

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
 Data File : BF115889.D
 Acq On : 1 Aug 2019 1:38
 Operator : HP/JU
 Sample : K3622-13 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Aug 01 08:48:35 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	135247	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	500949	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	234958	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	388770	20.00	ng	0.00
76) Chrysene-d12	14.03	240	331448	20.00	ng	0.00
87) Perylene-d12	15.50	264	266824	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	338839	41.94	ng	0.00
7) Phenol-d6	6.48	99	446934	43.85	ng	0.00
23) Nitrobenzene-d5	7.41	82	246864	28.45	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	94201	41.35	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	491409	39.17	ng	0.00
79) Terphenyl-d14	12.96	244	515405	32.77	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.60	163	105253	6.579	ng	99
58) Fluorene	10.44	166	35277	2.552	ng	98
71) Phenanthrene	11.40	178	206240	10.377	ng	99
72) Anthracene	11.46	178	55333	2.751	ng	98
75) Fluoranthene	12.60	202	253936	12.204	ng	98
78) Pyrene	12.83	202	269978	10.806	ng	99
81) Benzo(a)anthracene	14.02	228	102715	4.848	ng	92
83) Chrysene	14.05	228	110386	5.367	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	35988	2.083	ng	97
88) Benzo(b)fluoranthene	15.07	252	96120m	6.230	ng	
90) Benzo(a)pyrene	15.43	252	66633	4.831	ng	# 89
92) Benzo(a,h,i)perylene	17.43	276	37942	3.236	ng	# 94

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

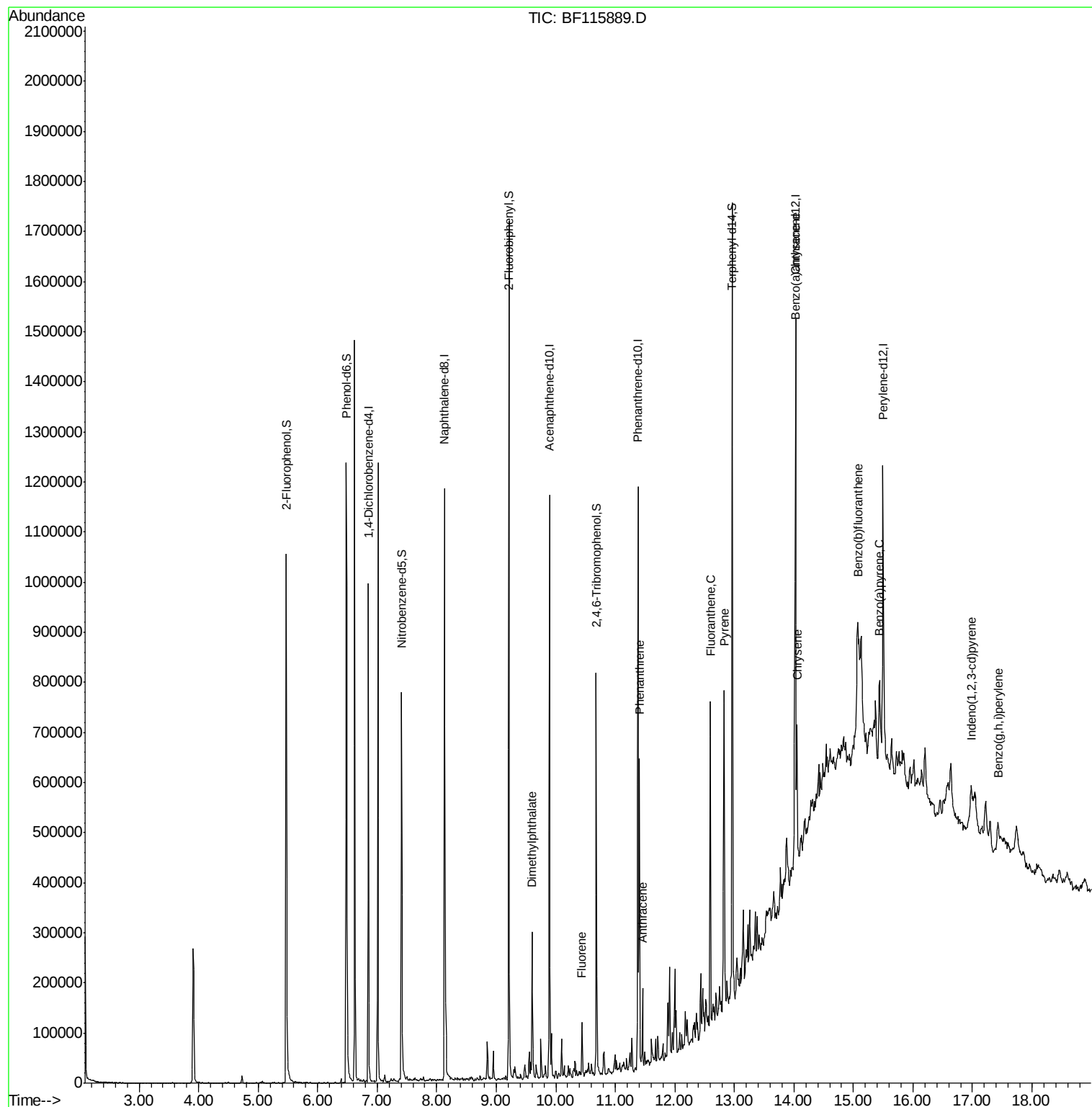
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
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ALS Vial : 21 Sample Multiplier: 1

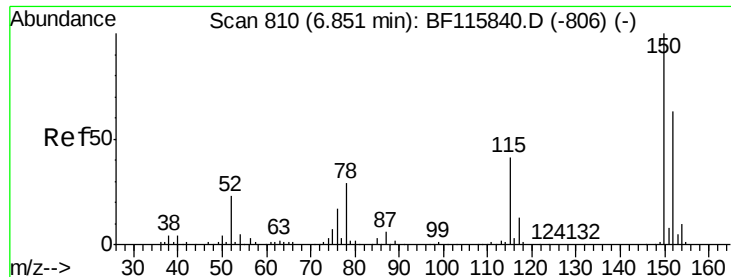
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
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#1

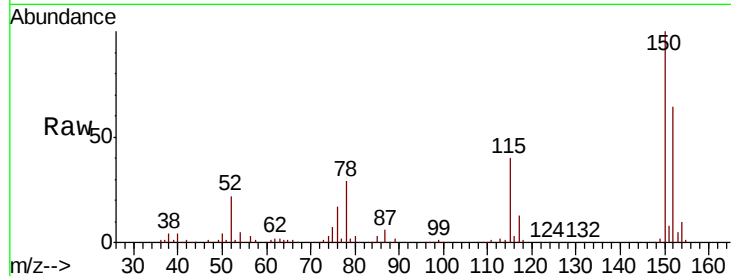
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115889.D
Acq: 1 Aug 2019 1:38

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	127.4	191.0
115	62.7	51.8	77.8

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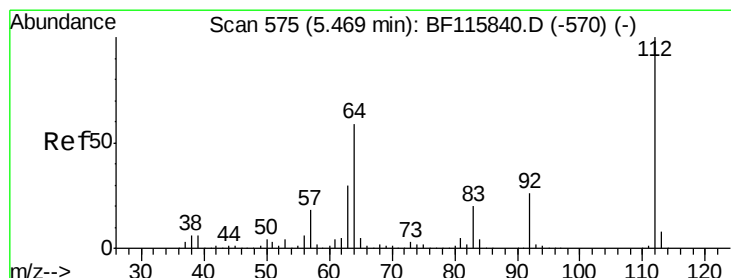
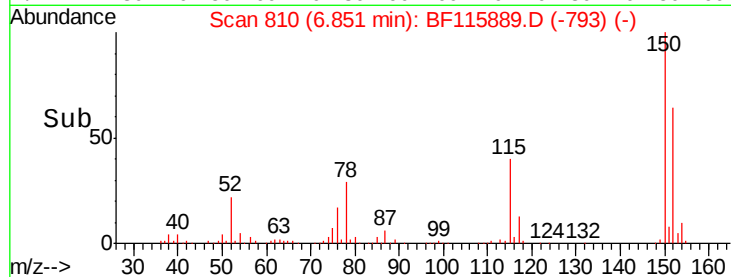
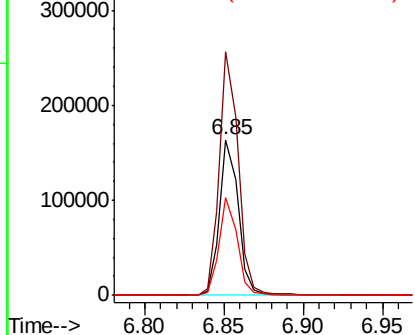


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

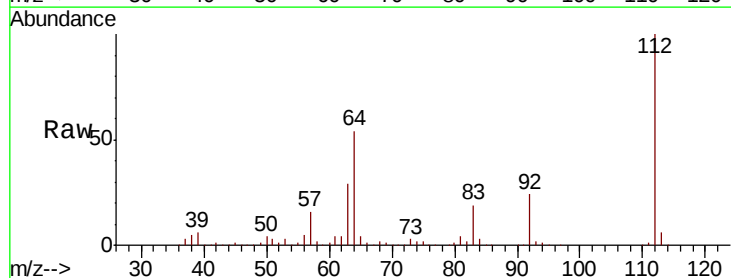
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 41.941 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF115889.D
Acq: 1 Aug 2019 1:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	46.8	70.2
63	28.8	24.2	36.2

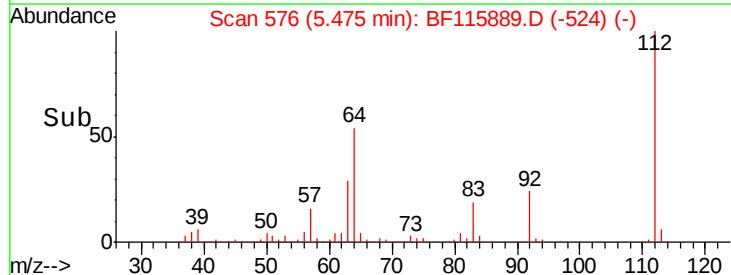
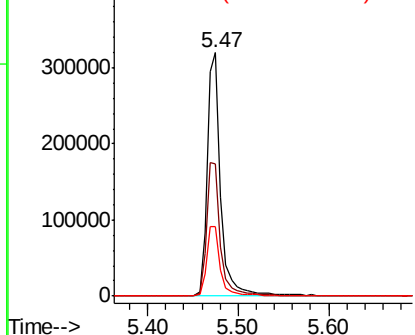


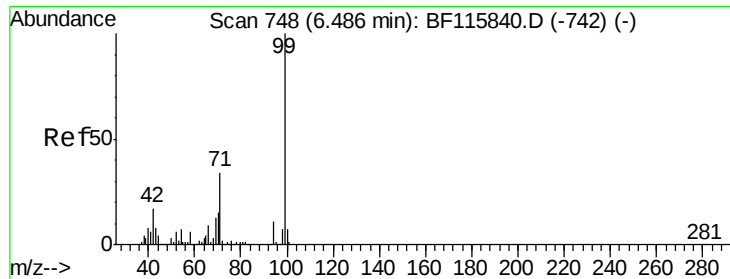
Abundance

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: 43.847 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115889.D

Acq: 1 Aug 2019 1:38

Instrument :

BNA_F

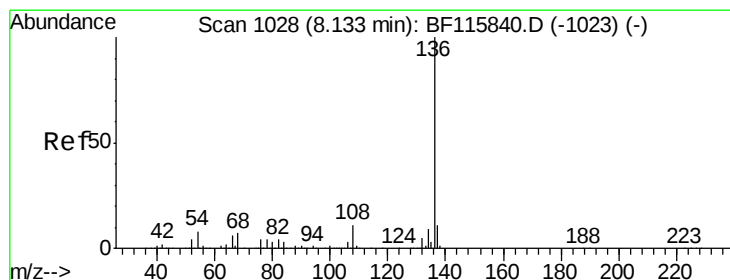
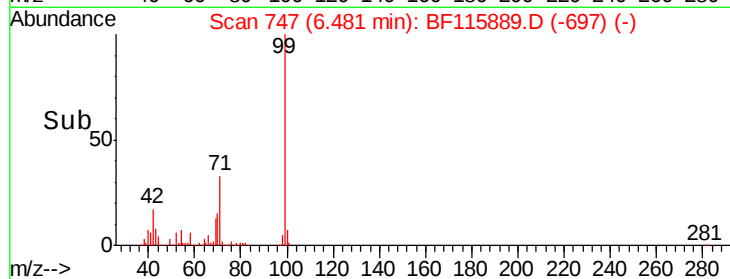
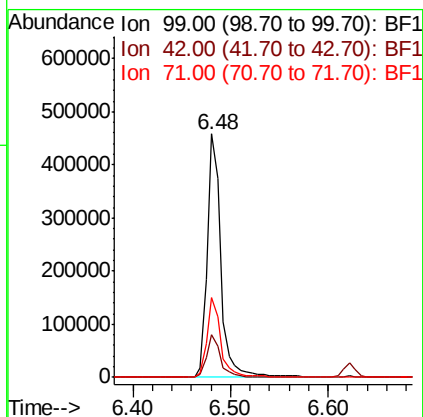
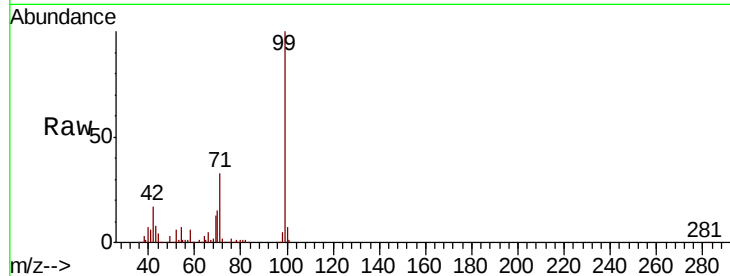
ClientSampleId :

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Tot Ion:	99	Resp:	446934
Ion Ratio	Lower	Upper	
99	100		
42	17.4	13.8	20.6
71	33.0	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

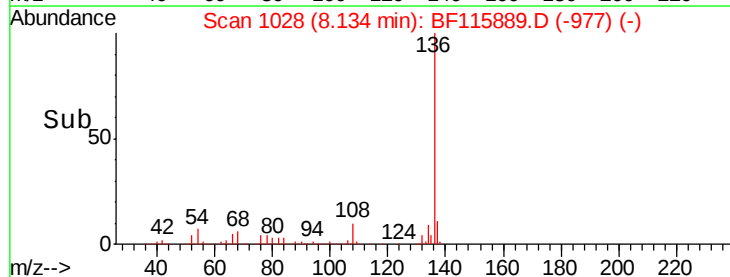
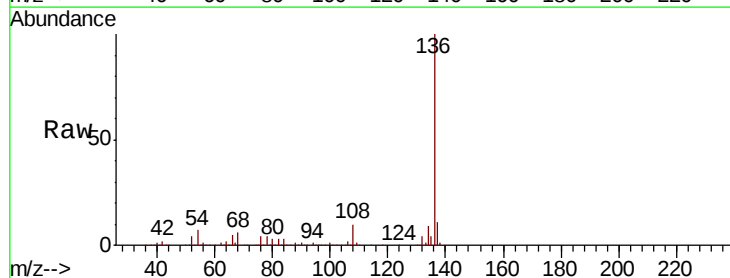
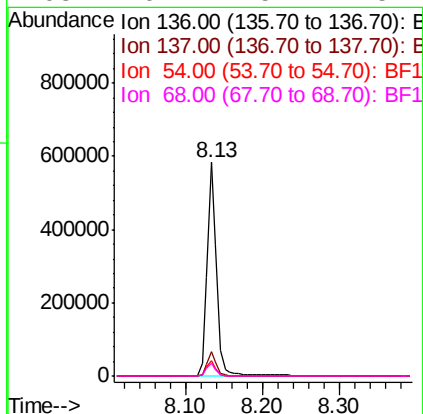
RT: 8.13 min Scan# 1028

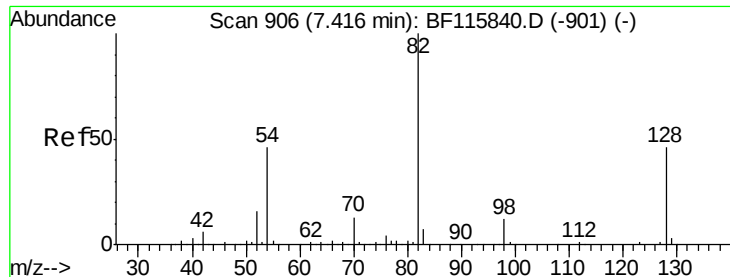
Delta R.T. 0.00 min

Lab File: BF115889.D

Acq: 1 Aug 2019 1:38

Tgt Ion:	136	Resp:	500949
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.1	13.7
54	7.3	6.1	9.1
68	6.2	5.4	8.2





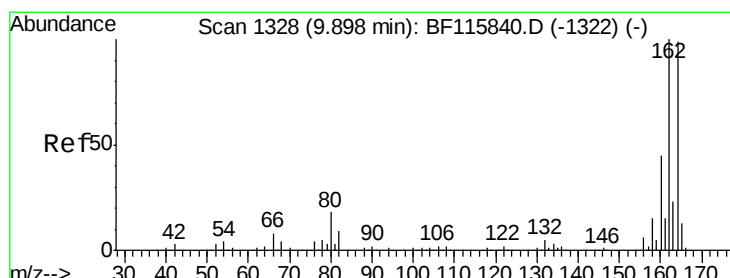
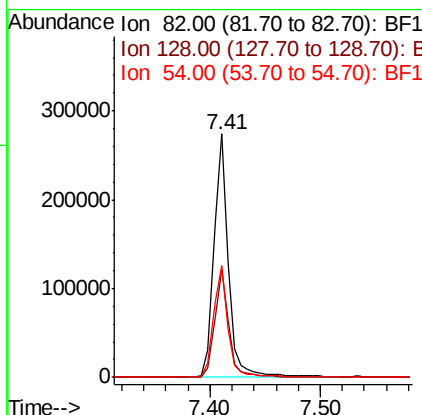
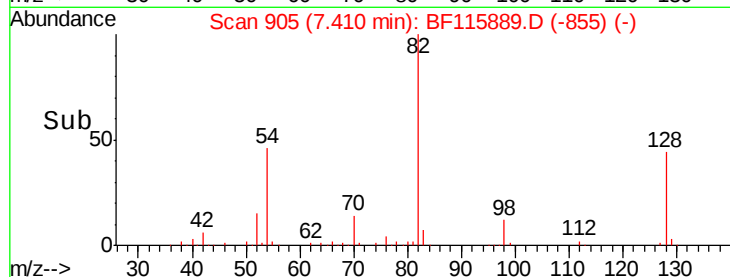
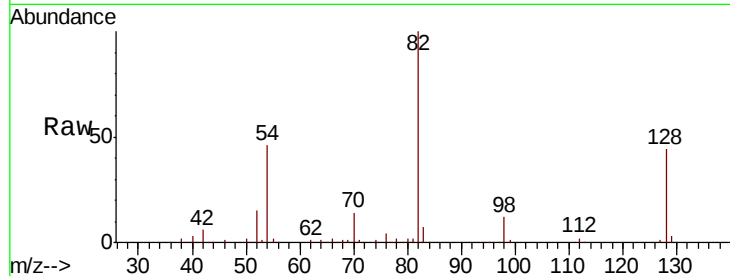
#23
 Nitrobenzene-d5
 Concen: 28.446 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF115889.D
 Acq: 1 Aug 2019 1:38

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

Tot Ion	82	Resp	246864
Ion Ratio	100	Lower	Upper
82	100		
128	44.1	36.6	55.0
54	45.7	36.6	55.0

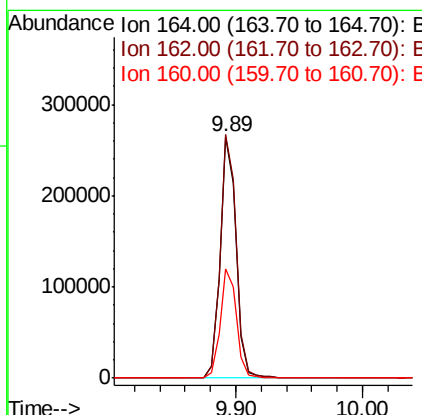
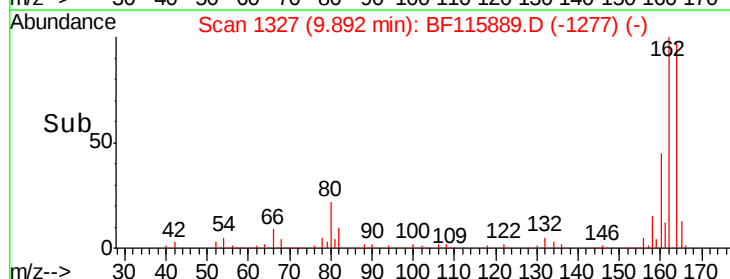
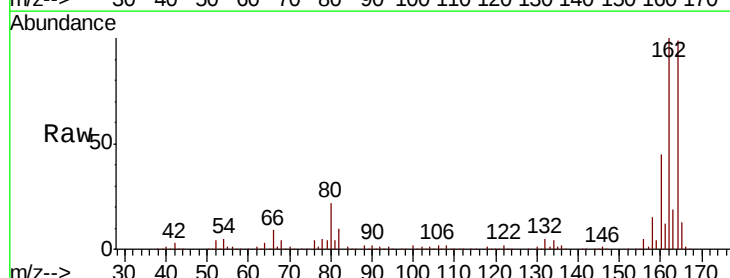
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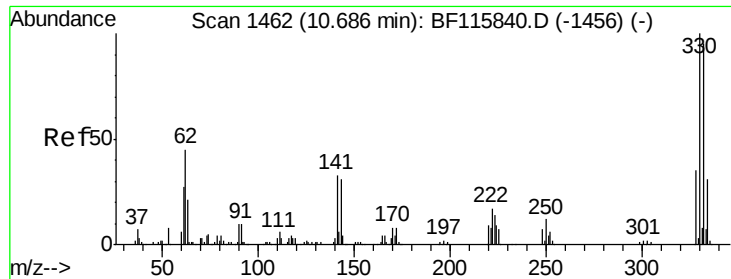
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF115889.D
 Acq: 1 Aug 2019 1:38

Tgt Ion	164	Resp	234958
Ion Ratio	100	Lower	Upper
164	100		
162	100.9	80.8	121.2
160	45.5	36.2	54.4





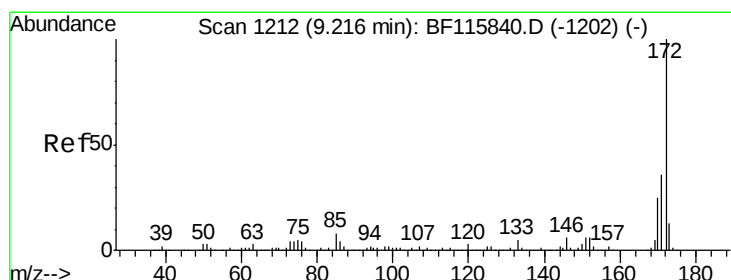
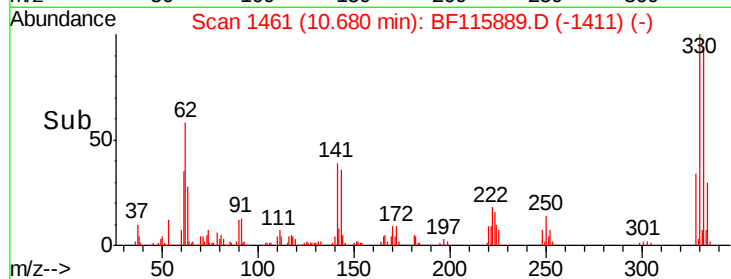
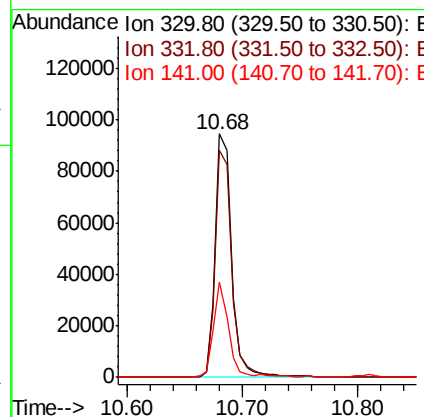
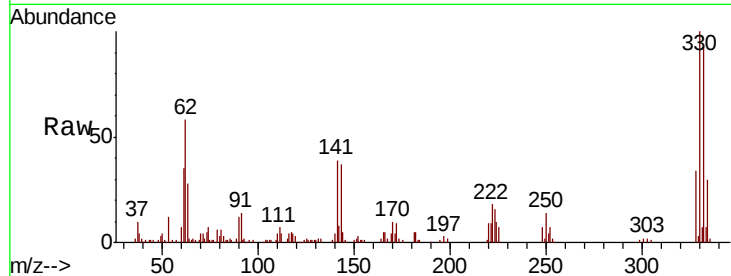
#42
 2,4,6-Tribromophenol
 Concen: 41.353 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF115889.D
 Acq: 1 Aug 2019 1:38

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.1	77.7	116.5
141	36.4	28.1	42.1

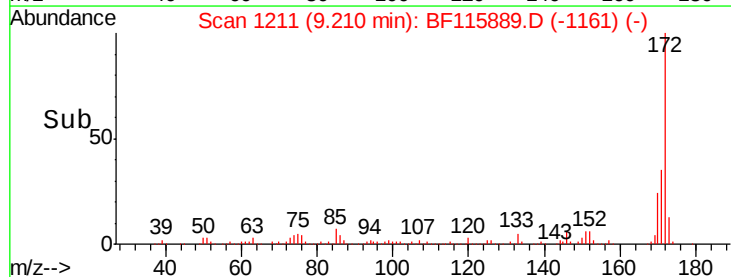
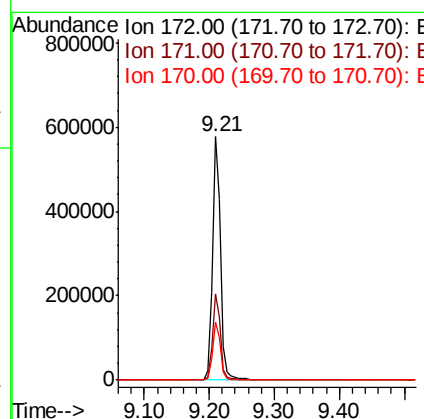
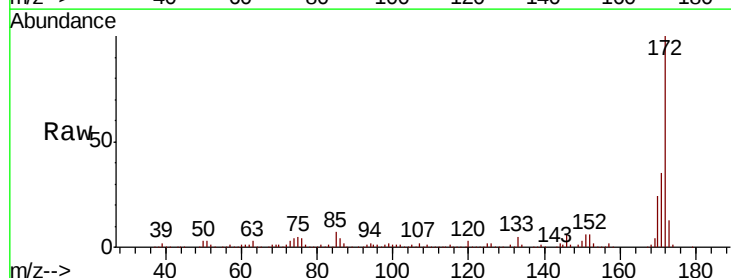
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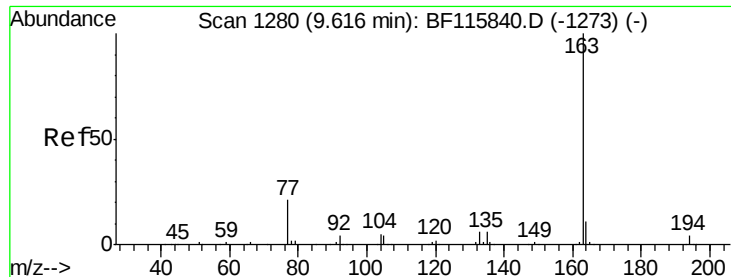
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#45
 2-Fluorobiphenyl
 Concen: 39.175 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF115889.D
 Acq: 1 Aug 2019 1:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.1	43.7
170	23.8	20.1	30.1





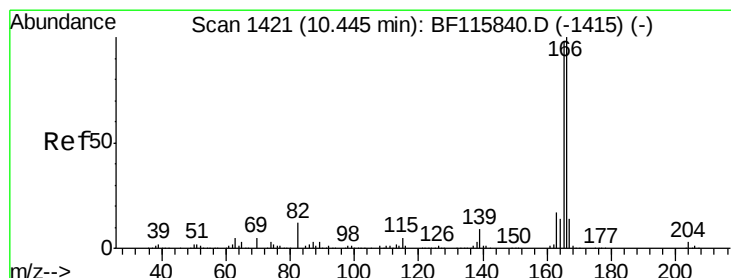
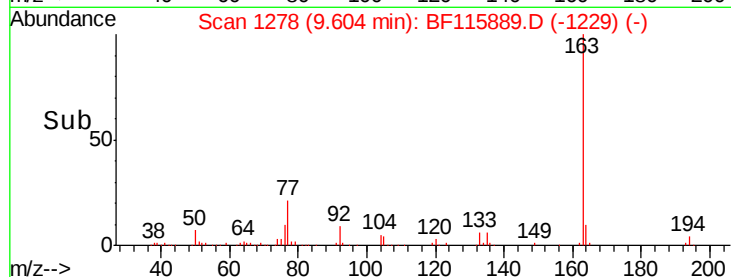
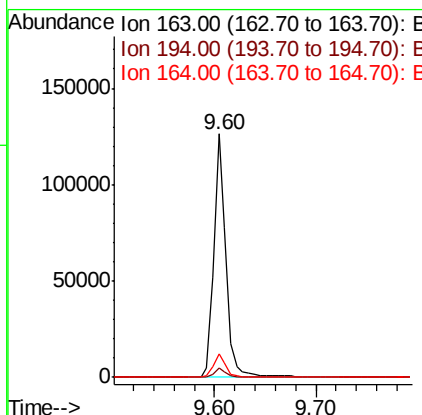
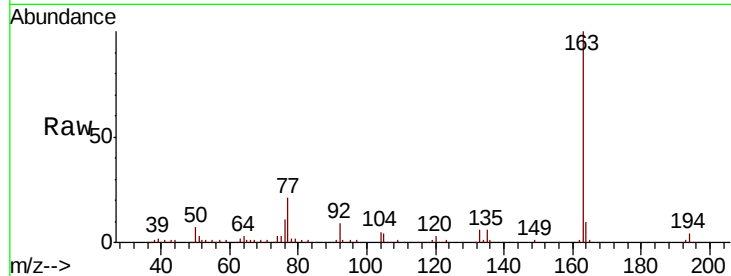
#50
Dimethylphthalate
Concen: 6.579 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF115889.D
Acq: 1 Aug 2019 1:38

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Tot Ion:	163	Resp:	105253
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	9.9	8.4	12.6

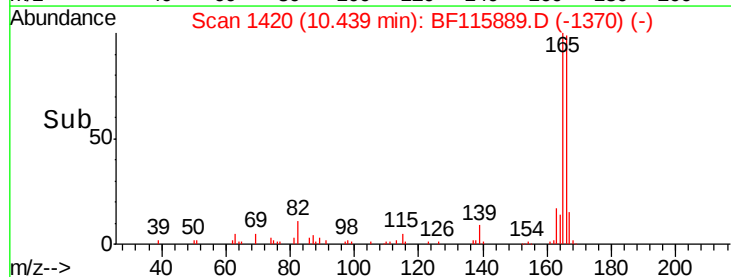
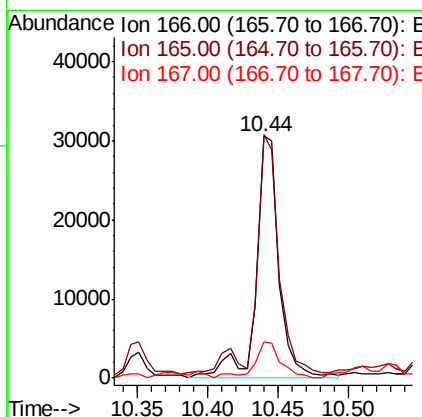
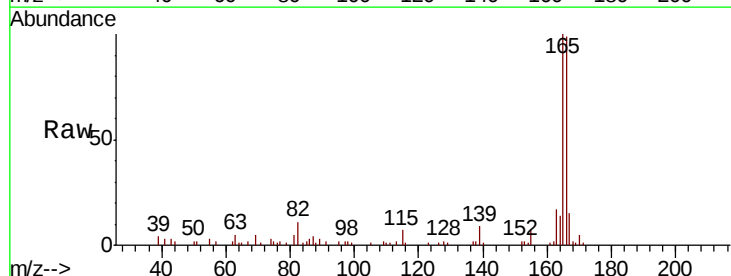
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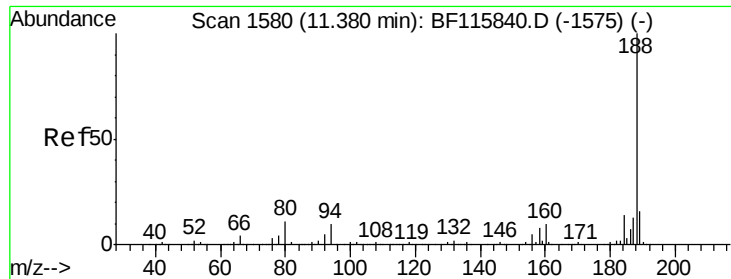
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#58
Fluorene
Concen: 2.552 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF115889.D
Acq: 1 Aug 2019 1:38

Tgt Ion:	166	Resp:	35277
Ion Ratio	Lower	Upper	
166	100		
165	100.5	78.6	118.0
167	15.0	10.9	16.3





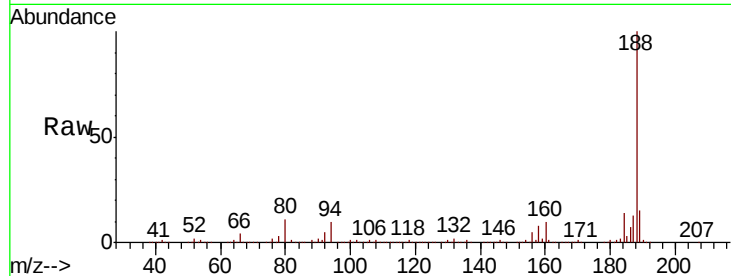
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF115889.D
 Acq: 1 Aug 2019 1:38

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

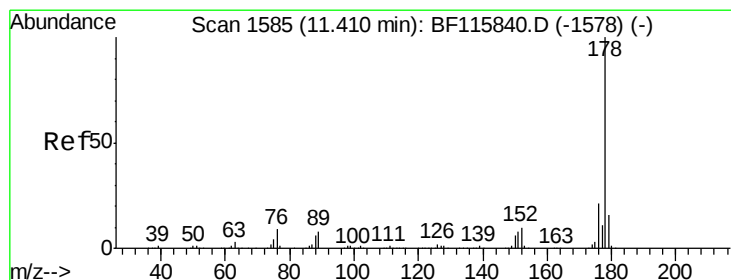
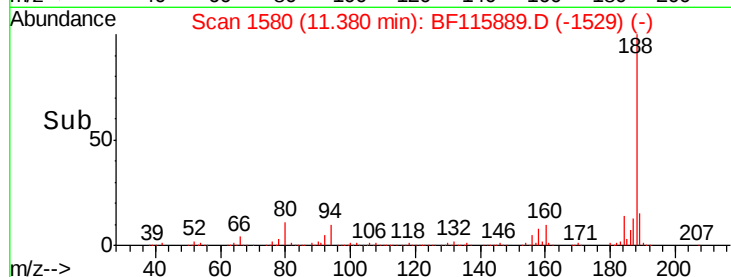
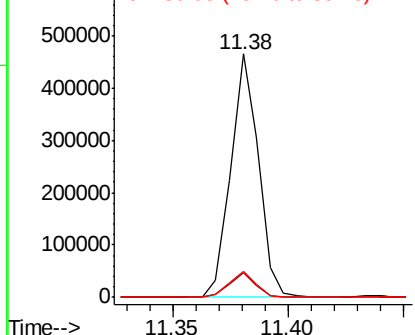
Tot Ion	Ratio	Resp	Lower	Upper
188	100	388770		
94	10.2		8.0	12.0
80	10.7		8.6	12.8

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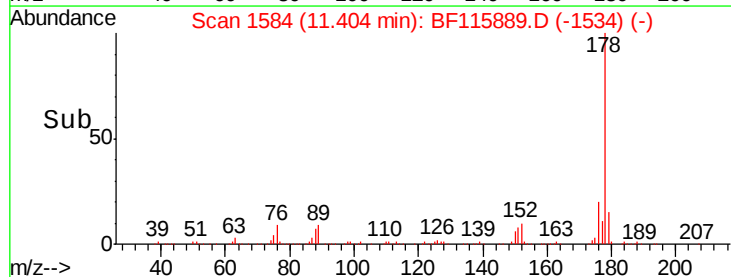
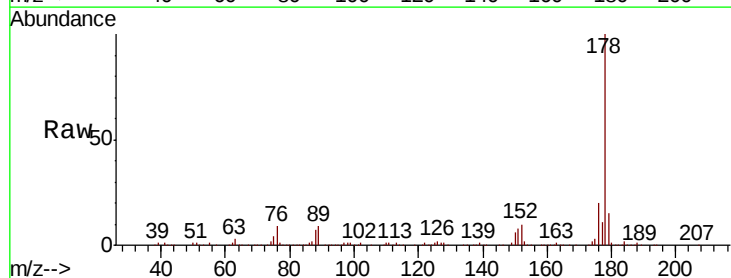
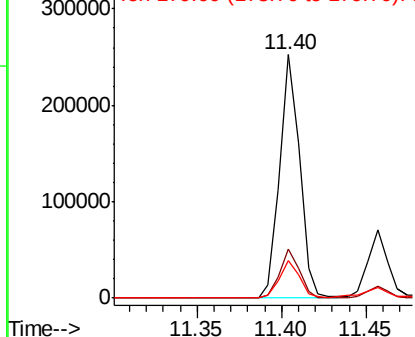
Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

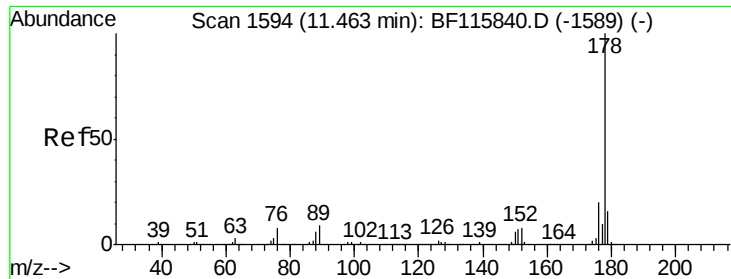


#71
 Phenanthrene
 Concen: 10.377 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF115889.D
 Acq: 1 Aug 2019 1:38

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	206240		
176	20.1		16.5	24.7
179	15.4		12.6	18.8

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: 2.751 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF115889.D

Acq: 1 Aug 2019 1:38

Instrument :

BNA_F

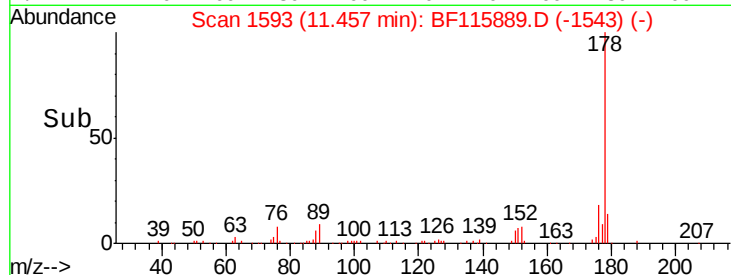
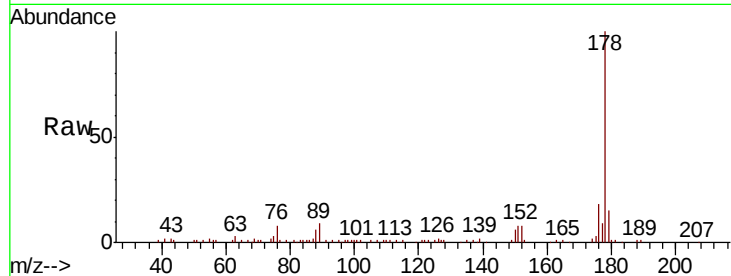
ClientSampleId :

OR-03-072919-A

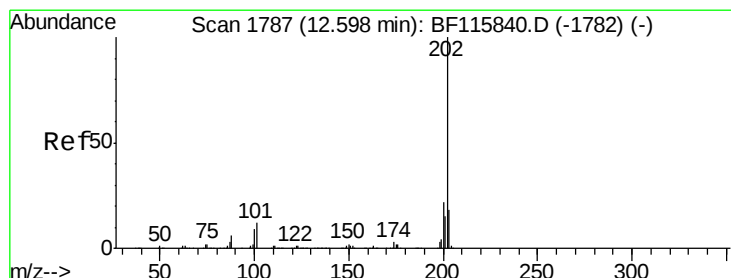
Tot Ion:	178	Resp:	55333
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.7	23.5
179	15.1	12.4	18.6

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#75

Fluoranthene

Concen: 12.204 ng

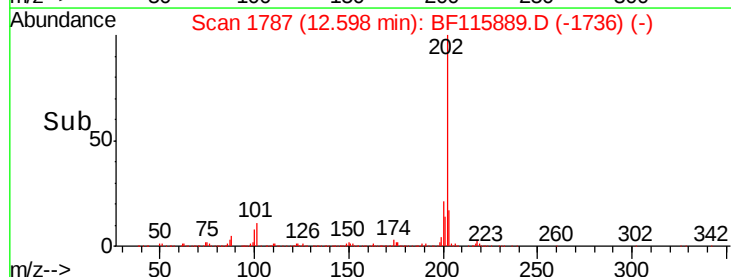
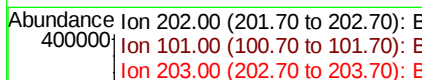
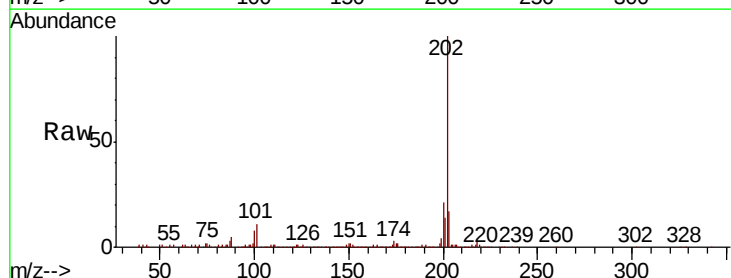
RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

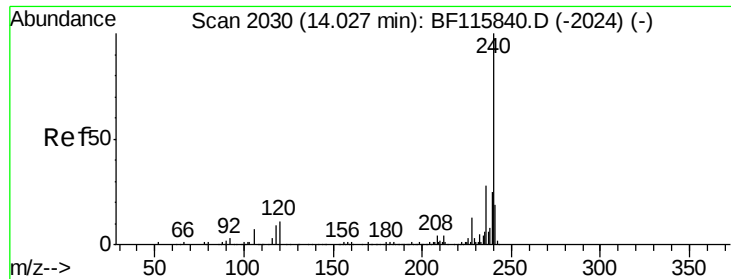
Lab File: BF115889.D

Acq: 1 Aug 2019 1:38

Tgt Ion:	202	Resp:	253936
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	31.5
203	17.3	0.0	37.9



Time-->



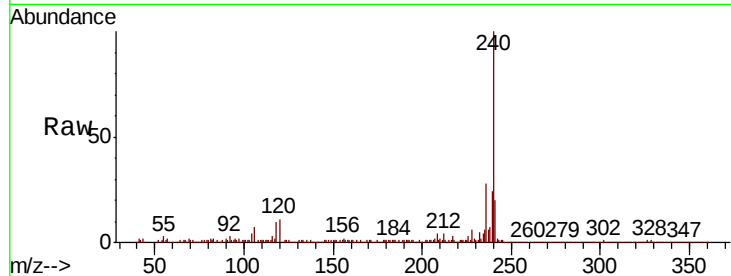
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF115889.D
Acq: 1 Aug 2019 1:38

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.5	12.7
236	27.9	22.2	33.2

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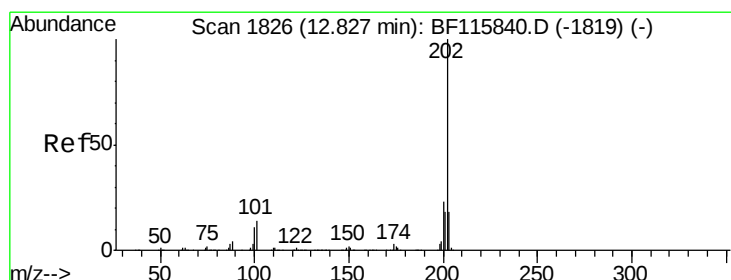
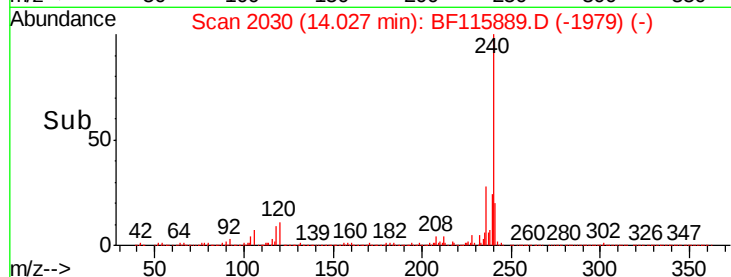
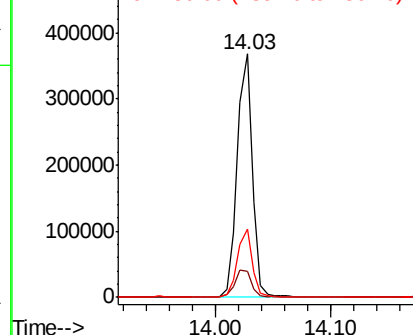


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 10.806 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF115889.D
Acq: 1 Aug 2019 1:38

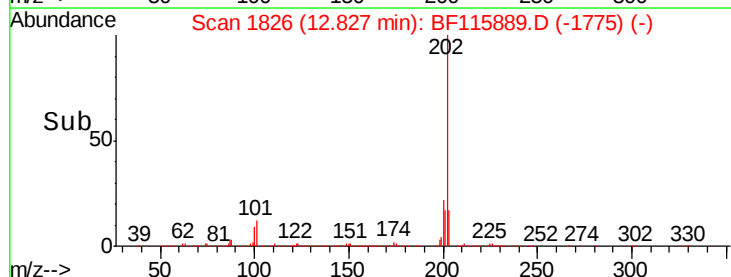
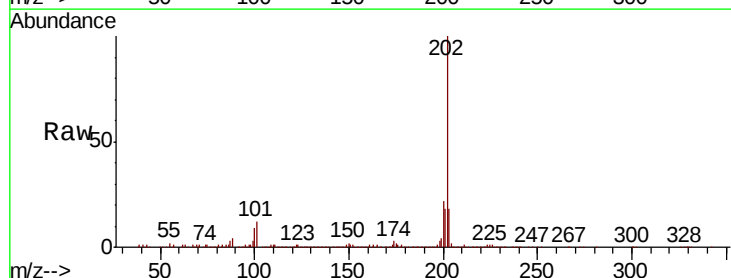
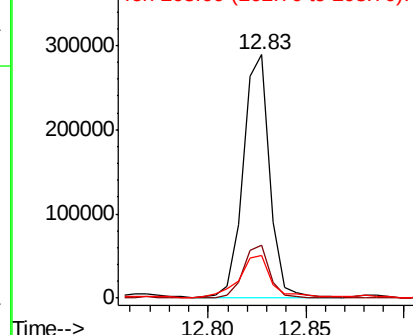
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	18.2	27.2
203	17.7	14.3	21.5

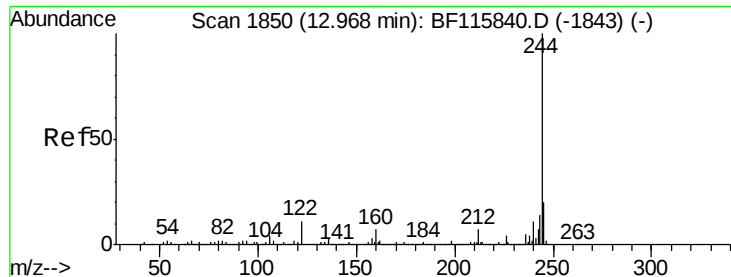
Abundance

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





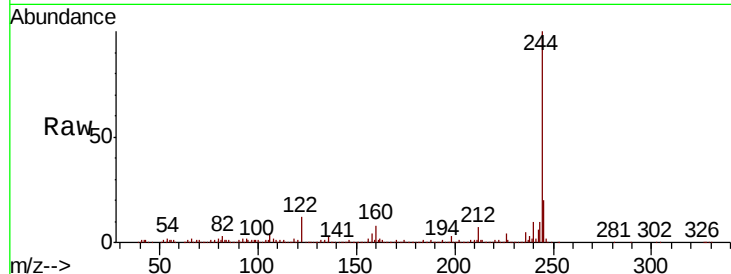
#79
 Terphenyl-d14
 Concen: 32.767 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF115889.D
 Acq: 1 Aug 2019 1:38

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

Tot Ion	Ratio	Resp	Lower	Upper
244	100	515405		
212	6.7		5.6	8.4
122	11.9		8.6	13.0

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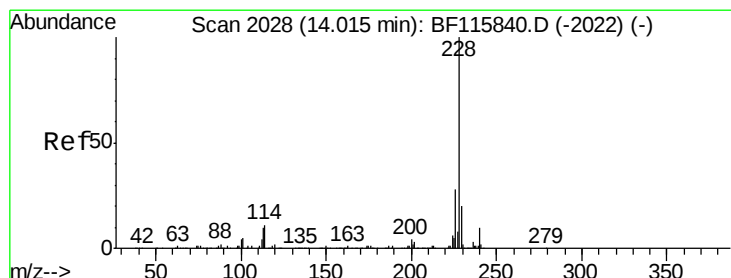
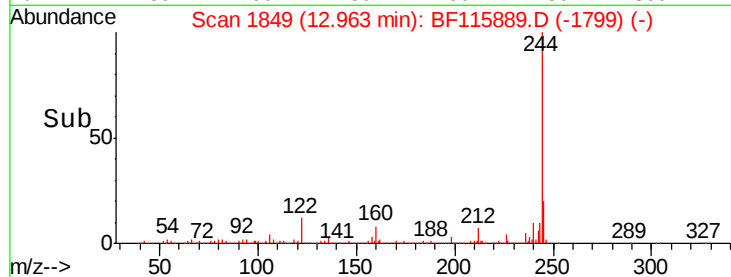
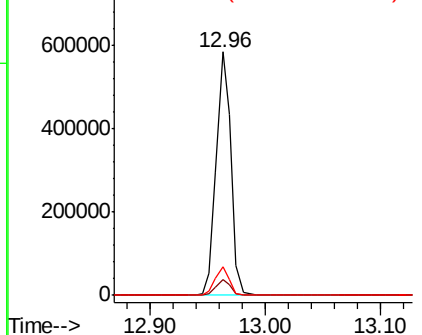


Abundance

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: 4.848 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BF115889.D
 Acq: 1 Aug 2019 1:38

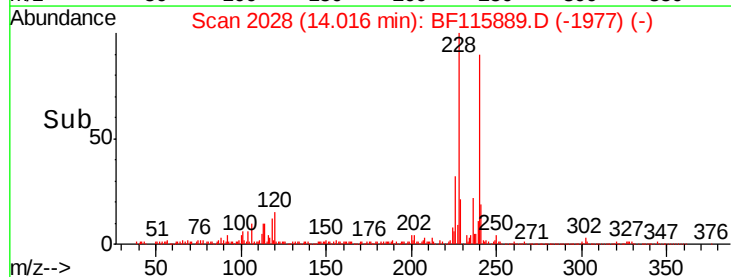
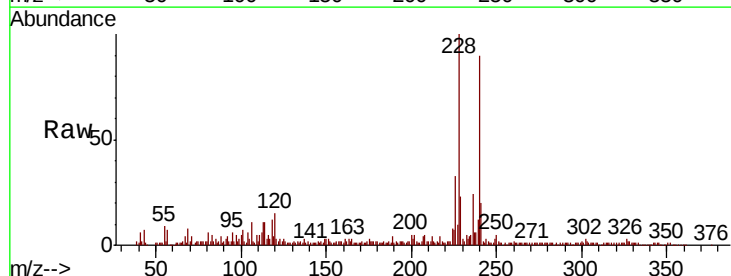
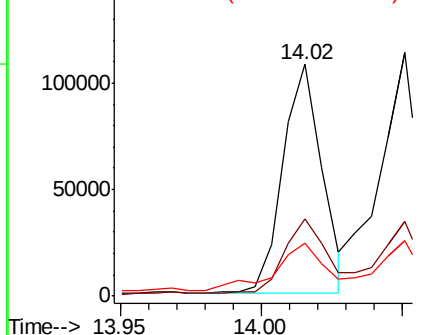
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	102715		
226	33.4		22.5	33.7
229	22.8		16.1	24.1

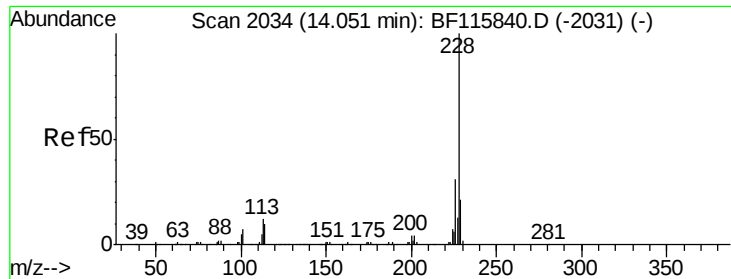
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





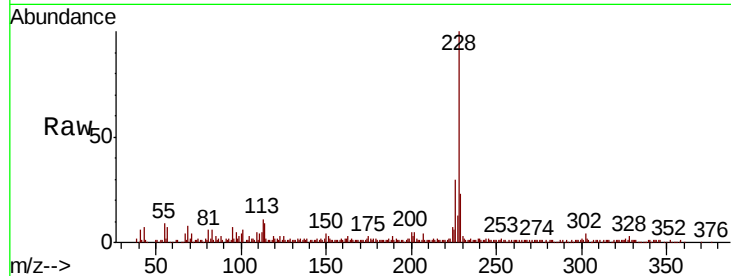
#83
Chrysene
Concen: 5.367 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF115889.D
Acq: 1 Aug 2019 1:38

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.5		24.8	37.2	
229	22.5		16.4	24.6	

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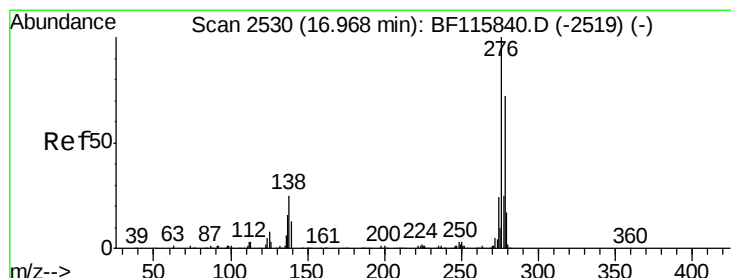
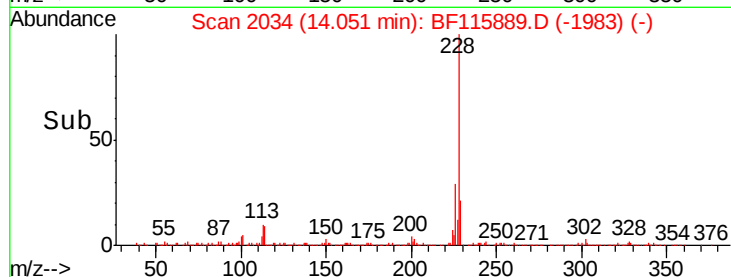
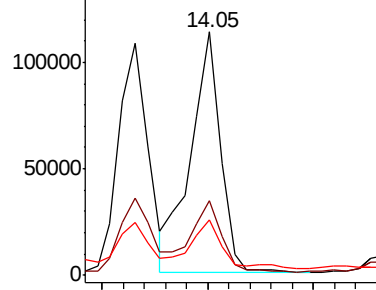


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.083 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.01 min
Lab File: BF115889.D
Acq: 1 Aug 2019 1:38

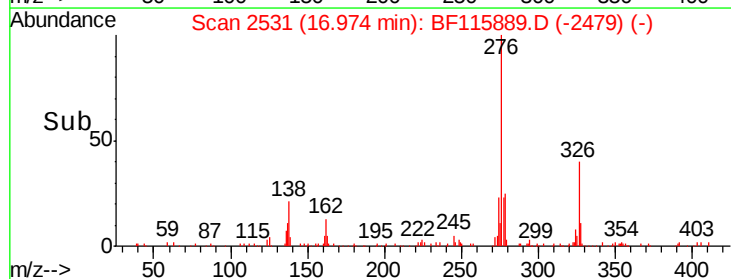
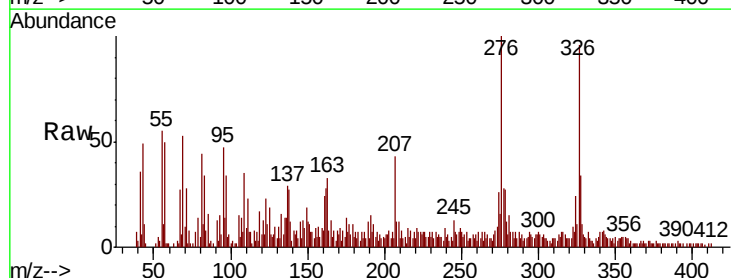
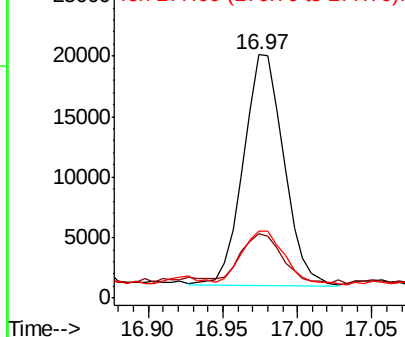
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	21.8		19.6	29.4	
277	25.0		20.1	30.1	

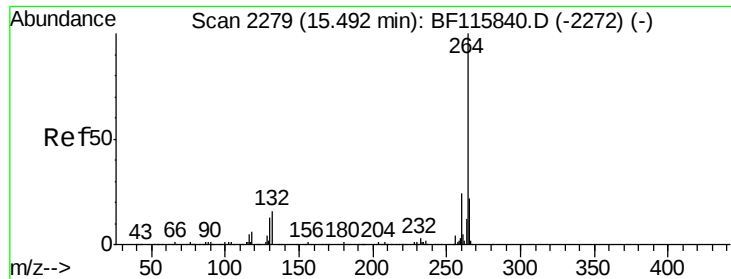
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





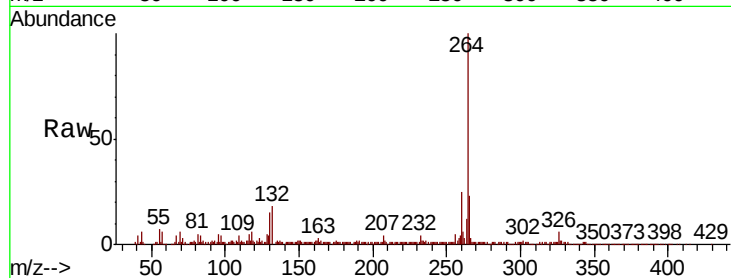
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF115889.D
Acq: 1 Aug 2019 1:38

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.4	29.2
265	23.0	17.5	26.3

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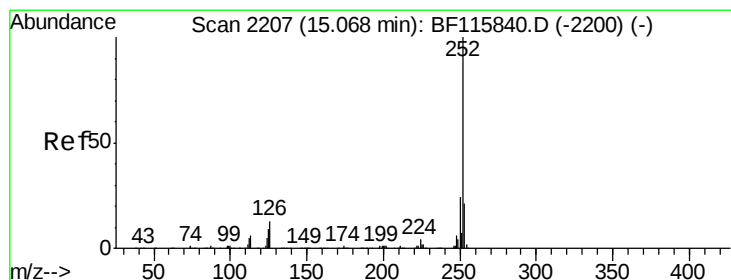
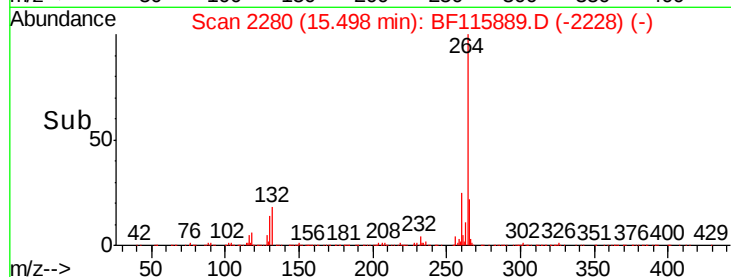
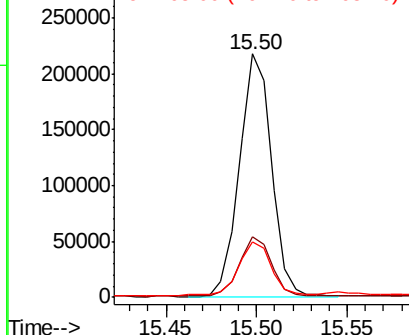


Abundance

Ion 264.00 (263.70 to 264.70): E

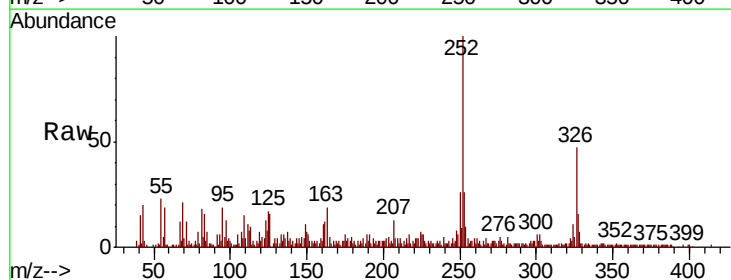
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 6.230 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF115889.D
Acq: 1 Aug 2019 1:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.2	25.8
125	17.0	7.4	11.0#

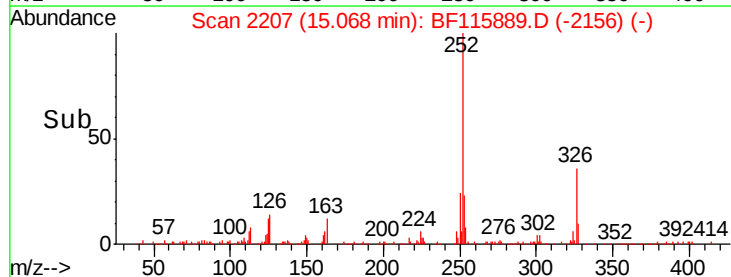
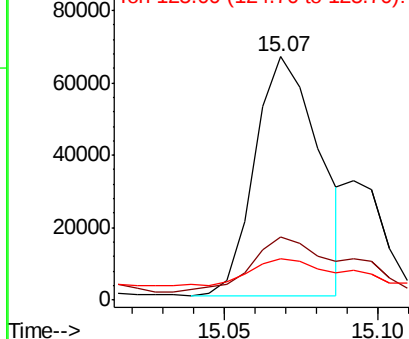


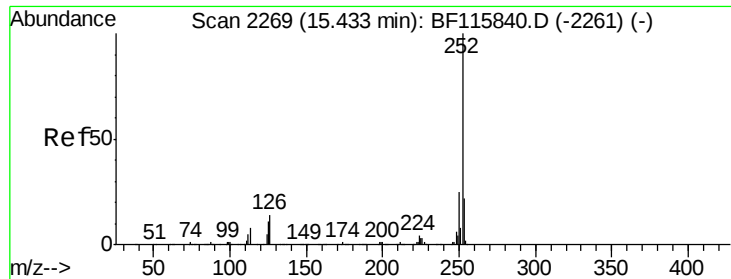
Abundance

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





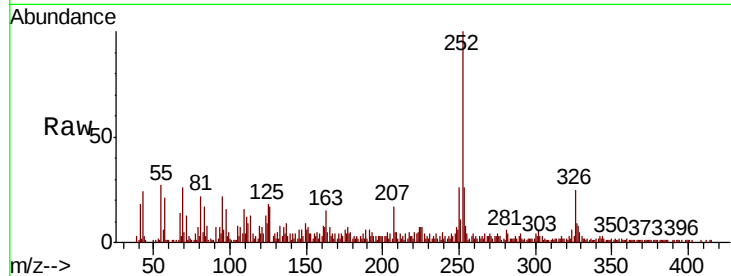
#90
Benzo(a)pyrene
Concen: 4.831 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF115889.D
Acq: 1 Aug 2019 1:38

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.8	26.6
125	18.0	8.8	13.2

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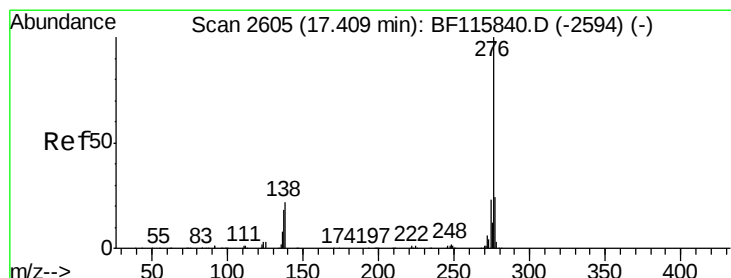
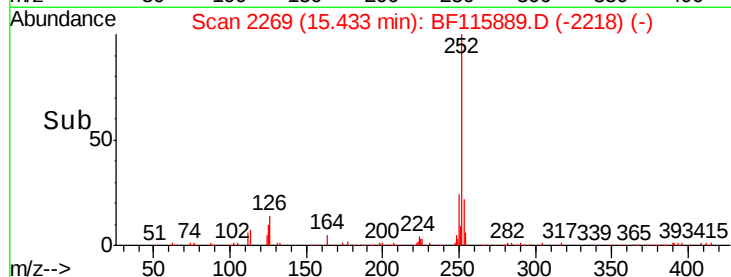
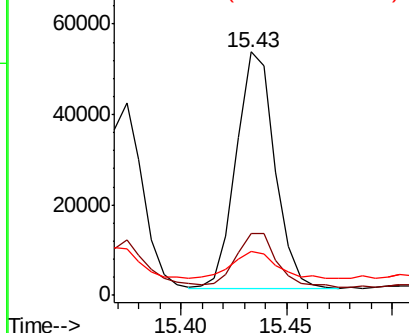


Abundance

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



#92
Benzo(g,h,i)perylene
Concen: 3.236 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.02 min
Lab File: BF115889.D
Acq: 1 Aug 2019 1:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.5	29.3
138	27.1	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

