

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
 Data File : BF118351.D
 Acq On : 27 Dec 2019 21:30
 Operator : JU
 Sample : K6117-10 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-122619

Manual Integrations
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Quant Time: Dec 28 02:46:47 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	149182	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	579144	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	284885	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	473855	20.00	ng	0.00
76) Chrysene-d12	14.05	240	374621	20.00	ng	0.00
87) Perylene-d12	15.54	264	350100	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	397170	45.45	ng	0.00
7) Phenol-d6	6.49	99	520799	48.04	ng	0.00
23) Nitrobenzene-d5	7.42	82	300297	29.66	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	141929	40.34	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	631660	33.85	ng	0.00
79) Terphenyl-d14	12.99	244	649669	28.77	ng	0.00
Target Compounds						
49) Acenaphthylene	9.76	152	131105	4.874	ng	99
50) Dimethylphthalate	9.61	163	43866	2.051	ng	99
71) Phenanthrene	11.42	178	333896	12.926	ng	99
72) Anthracene	11.47	178	117880	4.559	ng	99
75) Fluoranthene	12.62	202	645491	24.760	ng	98
78) Pyrene	12.85	202	730181	23.868	ng	99
81) Benzo(a)anthracene	14.04	228	370485	14.129	ng	98
83) Chrysene	14.08	228	360325	14.351	ng	98
86) Indeno(1,2,3-cd)pyrene	17.06	276	140419	6.563	ng	95
88) Benzo(b)fluoranthene	15.11	252	400497m	17.233	ng	
89) Benzo(k)fluoranthene	15.13	252	97135m	4.353	ng	
90) Benzo(a)pyrene	15.48	252	276732	13.517	ng	97
91) Dibenzo(a,h)anthracene	17.06	278	41220	2.320	ng	# 70
92) Benzo(g,h,i)perylene	17.52	276	144355	8.412	ng	99

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

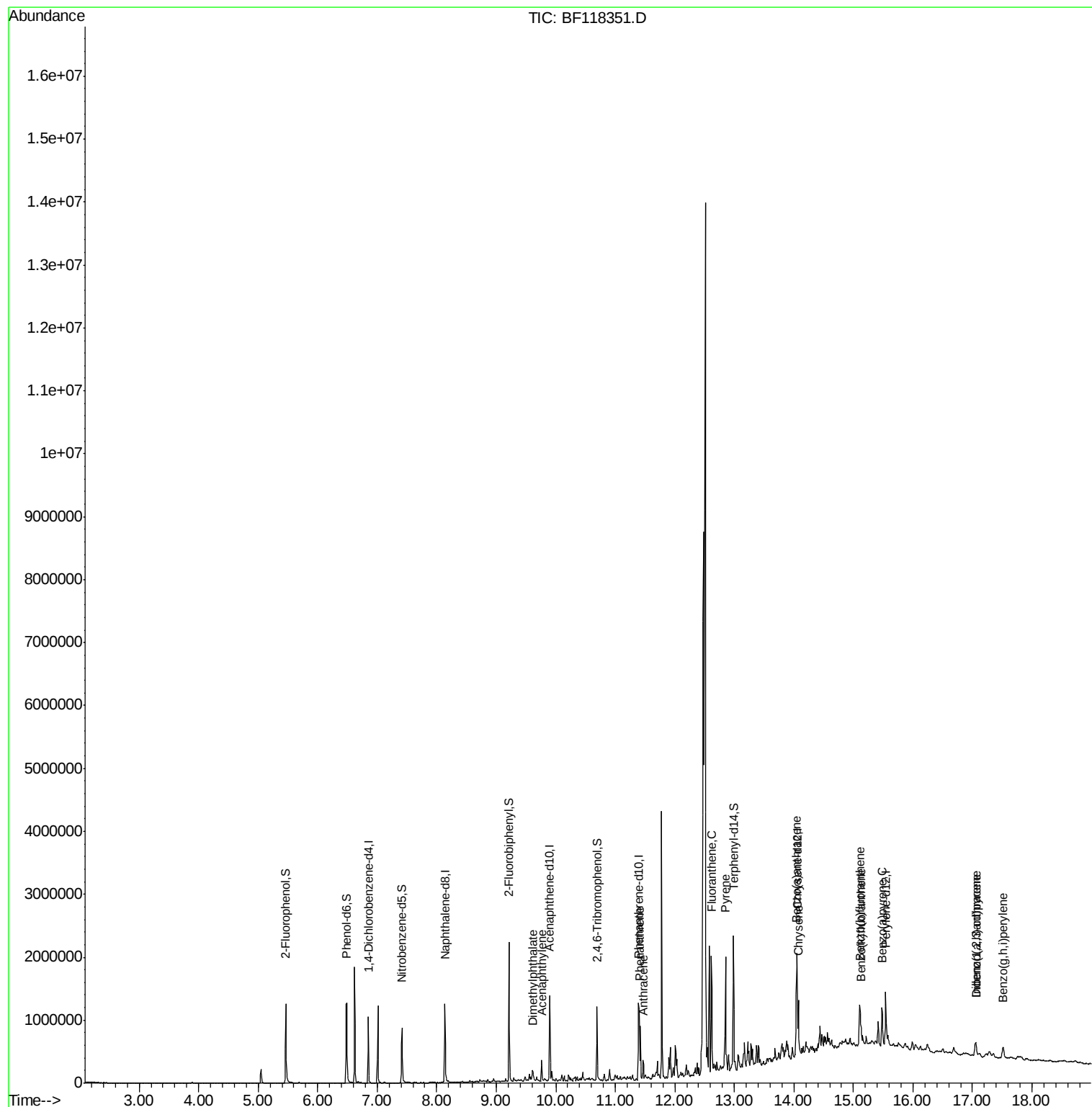
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118351.D
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Sample : K6117-10 2X
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ALS Vial : 19 Sample Multiplier: 1

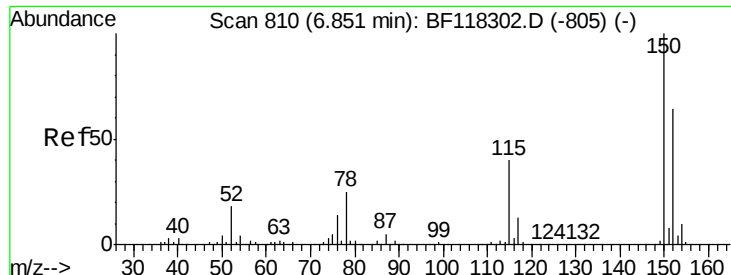
Instrument :
BNA_F
ClientSampleId :
TR-05-122619

Quant Time: Dec 28 02:46:47 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
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#1

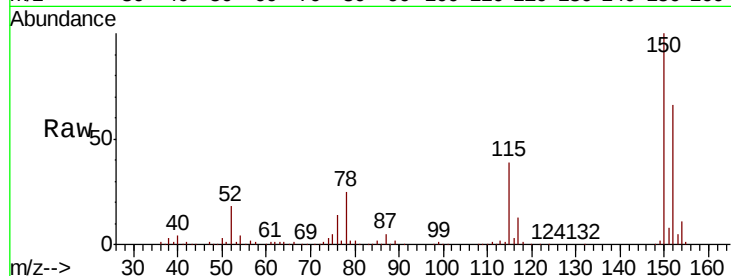
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Instrument :
BNA_F
ClientSampleId :
TR-05-122619

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.5	125.4	188.2
115	59.3	50.2	75.4

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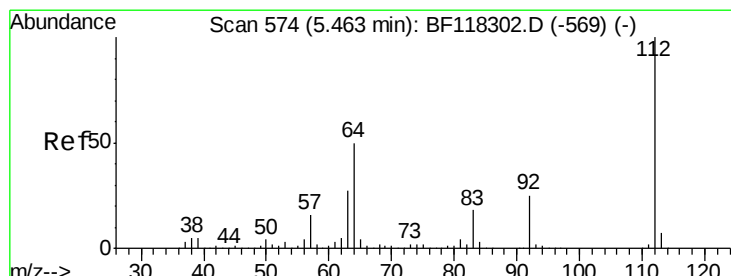
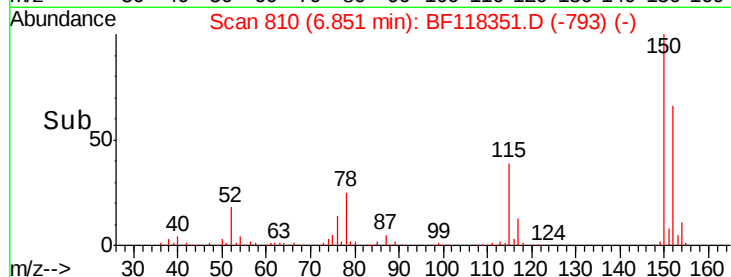
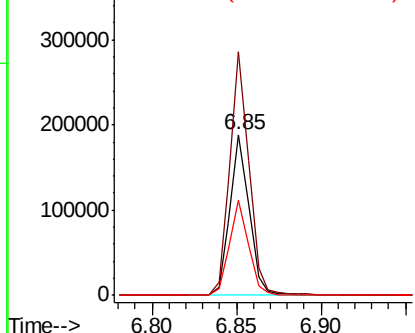


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

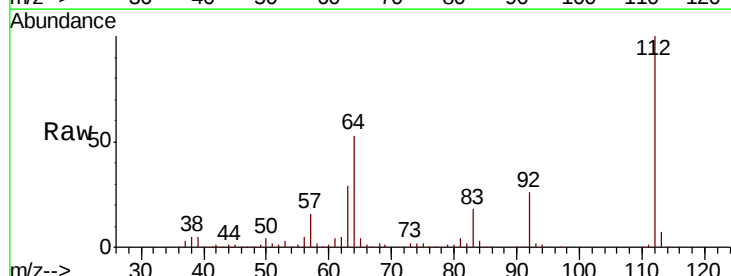
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.445 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	39.7	59.5
63	29.2	21.7	32.5

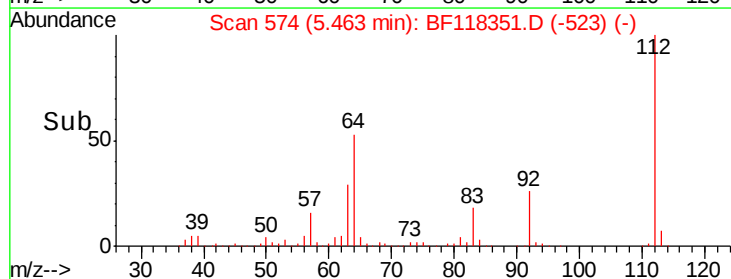
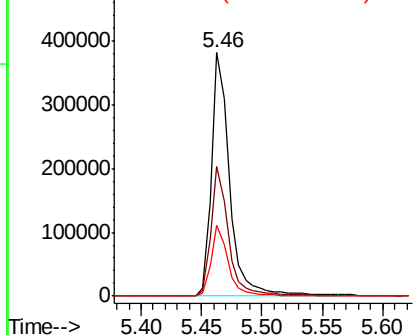


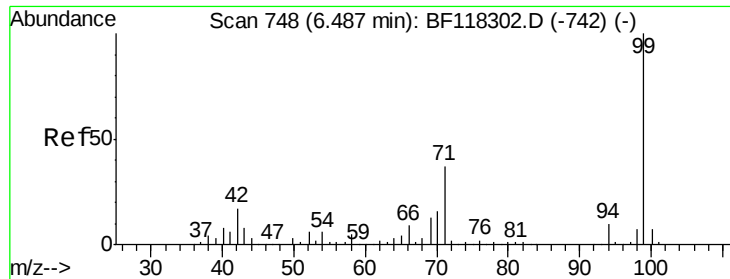
Abundance

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: 48.037 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

Instrument :

BNA_F

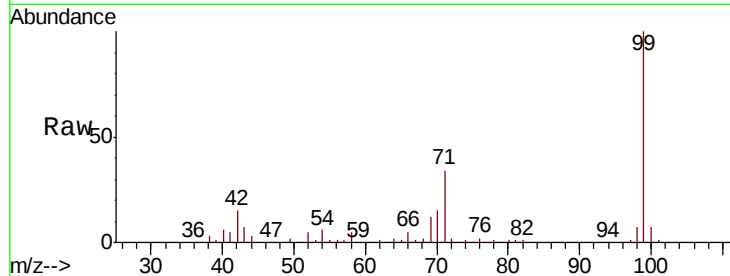
ClientSampleId :

TR-05-122619

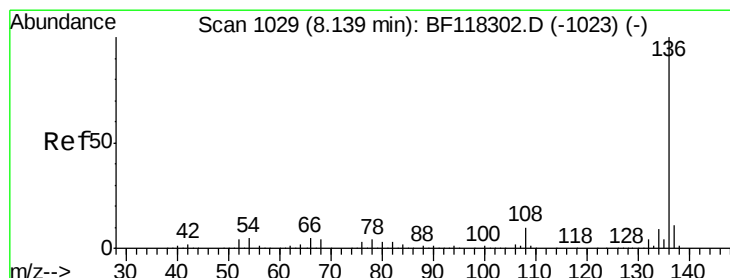
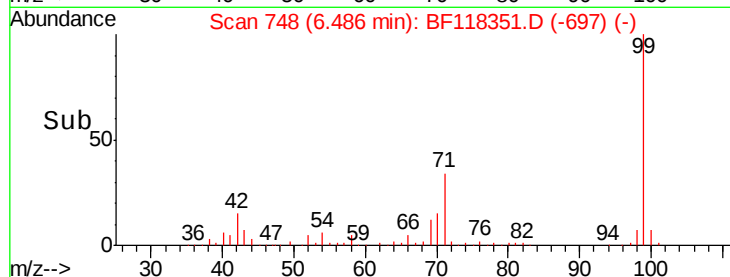
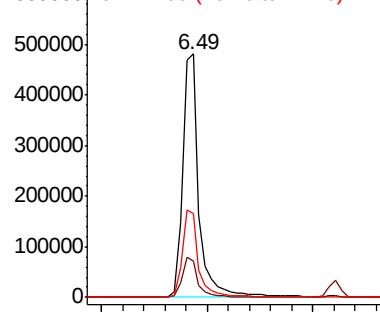
Tot Ion:	99	Resp:	520799
Ion	Ratio	Lower	Upper
99	100		
42	14.9	13.5	20.3
71	34.3	29.4	44.2

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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: 8.14 min Scan# 1029

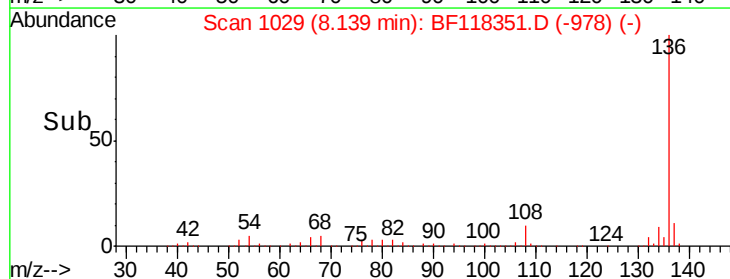
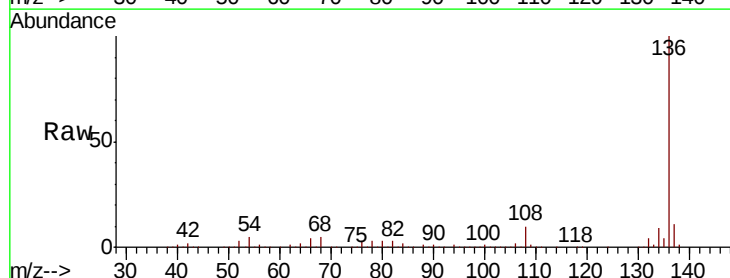
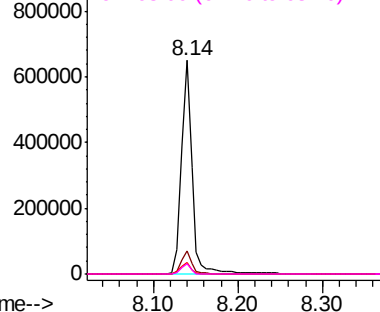
Delta R.T. -0.00 min

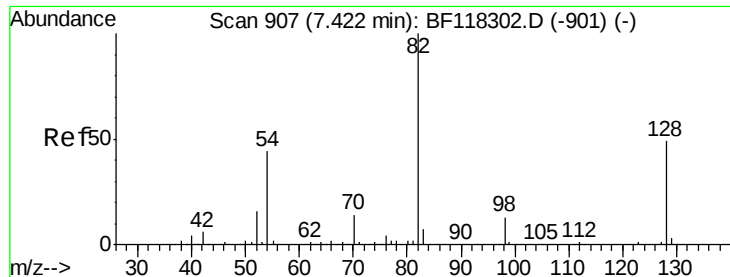
Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

Tgt Ion:	136	Resp:	579144
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	5.4	4.2	6.4
68	4.6	3.5	5.3

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





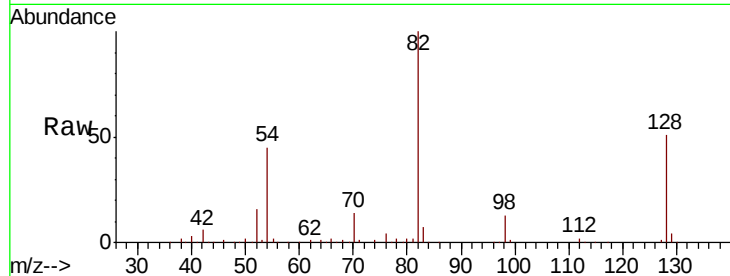
#23
Nitrobenzene-d5
Concen: 29.657 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Instrument :
BNA_F
ClientSampleId :
TR-05-122619

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.5	39.6	59.4
54	44.9	34.9	52.3

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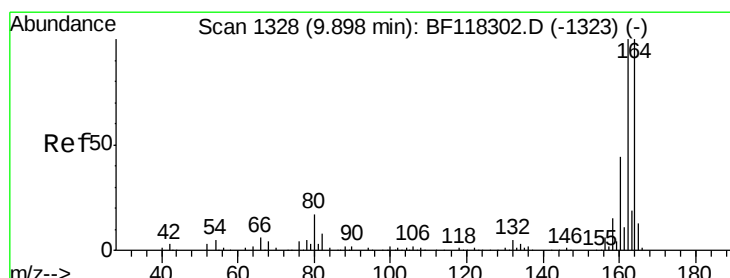
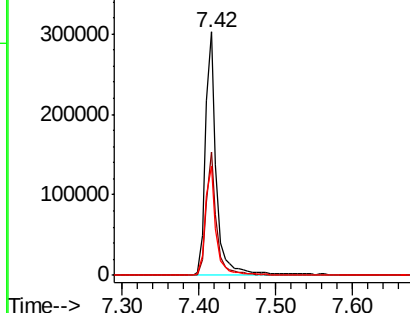
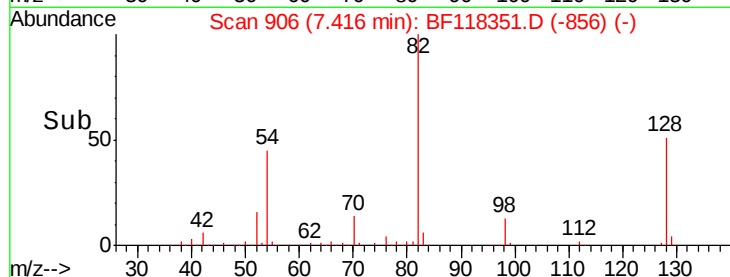


Abundance

Ion 82.00 (81.70 to 82.70): BF1

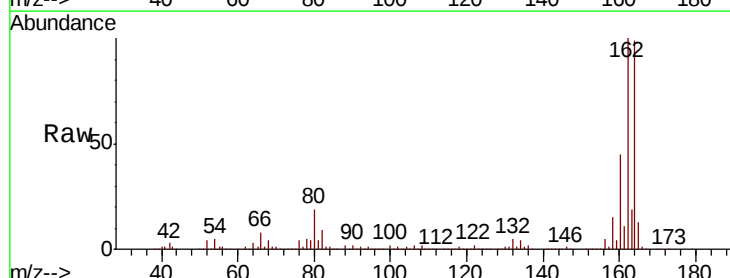
Ion 128.00 (127.70 to 128.70): E

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: BF118351.D
Acq: 27 Dec 2019 21:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.0	120.0
160	45.8	34.8	52.2

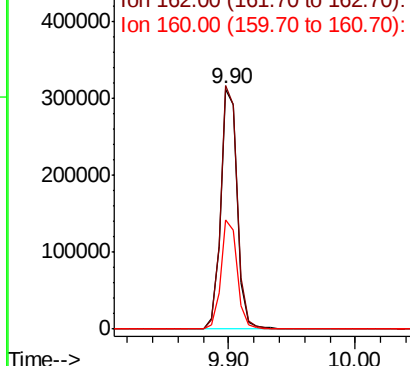
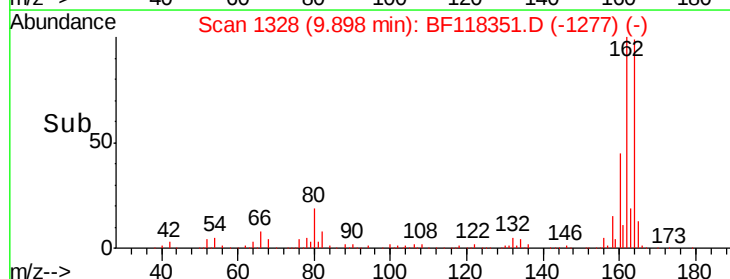


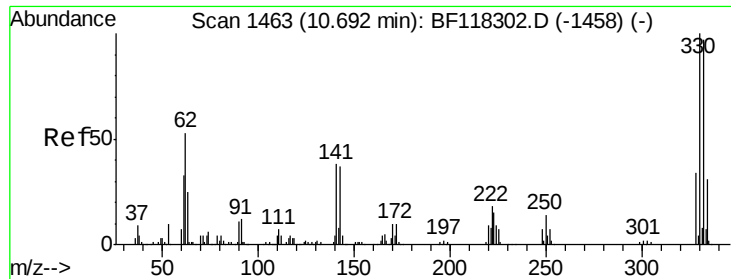
Abundance

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: 40.342 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.00 min

Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

Instrument :

BNA_F

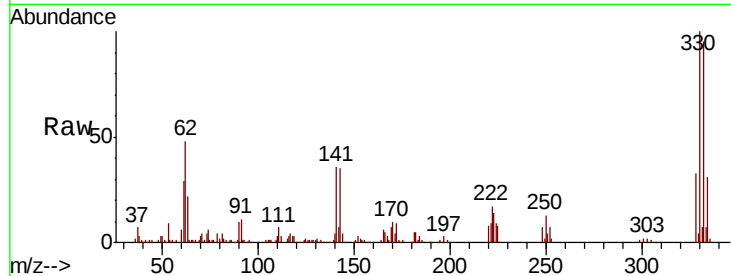
ClientSampleId :

TR-05-122619

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	114.8
141	34.0	26.0	39.0

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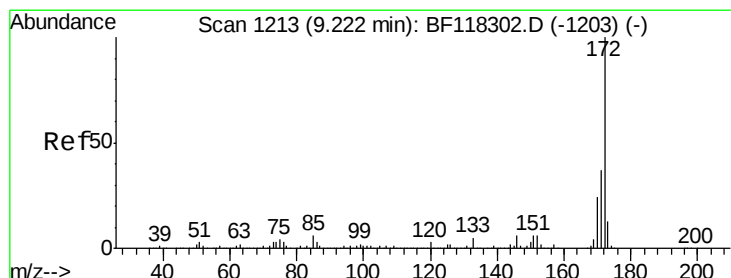
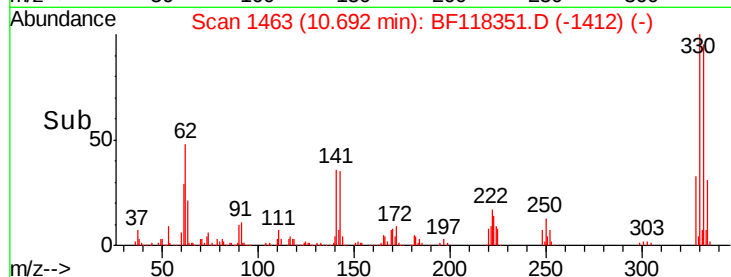
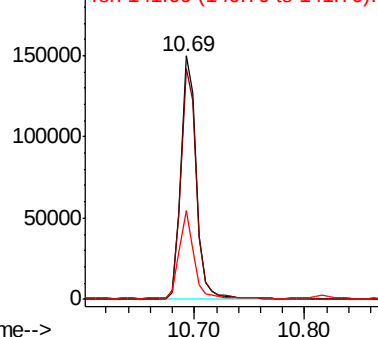


Abundance

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: 33.846 ng

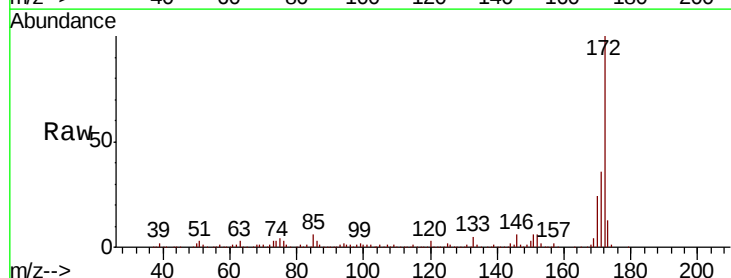
RT: 9.22 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.3	43.9
170	24.0	19.2	28.8

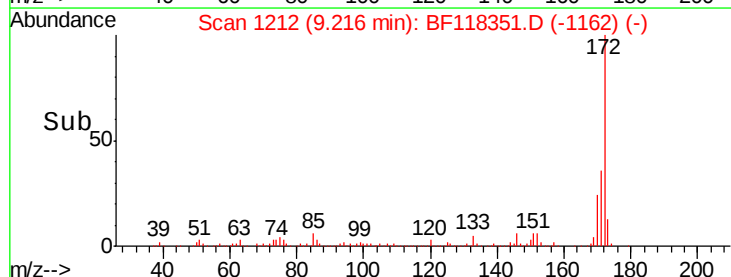
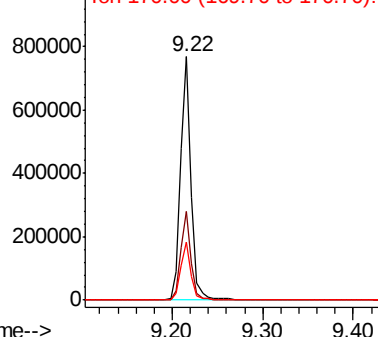


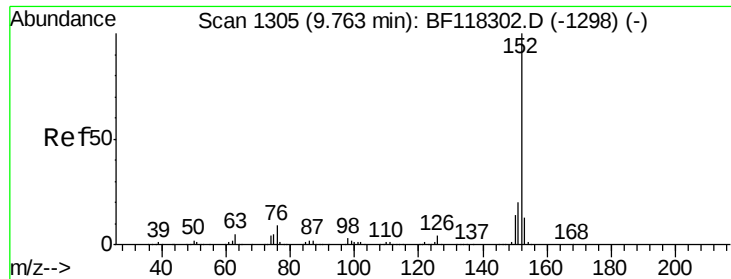
Abundance

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





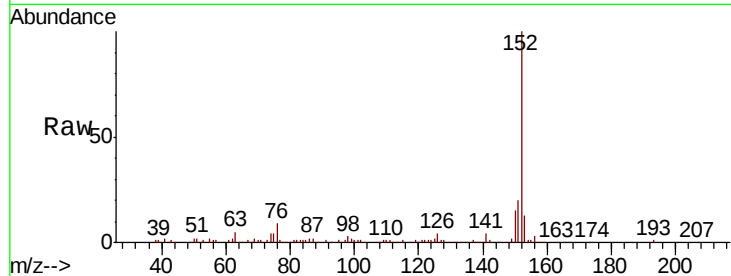
#49
Acenaphthylene
Concen: 4.874 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Instrument :
BNA_F
ClientSampleId :
TR-05-122619

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	13.0	10.5	15.7

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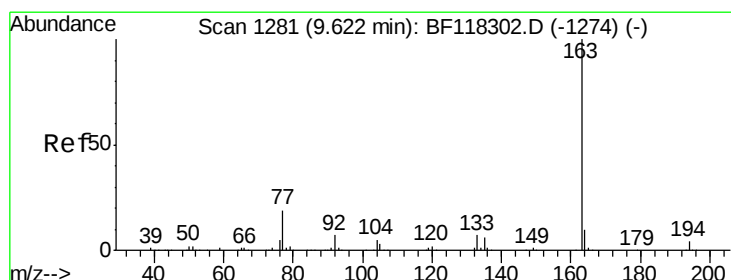
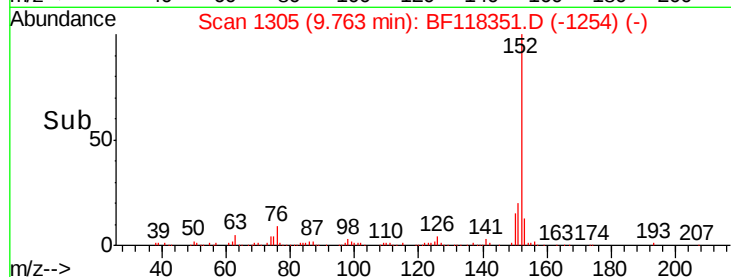
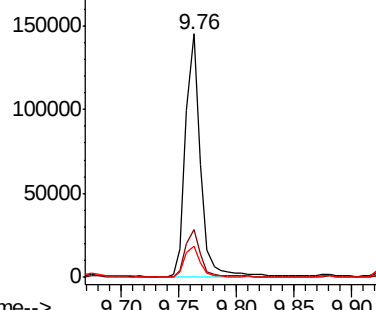


Abundance

Ion 152.00 (151.70 to 152.70): E

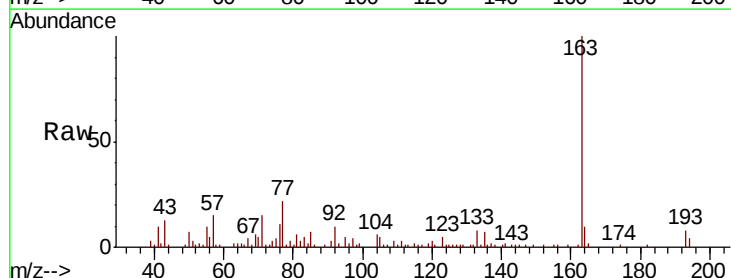
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50
Dimethylphthalate
Concen: 2.051 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.3	7.9	11.9

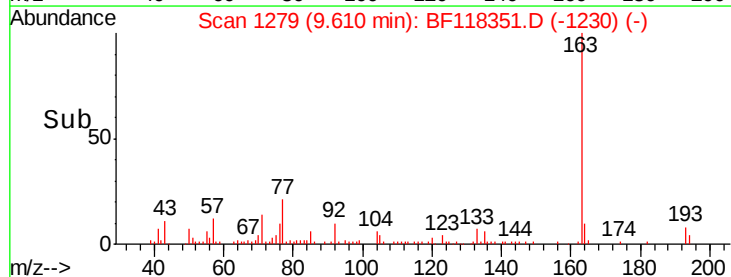
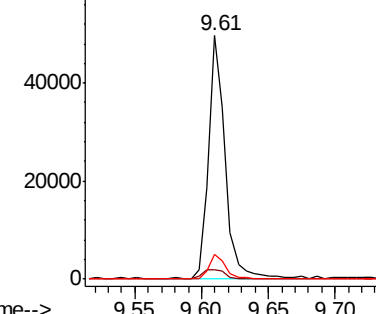


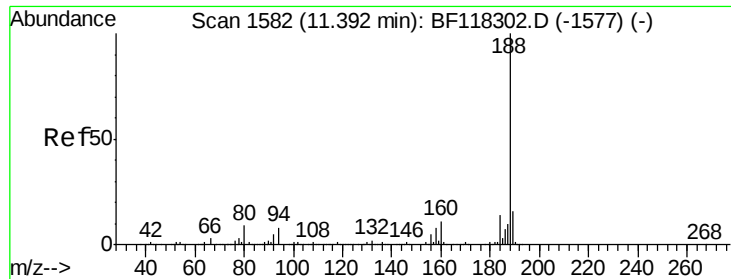
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





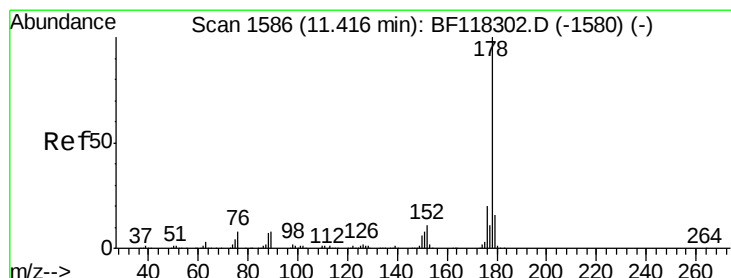
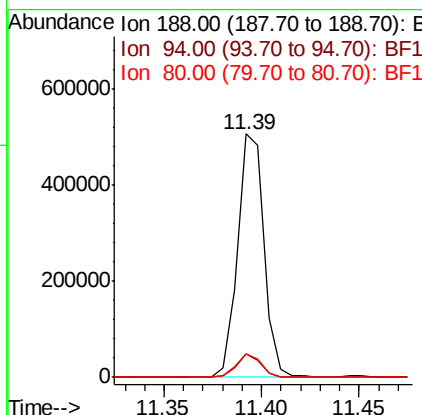
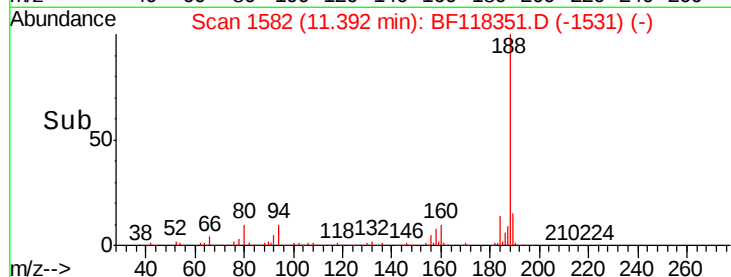
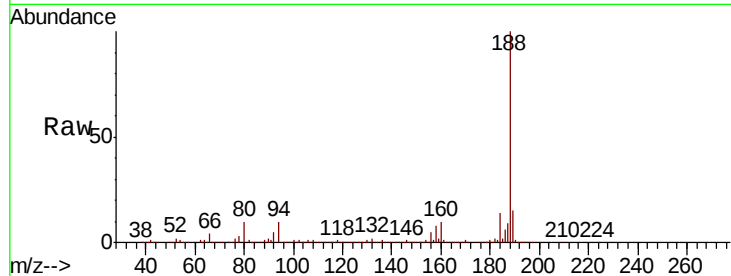
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Instrument :
BNA_F
ClientSampleId :
TR-05-122619

Tot Ion	Ratio	Resp	Lower	Upper
188	100	473855		
94	9.6		6.7	10.1
80	9.6		7.2	10.8

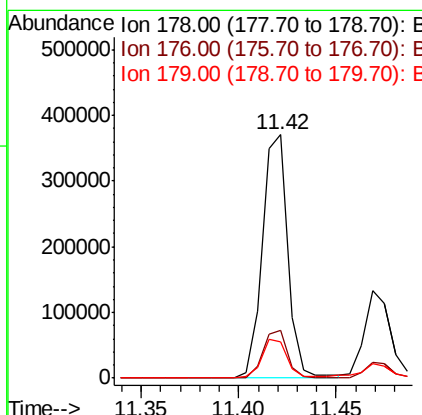
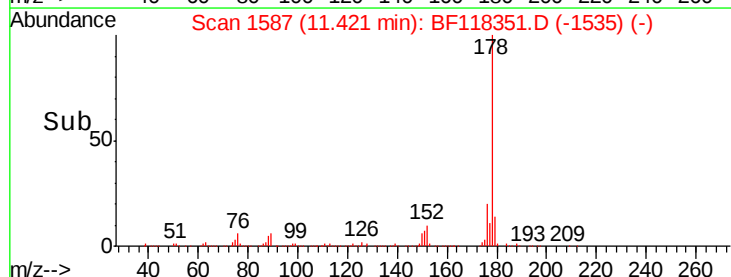
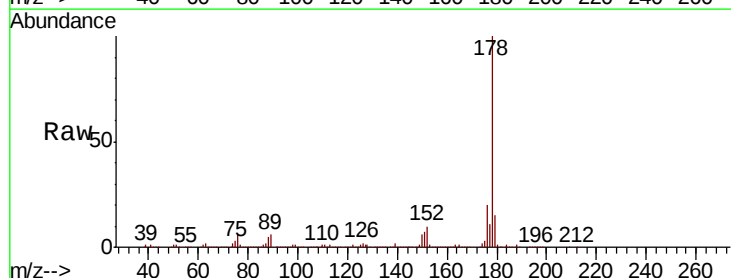
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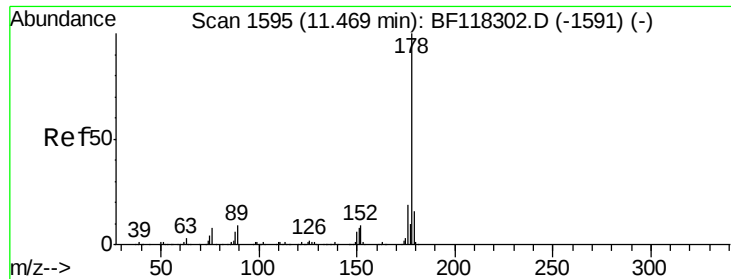
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#71
Phenanthrene
Concen: 12.926 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	333896		
176	19.7		15.6	23.4
179	15.0		12.6	19.0





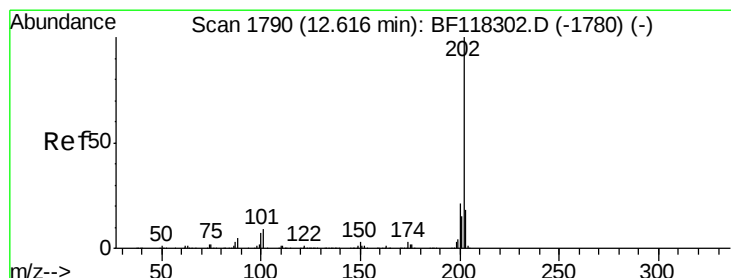
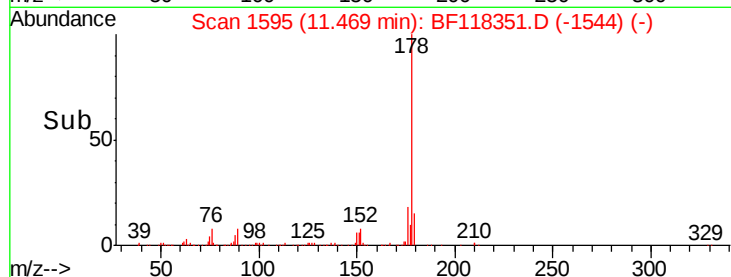
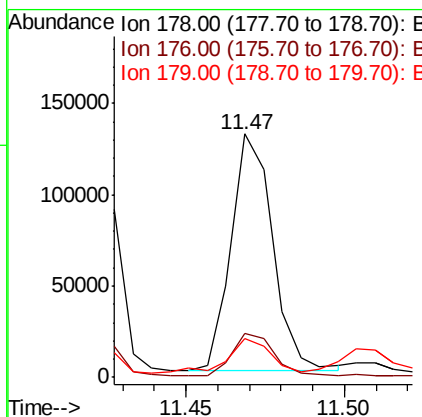
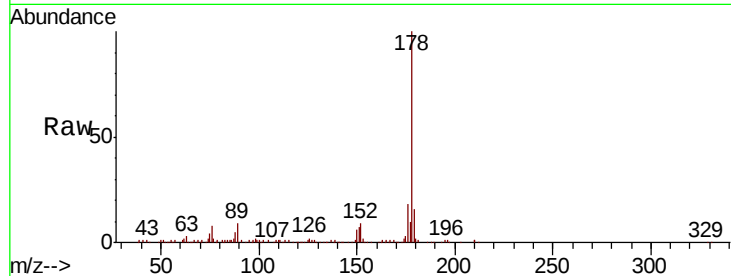
#72
 Anthracene
 Concen: 4.559 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: BF118351.D
 Acq: 27 Dec 2019 21:30

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-122619

Tot Ion	Ratio	Resp	Lower	Upper
178	100	117880		
176	17.9		15.2	22.8
179	16.0		12.9	19.3

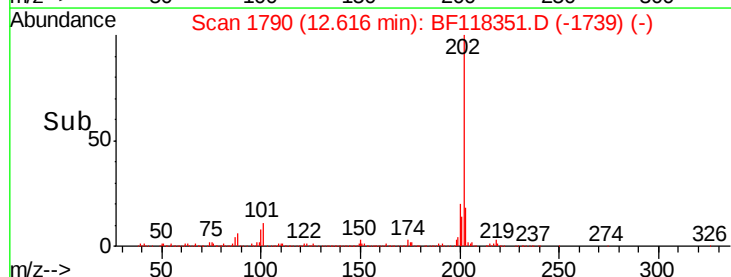
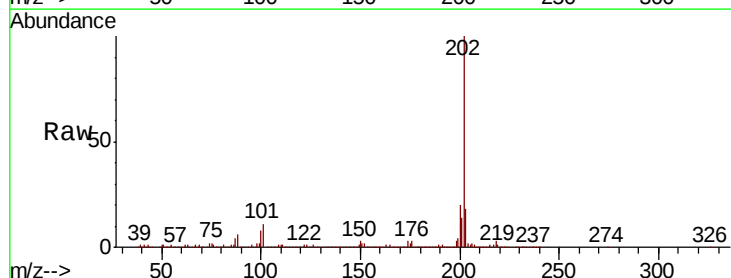
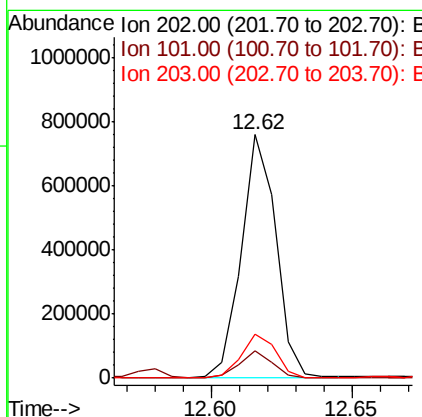
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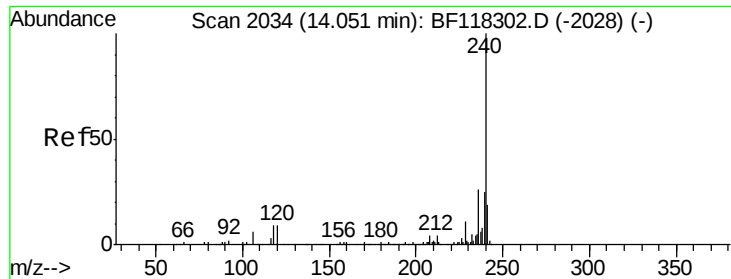
mohammad
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#75
 Fluoranthene
 Concen: 24.760 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: BF118351.D
 Acq: 27 Dec 2019 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	645491		
101	11.2		0.0	29.5
203	18.0		0.0	37.6





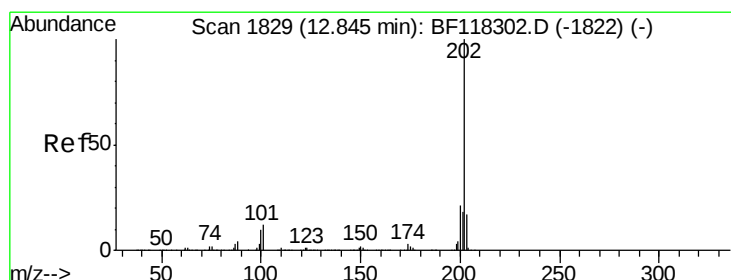
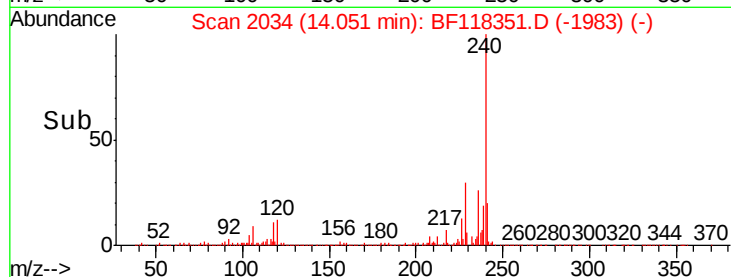
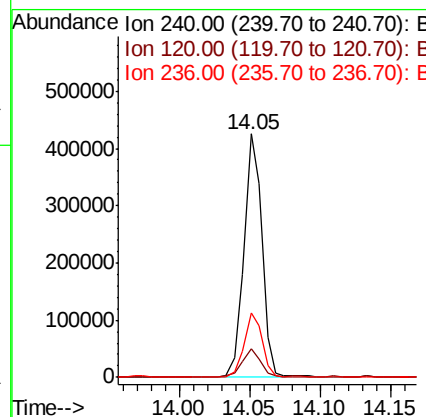
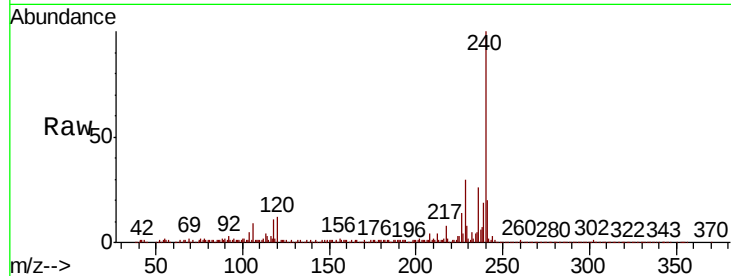
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Instrument :
BNA_F
ClientSampleId :
TR-05-122619

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.8	7.1	10.7#
236	26.2	21.0	31.6

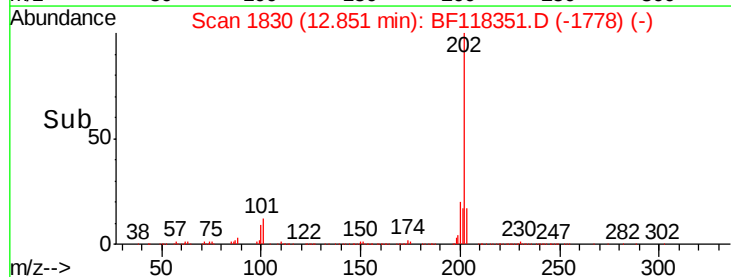
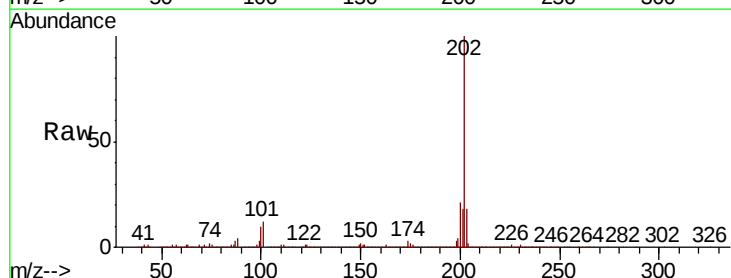
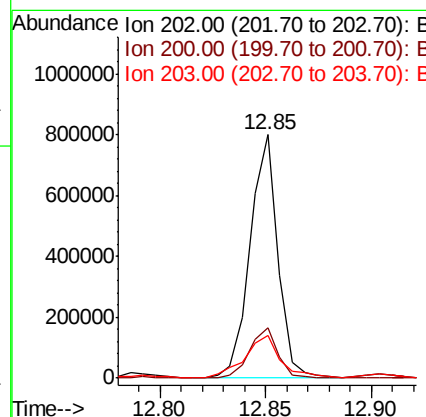
Manual Integrations
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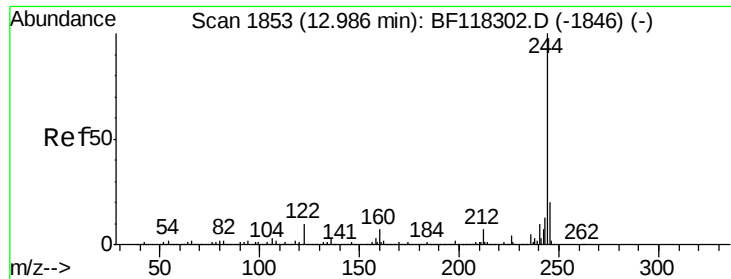
mohammad
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#78
Pyrene
Concen: 23.868 ng
RT: 12.85 min Scan# 1830
Delta R.T. 0.01 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.8	25.2
203	17.5	13.9	20.9





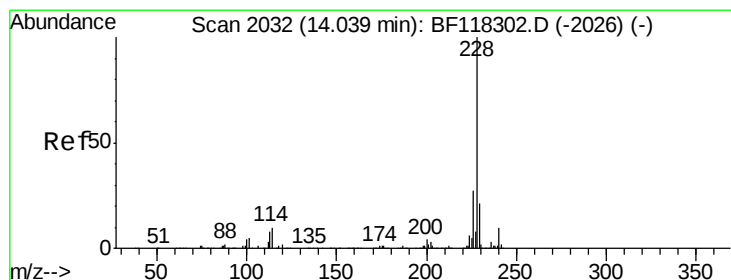
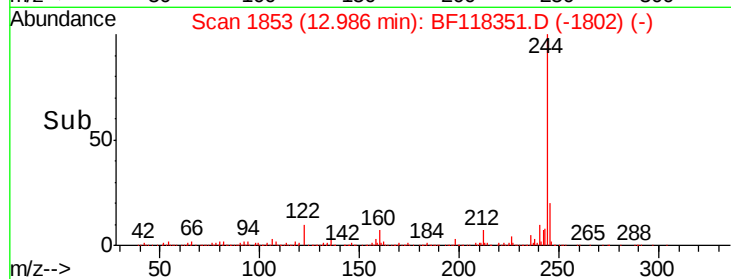
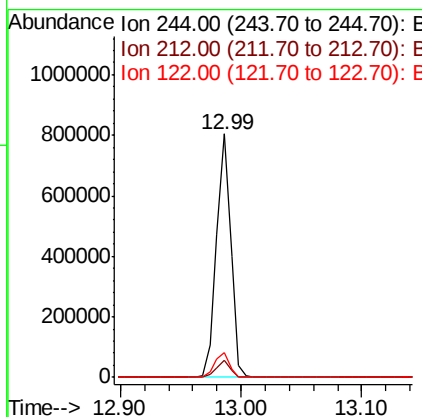
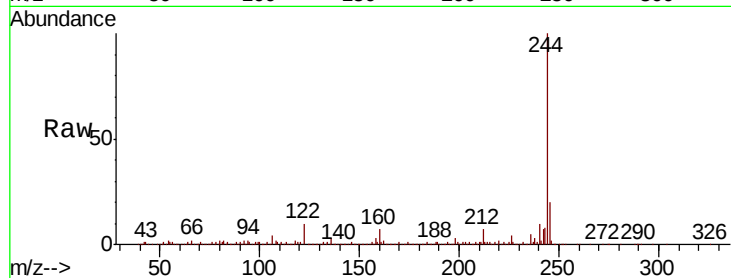
#79
 Terphenyl-d14
 Concen: 28.771 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: BF118351.D
 Acq: 27 Dec 2019 21:30

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-122619

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	10.2	7.8	11.8

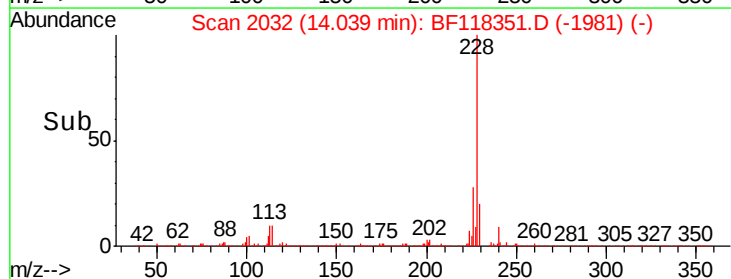
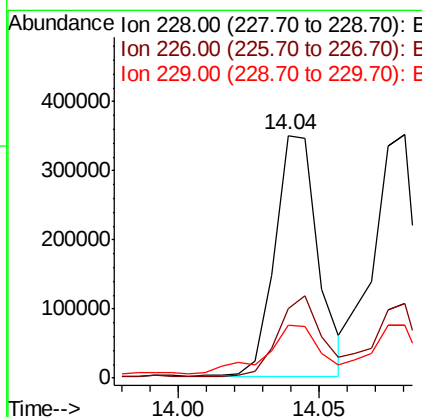
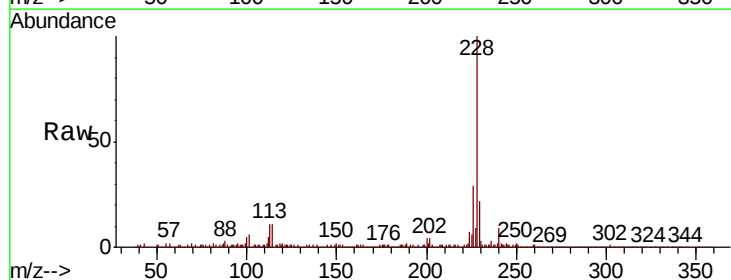
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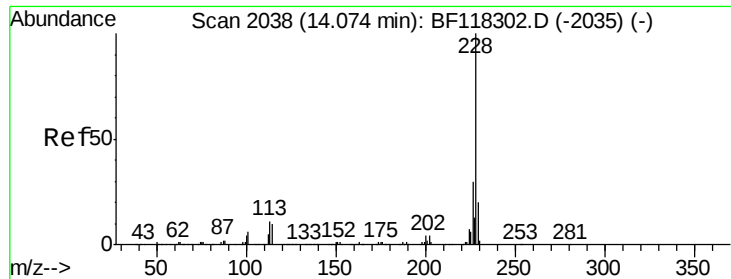
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#81
 Benzo(a)anthracene
 Concen: 14.129 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.00 min
 Lab File: BF118351.D
 Acq: 27 Dec 2019 21:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.0	33.0
229	21.8	16.6	24.8





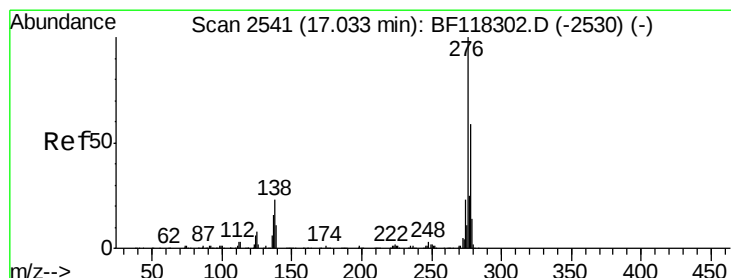
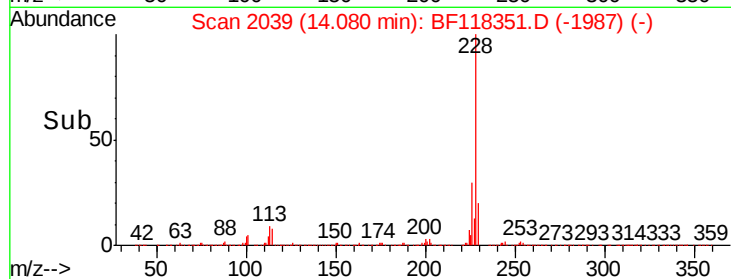
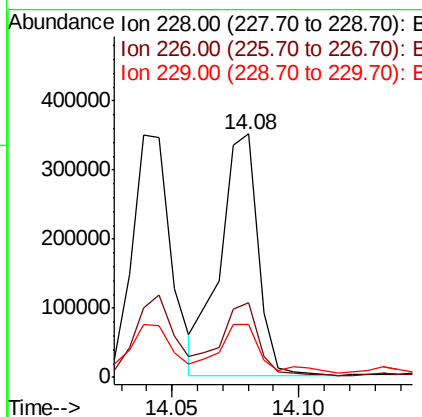
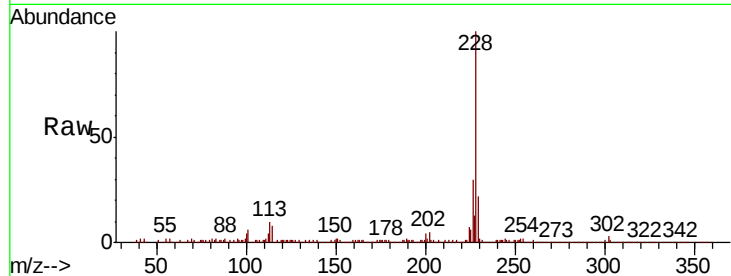
#83
Chrysene
Concen: 14.351 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.01 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Instrument :
BNA_F
ClientSampleId :
TR-05-122619

Tot Ion:	228	Resp:	360325
Ion Ratio	Lower	Upper	
228	100		
226	30.4	23.9	35.9
229	21.6	16.1	24.1

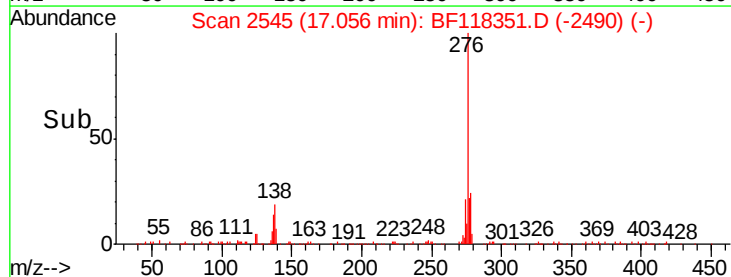
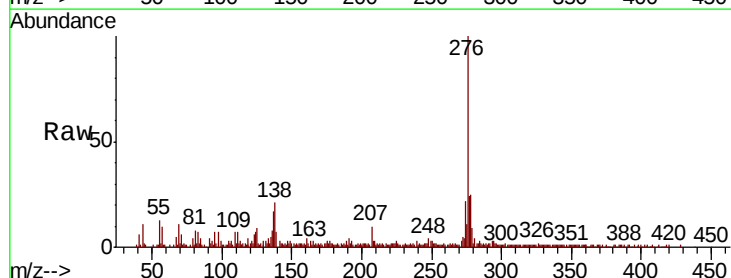
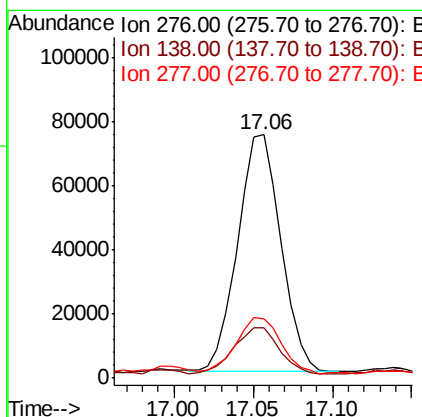
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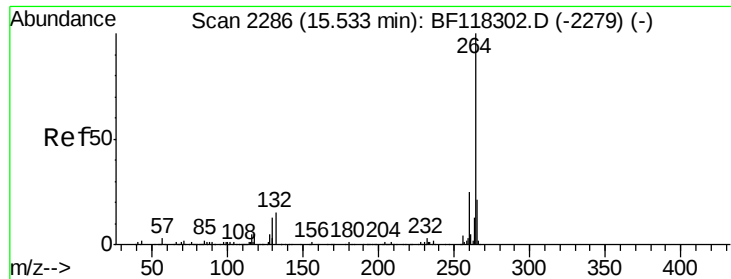
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.563 ng
RT: 17.06 min Scan# 2545
Delta R.T. 0.02 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Tgt Ion:	276	Resp:	140419
Ion Ratio	Lower	Upper	
276	100		
138	20.9	19.5	29.3
277	24.5	20.6	30.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.01 min

Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

Instrument :

BNA_F

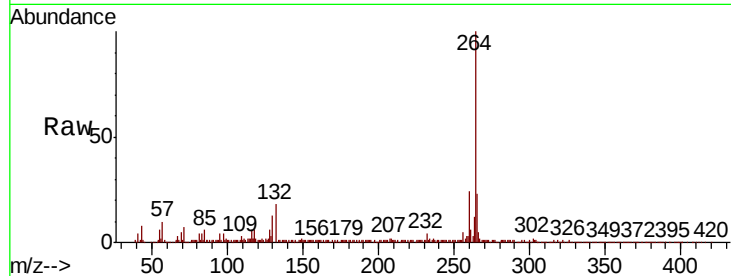
ClientSampleId :

TR-05-122619

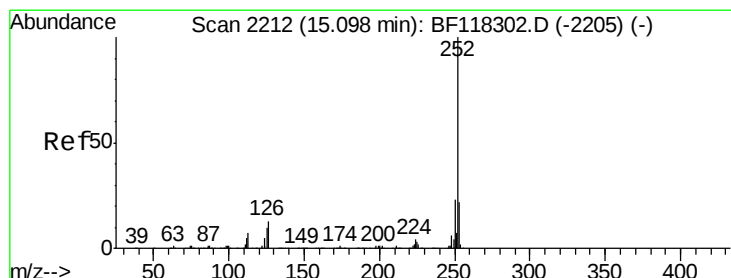
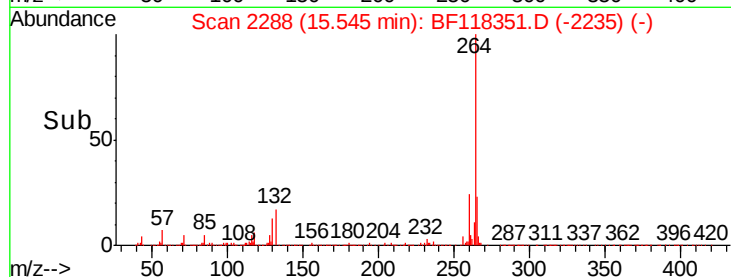
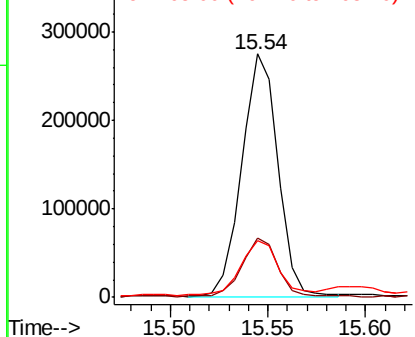
Tot Ion:	264	Resp:	350100
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.8	29.6
265	23.5	17.0	25.4

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



#88

Benzo(b)fluoranthene

Concen: 17.233 ng m

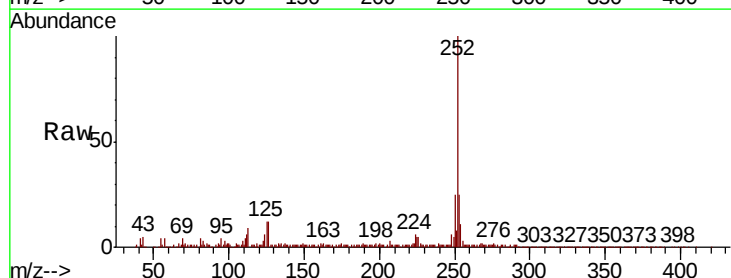
RT: 15.11 min Scan# 2214

Delta R.T. 0.01 min

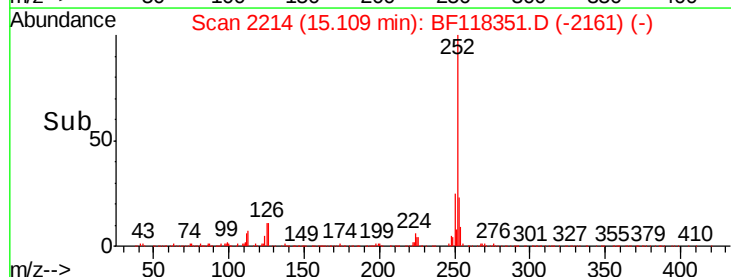
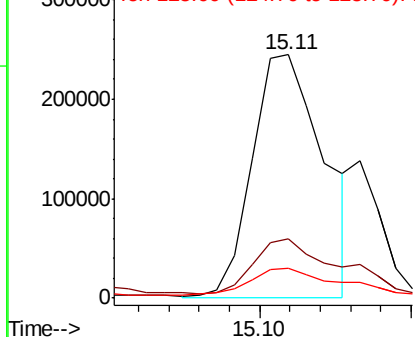
Lab File: BF118351.D

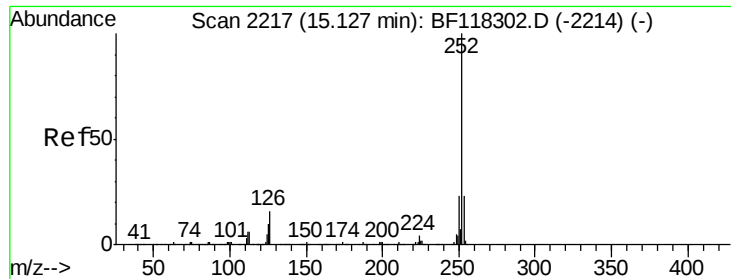
Acq: 27 Dec 2019 21:30

Tgt Ion:	252	Resp:	400497
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.5	26.3
125	12.4	7.7	11.5#



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: 4.353 ng m

RT: 15.13 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

Instrument :

BNA_F

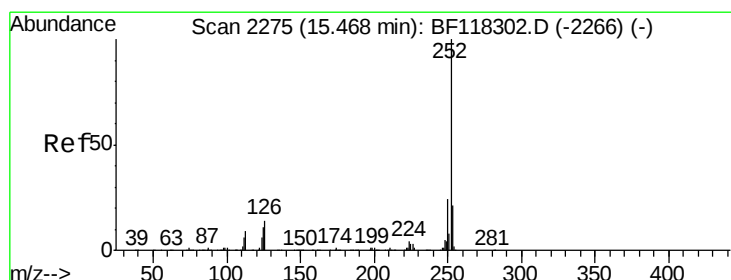
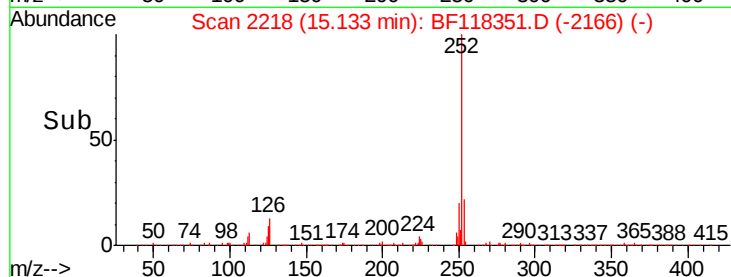
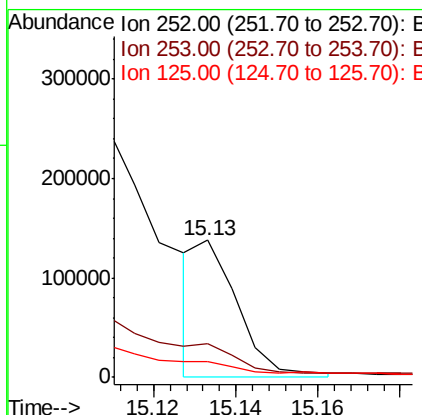
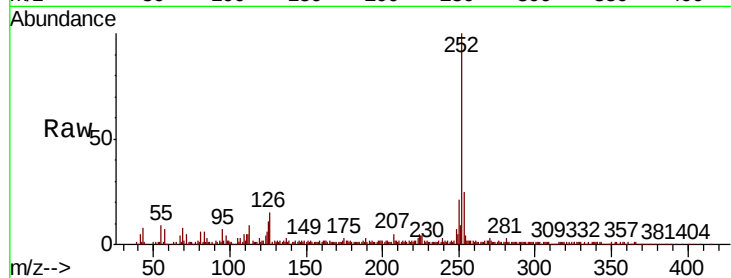
ClientSampleId :

TR-05-122619

Tot Ion:	252	Resp:	97135
Ion Ratio	Lower	Upper	
252	100		
253	25.0	18.0	27.0
125	11.4	8.0	12.0

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#90

Benzo(a)pyrene

Concen: 13.517 ng

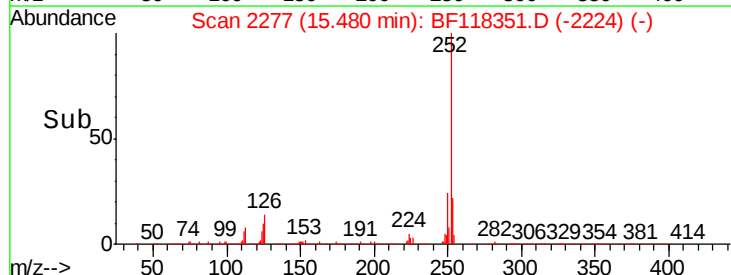
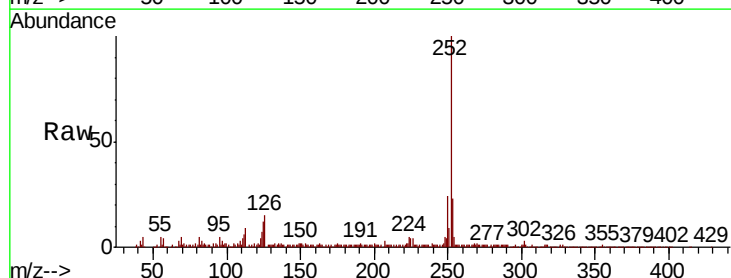
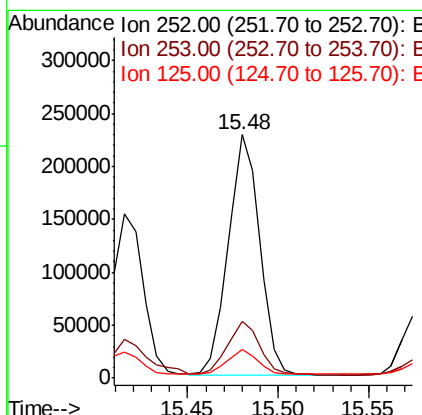
RT: 15.48 min Scan# 2277

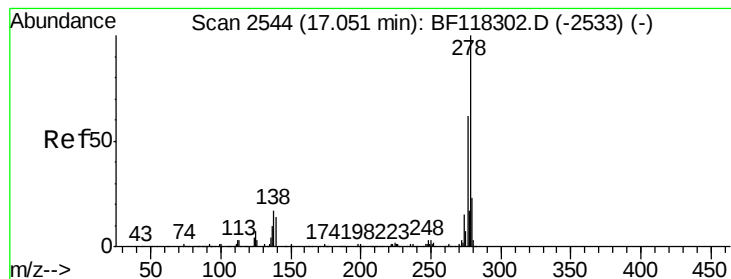
Delta R.T. 0.01 min

Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

Tgt Ion:	252	Resp:	276732
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.0	25.6
125	11.7	9.0	13.4





#91

Dibenzo(a,h)anthracene

Concen: 2.320 ng

RT: 17.06 min Scan# 2545

Delta R.T. 0.01 min

Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

Instrument :

BNA_F

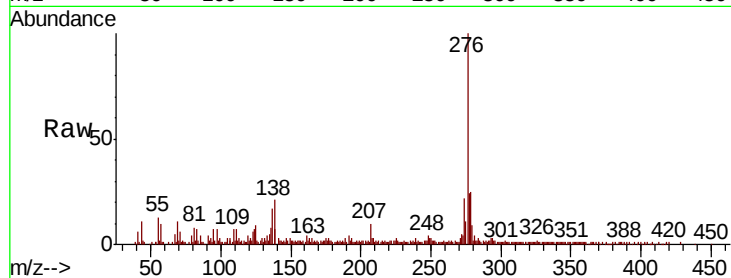
ClientSampleId :

TR-05-122619

Tot Ion:	278	Resp:	41220
Ion	Ratio	Lower	Upper
278	100		
139	27.4	11.5	17.3#
279	37.0	18.3	27.5#

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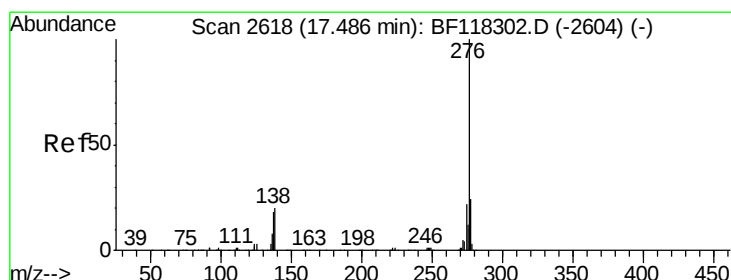
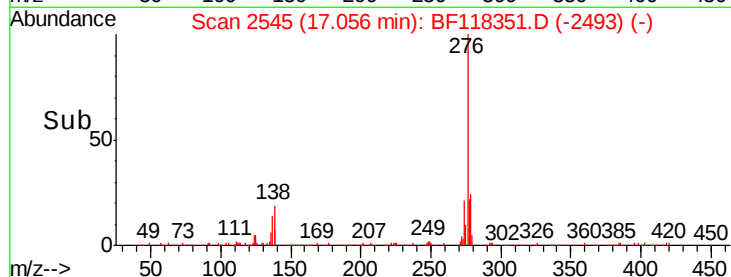
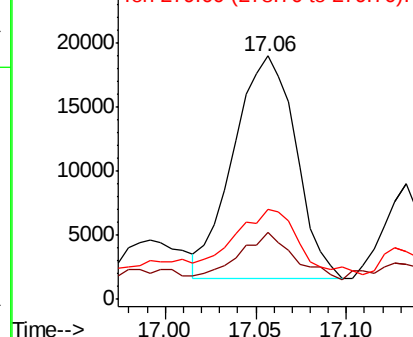


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 8.412 ng

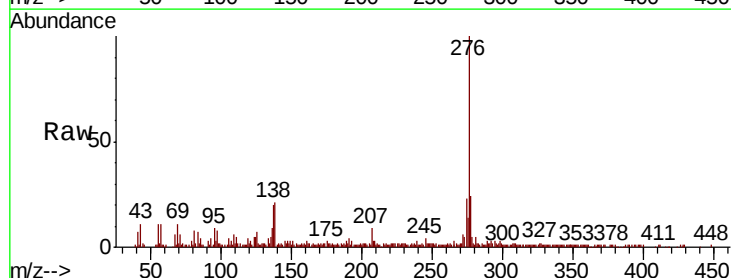
RT: 17.52 min Scan# 2623

Delta R.T. 0.03 min

Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

Tgt Ion:	276	Resp:	144355
Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	21.1	16.1	24.1



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

