

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
 Data File : BF115888.D
 Acq On : 1 Aug 2019 1:12
 Operator : HP/JU
 Sample : K3622-15 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-072919-B

Manual Integrations
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Quant Time: Aug 01 08:37:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	138663	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	517339	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	243024	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	381806	20.00	ng	0.00
76) Chrysene-d12	14.03	240	315433	20.00	ng	0.00
87) Perylene-d12	15.50	264	278728	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	372465	44.97	ng	0.00
7) Phenol-d6	6.48	99	490830	46.97	ng	0.00
23) Nitrobenzene-d5	7.41	82	278603	31.09	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	99345	42.16	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	535529	41.28	ng	0.00
79) Terphenyl-d14	12.96	244	507934	33.93	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.60	163	118026	7.133	ng	Qvalue 100
58) Fluorene	10.44	166	42833	2.995	ng	98
71) Phenanthrene	11.40	178	456851	23.406	ng	99
72) Anthracene	11.46	178	170365	8.624	ng	98
75) Fluoranthene	12.60	202	800569	39.178	ng	99
78) Pyrene	12.83	202	747107	31.420	ng	99
81) Benzo(a)anthracene	14.02	228	376549	18.677	ng	98
83) Chrysene	14.05	228	296704	15.158	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	119247	7.254	ng	97
88) Benzo(b)fluoranthene	15.07	252	339157m	21.044	ng	
89) Benzo(k)fluoranthene	15.09	252	104353m	6.648	ng	
90) Benzo(a)pyrene	15.43	252	240531	16.696	ng	# 96
91) Dibenzo(a,h)anthracene	16.98	278	29418	2.359	ng	# 74
92) Benzo(a,h,i)perylene	17.43	276	117686	9.609	ng	99

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

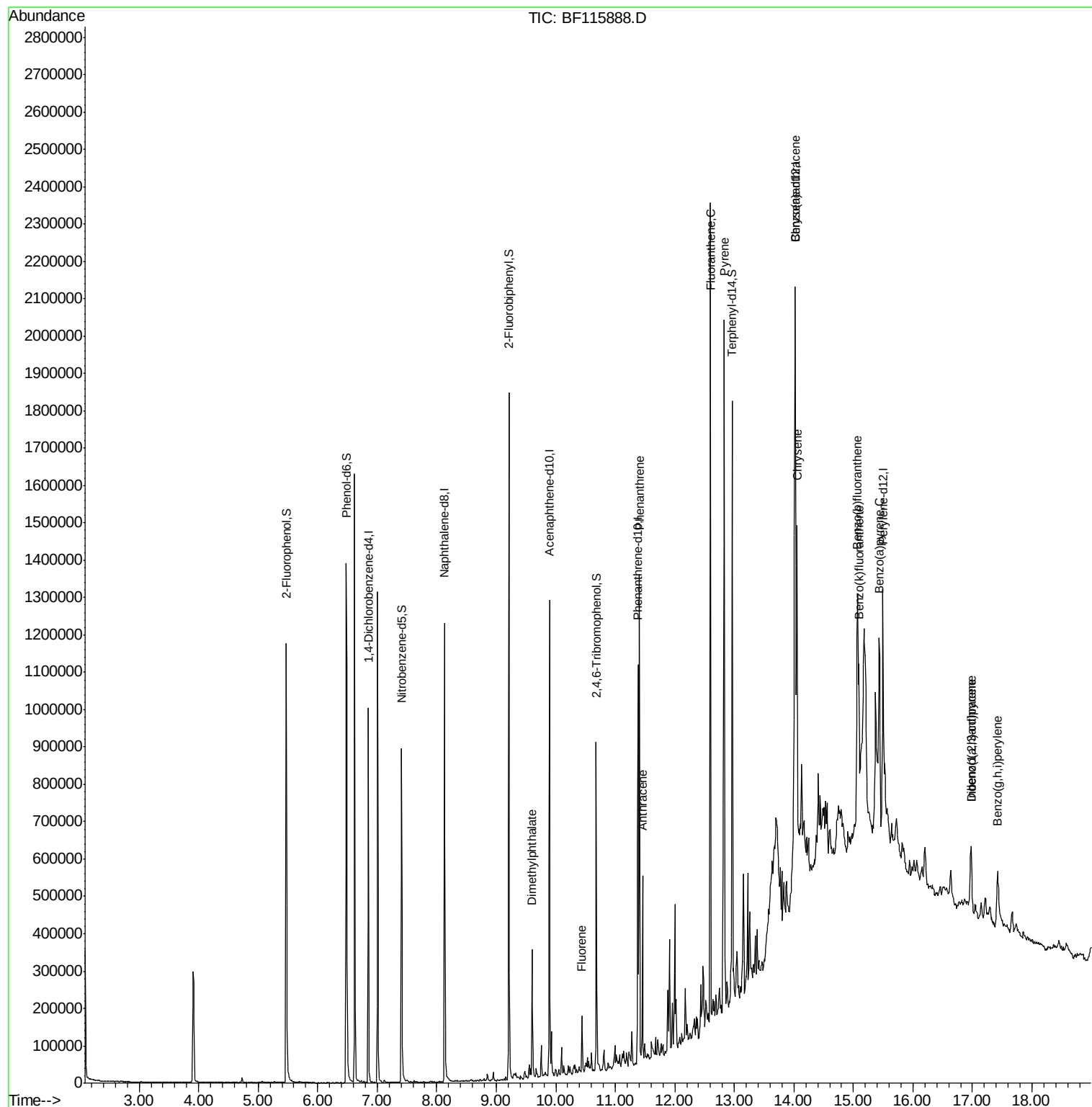
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115888.D
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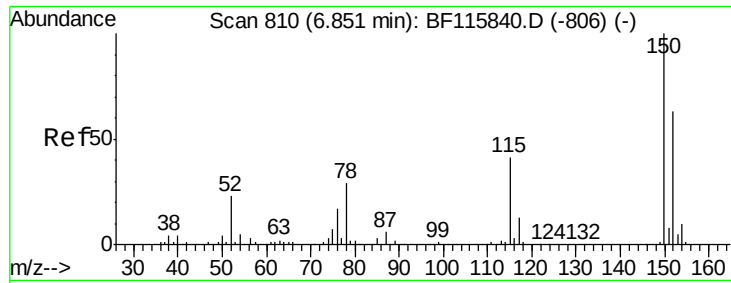
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
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#1

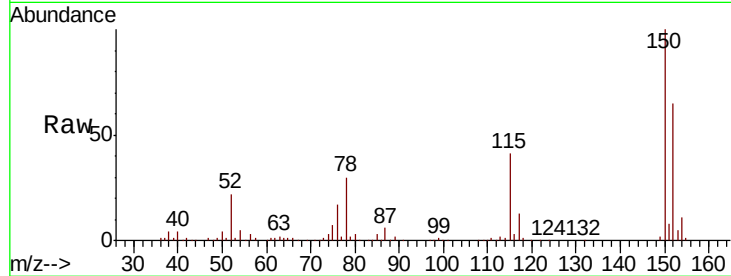
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115888.D
Acq: 1 Aug 2019 1:12

Instrument :
BNA_F
ClientSampleId :
OR-03-072919-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	127.4	191.0
115	62.9	51.8	77.8

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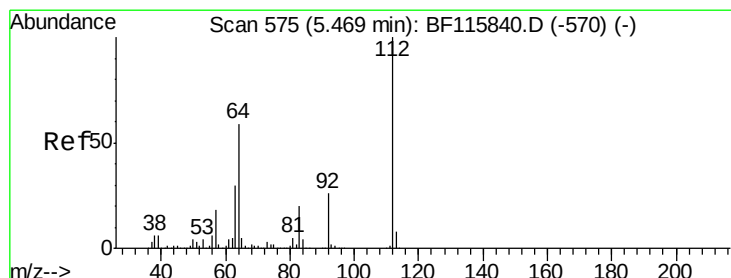
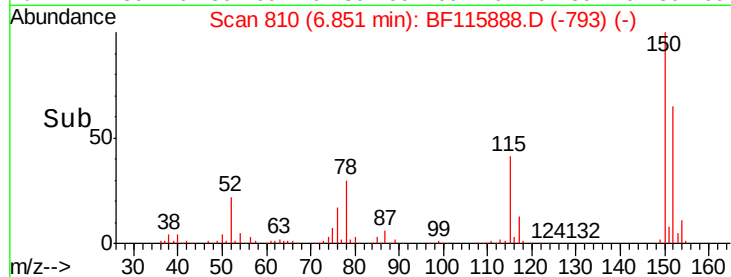
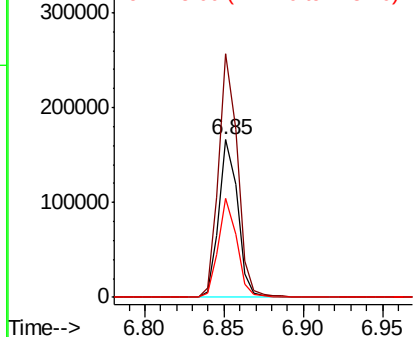


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

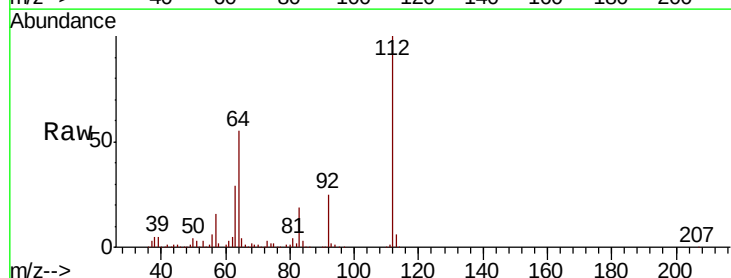
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 44.967 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF115888.D
Acq: 1 Aug 2019 1:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	46.8	70.2
63	29.1	24.2	36.2

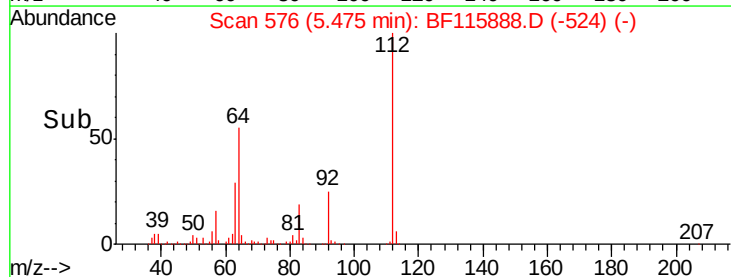
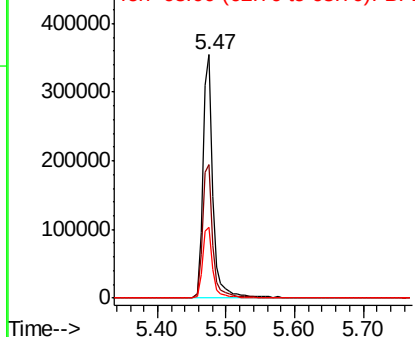


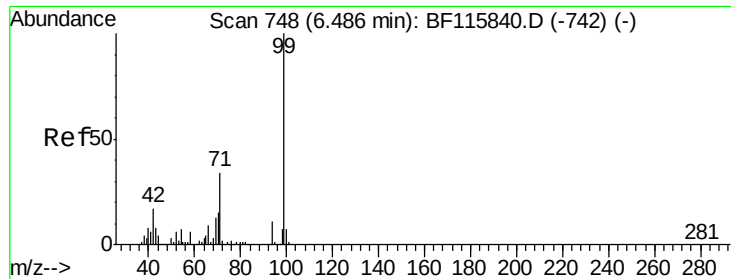
Abundance

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: 46.967 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

Instrument :

BNA_F

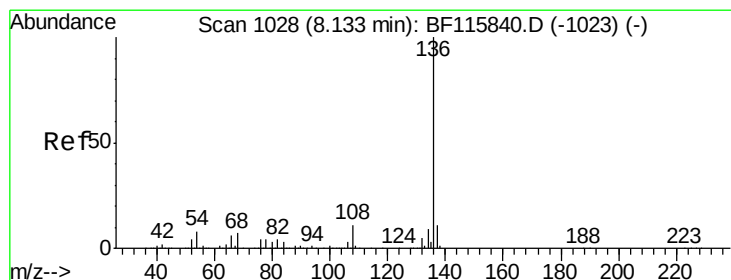
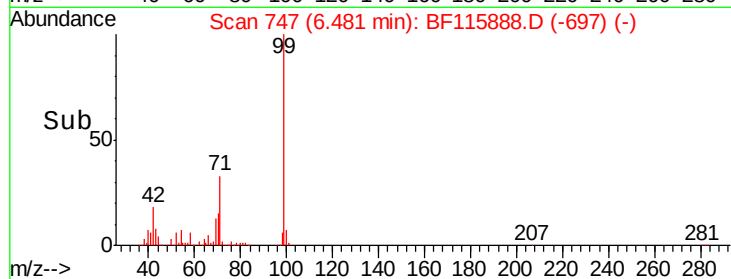
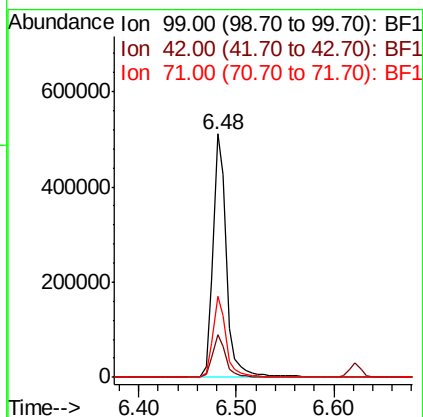
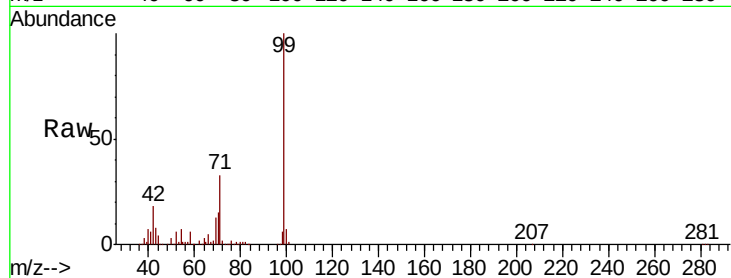
ClientSampleId :

OR-03-072919-B

Tot Ion:	99	Resp:	490830
Ion Ratio	Lower	Upper	
99	100		
42	17.6	13.8	20.6
71	33.2	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

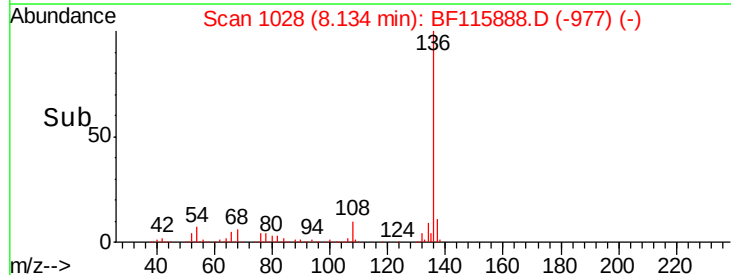
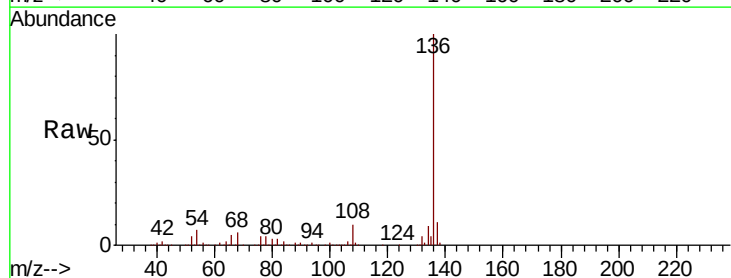
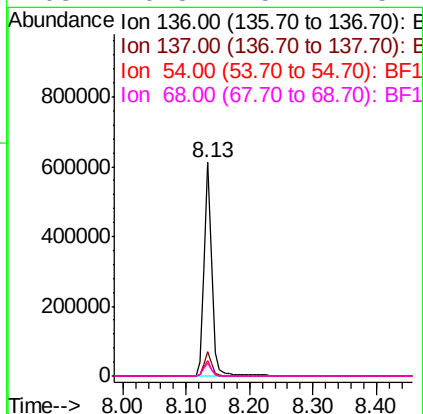
RT: 8.13 min Scan# 1028

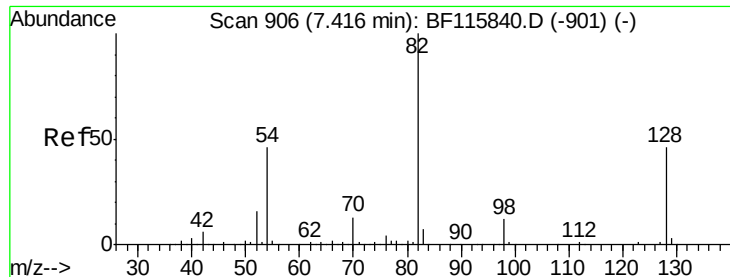
Delta R.T. 0.00 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

Tgt Ion:	136	Resp:	517339
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	7.1	6.1	9.1
68	6.3	5.4	8.2





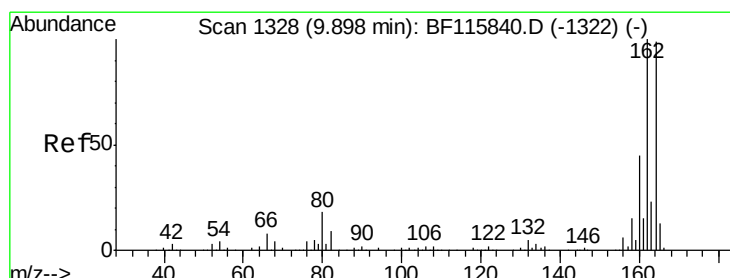
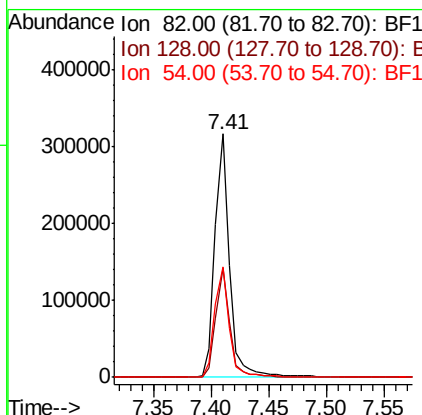
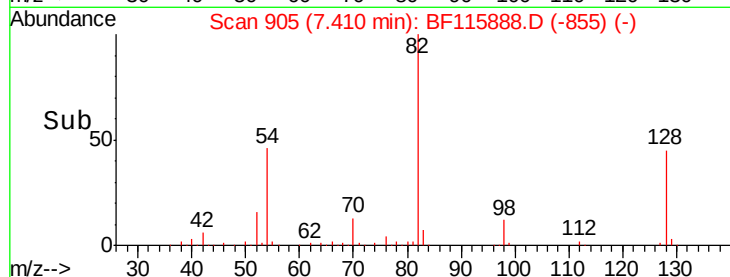
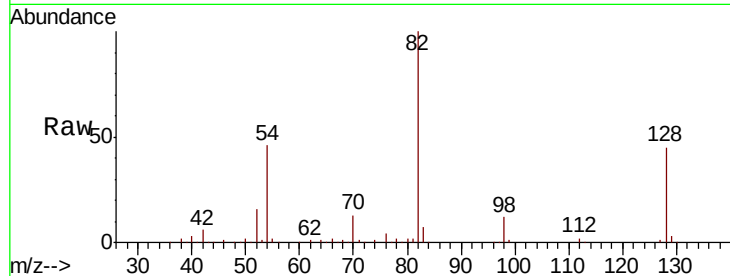
#23
 Nitrobenzene-d5
 Concen: 31.086 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF115888.D
 Acq: 1 Aug 2019 1:12

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-072919-B

Tot Ion:	82	Resp:	278603
Ion Ratio	Lower	Upper	
82	100		
128	44.6	36.6	55.0
54	45.5	36.6	55.0

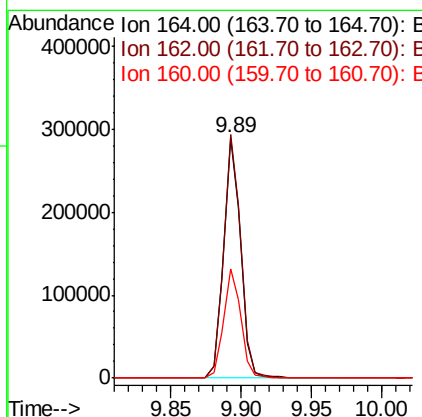
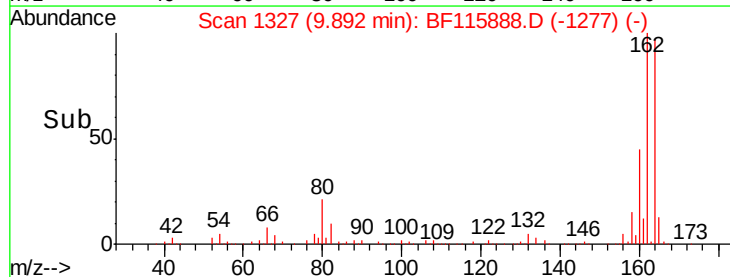
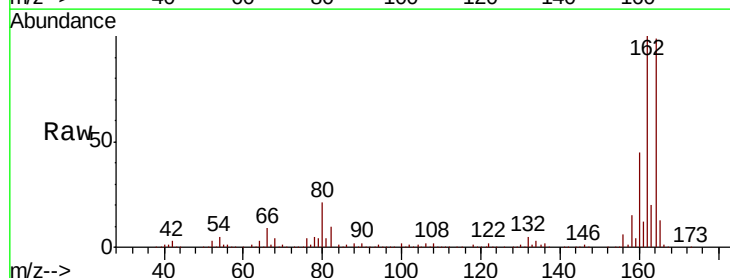
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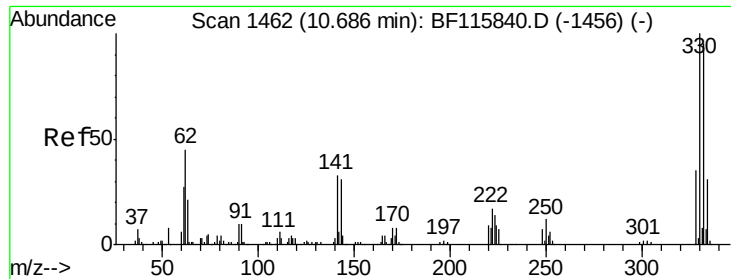
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF115888.D
 Acq: 1 Aug 2019 1:12

Tgt Ion:	164	Resp:	243024
Ion Ratio	Lower	Upper	
164	100		
162	101.3	80.8	121.2
160	45.7	36.2	54.4





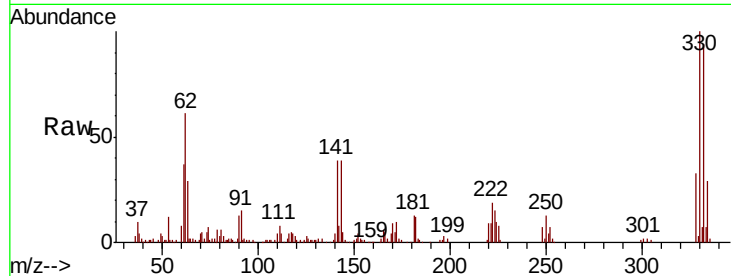
#42
 2,4,6-Tribromophenol
 Concen: 42.163 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF115888.D
 Acq: 1 Aug 2019 1:12

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-072919-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	99345		
332	95.9	77.7	116.5	
141	38.1	28.1	42.1	

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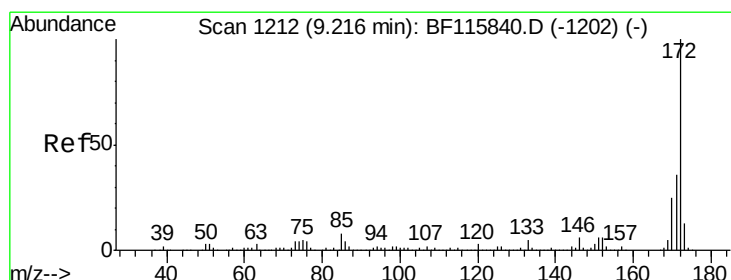
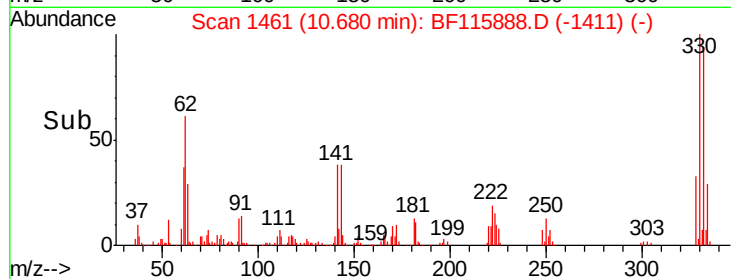
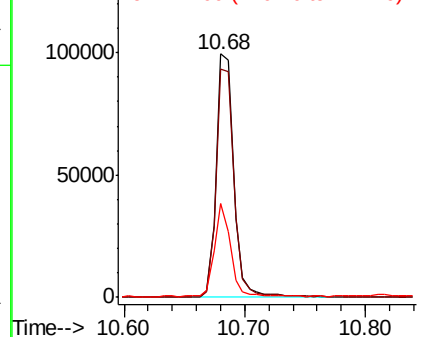


Abundance

Ion 329.80 (329.50 to 330.50): E

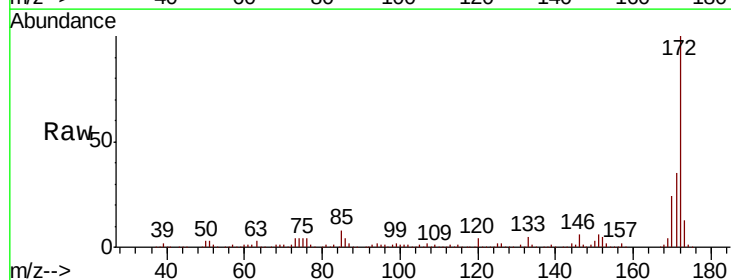
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 41.275 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF115888.D
 Acq: 1 Aug 2019 1:12

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	535529		
171	35.0	29.1	43.7	
170	24.1	20.1	30.1	

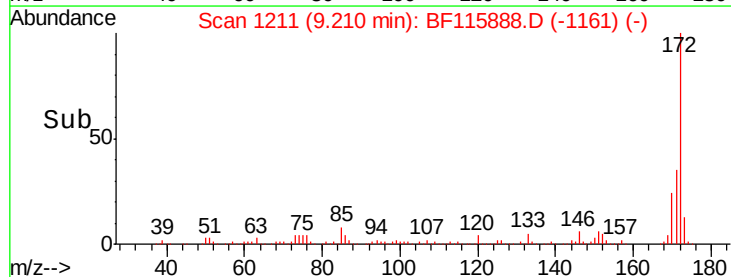
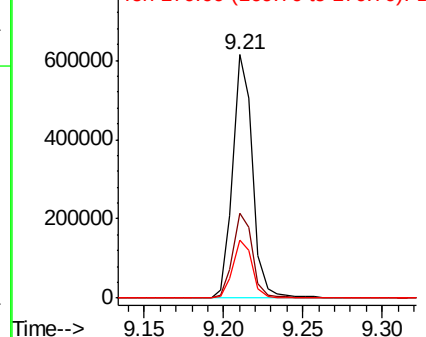


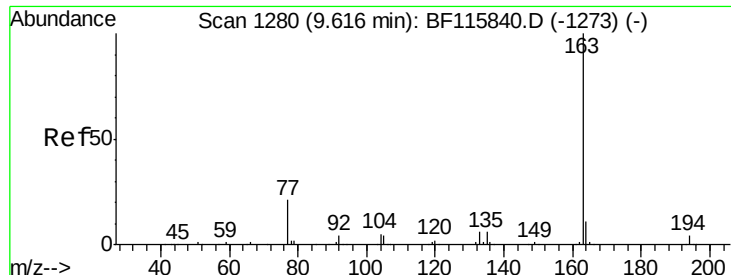
Abundance

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: 7.133 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

Instrument :

BNA_F

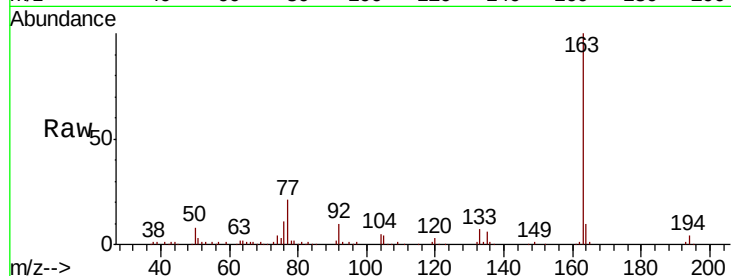
ClientSampleId :

OR-03-072919-B

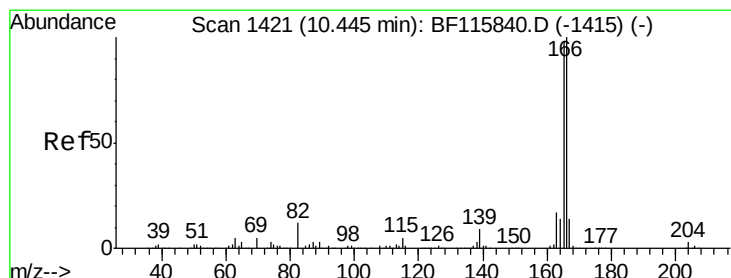
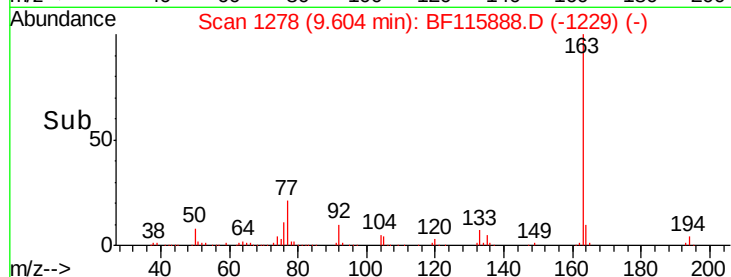
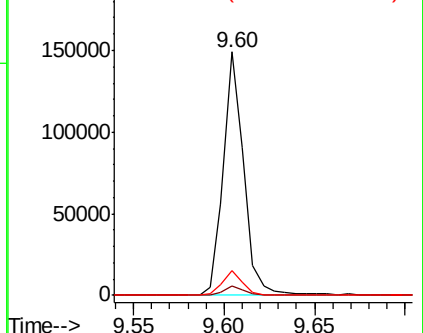
Tot Ion:	163	Resp:	118026
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.0	4.6
164	10.3	8.4	12.6

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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: 2.995 ng

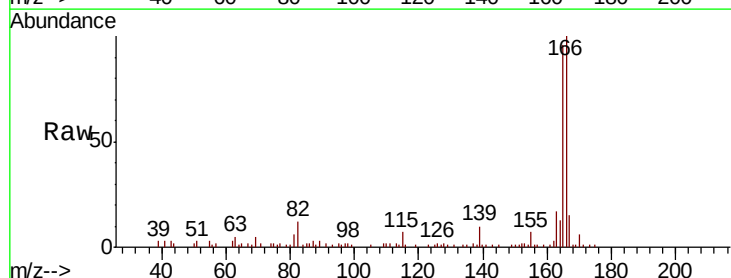
RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

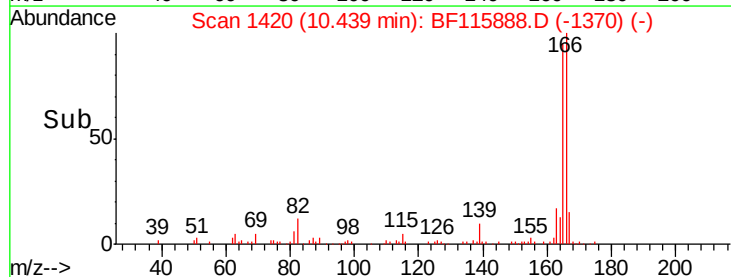
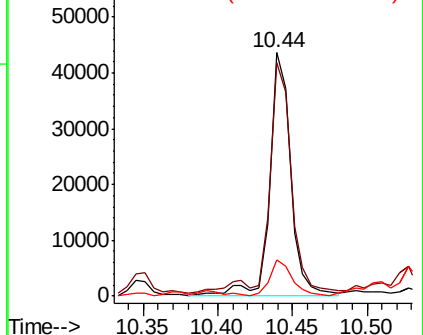
Lab File: BF115888.D

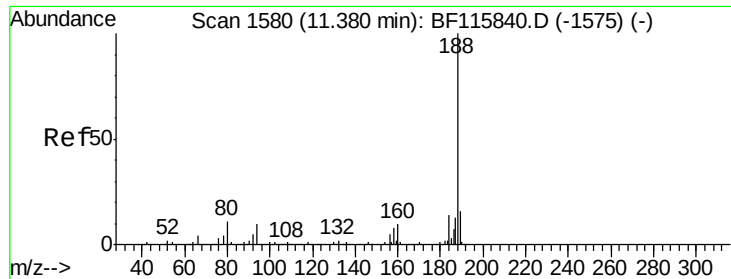
Acq: 1 Aug 2019 1:12

Tgt Ion:	166	Resp:	42833
Ion Ratio	Lower	Upper	
166	100		
165	96.1	78.6	118.0
167	14.7	10.9	16.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





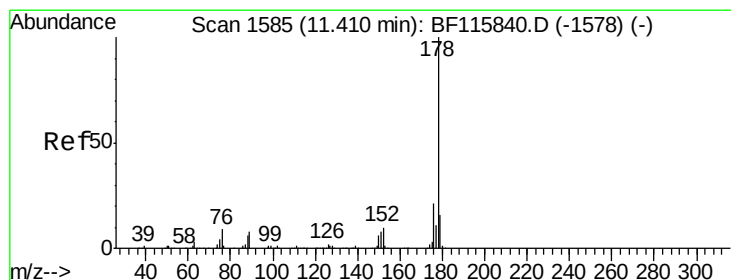
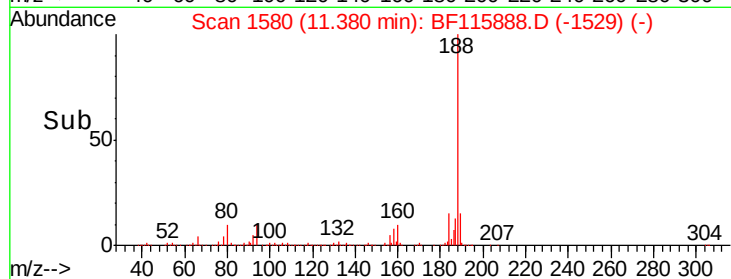
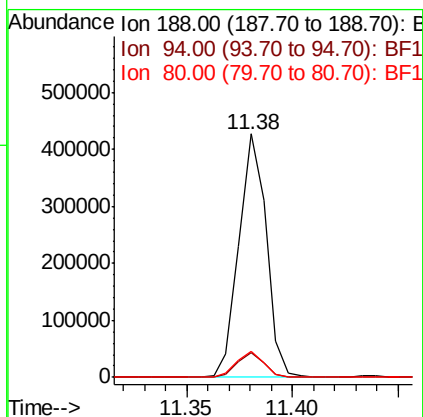
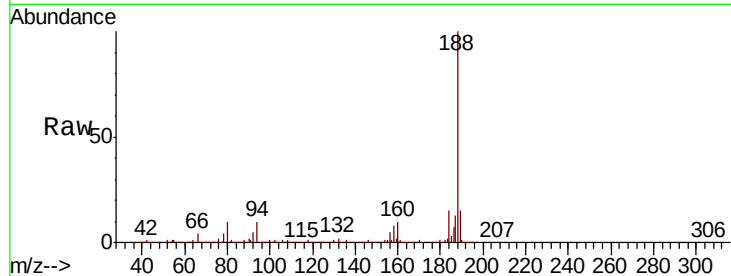
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF115888.D
 Acq: 1 Aug 2019 1:12

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-072919-B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.1	8.0	12.0
80	10.5	8.6	12.8

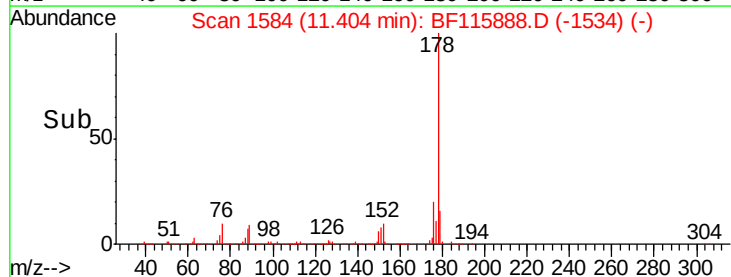
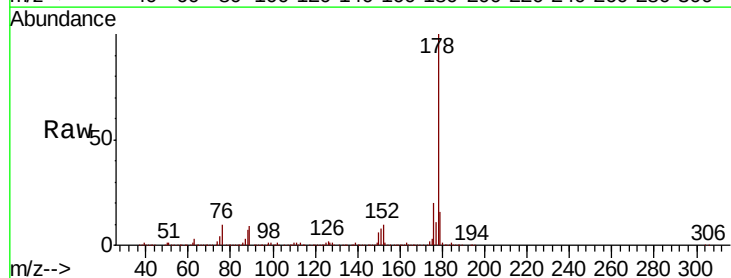
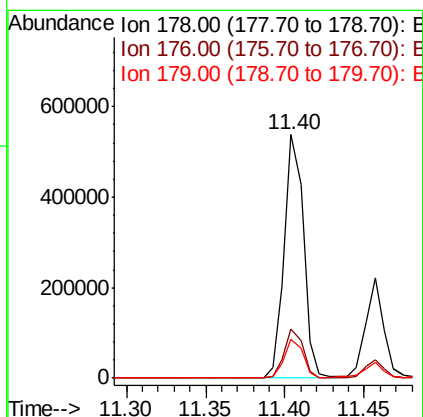
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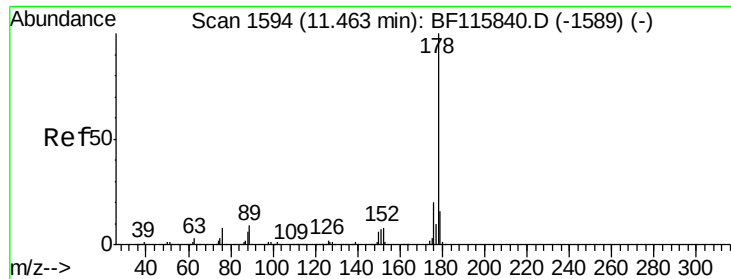
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#71
 Phenanthrene
 Concen: 23.406 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF115888.D
 Acq: 1 Aug 2019 1:12

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.1	16.5	24.7
179	16.0	12.6	18.8





#72

Anthracene

Concen: 8.624 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

Instrument :

BNA_F

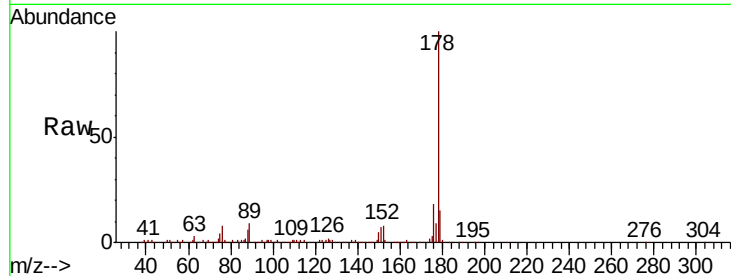
ClientSampleId :

OR-03-072919-B

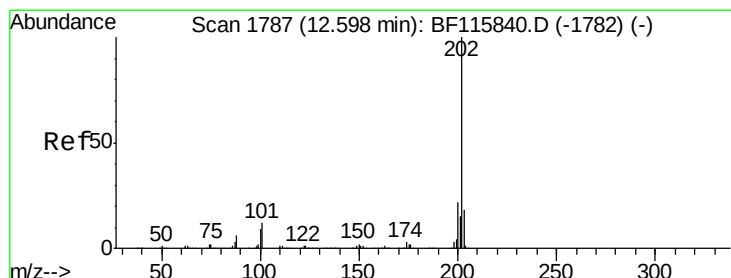
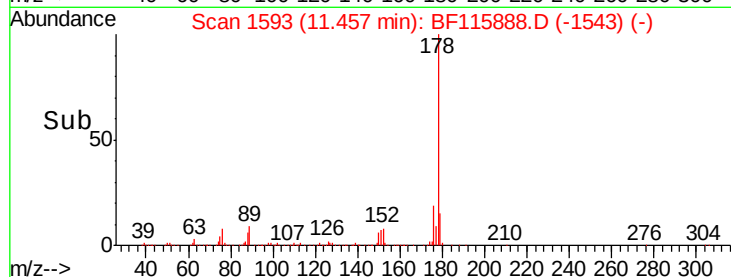
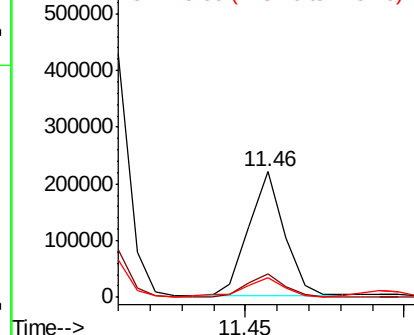
Tot Ion:178	Resp:	170365
Ion Ratio	Lower	Upper
178 100		
176 18.4	15.7	23.5
179 15.2	12.4	18.6

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



#75

Fluoranthene

Concen: 39.178 ng

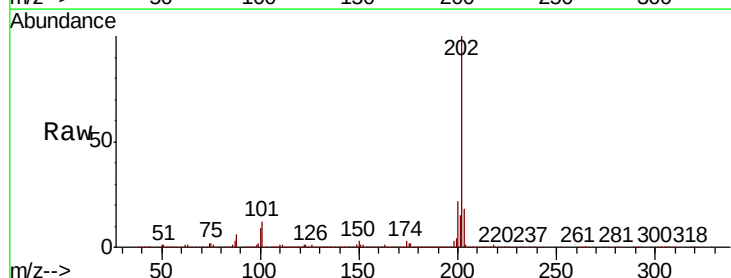
RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

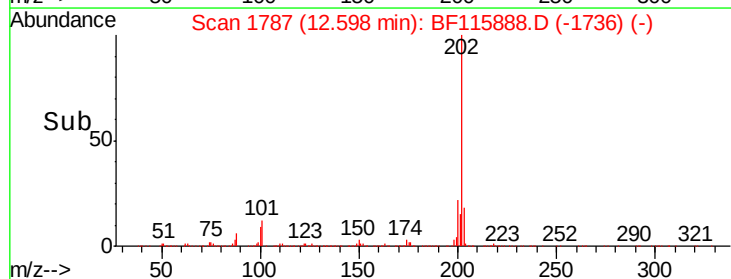
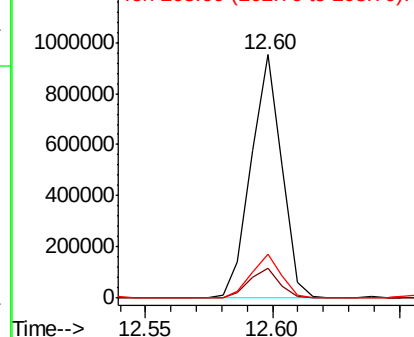
Lab File: BF115888.D

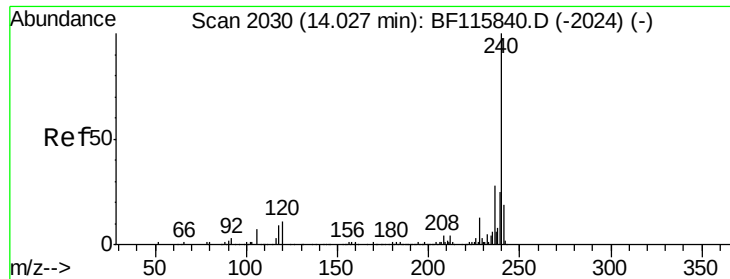
Acq: 1 Aug 2019 1:12

Tgt Ion:202	Resp:	800569
Ion Ratio	Lower	Upper
202 100		
101 12.2	0.0	31.5
203 18.1	0.0	37.9



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





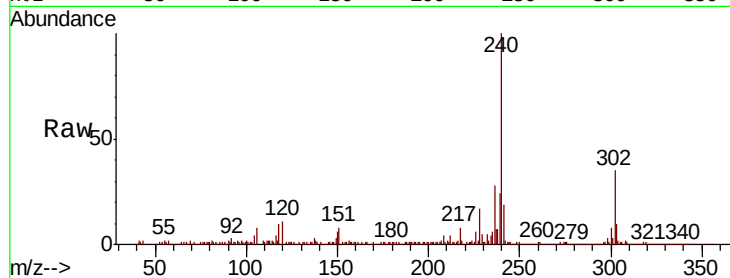
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF115888.D
Acq: 1 Aug 2019 1:12

Instrument :
BNA_F
ClientSampleId :
OR-03-072919-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.5	12.7
236	27.6	22.2	33.2

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8/1/2019 5:07:21 PM

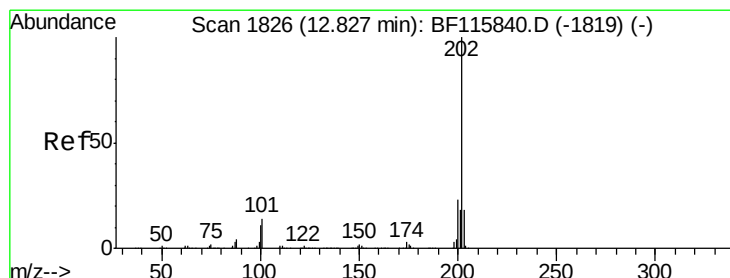
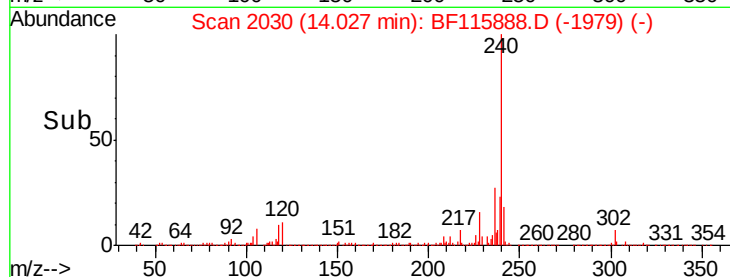
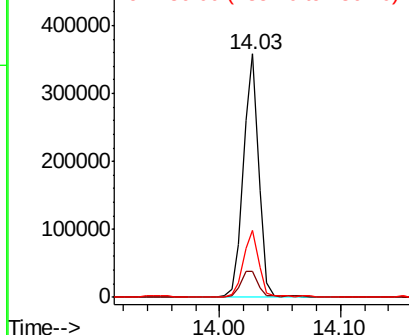


Abundance

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: 31.420 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF115888.D
Acq: 1 Aug 2019 1:12

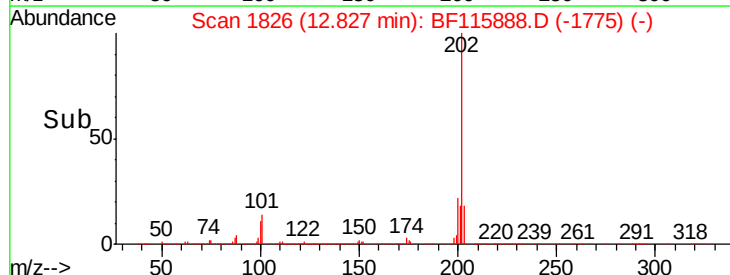
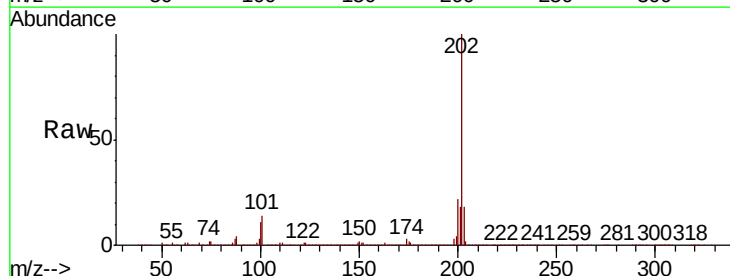
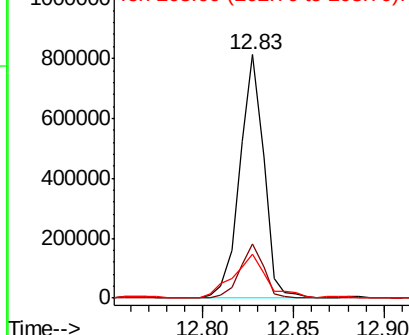
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.3	18.2	27.2
203	18.0	14.3	21.5

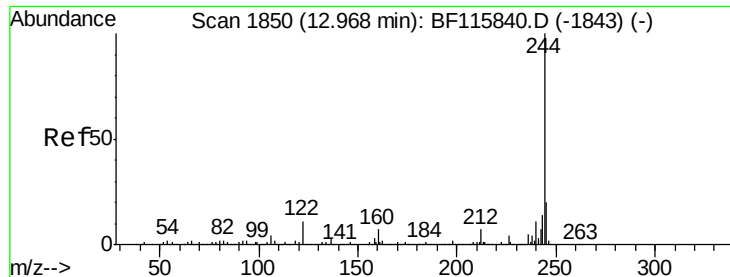
Abundance

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





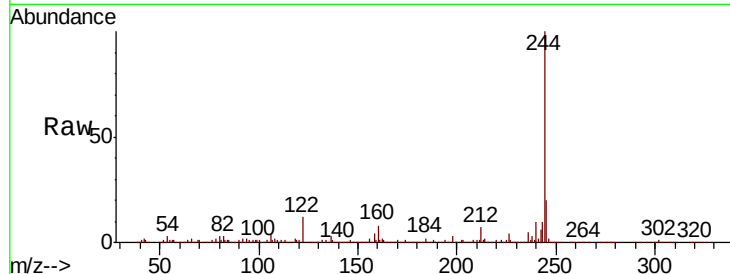
#79
 Terphenyl-d14
 Concen: 33.931 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF115888.D
 Acq: 1 Aug 2019 1:12

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-072919-B

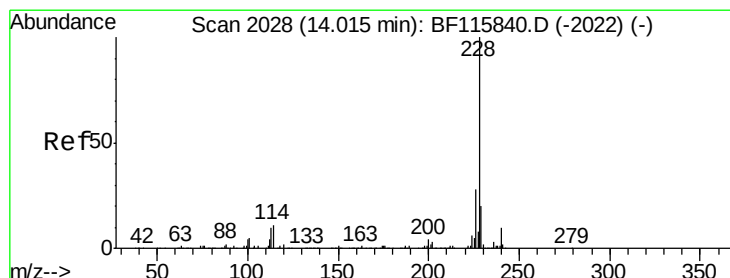
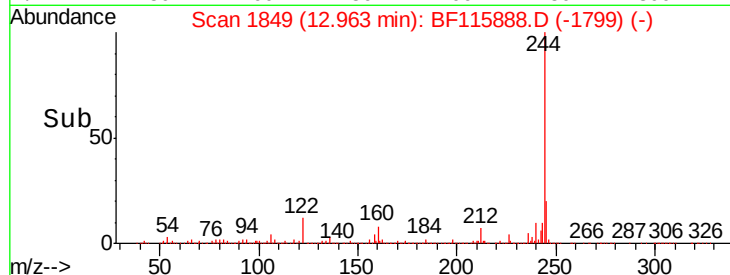
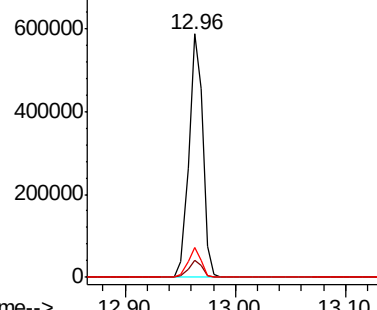
Tot Ion:	244	Resp:	507934
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.6	8.4
122	12.3	8.6	13.0

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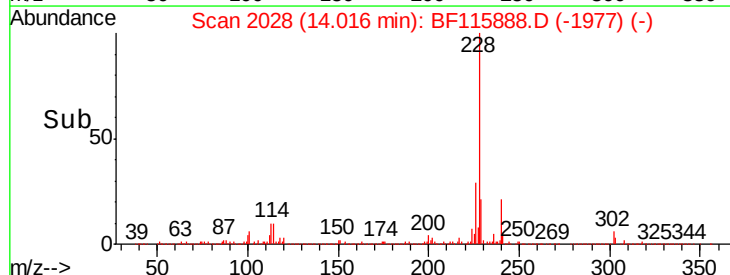
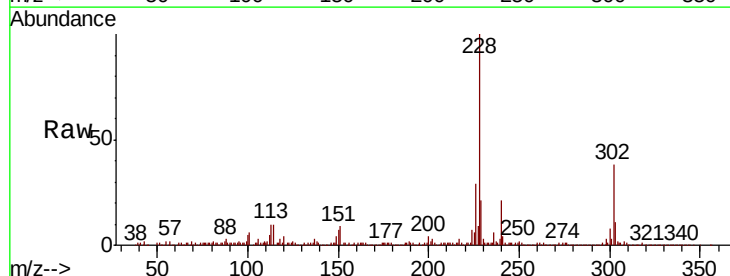
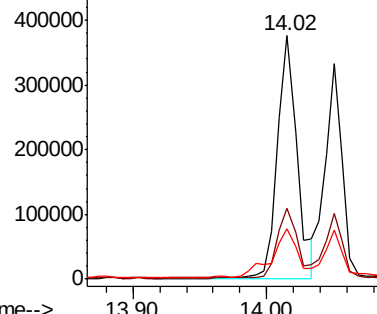
Abundance Ion 244.00 (243.70 to 244.70): E
 800000
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

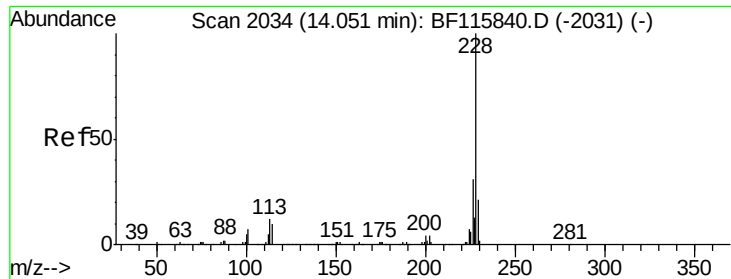


#81
 Benzo(a)anthracene
 Concen: 18.677 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BF115888.D
 Acq: 1 Aug 2019 1:12

Tgt Ion:	228	Resp:	376549
Ion Ratio	Lower	Upper	
228	100		
226	29.0	22.5	33.7
229	20.9	16.1	24.1

Abundance Ion 228.00 (227.70 to 228.70): E
 500000
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





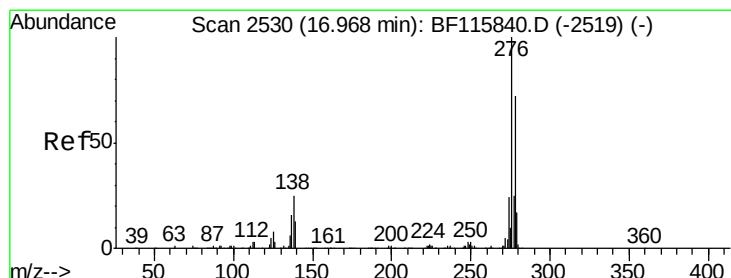
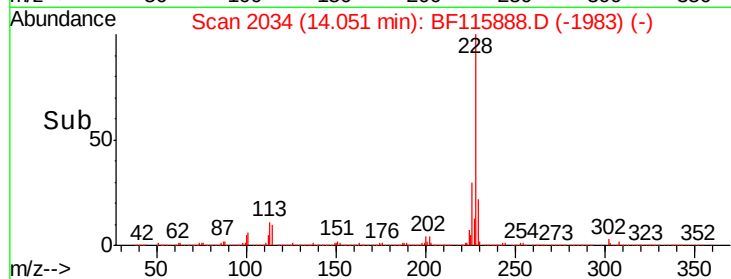
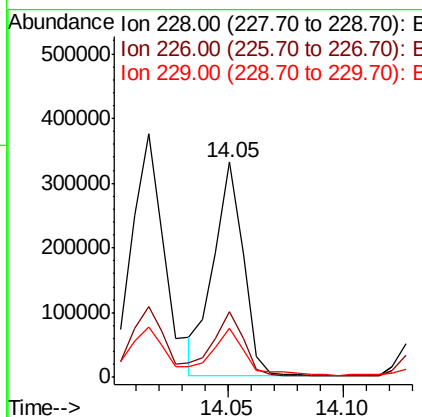
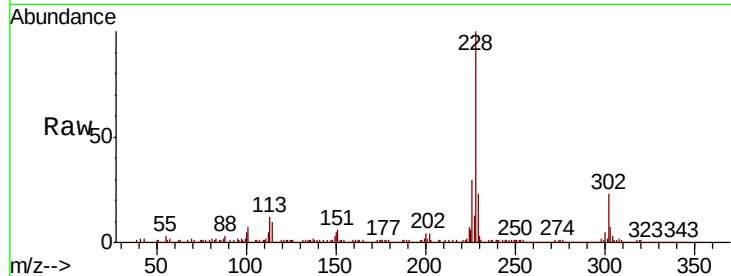
#83
Chrysene
Concen: 15.158 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF115888.D
Acq: 1 Aug 2019 1:12

Instrument :
BNA_F
ClientSampleId :
OR-03-072919-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.8	37.2
229	22.6	16.4	24.6

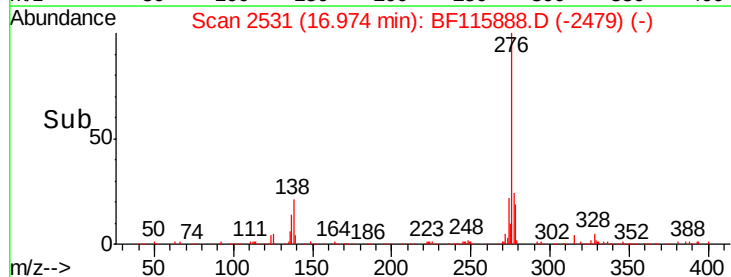
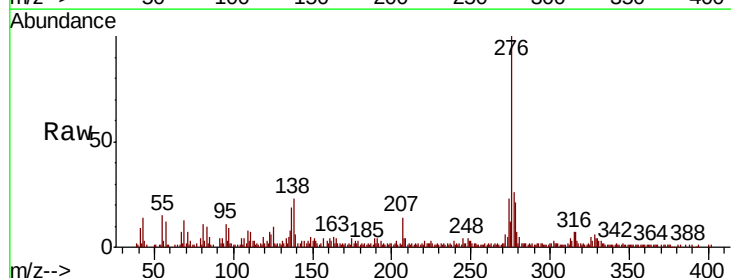
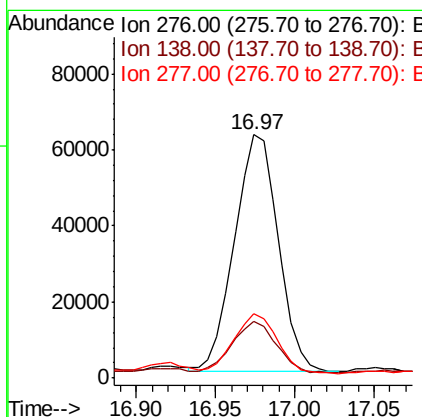
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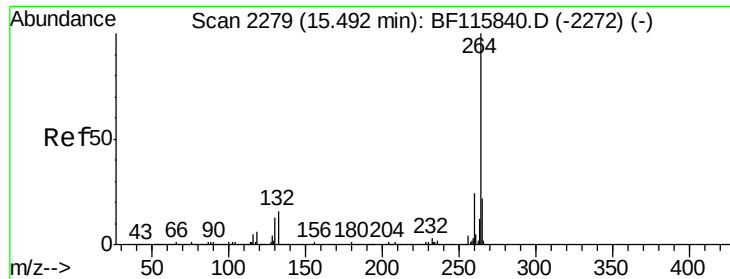
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8/1/2019 5:07:21 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 7.254 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.01 min
Lab File: BF115888.D
Acq: 1 Aug 2019 1:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	19.6	29.4
277	25.4	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

Instrument :

BNA_F

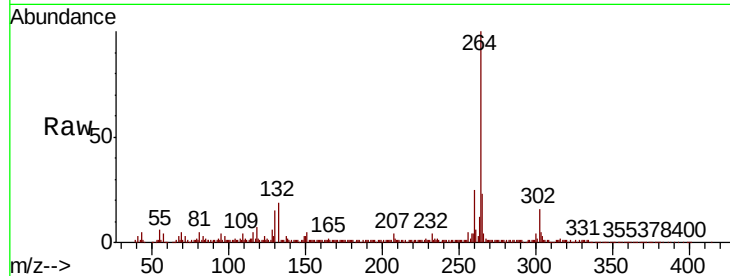
ClientSampleId :

OR-03-072919-B

Tot Ion:	264	Resp:	278728
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.4	29.2
265	23.1	17.5	26.3

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8/1/2019 5:07:21 PM

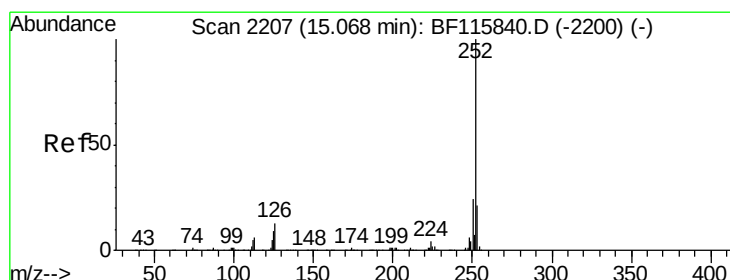
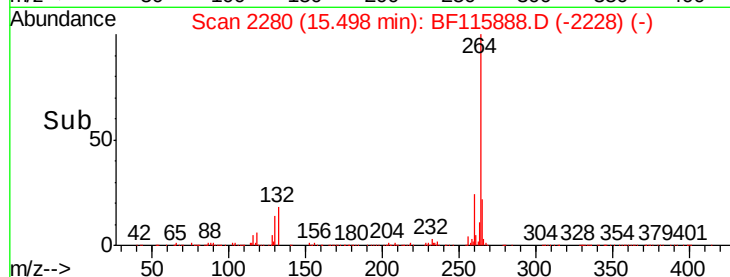
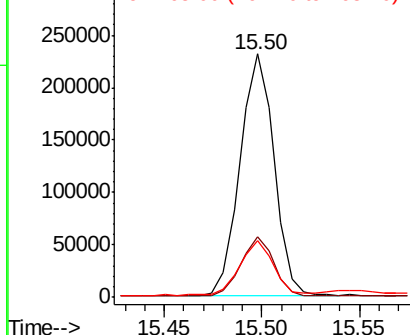


Abundance

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: 21.044 ng m

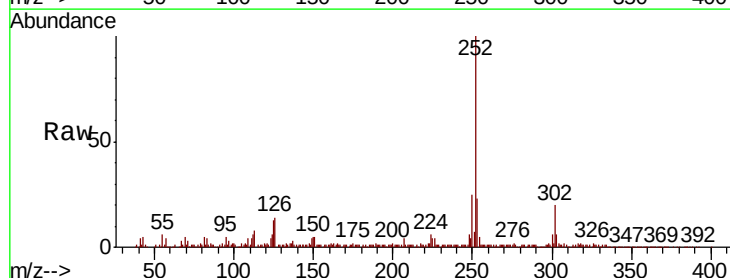
RT: 15.07 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BF115888.D

Acq: 1 Aug 2019 1:12

Tgt Ion:	252	Resp:	339157
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.2	25.8
125	12.6	7.4	11.0#

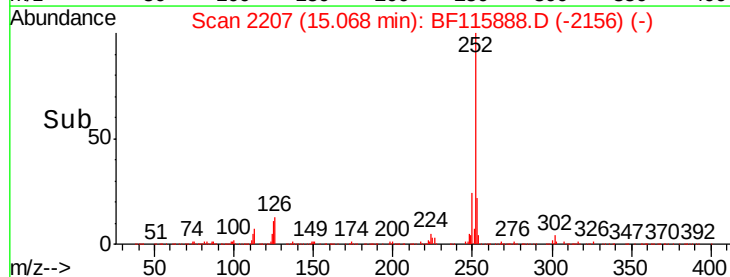
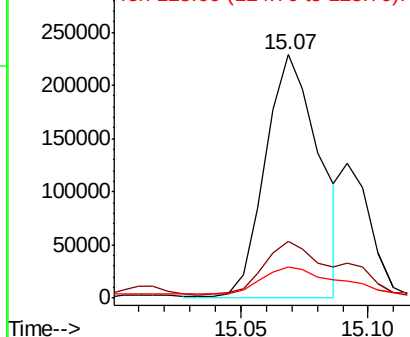


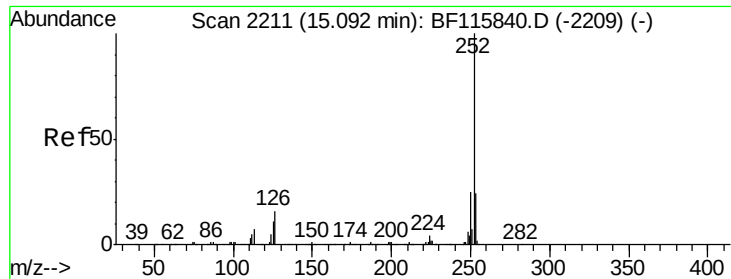
Abundance

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





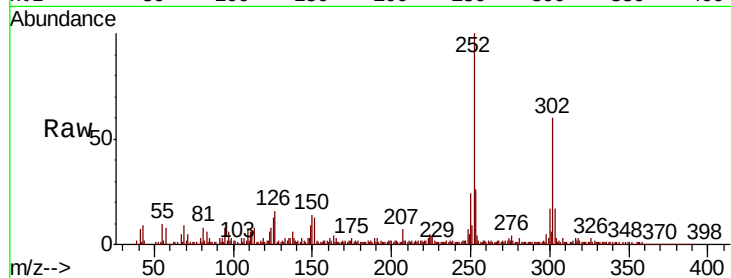
#89
Benzo(k)fluoranthene
Concen: 6.648 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF115888.D
Acq: 1 Aug 2019 1:12

Instrument :
BNA_F
ClientSampleId :
OR-03-072919-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.2	27.4
125	13.0	8.9	13.3

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8/1/2019 5:07:21 PM

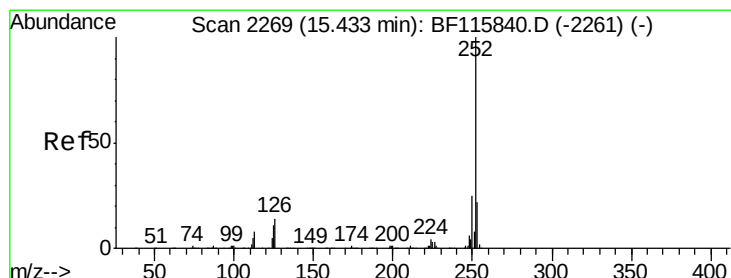
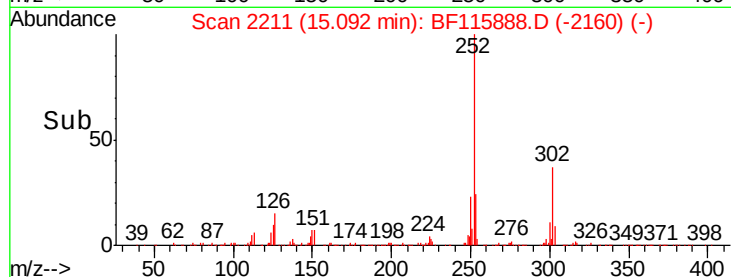
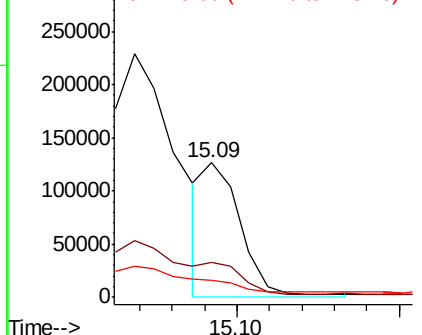


Abundance

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



#90
Benzo(a)pyrene
Concen: 16.696 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF115888.D
Acq: 1 Aug 2019 1:12

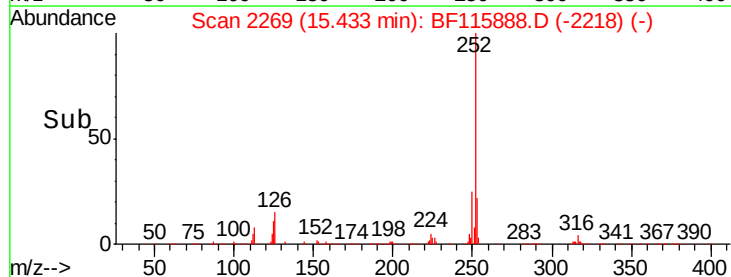
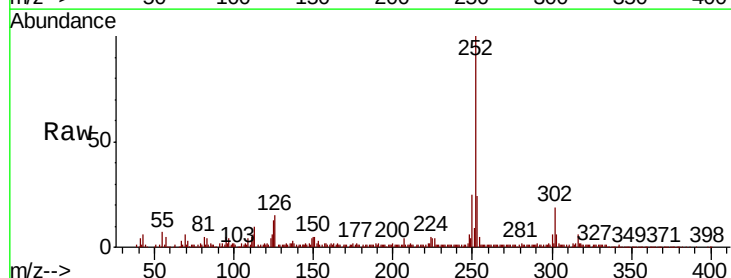
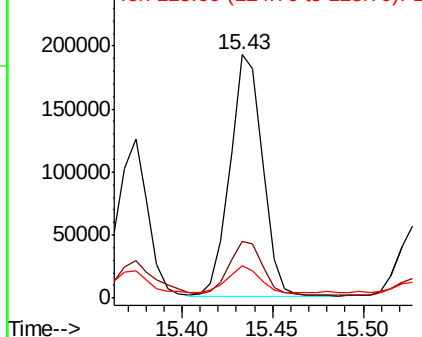
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	13.3	8.8	13.2

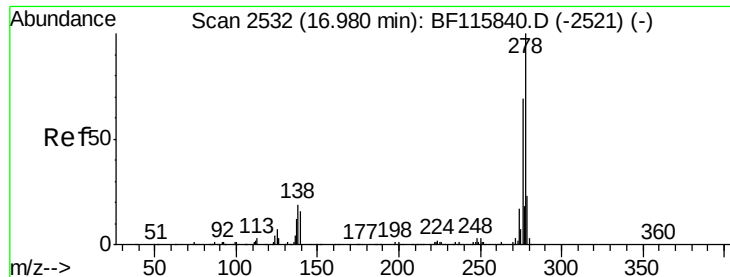
Abundance

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





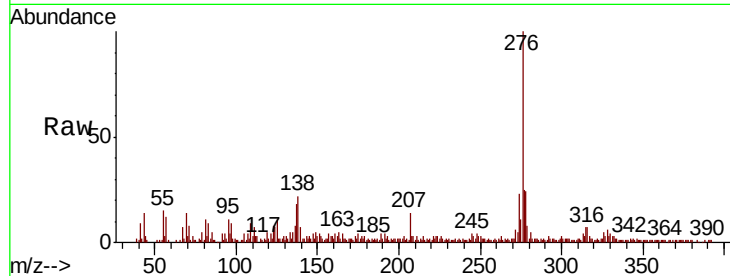
#91
Dibenzo(a,h)anthracene
Concen: 2.359 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.00 min
Lab File: BF115888.D
Acq: 1 Aug 2019 1:12

Instrument :
BNA_F
ClientSampleId :
OR-03-072919-B

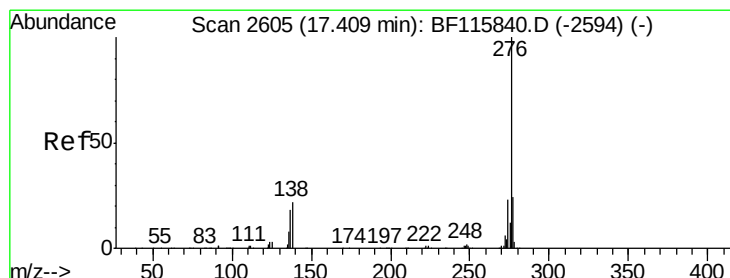
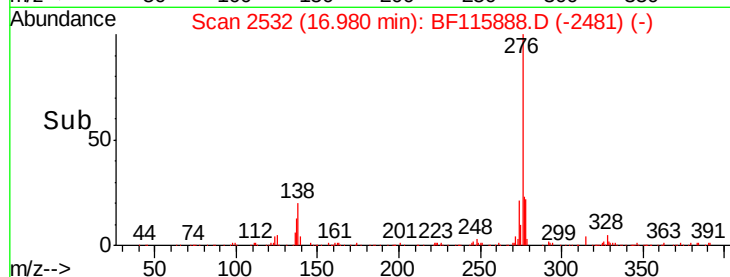
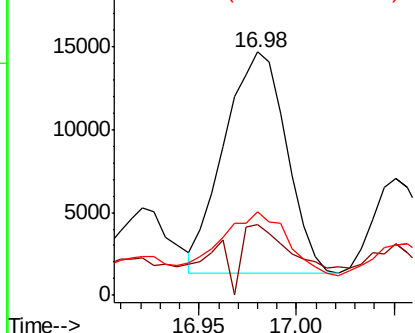
Tot Ion	Ratio	Lower	Upper
278	100		
139	29.3	12.6	19.0#
279	34.5	18.8	28.2#

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8/1/2019 5:07:21 PM



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: 9.609 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.02 min
Lab File: BF115888.D
Acq: 1 Aug 2019 1:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.5	29.3
138	21.6	17.8	26.8

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

