

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
 Data File : BF118327.D
 Acq On : 26 Dec 2019 20:15
 Operator : JU
 Sample : K6395-02 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

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Quant Time: Dec 27 05:46:53 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	123830	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	491658	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	257187	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	425105	20.00	ng	0.00
76) Chrysene-d12	14.04	240	303185	20.00	ng	0.00
87) Perylene-d12	15.54	264	320623	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	373110	51.43	ng	0.00
7) Phenol-d6	6.48	99	476216	52.92	ng	0.00
23) Nitrobenzene-d5	7.41	82	279938	32.57	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	133987	42.19	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	579142	34.37	ng	0.00
79) Terphenyl-d14	12.98	244	545875	29.87	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Acenaphthylene	9.76	152	62120	2.558	ng	97
50) Dimethylphthalate	9.61	163	65494	3.393	ng	98
58) Fluorene	10.45	166	45048	2.554	ng	95
71) Phenanthrene	11.42	178	676103	29.174	ng	99
72) Anthracene	11.47	178	128888	5.556	ng	97
75) Fluoranthene	12.61	202	747199	31.948	ng	97
78) Pyrene	12.84	202	888407	35.883	ng	99
81) Benzo(a)anthracene	14.04	228	536732m	25.291	ng	
83) Chrysene	14.07	228	535191	26.337	ng	98
86) Indeno(1,2,3-cd)pyrene	17.05	276	645777	37.297	ng	95
88) Benzo(b)fluoranthene	15.10	252	1047961m	49.240	ng	
89) Benzo(k)fluoranthene	15.13	252	299942m	14.678	ng	
90) Benzo(a)pyrene	15.48	252	1008023	53.765	ng	98
91) Dibenzo(a,h)anthracene	17.05	278	146325m	8.994	ng	
92) Benzo(a,h,i)perylene	17.51	276	746901	47.524	ng	99

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

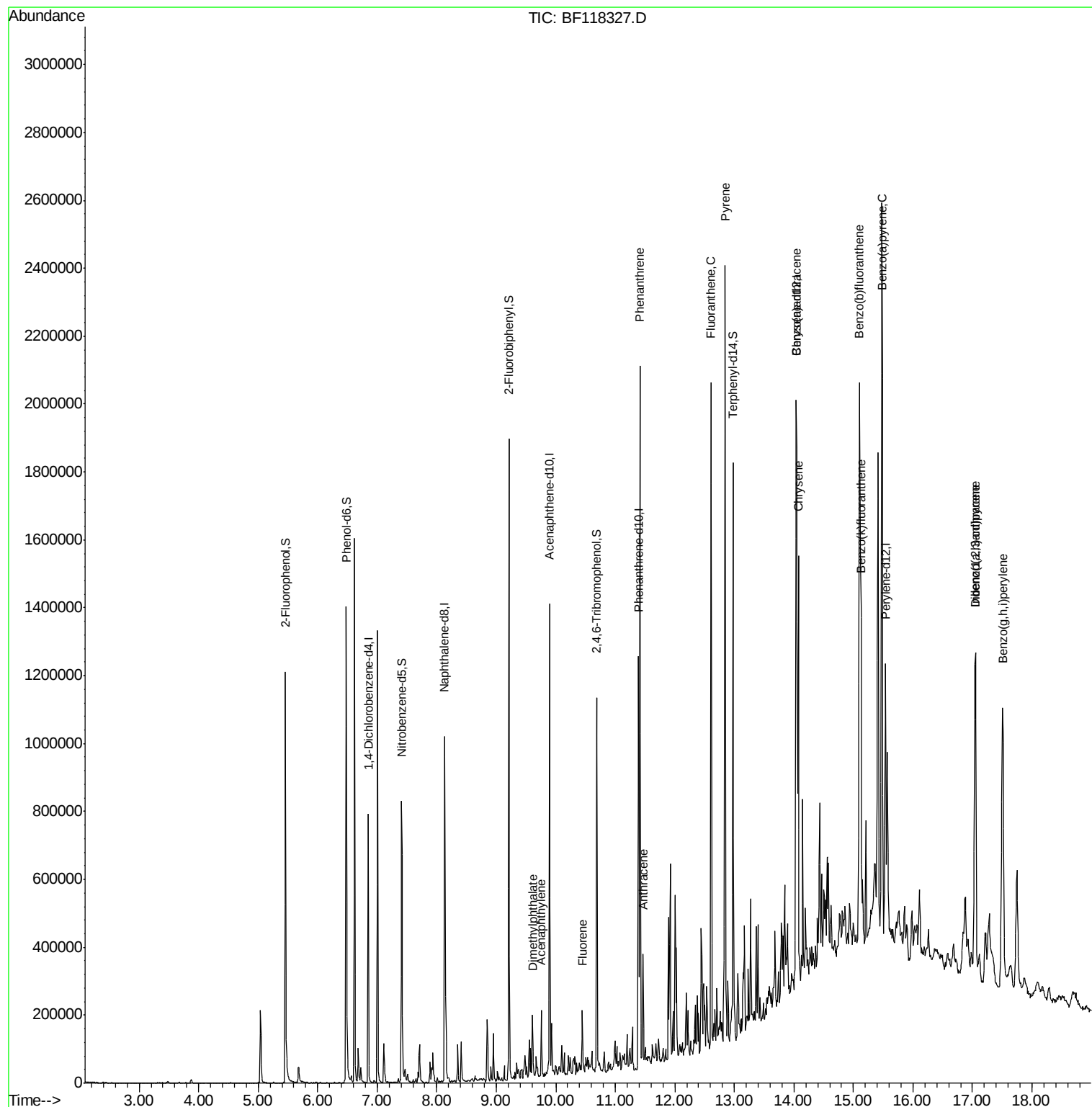
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
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ALS Vial : 20 Sample Multiplier: 1

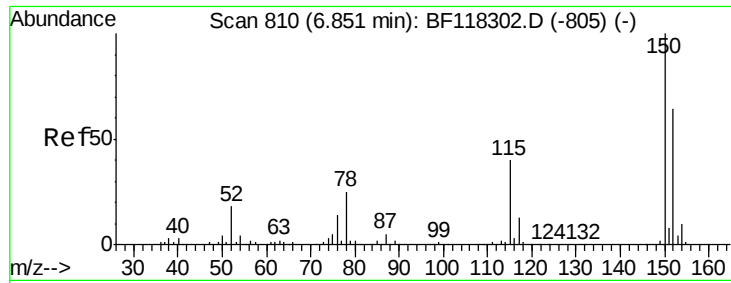
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#1

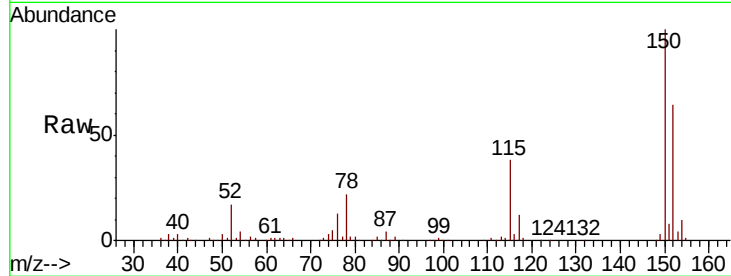
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118327.D
Acq: 26 Dec 2019 20:15

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.4	188.2
115	58.4	50.2	75.4

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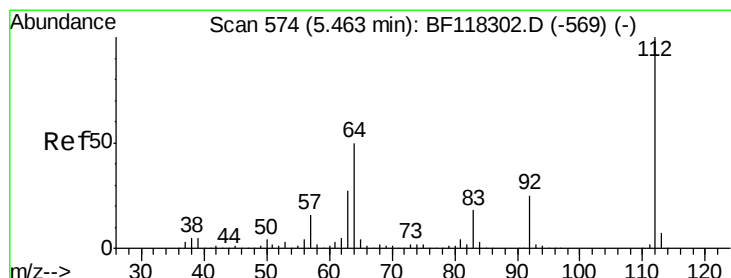
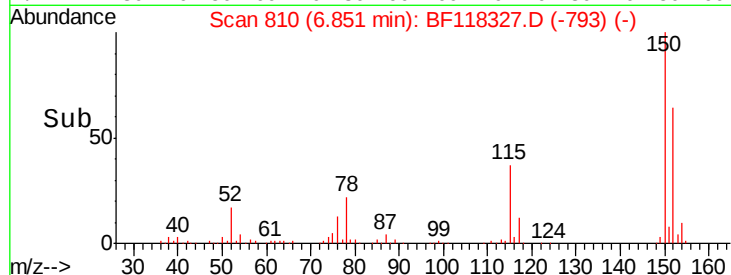
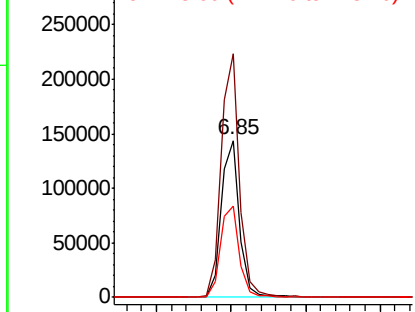


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

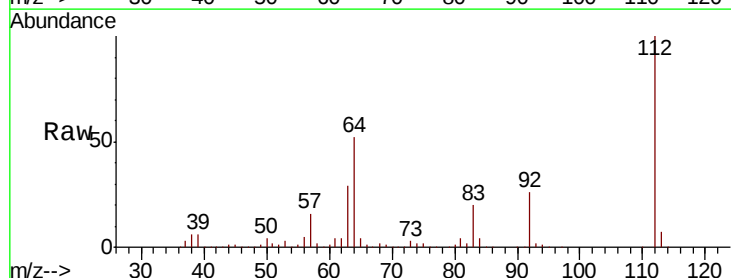
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.433 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF118327.D
Acq: 26 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	39.7	59.5
63	28.6	21.7	32.5

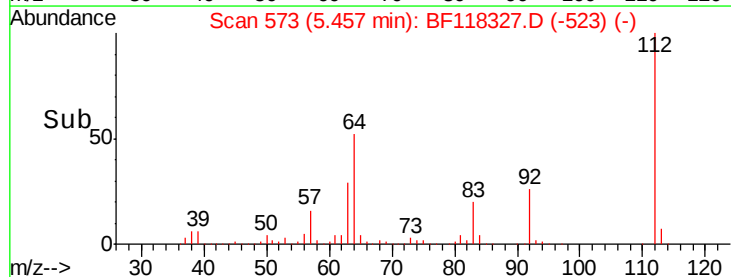
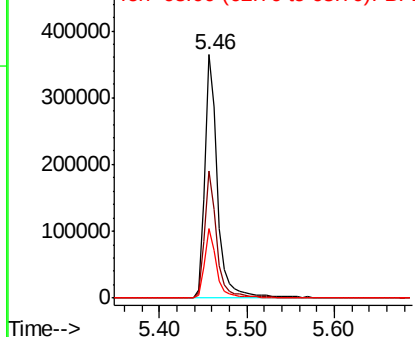


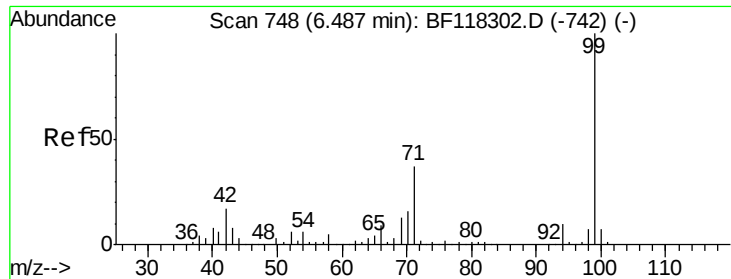
Abundance

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: 52.918 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118327.D

Acq: 26 Dec 2019 20:15

Instrument :

BNA_F

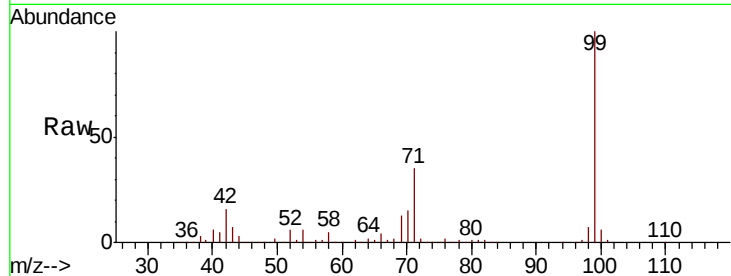
ClientSampleId :

TP-3

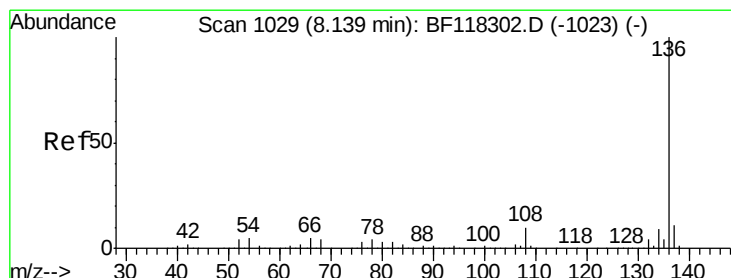
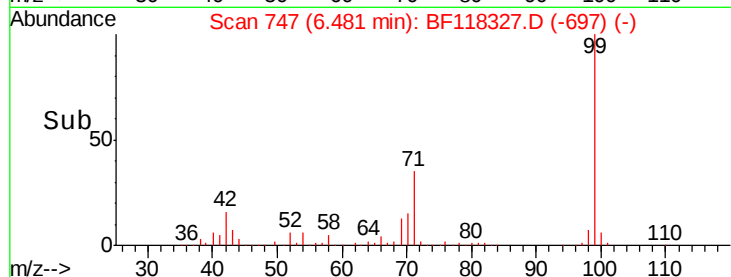
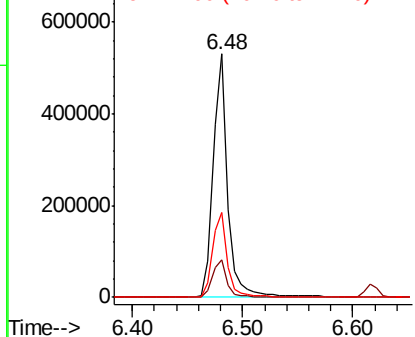
Tot Ion:	99	Resp:	476216
Ion Ratio	Lower	Upper	
99	100		
42	15.6	13.5	20.3
71	35.1	29.4	44.2

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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: 8.13 min Scan# 1028

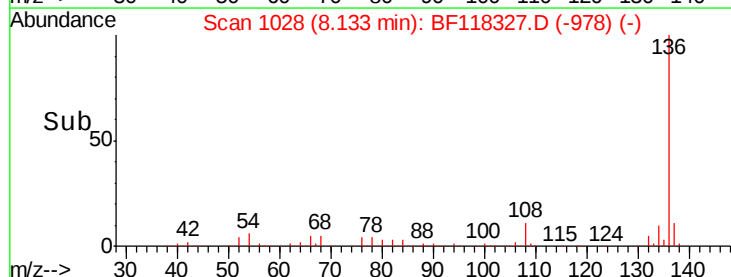
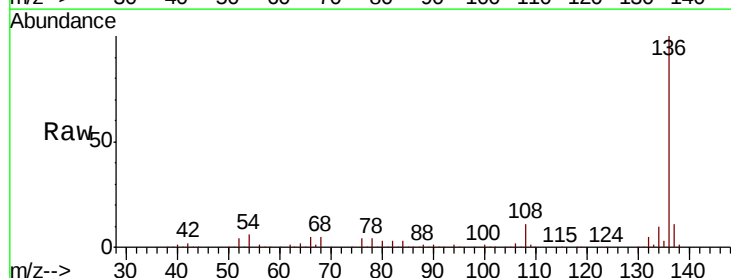
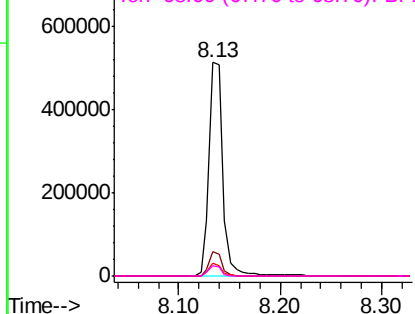
Delta R.T. -0.01 min

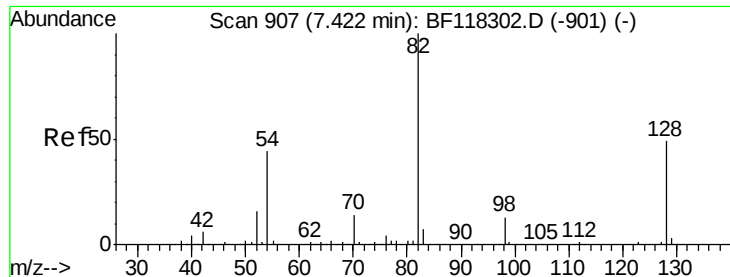
Lab File: BF118327.D

Acq: 26 Dec 2019 20:15

Tgt Ion:	136	Resp:	491658
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	5.9	4.2	6.4
68	5.1	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





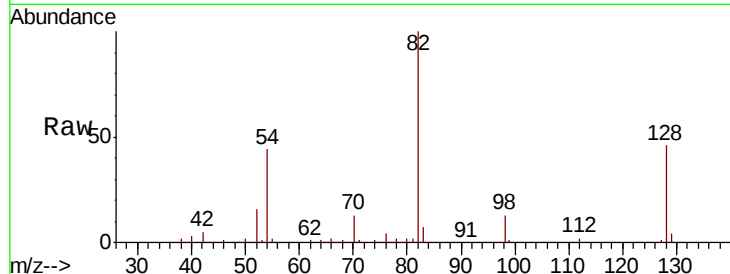
#23
Nitrobenzene-d5
Concen: 32.565 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF118327.D
Acq: 26 Dec 2019 20:15

Instrument :
BNA_F
ClientSampled :
TP-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	39.6	59.4
54	43.7	34.9	52.3

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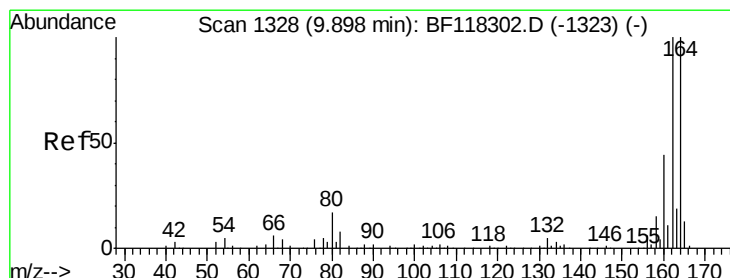
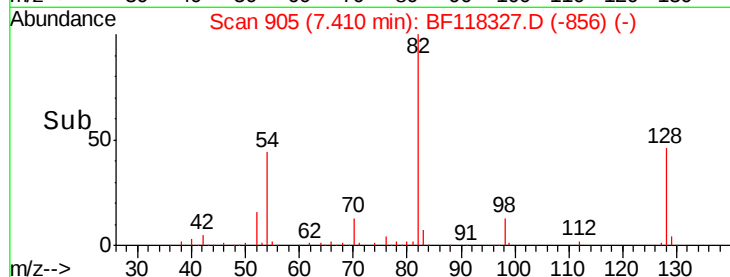
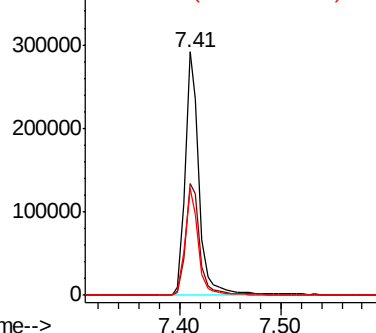


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

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: BF118327.D
Acq: 26 Dec 2019 20:15

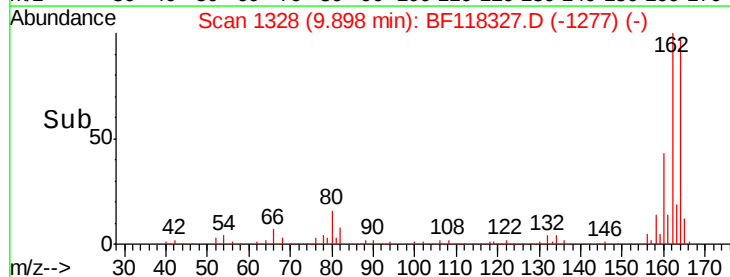
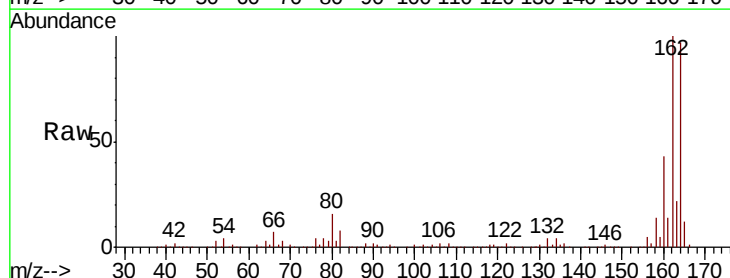
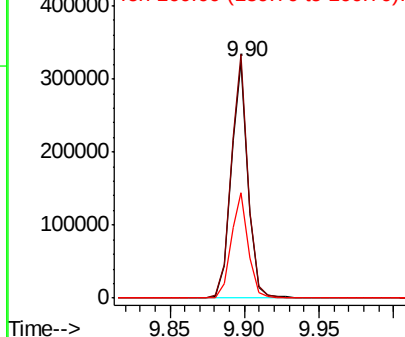
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	80.0	120.0
160	44.7	34.8	52.2

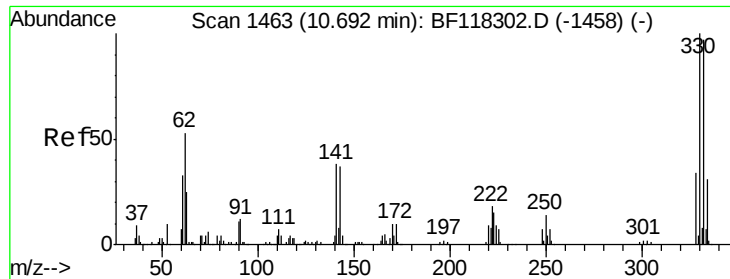
Abundance

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: 42.186 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.00 min

Lab File: BF118327.D

Acq: 26 Dec 2019 20:15

Instrument :

BNA_F

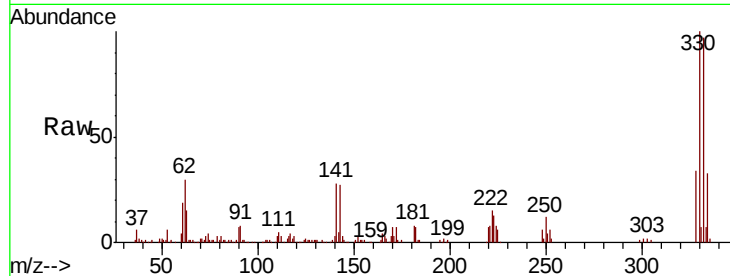
ClientSampled :

TP-3

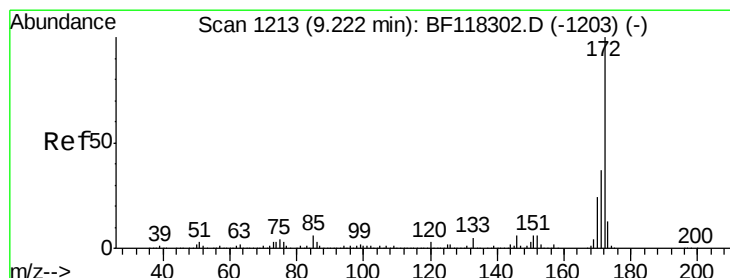
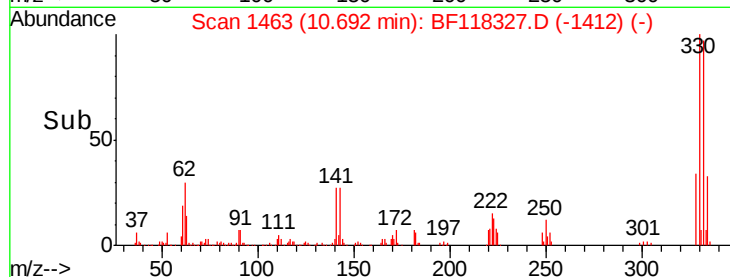
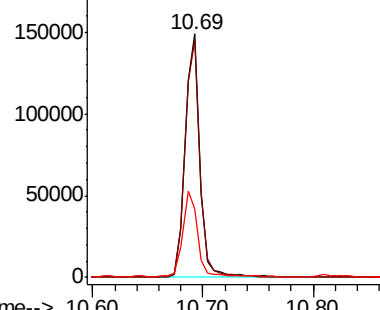
Tot Ion:	330	Resp:	133987
Ion Ratio	Lower	Upper	
330	100		
332	98.6	76.6	114.8
141	34.1	26.0	39.0

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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: 34.374 ng

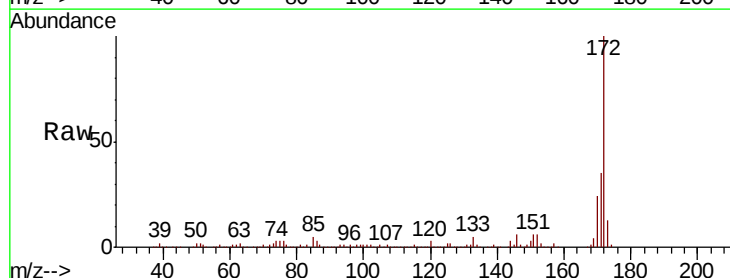
RT: 9.22 min Scan# 1212

Delta R.T. -0.01 min

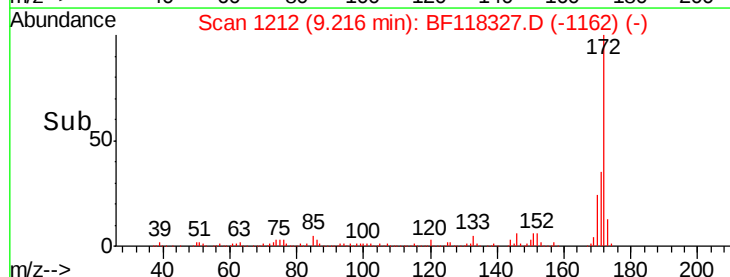
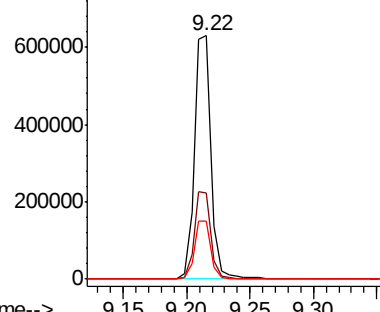
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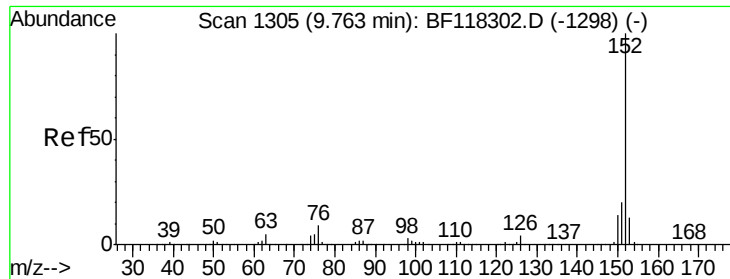
Acq: 26 Dec 2019 20:15

Tgt Ion:	172	Resp:	579142
Ion Ratio	Lower	Upper	
172	100		
171	35.5	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: 2.558 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF118327.D

Acq: 26 Dec 2019 20:15

Instrument :

BNA_F

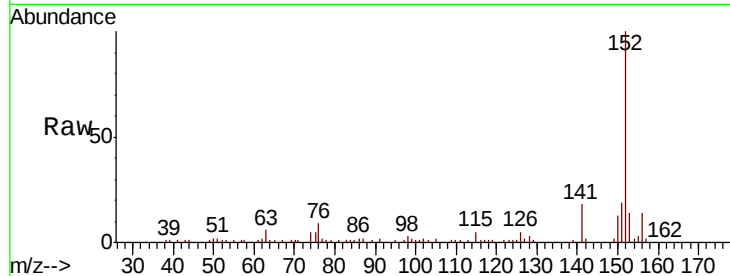
ClientSampled :

TP-3

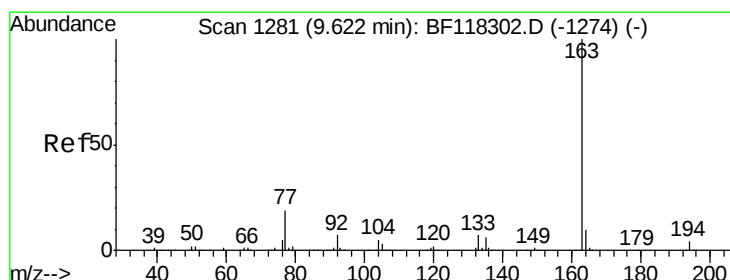
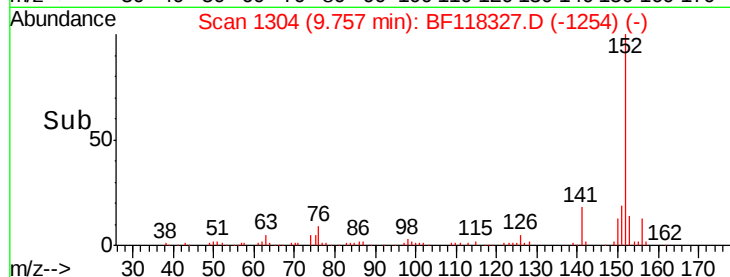
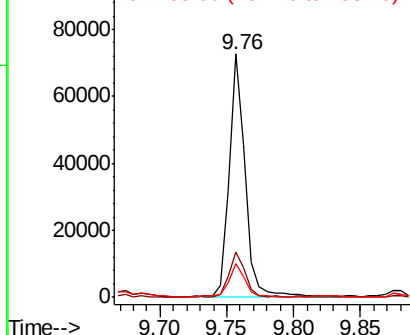
Tot Ion:	152	Resp:	62120
Ion Ratio	Lower	Upper	
152	100		
151	18.6	16.2	24.2
153	13.8	10.5	15.7

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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: 3.393 ng

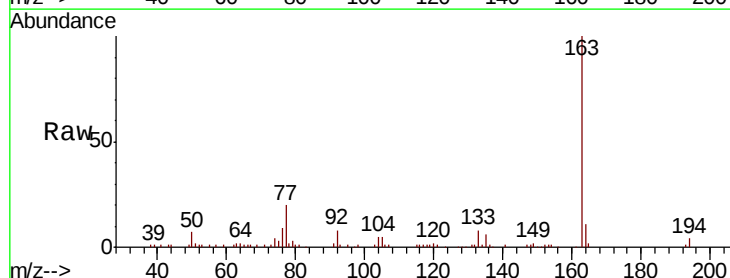
RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

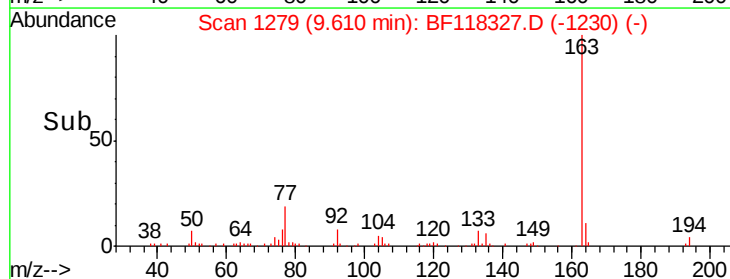
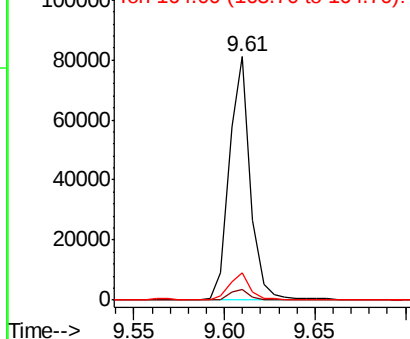
Lab File: BF118327.D

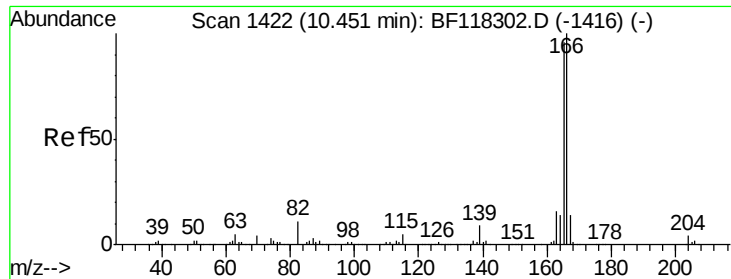
Acq: 26 Dec 2019 20:15

Tgt Ion:	163	Resp:	65494
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.2	4.8
164	11.0	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





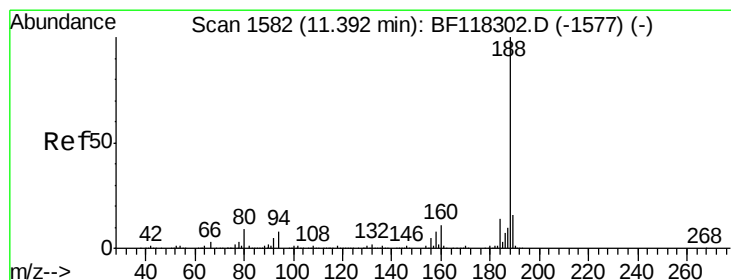
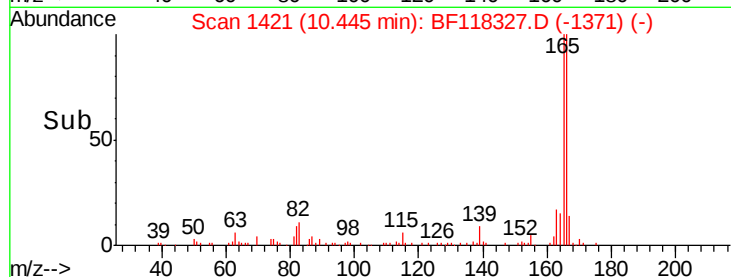
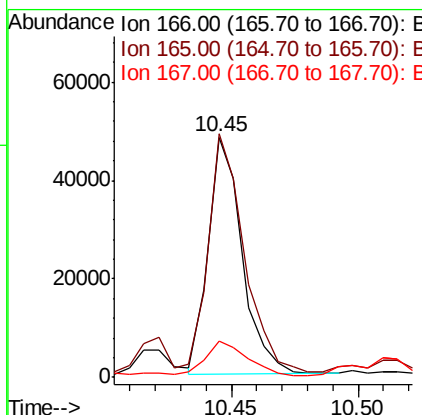
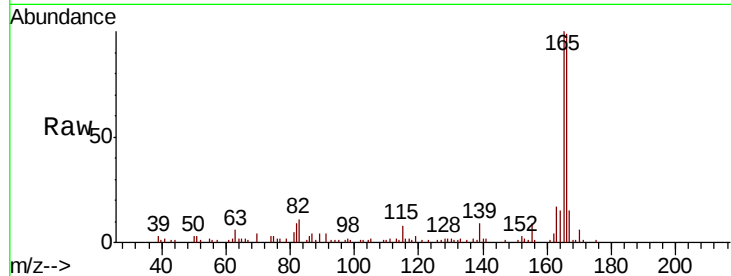
#58
 Fluorene
 Concen: 2.554 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF118327.D
 Acq: 26 Dec 2019 20:15

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	101.3	77.0	115.4		
167	14.9	10.9	16.3		

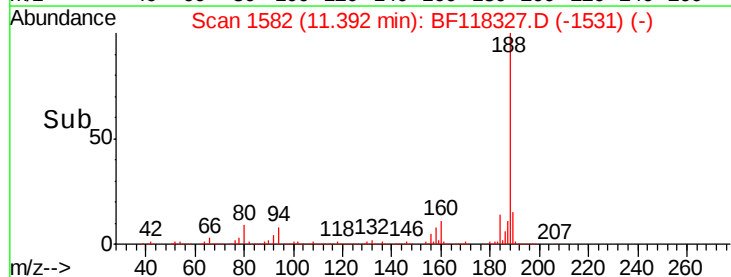
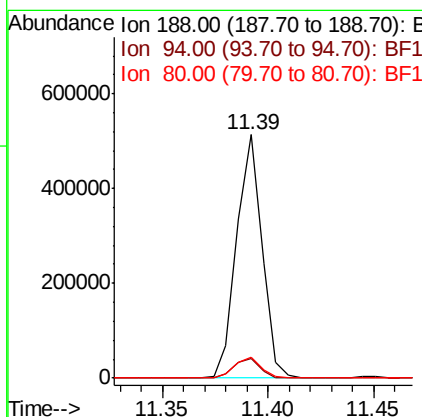
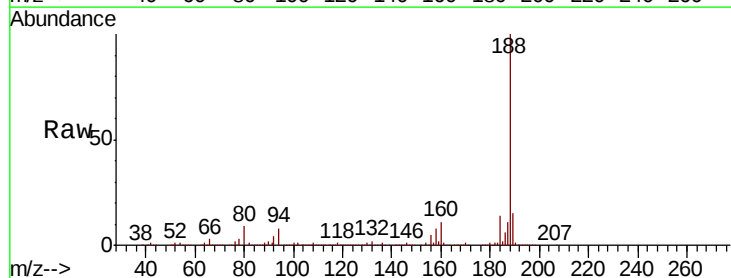
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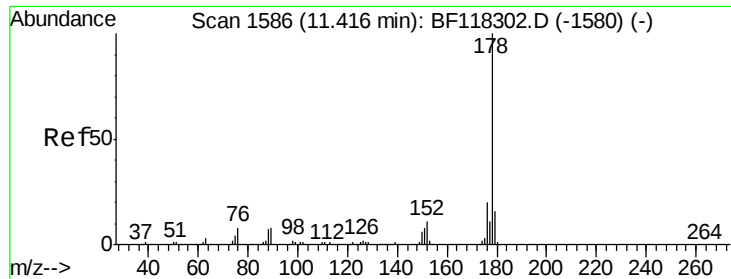
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BF118327.D
 Acq: 26 Dec 2019 20:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	8.2	6.7	10.1		
80	8.6	7.2	10.8		





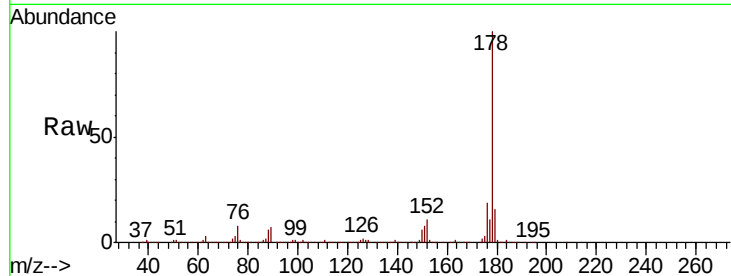
#71
Phenanthrene
Concen: 29.174 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF118327.D
Acq: 26 Dec 2019 20:15

Instrument :
BNA_F
ClientSampled :
TP-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	15.6	12.6	19.0

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12/27/2019 3:19:28 PM

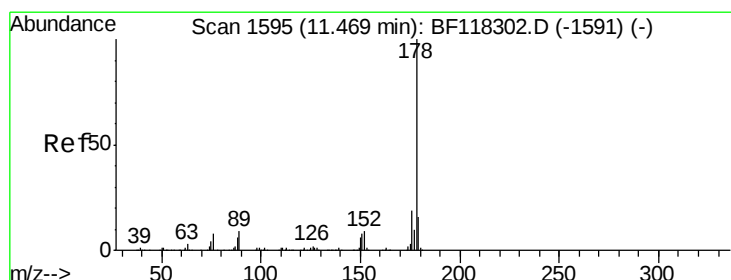
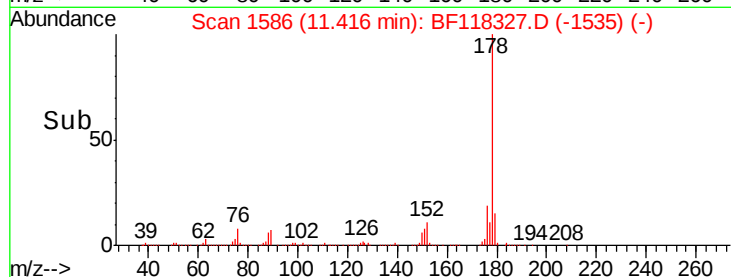
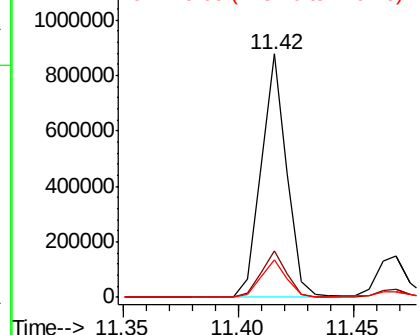


Abundance

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



#72
Anthracene
Concen: 5.556 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.00 min
Lab File: BF118327.D
Acq: 26 Dec 2019 20:15

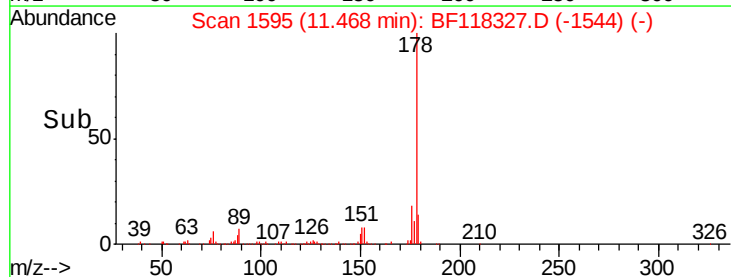
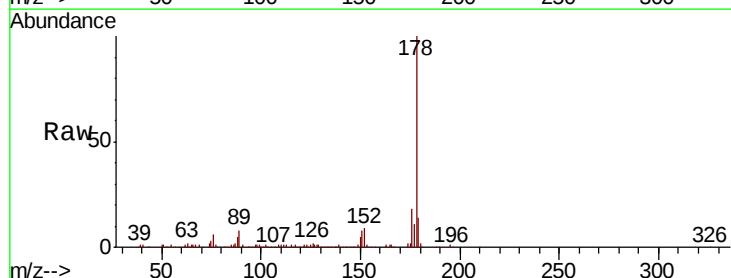
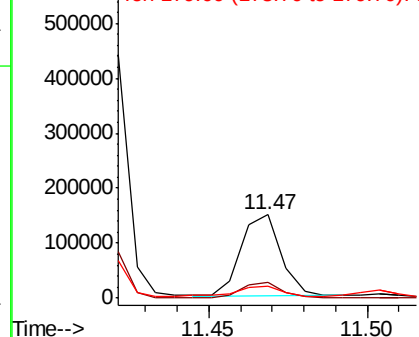
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.2	22.8
179	14.4	12.9	19.3

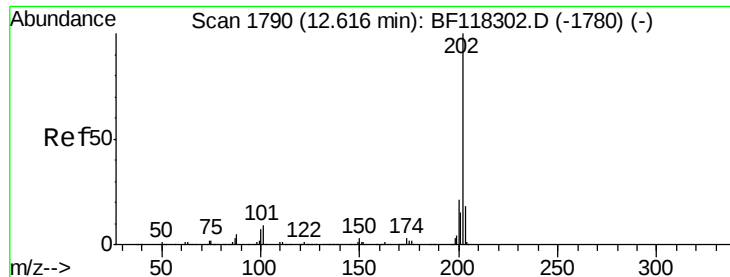
Abundance

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: 31.948 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118327.D

Acq: 26 Dec 2019 20:15

Instrument :

BNA_F

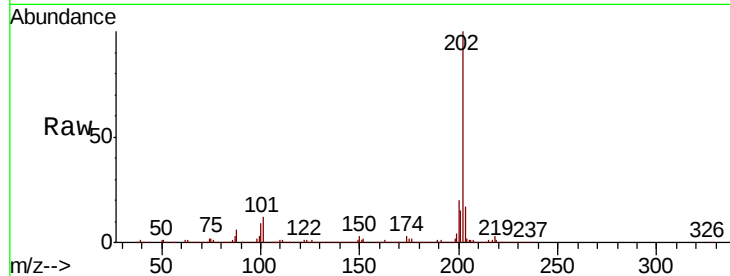
ClientSampled :

TP-3

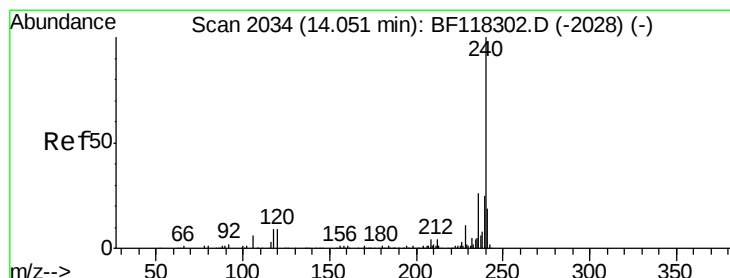
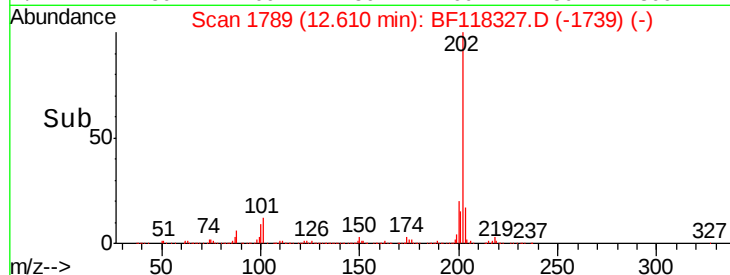
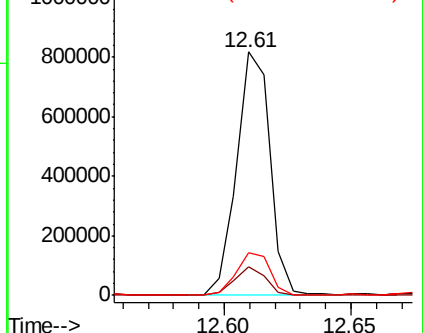
Tot Ion	Ratio	Resp	Lower	Upper
202	100	747199		
101	12.0		0.0	29.5
203	17.3		0.0	37.6

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12/27/2019 3:19:28 PM



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

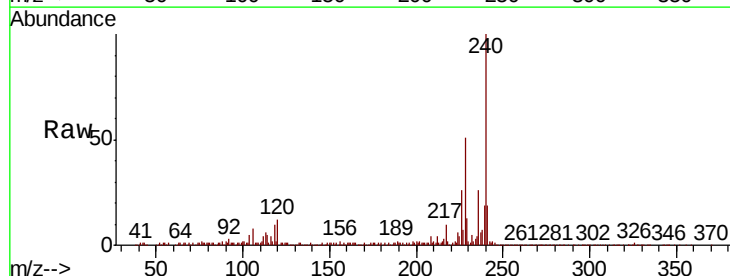
RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

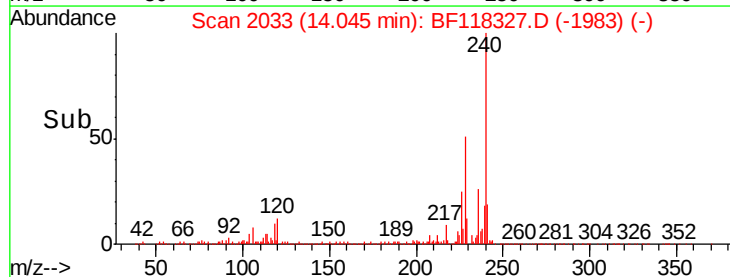
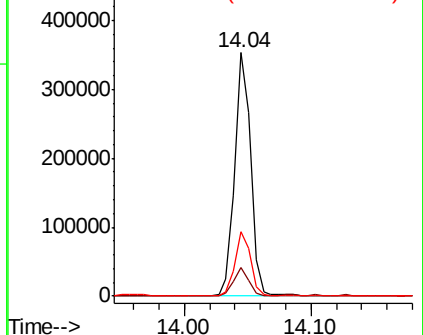
Lab File: BF118327.D

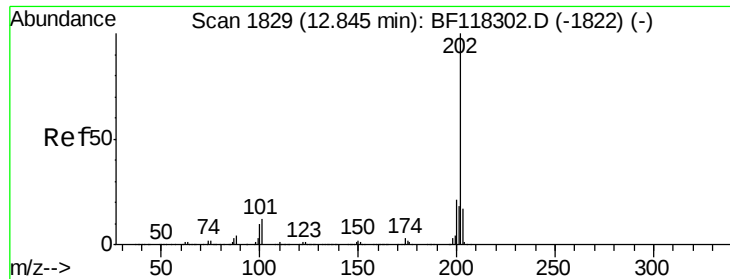
Acq: 26 Dec 2019 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	303185		
120	11.8		7.1	10.7#
236	26.3		21.0	31.6



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





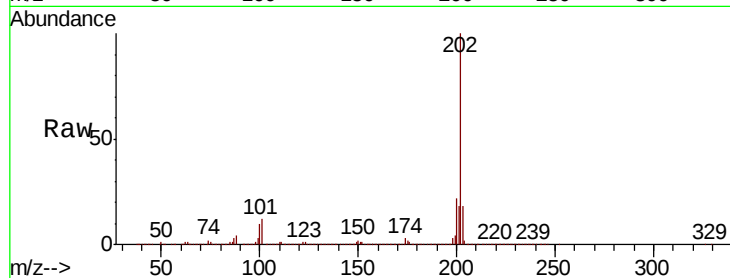
#78
Pvrene
Concen: 35.883 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BF118327.D
Acq: 26 Dec 2019 20:15

Instrument :
BNA_F
ClientSampled :
TP-3

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	17.7	13.9	20.9

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12/27/2019 3:19:28 PM

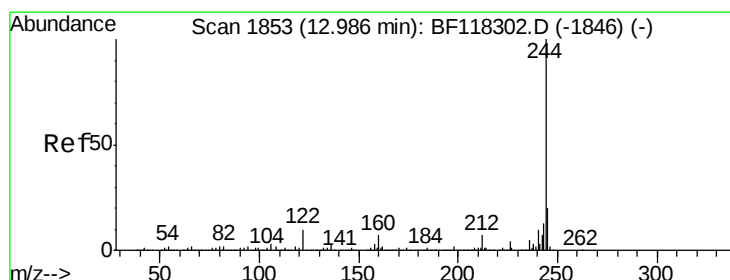
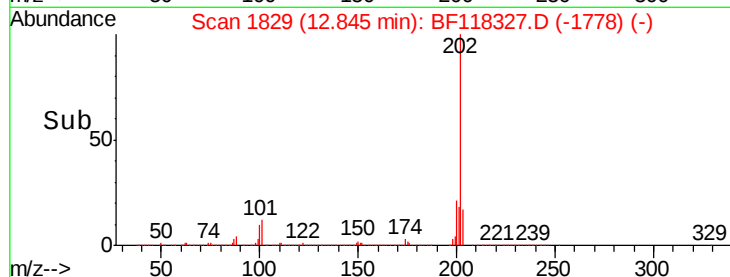
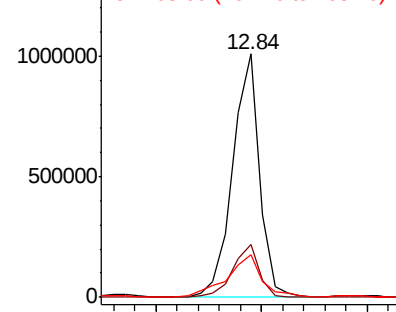


Abundance

Ion 202.00 (201.70 to 202.70): E

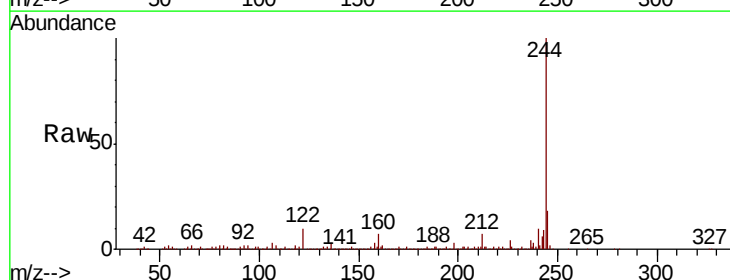
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 29.870 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF118327.D
Acq: 26 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	10.1	7.8	11.8

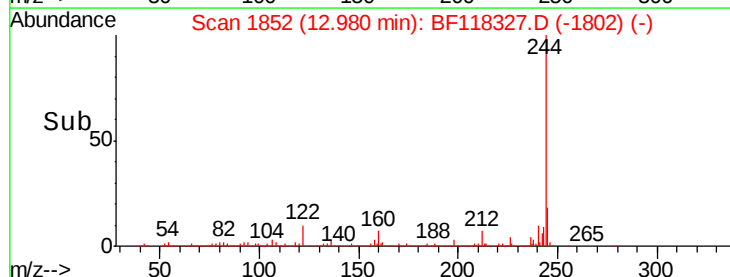
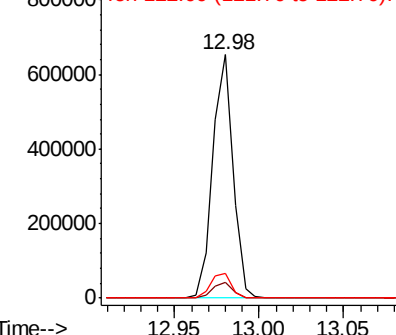


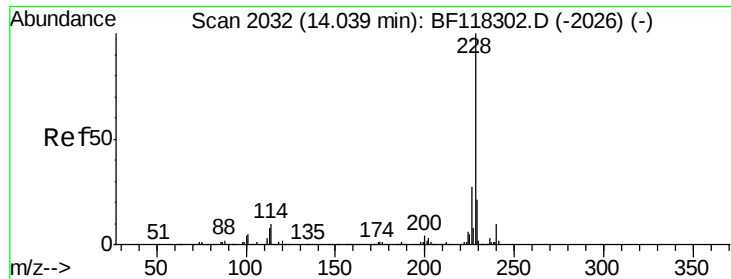
Abundance

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





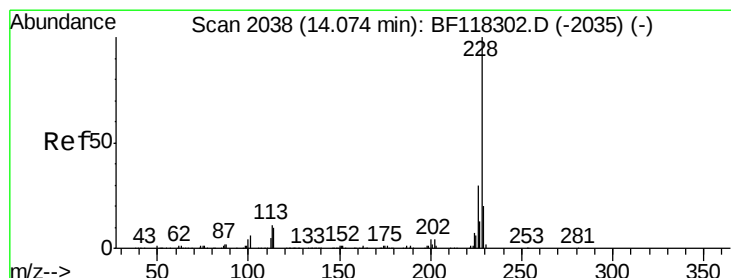
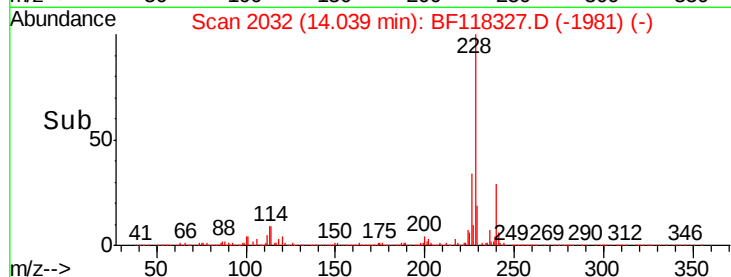
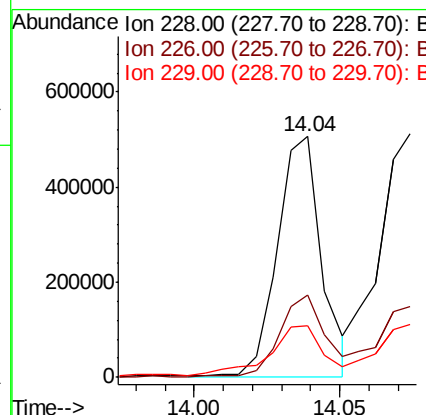
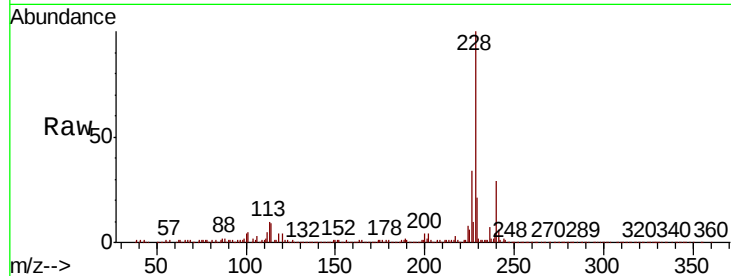
#81
Benzo(a)anthracene
Concen: 25.291 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF118327.D
Acq: 26 Dec 2019 20:15

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.3	22.0	33.0
229	21.2	16.6	24.8

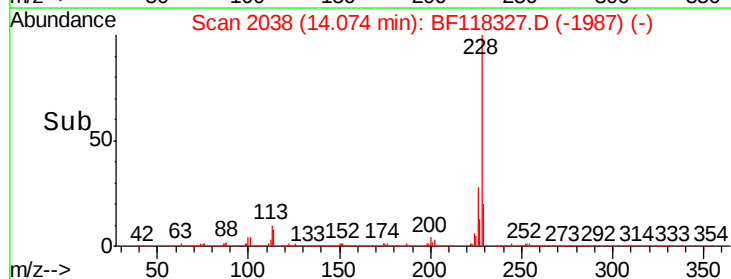
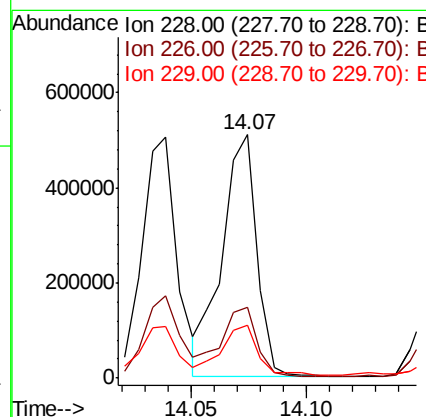
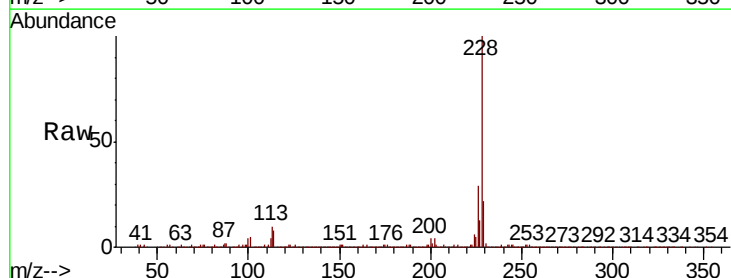
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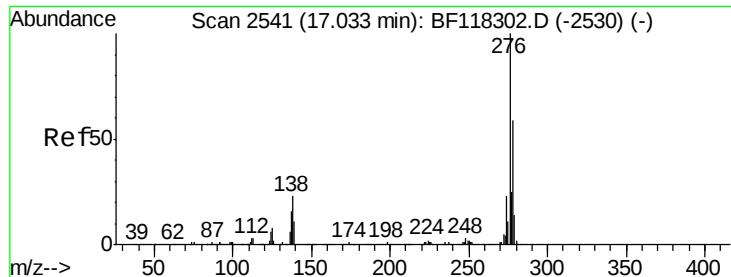
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12/27/2019 3:19:28 PM



#83
Chrysene
Concen: 26.337 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF118327.D
Acq: 26 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.9	35.9
229	21.6	16.1	24.1





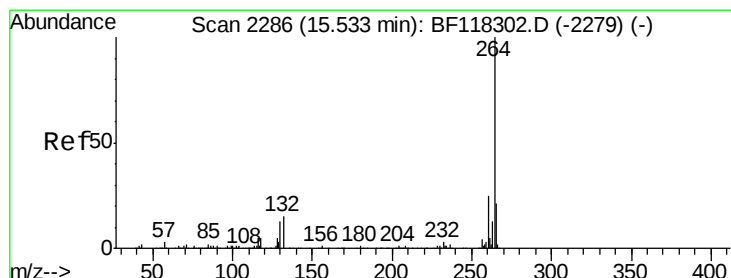
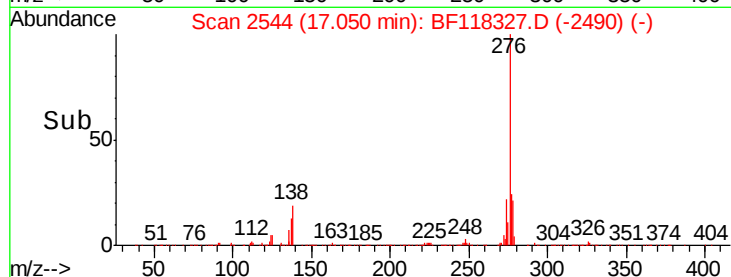
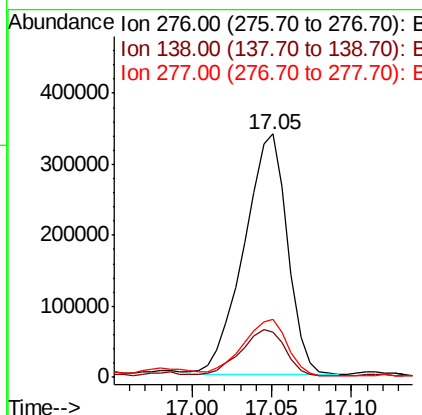
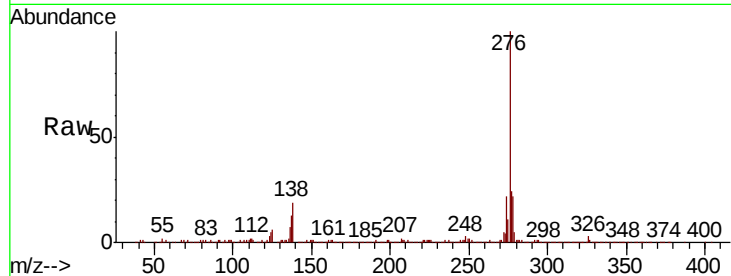
#86
Indeno(1,2,3-cd)pyrene
Concen: 37.297 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.02 min
Lab File: BF118327.D
Acq: 26 Dec 2019 20:15

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.2	19.5	29.3
277	24.4	20.6	30.8

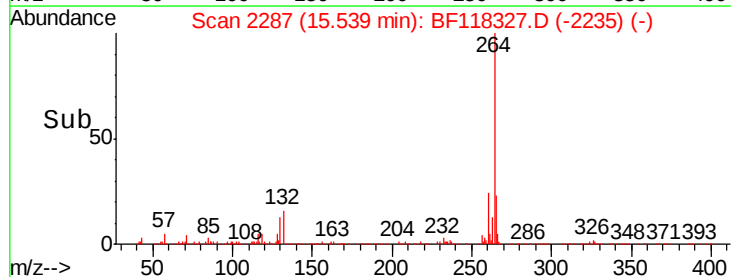
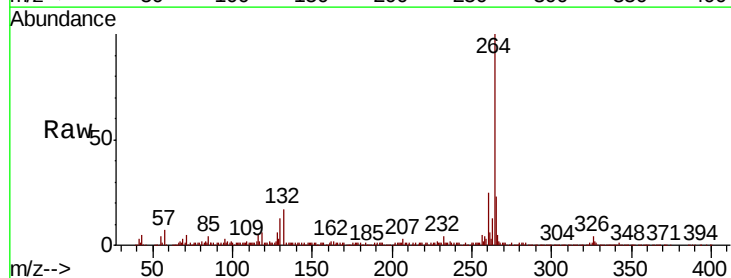
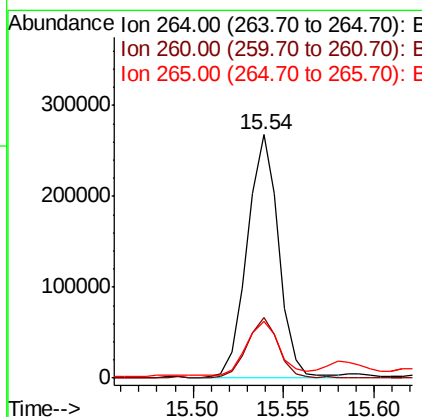
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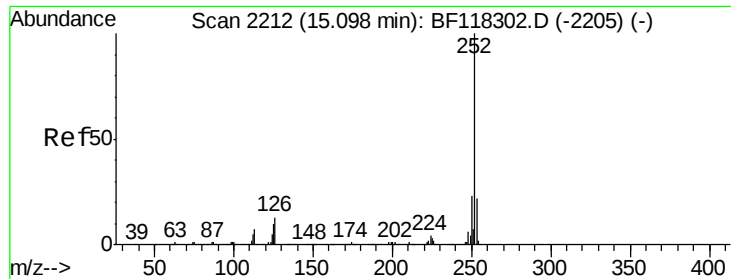
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12/27/2019 3:19:28 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF118327.D
Acq: 26 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.8	29.6
265	23.4	17.0	25.4





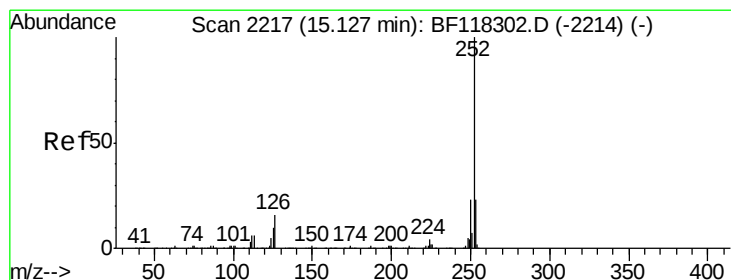
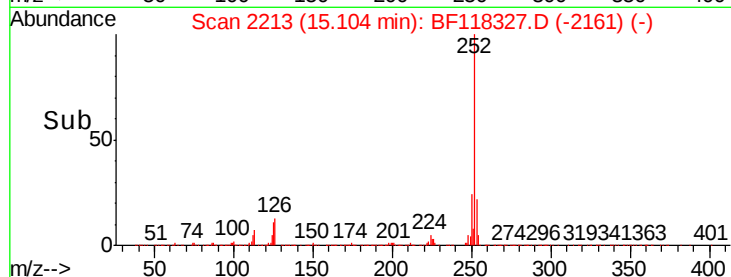
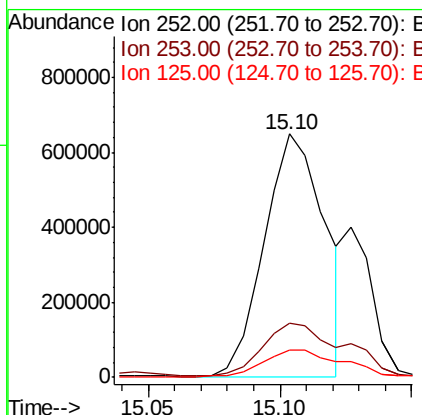
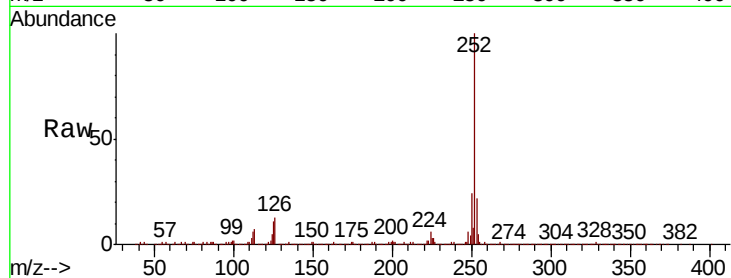
#88
Benzo(b)fluoranthene
Concen: 49.240 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF118327.D
Acq: 26 Dec 2019 20:15

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	11.2	7.7	11.5

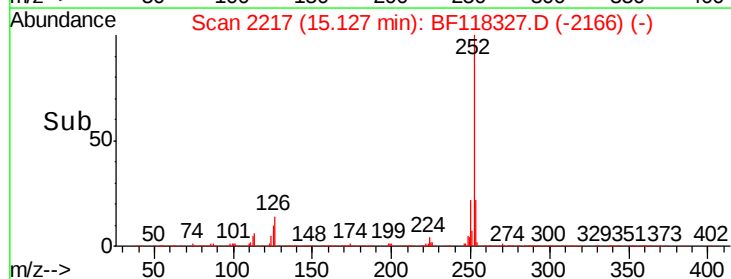
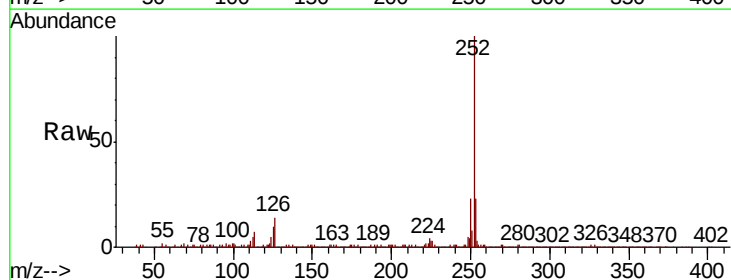
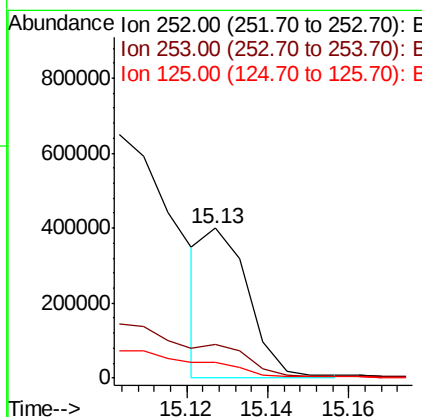
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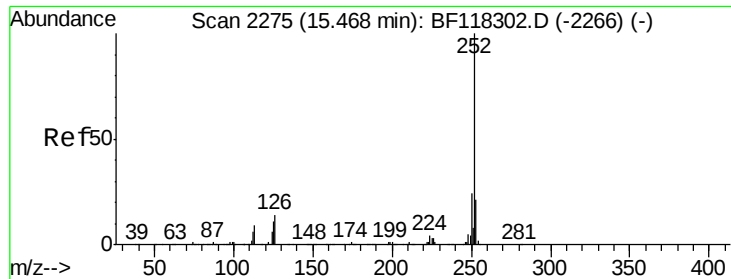
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12/27/2019 3:19:28 PM



#89
Benzo(k)fluoranthene
Concen: 14.678 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.00 min
Lab File: BF118327.D
Acq: 26 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	10.2	8.0	12.0





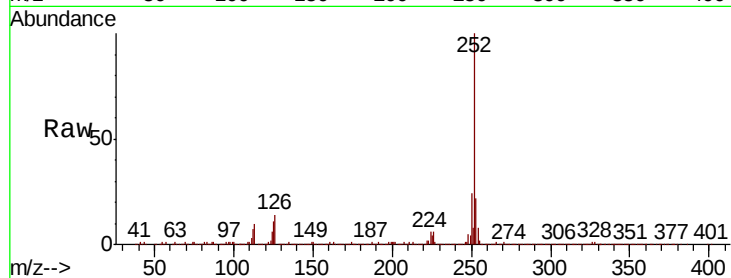
#90
Benzo(a)pyrene
Concen: 53.765 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF118327.D
Acq: 26 Dec 2019 20:15

Instrument :
BNA_F
ClientSampled :
TP-3

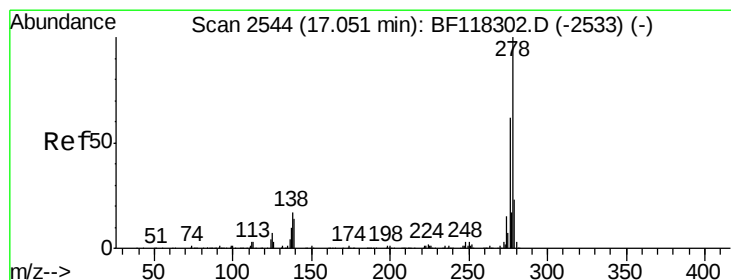
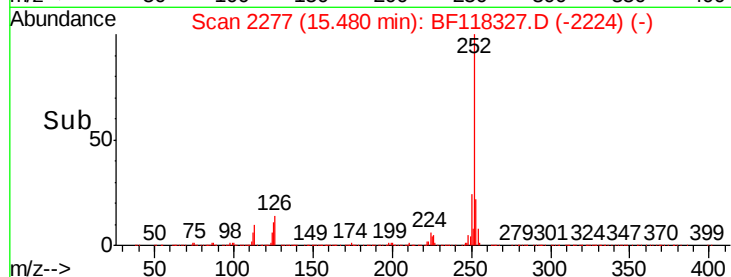
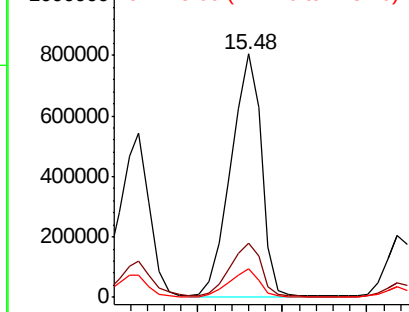
Tot Ion:252 Resp: 1008023
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 11.5 9.0 13.4

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12/27/2019 3:19:28 PM

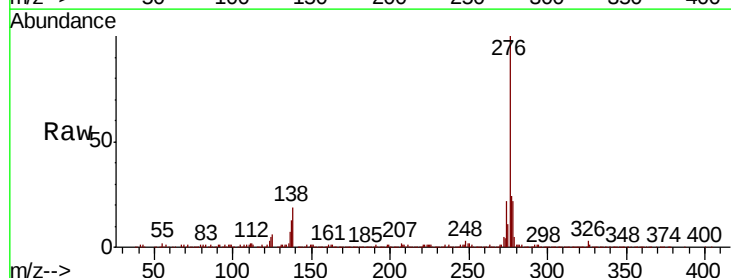


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

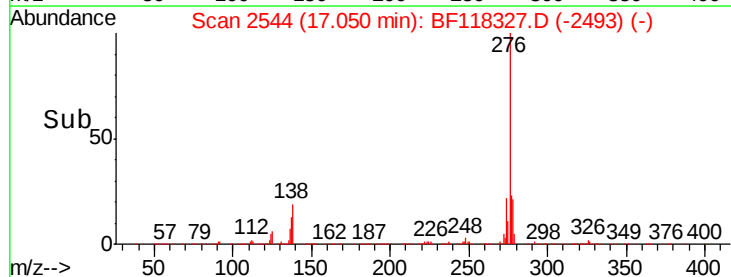
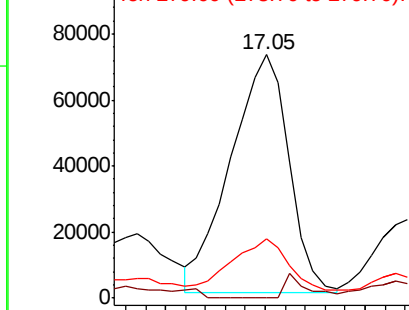


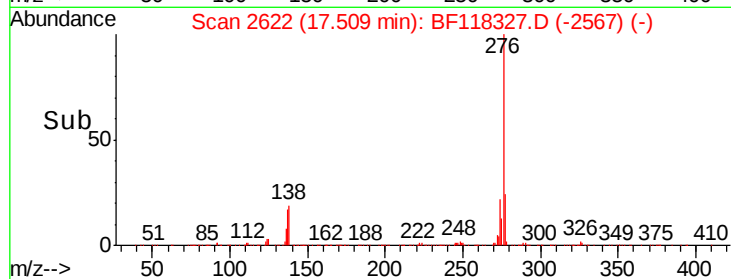
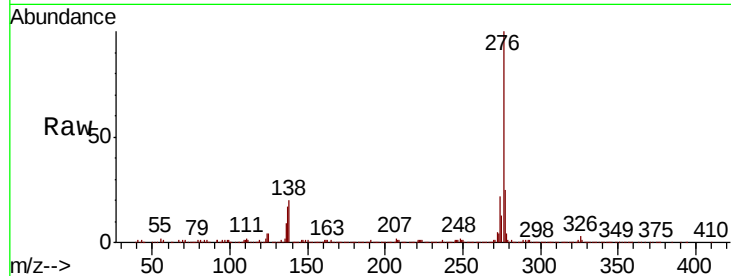
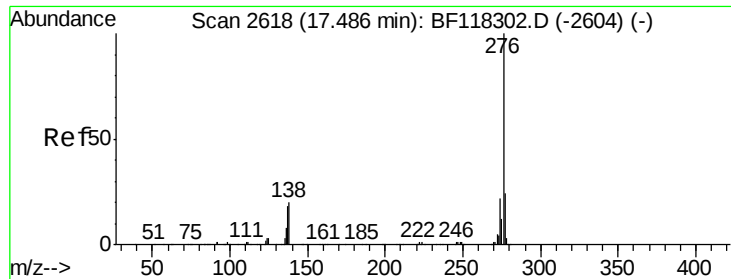
#91
Dibenzo(a,h)anthracene
Concen: 8.994 ng m
RT: 17.05 min Scan# 2544
Delta R.T. -0.00 min
Lab File: BF118327.D
Acq: 26 Dec 2019 20:15

Tgt Ion:278 Resp: 146325
Ion Ratio Lower Upper
278 100
139 0.0 11.5 17.3#
279 24.5 18.3 27.5



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(a,h,i)perylene
 Concen: 47.524 ng
 RT: 17.51 min Scan# 2622
 Delta R.T. 0.02 min
 Lab File: BF118327.D
 Acq: 26 Dec 2019 20:15

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	24.9	19.1	28.7	
138	19.7	16.1	24.1	

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 12/27/2019 3:19:28 PM

