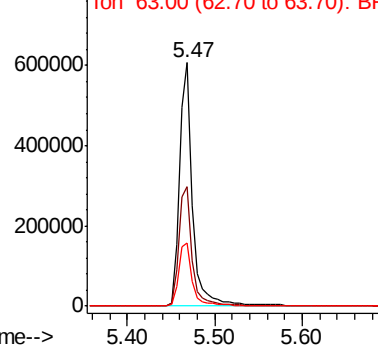


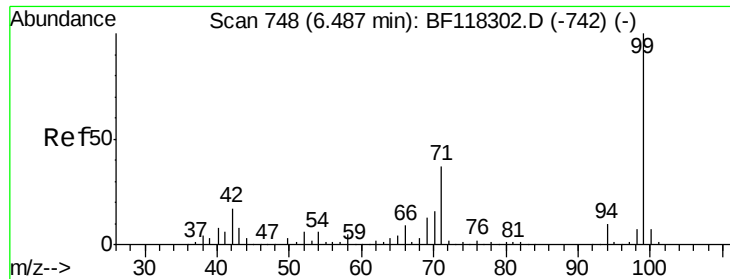
Abundance

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: 100.991 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF118379.D

Acq: 28 Dec 2019 21:46

Instrument :

BNA_F

ClientSampled :

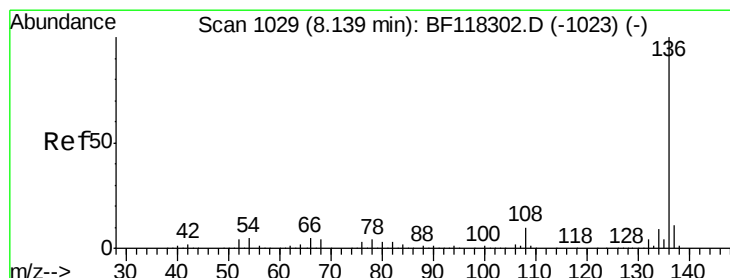
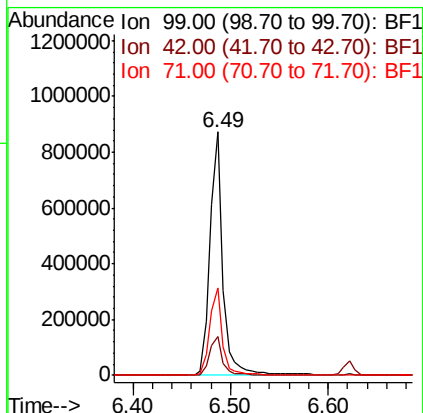
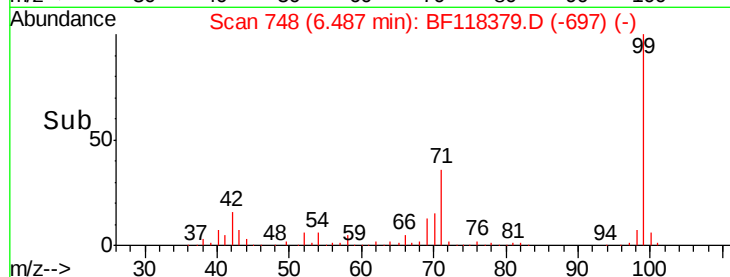
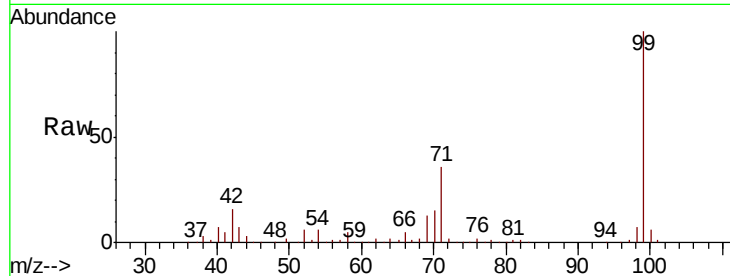
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Tot Ion:	99	Resp:	806403
Ion Ratio	Lower	Upper	
99	100		
42	15.9	13.5	20.3
71	35.9	29.4	44.2

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#21

Naphthalene-d8

Concen: 20.000 ng

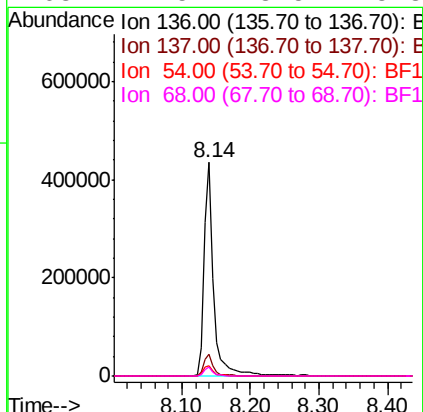
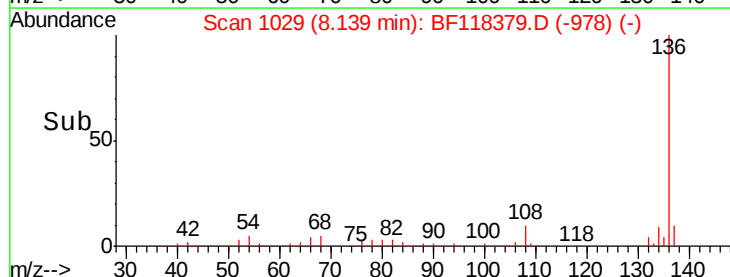
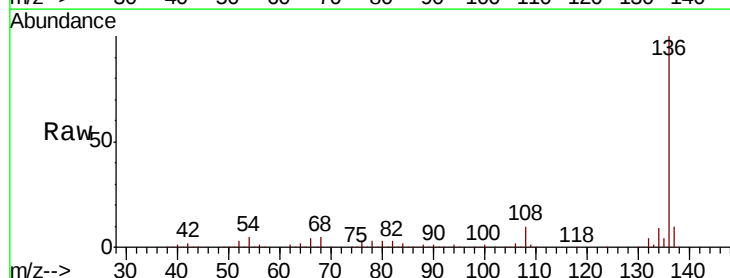
RT: 8.14 min Scan# 1029

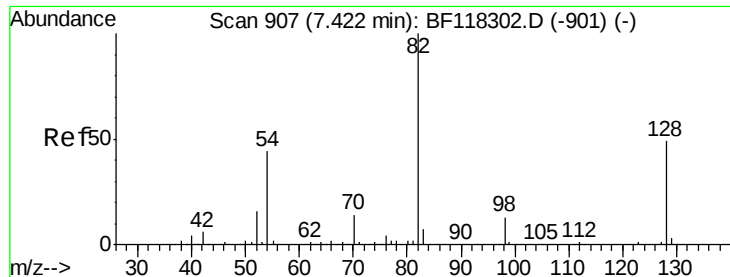
Delta R.T. 0.00 min

Lab File: BF118379.D

Acq: 28 Dec 2019 21:46

Tgt Ion:	136	Resp:	436350
Ion Ratio	Lower	Upper	
136	100		
137	10.2	8.9	13.3
54	4.9	4.2	6.4
68	4.5	3.5	5.3





#23
 Nitrobenzene-d5
 Concen: 62.210 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF118379.D
 Acq: 28 Dec 2019 21:46

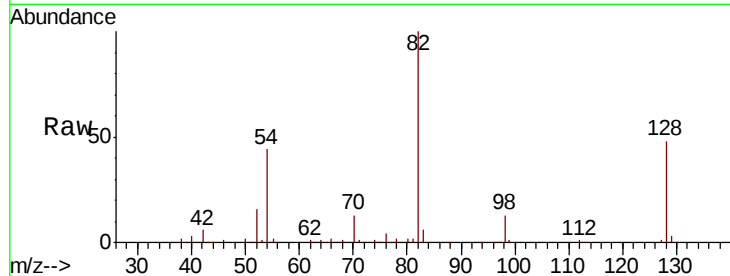
Instrument :
 BNA_F
 ClientSampled :
 PH-3

Tot Ion:	82	Resp:	474614
Ion Ratio	Lower	Upper	
82	100		
128	48.2	39.6	59.4
54	44.2	34.9	52.3

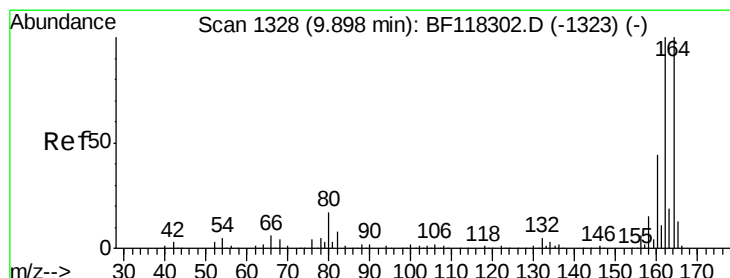
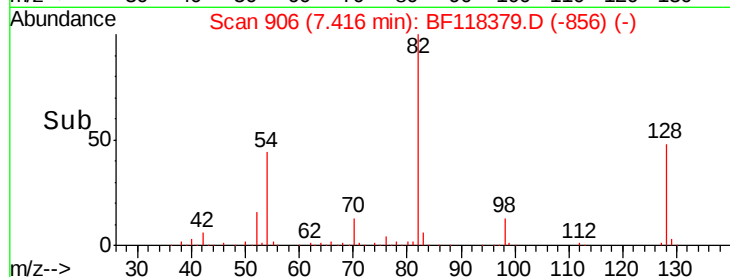
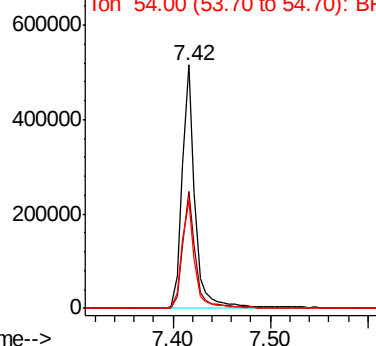
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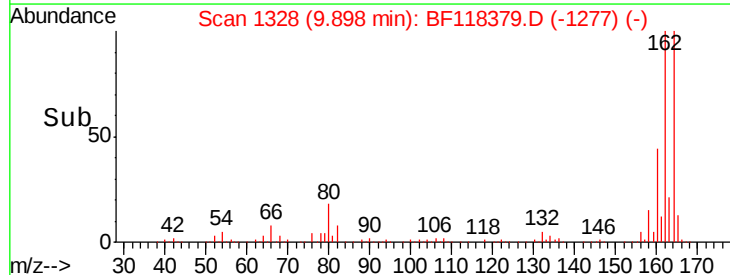
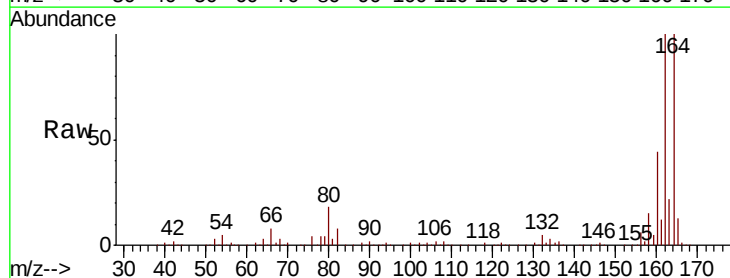
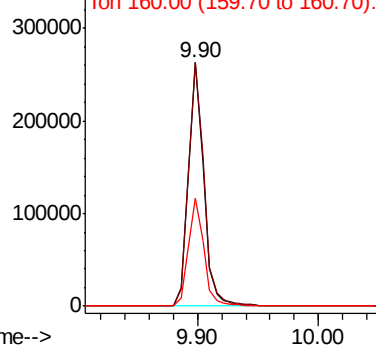
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

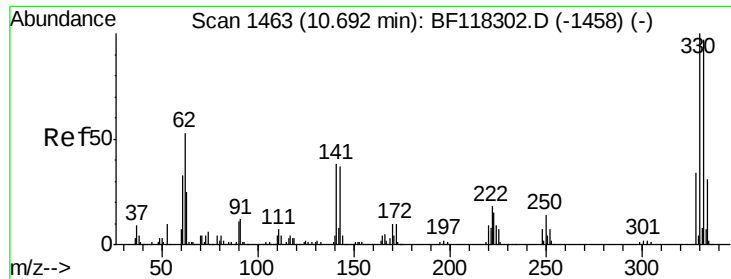


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: BF118379.D
 Acq: 28 Dec 2019 21:46

Tgt Ion:	164	Resp:	227071
Ion Ratio	Lower	Upper	
164	100		
162	100.0	80.0	120.0
160	44.2	34.8	52.2

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: 86.937 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: BF118379.D
 Acq: 28 Dec 2019 21:46

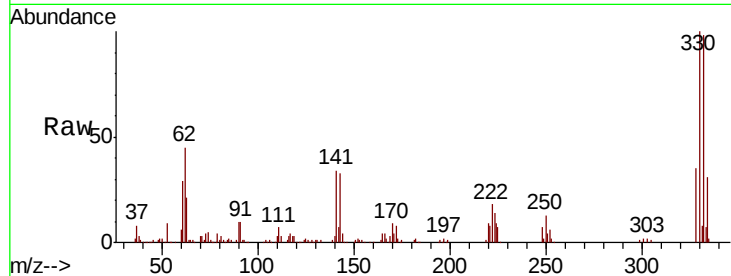
Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
330	100	243785		
332	97.3	76.6	114.8	
141	33.7	26.0	39.0	

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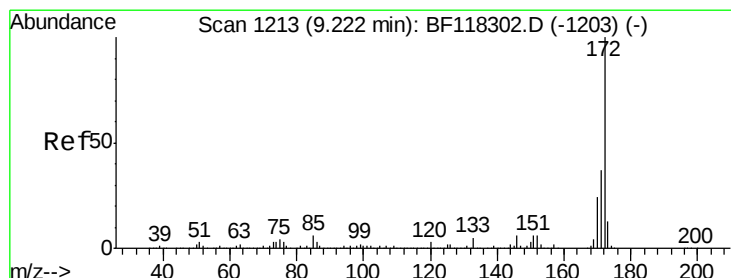
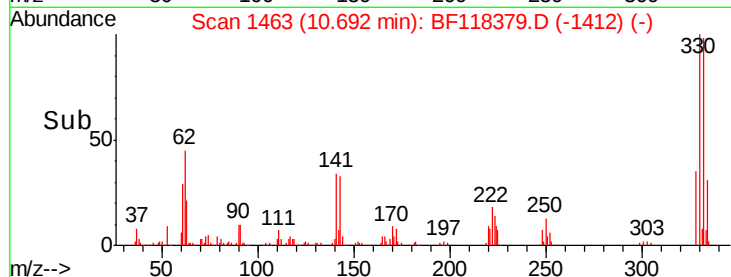
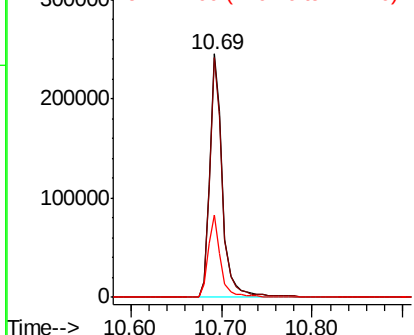


Abundance

Ion 329.80 (329.50 to 330.50): E

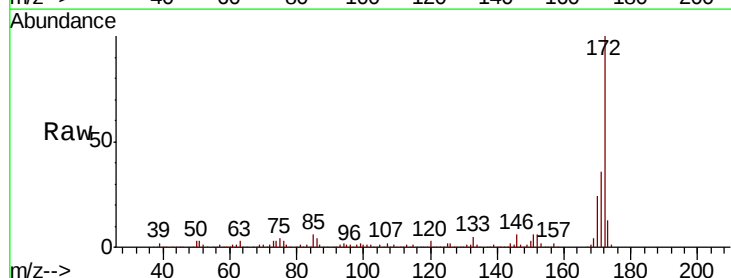
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 66.773 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118379.D
 Acq: 28 Dec 2019 21:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	993285		
171	36.5	29.3	43.9	
170	23.5	19.2	28.8	

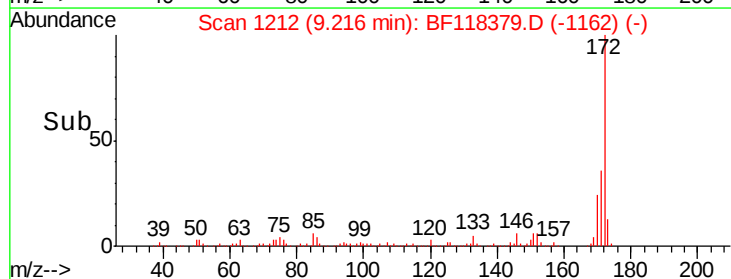
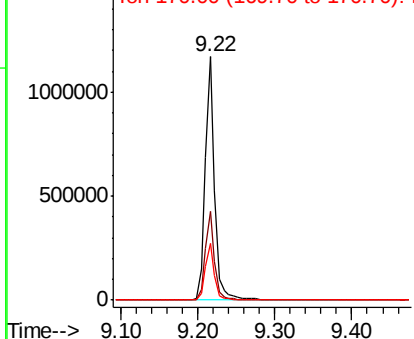


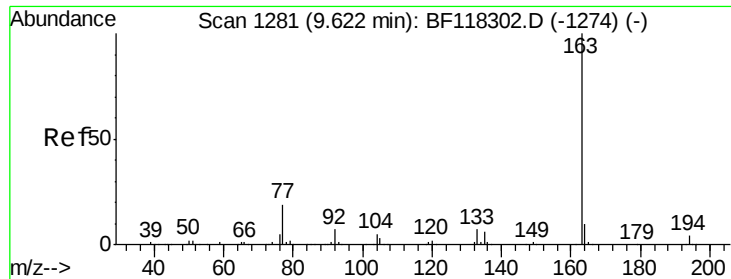
Abundance

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





#50

Dimethylphthalate

Concen: 4.062 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF118379.D

Acq: 28 Dec 2019 21:46

Instrument :

BNA_F

ClientSampleId :

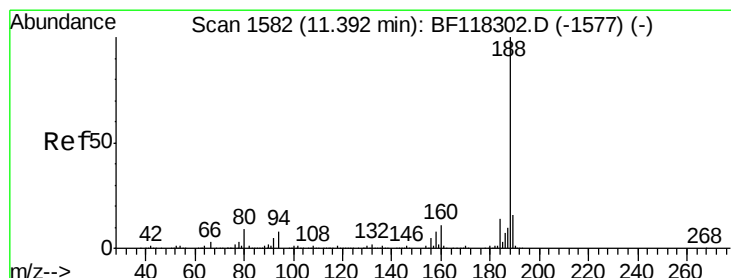
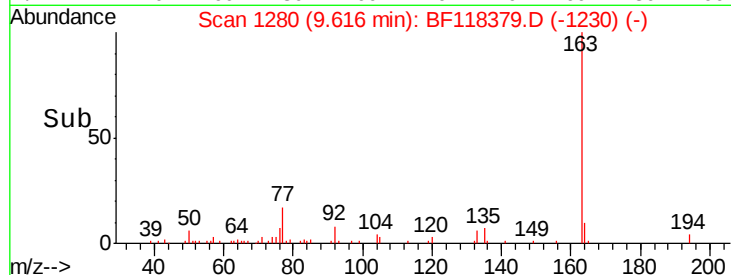
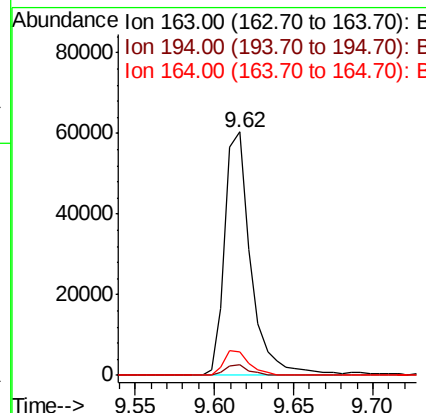
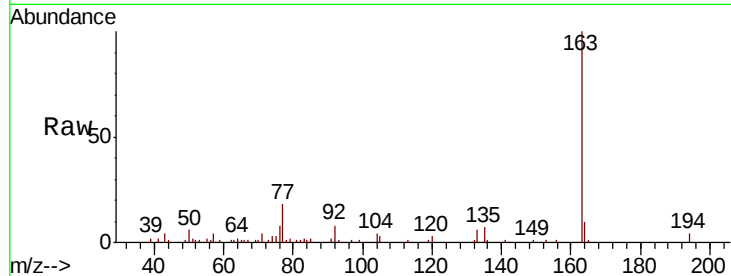
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Tot Ion:	163	Resp:	69239
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.2	4.8
164	9.7	7.9	11.9

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#64

Phenanthrene-d10

Concen: 20.000 ng

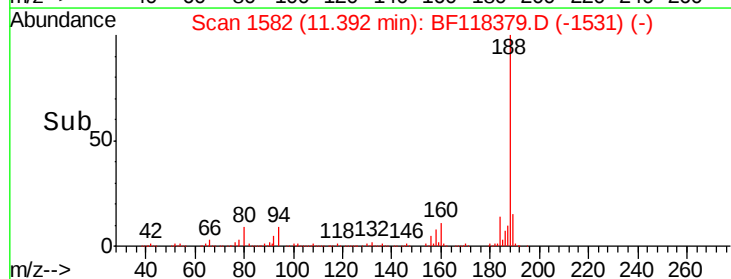
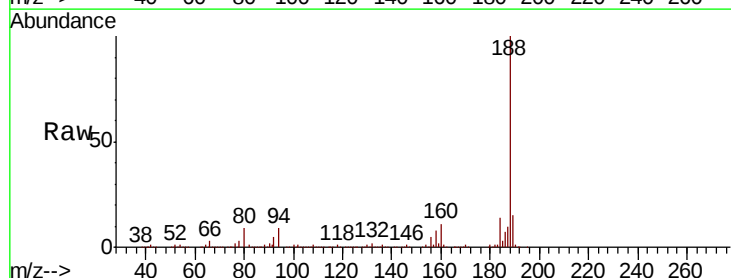
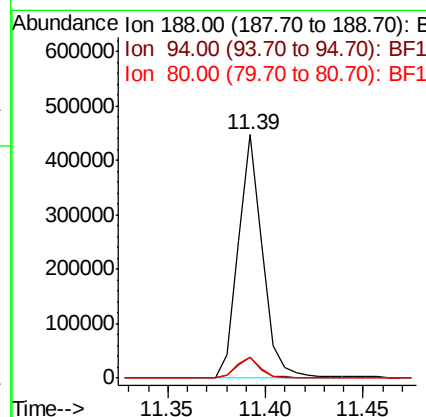
RT: 11.39 min Scan# 1582

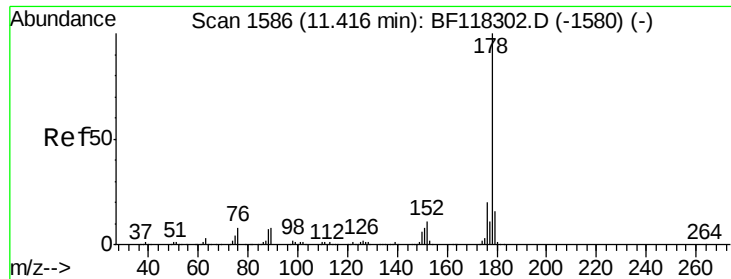
Delta R.T. 0.00 min

Lab File: BF118379.D

Acq: 28 Dec 2019 21:46

Tgt Ion:	188	Resp:	386968
Ion Ratio	Lower	Upper	
188	100		
94	8.7	6.7	10.1
80	8.8	7.2	10.8





#71
Phenanthrene
Concen: 2.244 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

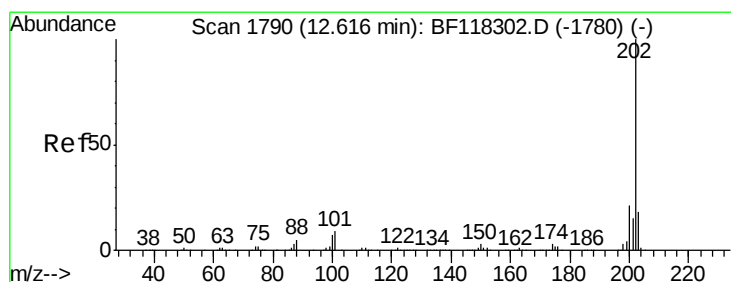
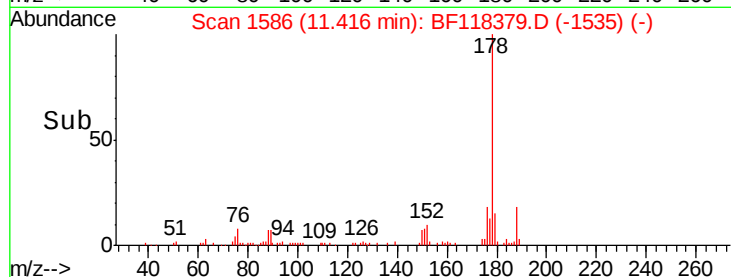
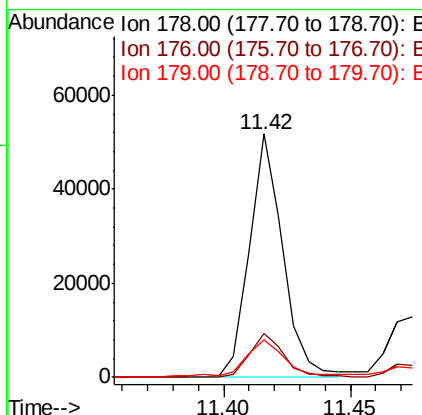
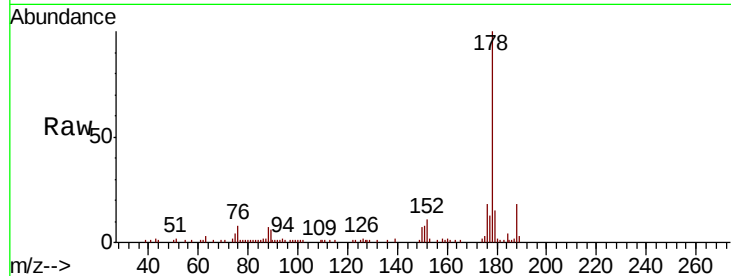
Instrument :
BNA_F
ClientSampleId :
PH-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.6	23.4
179	15.4	12.6	19.0

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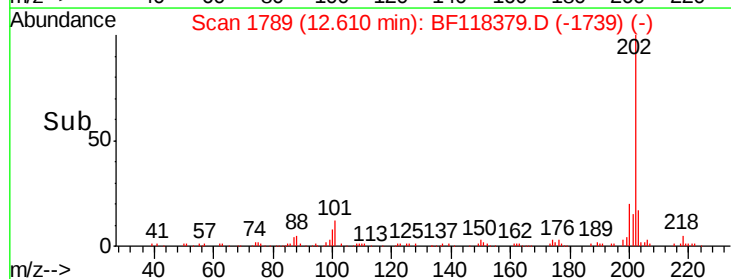
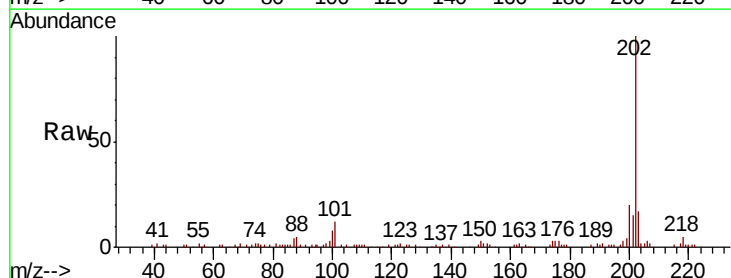
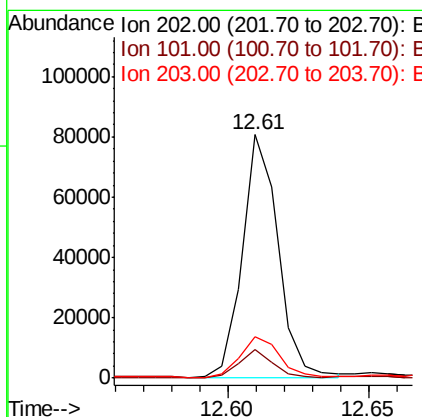
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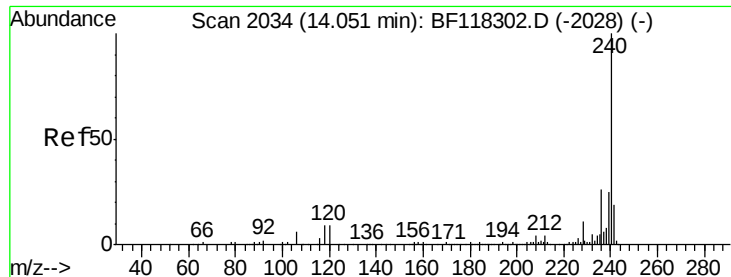
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#75
Fluoranthene
Concen: 3.345 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	29.5
203	16.9	0.0	37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

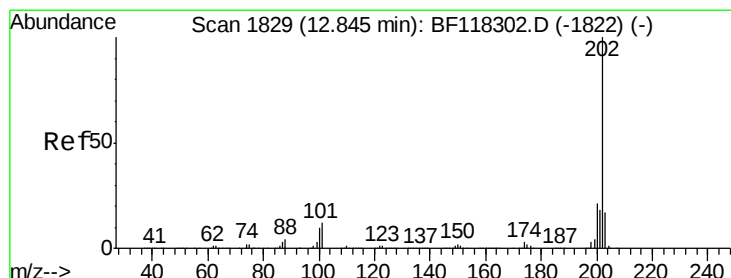
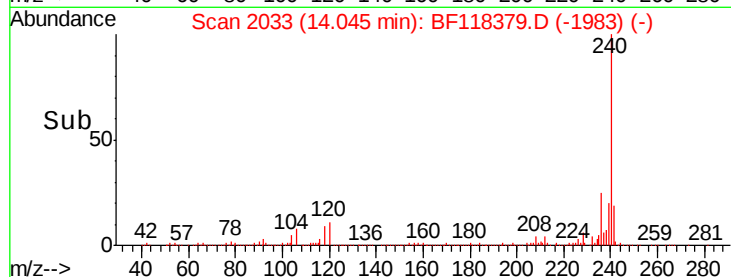
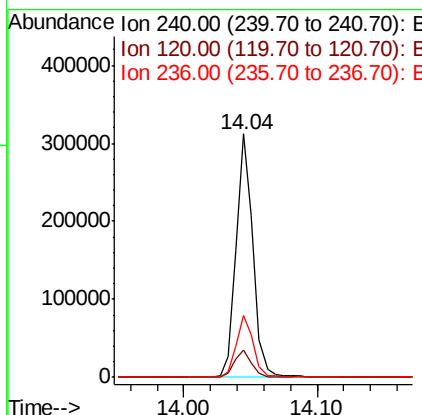
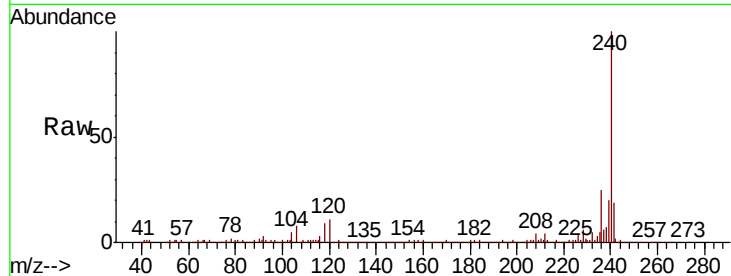
Instrument :
BNA_F
ClientSampleId :
PH-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	7.1	10.7#
236	25.3	21.0	31.6

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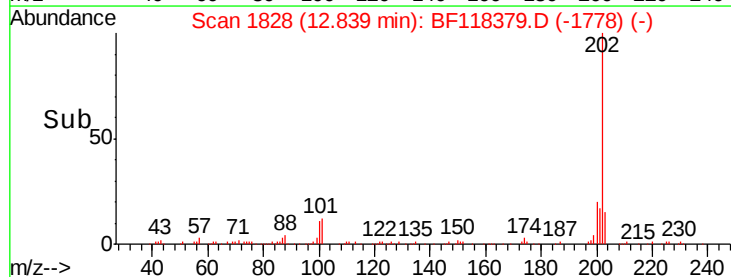
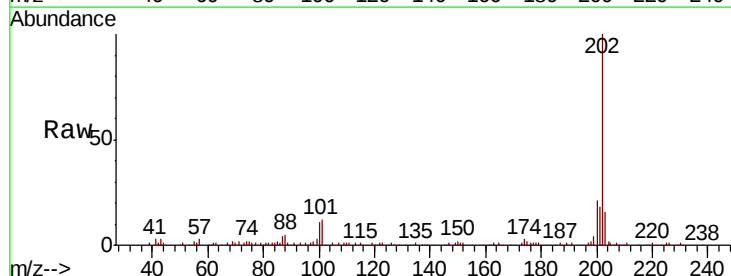
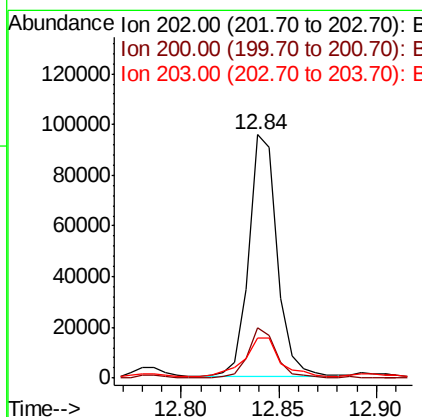
mohammad

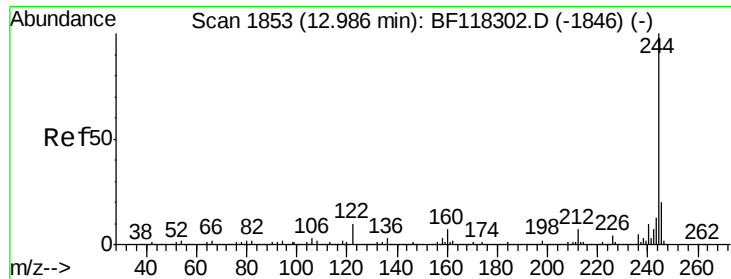
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#78
Pyrene
Concen: 4.263 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.8	25.2
203	16.5	13.9	20.9





#79
 Terphenyl-d14
 Concen: 59.281 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF118379.D
 Acq: 28 Dec 2019 21:46

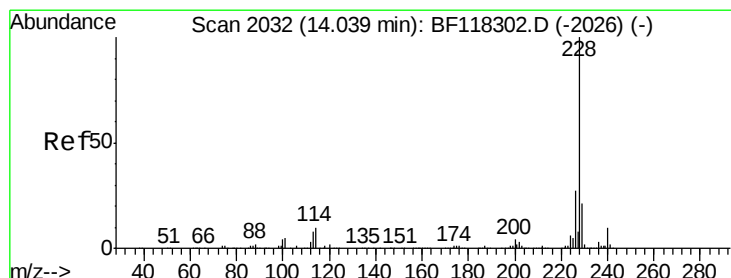
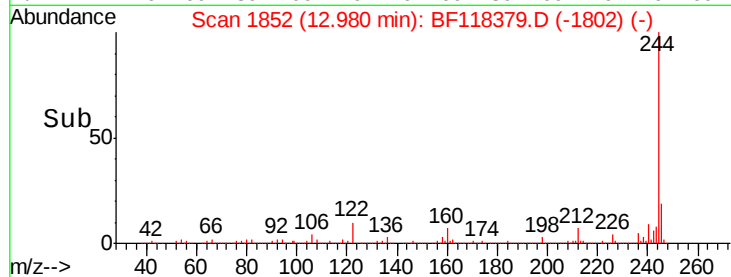
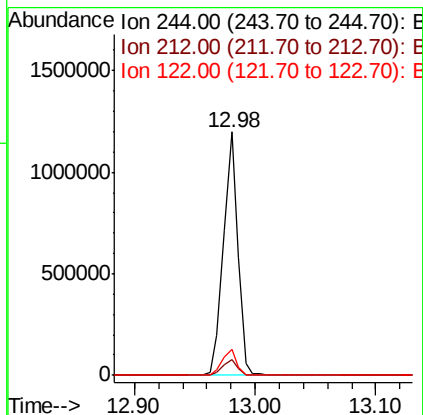
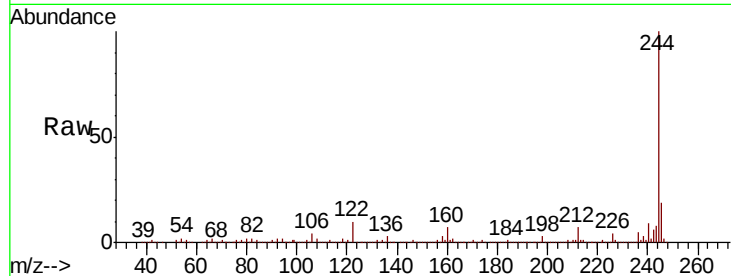
Instrument :
 BNA_F
 ClientSampleId :
 PH-3

Tot Ion:	244	Resp:	991101
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.2
122	10.4	7.8	11.8

Manual Integrations
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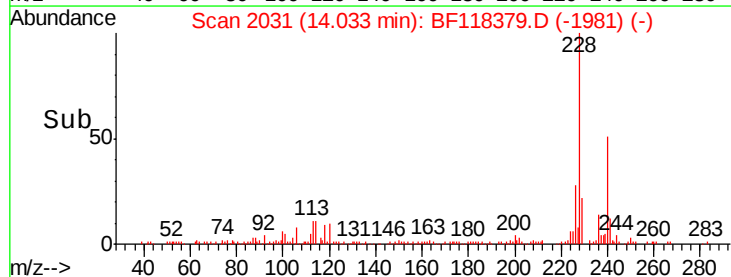
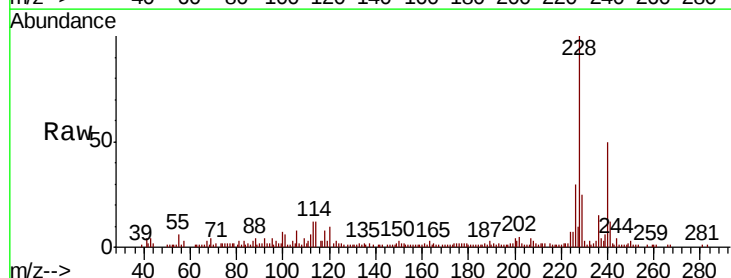
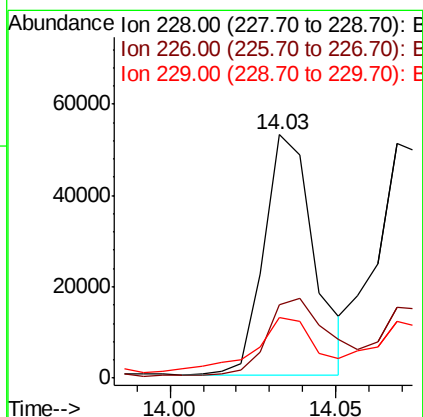
mohammad

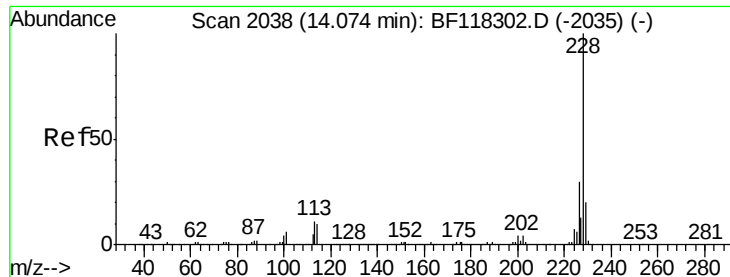
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#81
 Benzo(a)anthracene
 Concen: 2.848 ng m
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF118379.D
 Acq: 28 Dec 2019 21:46

Tgt Ion:	228	Resp:	55286
Ion Ratio	Lower	Upper	
228	100		
226	30.0	22.0	33.0
229	25.0	16.6	24.8#





#83
Chrysene
Concen: 3.195 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

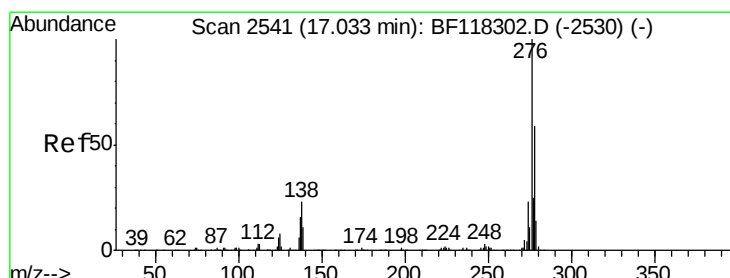
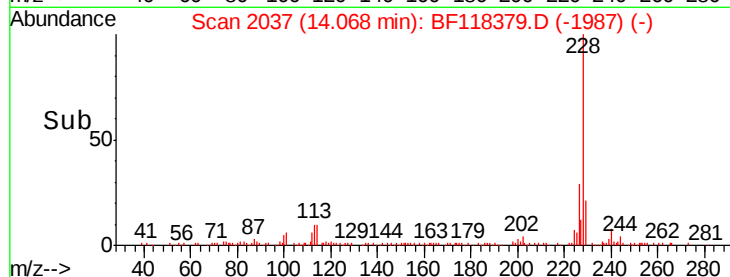
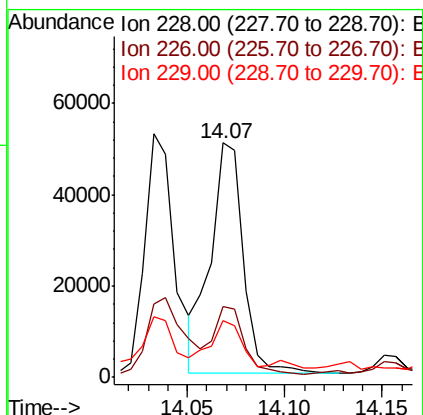
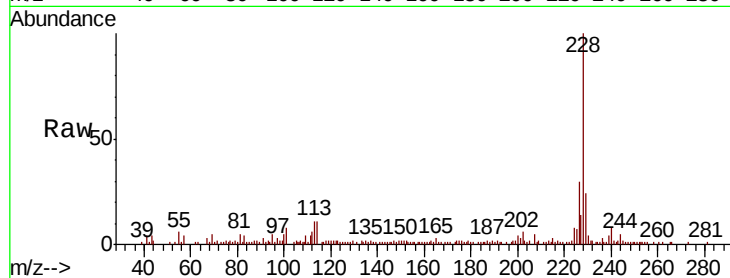
Instrument :
BNA_F
ClientSampleId :
PH-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	24.4	16.1	24.1

Manual Integrations
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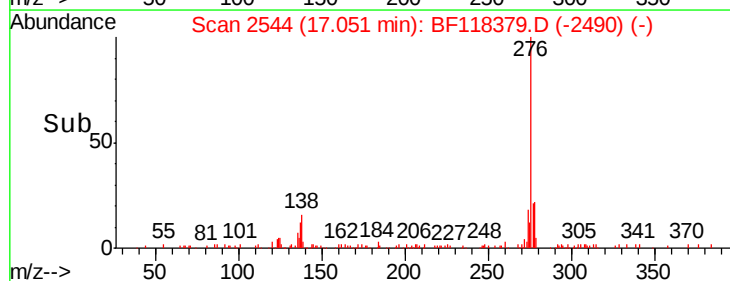
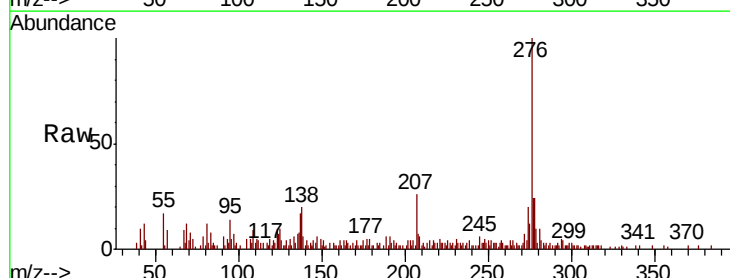
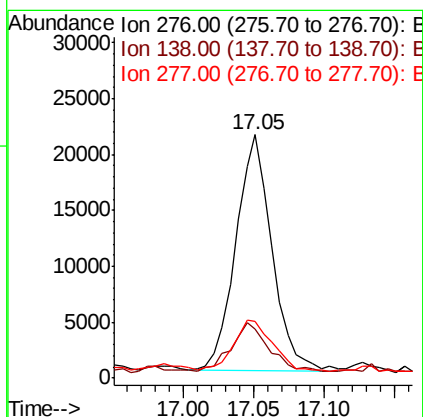
mohammad

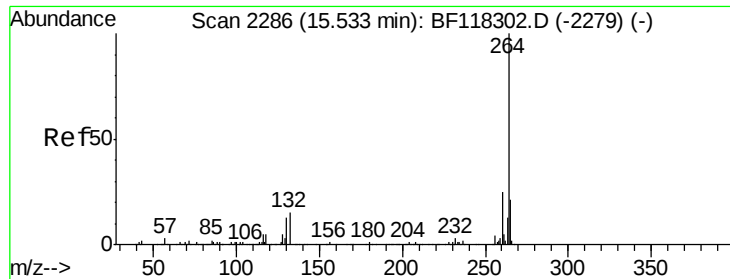
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.377 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.02 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	19.5	29.3
277	23.1	20.6	30.8





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

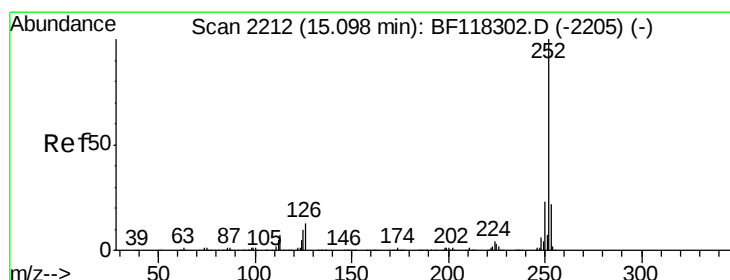
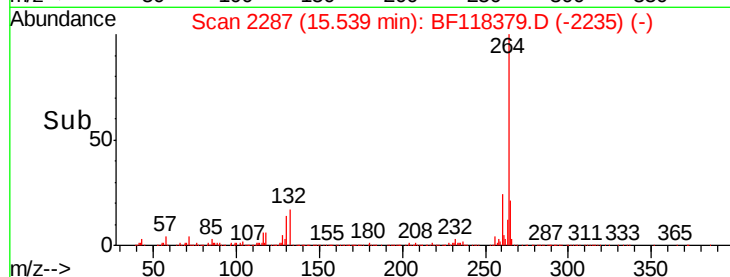
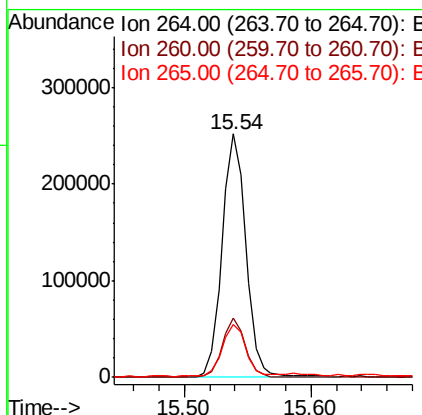
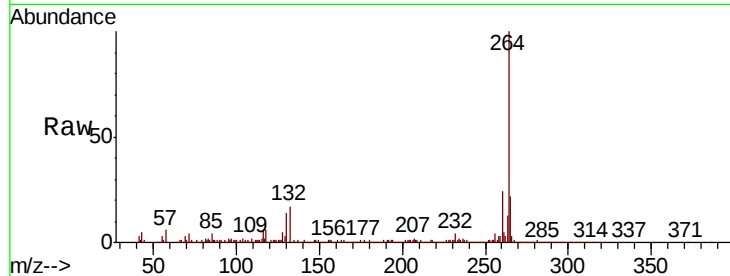
Instrument :
BNA_F
ClientSampleId :
PH-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.8	29.6
265	21.8	17.0	25.4

Manual Integrations
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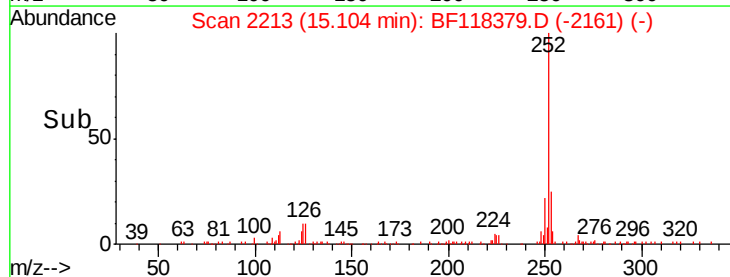
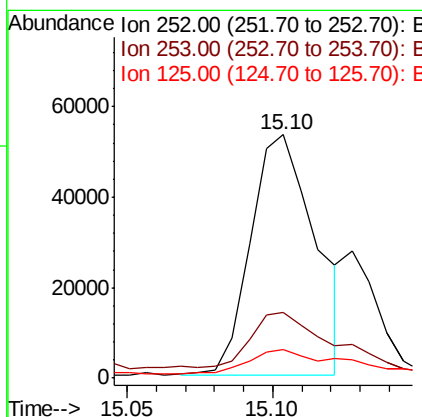
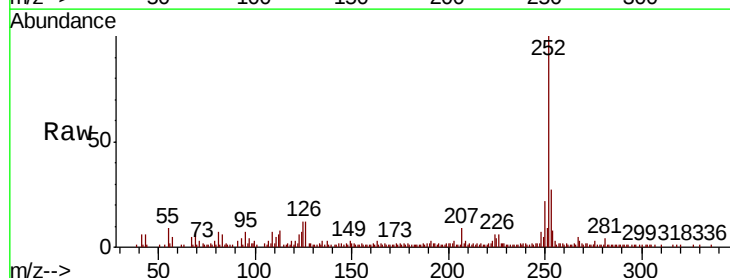
mohammad

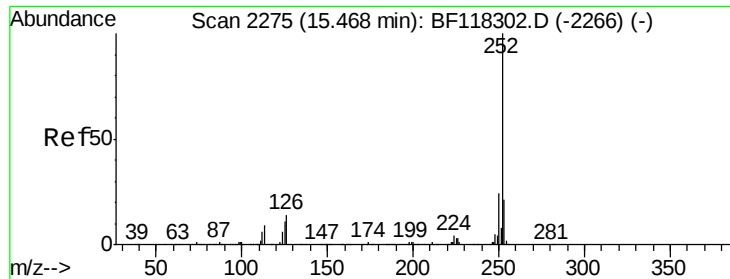
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#88
Benzo(b)fluoranthene
Concen: 3.822 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.5	26.3#
125	11.7	7.7	11.5#





#90
Benzo(a)pyrene
Concen: 3.526 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

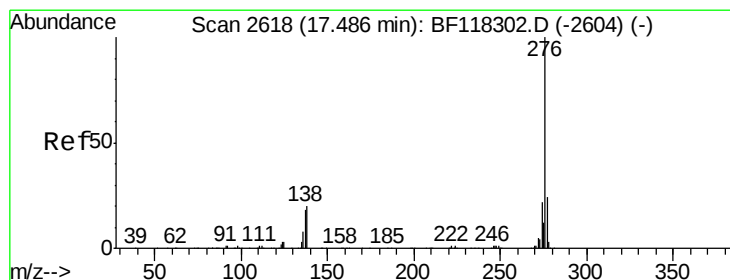
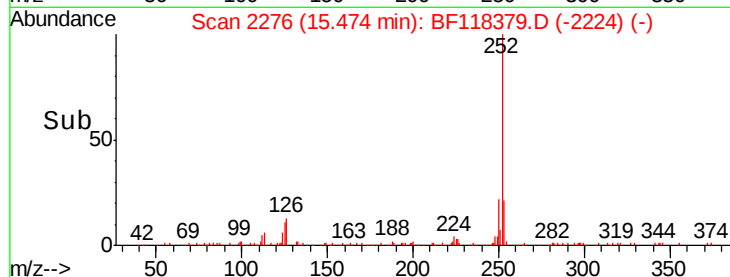
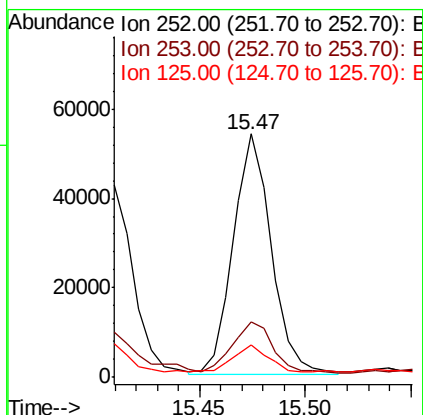
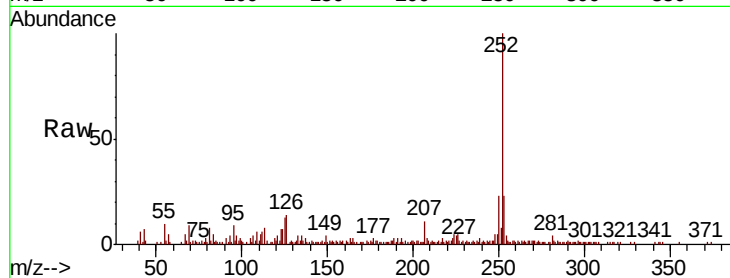
Instrument :
BNA_F
ClientSampled :
PH-3

Tot Ion:	252	Resp:	67309
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.0	25.6
125	13.3	9.0	13.4

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 2.460 ng
RT: 17.51 min Scan# 2622
Delta R.T. 0.02 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

Tgt Ion:	276	Resp:	39370
Ion Ratio	Lower	Upper	
276	100		
277	29.3	19.1	28.7#
138	28.9	16.1	24.1#

