

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115964.D
 Acq On : 2 Aug 2019 23:11
 Operator : HP/JU
 Sample : K4093-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080119

Manual Integrations
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Quant Time: Aug 03 03:56:38 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	101973	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	408704	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	223276	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	413287	20.00	ng	0.00
76) Chrysene-d12	14.02	240	298184	20.00	ng	0.00
87) Perylene-d12	15.50	264	346650	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	107852	17.71	ng	0.00
7) Phenol-d6	6.48	99	152332	19.82	ng	0.00
23) Nitrobenzene-d5	7.41	82	84725	11.97	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	38696	17.88	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	182726	15.33	ng	0.00
79) Terphenyl-d14	12.96	244	199098	14.07	ng	-0.01
Target Compounds						
58) Fluorene	10.44	166	44958	3.422	ng	99
71) Phenanthrene	11.40	178	393225	18.611	ng	99
72) Anthracene	11.46	178	128371	6.004	ng	98
75) Fluoranthene	12.59	202	640837	28.972	ng	99
78) Pyrene	12.82	202	552597	24.584	ng	99
81) Benzo(a)anthracene	14.01	228	280520	14.719	ng	97
83) Chrysene	14.04	228	241491	13.051	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	102340	6.585	ng	98
88) Benzo(b)fluoranthene	15.07	252	347303m	17.327	ng	
89) Benzo(k)fluoranthene	15.09	252	85303m	4.369	ng	
90) Benzo(a)pyrene	15.43	252	232409	12.971	ng	97
92) Benzo(a,h,i)perylene	17.42	276	92884	6.098	ng	96

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

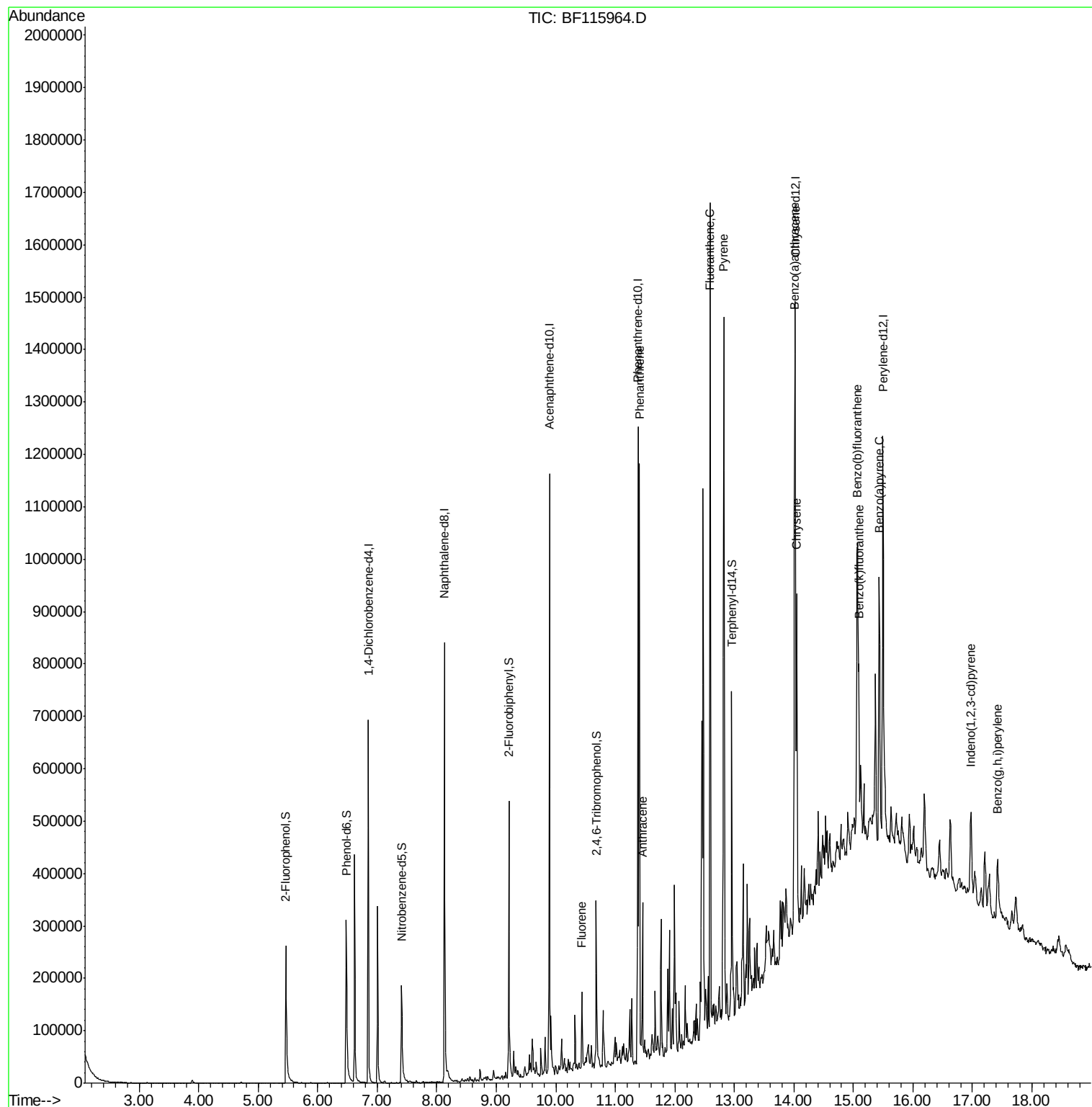
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
Data File : BF115964.D
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Sample : K4093-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

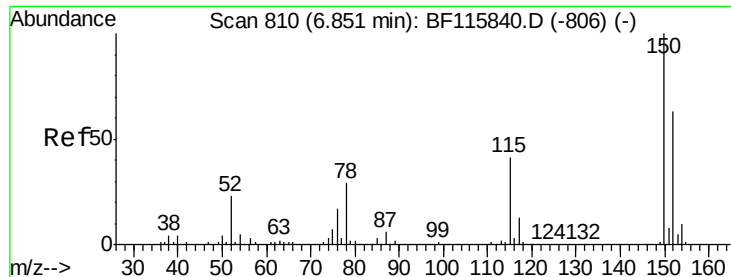
Instrument :
BNA_F
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PL-02-080119

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

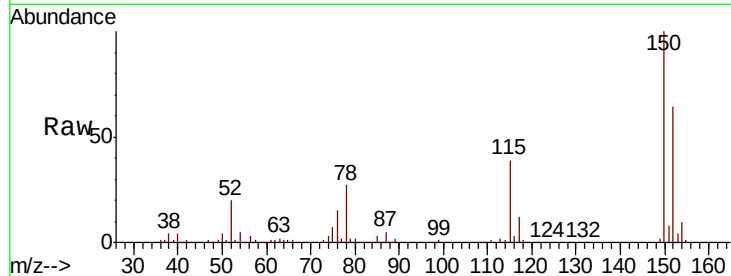
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115964.D
Acq: 2 Aug 2019 23:11

Instrument :
BNA_F
ClientSampleId :
PL-02-080119

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	127.4	191.0
115	60.5	51.8	77.8

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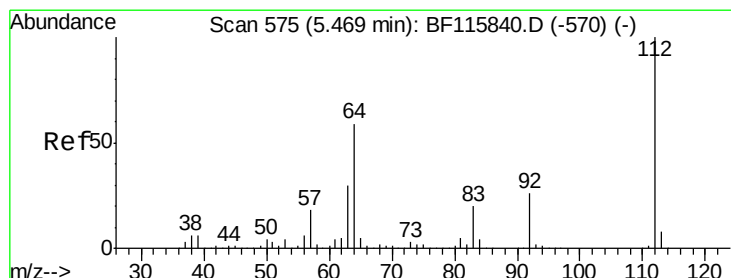
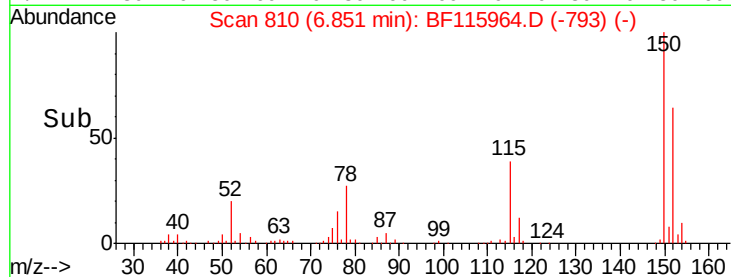
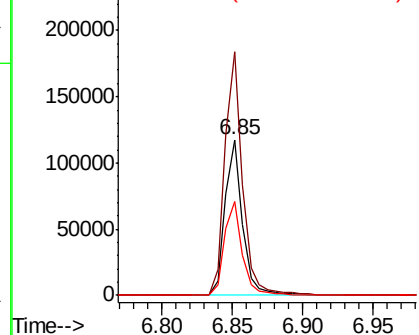


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

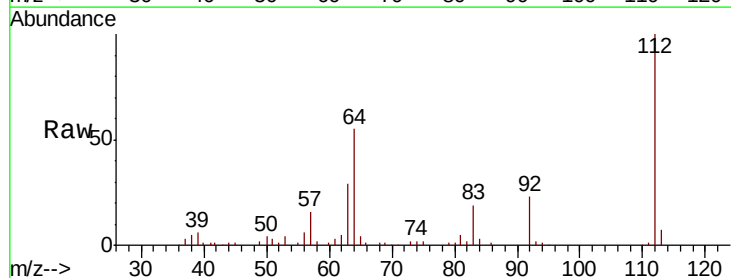
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 17.706 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF115964.D
Acq: 2 Aug 2019 23:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	46.8	70.2
63	29.0	24.2	36.2

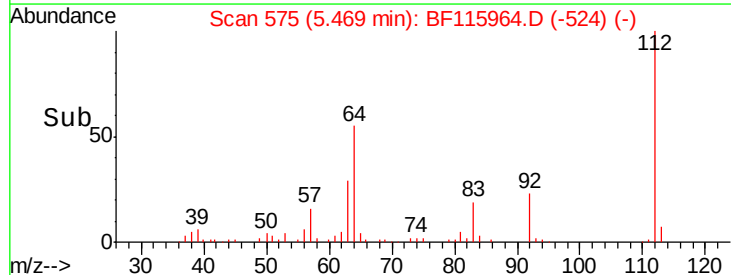
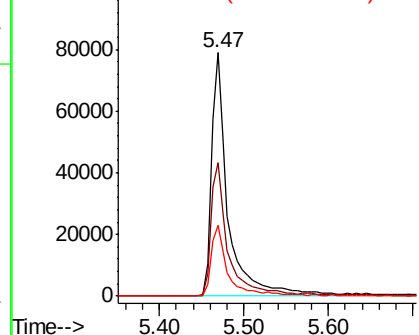


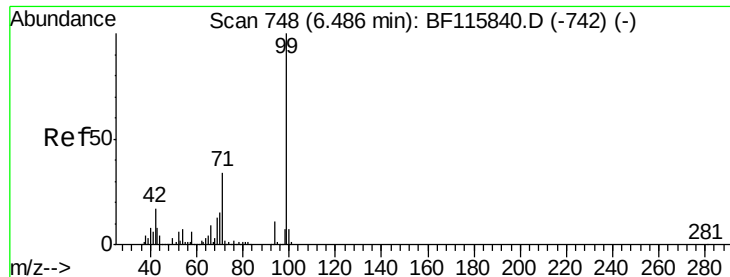
Abundance

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: 19.821 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115964.D

Acq: 2 Aug 2019 23:11

Instrument :

BNA_F

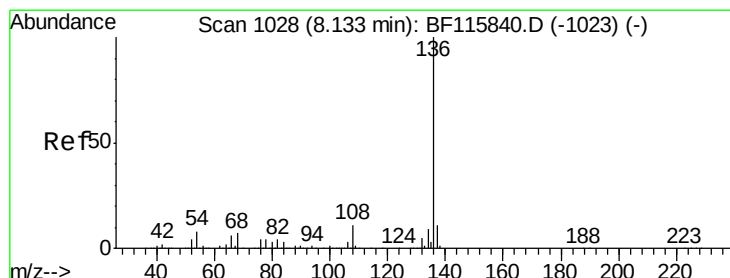
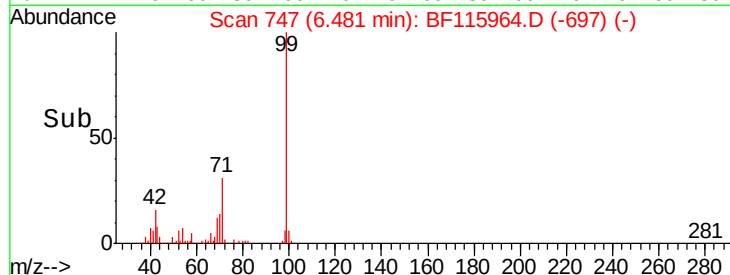
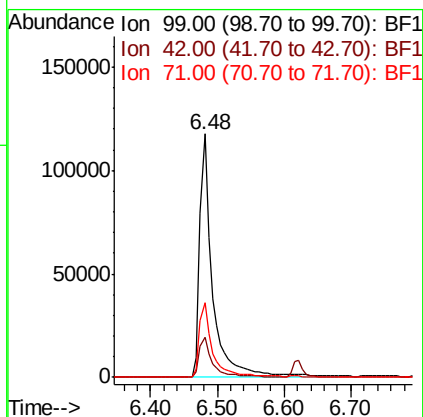
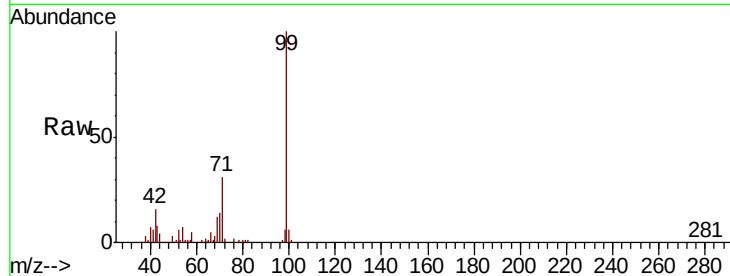
ClientSampleId :

PL-02-080119

Tot Ion:	99	Resp:	152332
Ion Ratio	Lower	Upper	
99	100		
42	16.3	13.8	20.6
71	30.8	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

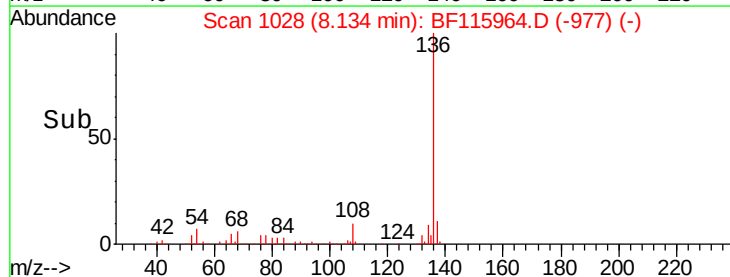
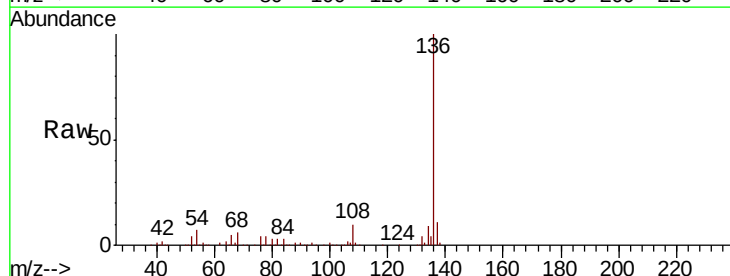
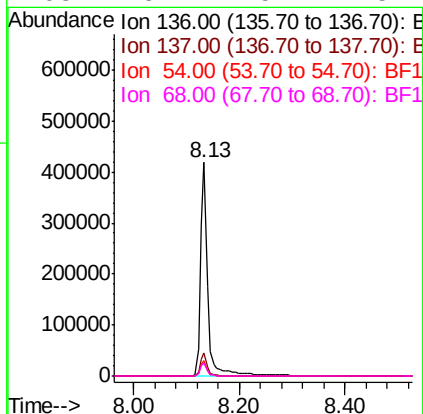
RT: 8.13 min Scan# 1028

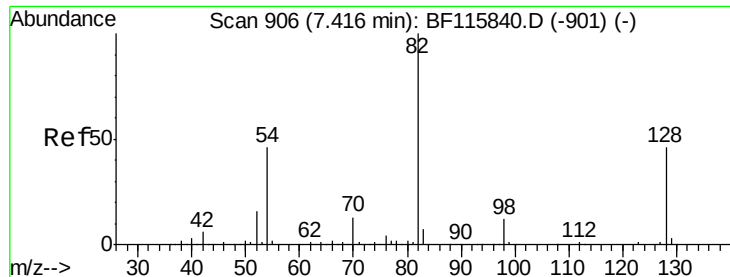
Delta R.T. 0.00 min

Lab File: BF115964.D

Acq: 2 Aug 2019 23:11

Tgt Ion:	136	Resp:	408704
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	7.0	6.1	9.1
68	5.7	5.4	8.2





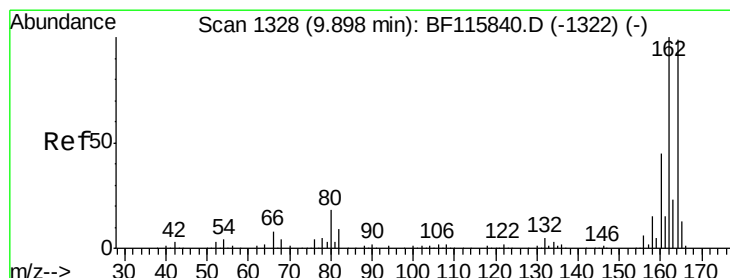
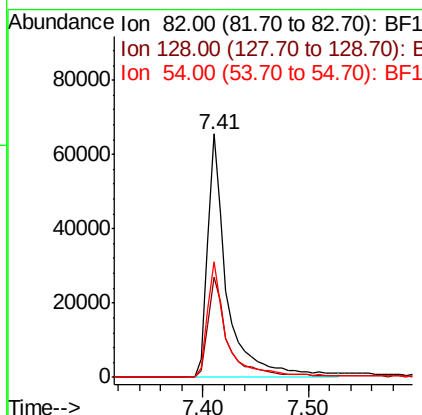
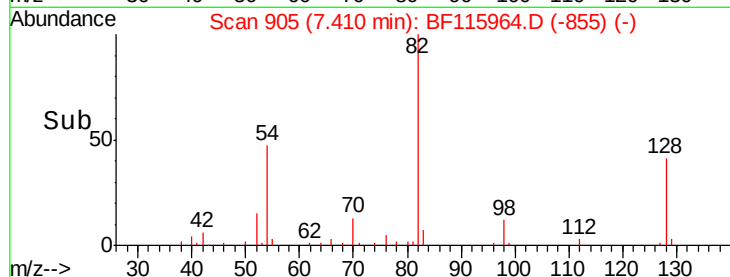
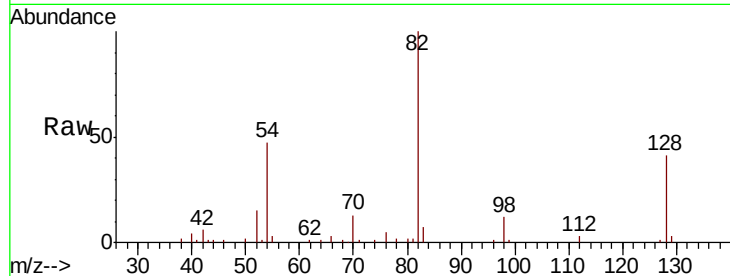
#23
 Nitrobenzene-d5
 Concen: 11.966 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF115964.D
 Acq: 2 Aug 2019 23:11

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080119

Tot Ion:	82	Resp:	84725
Ion Ratio	Lower	Upper	
82	100		
128	41.4	36.6	55.0
54	47.3	36.6	55.0

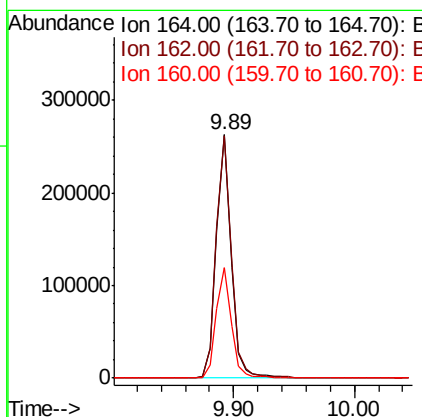
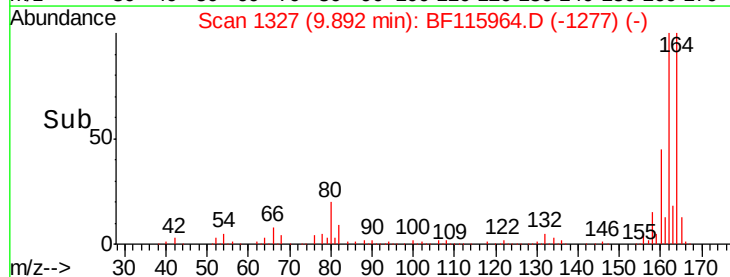
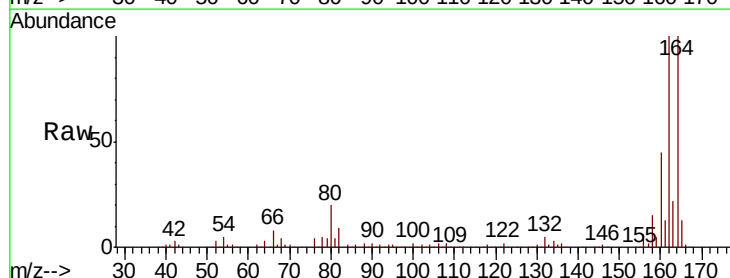
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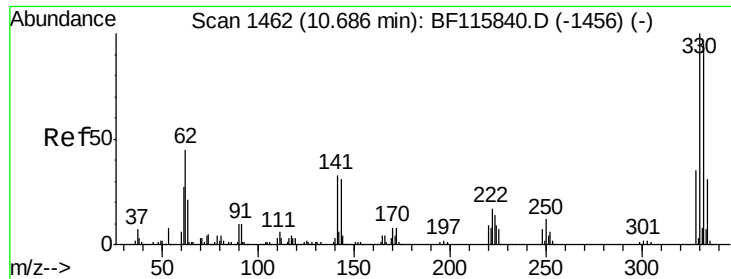
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF115964.D
 Acq: 2 Aug 2019 23:11

Tgt Ion:	164	Resp:	223276
Ion Ratio	Lower	Upper	
164	100		
162	99.8	80.8	121.2
160	45.3	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 17.876 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF115964.D

Acq: 2 Aug 2019 23:11

Instrument :

BNA_F

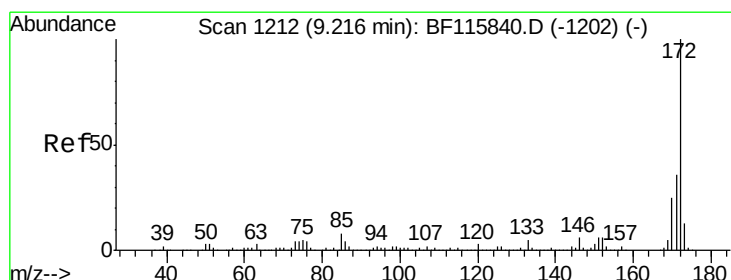
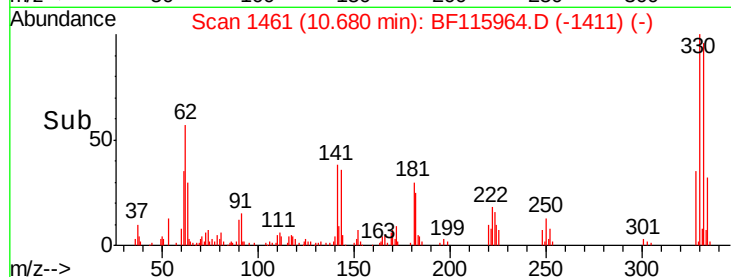
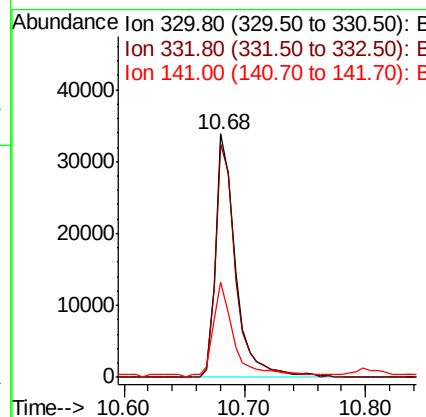
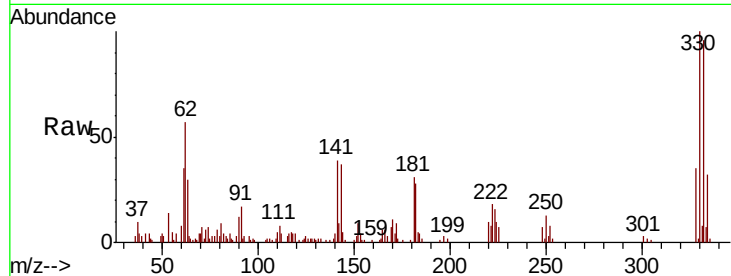
ClientSampleId :

PL-02-080119

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.7	116.5
141	42.8	28.1	42.1

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#45

2-Fluorobiphenyl

Concen: 15.329 ng

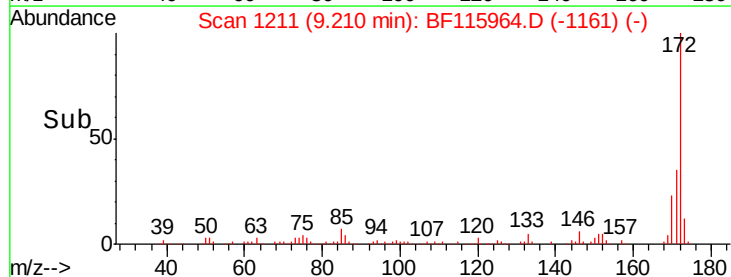
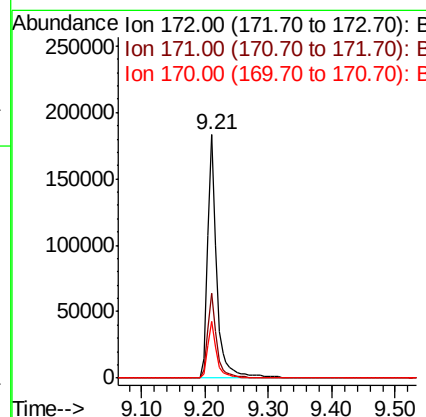
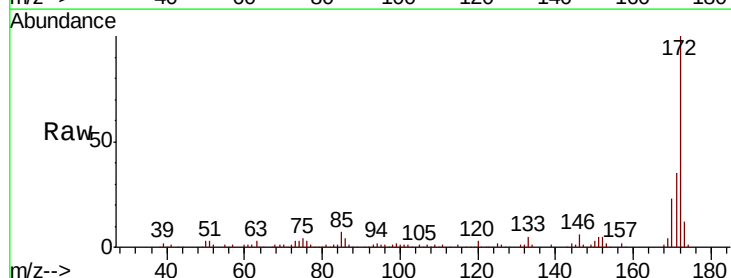
RT: 9.21 min Scan# 1211

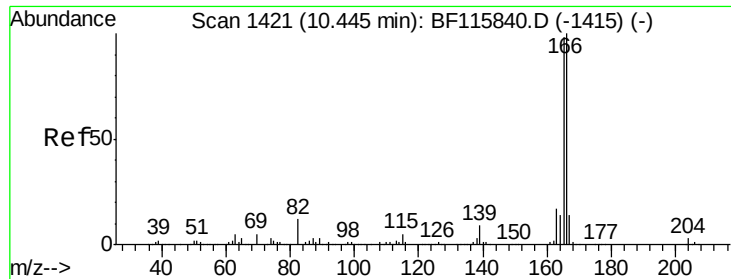
Delta R.T. -0.01 min

Lab File: BF115964.D

Acq: 2 Aug 2019 23:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.1	43.7
170	23.5	20.1	30.1





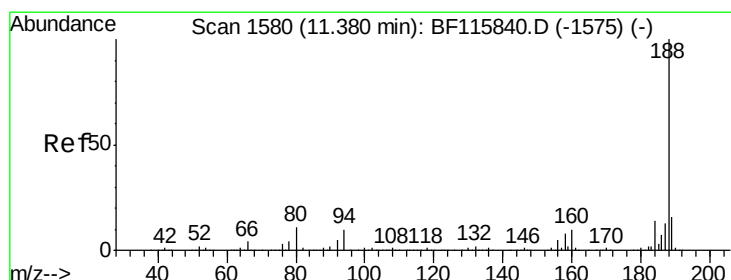
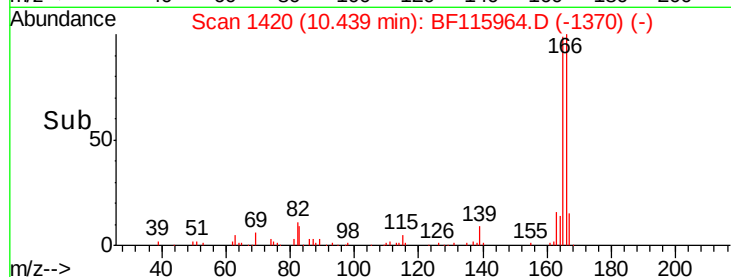
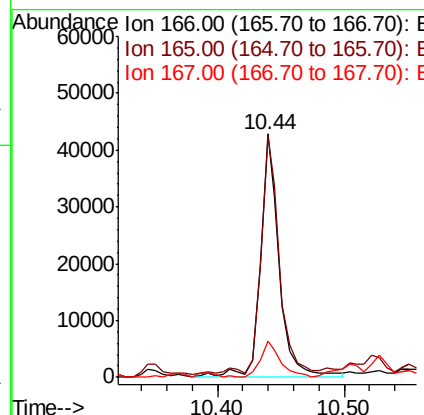
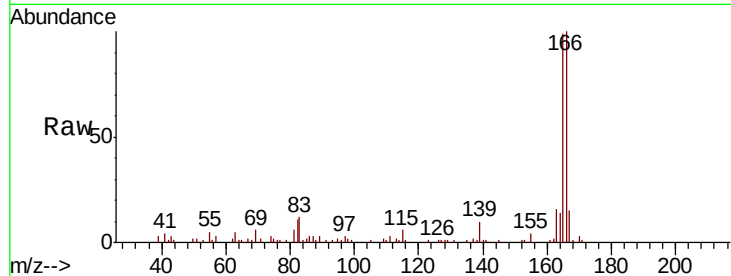
#58
 Fluorene
 Concen: 3.422 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF115964.D
 Acq: 2 Aug 2019 23:11

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080119

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		44958		
165	98.8	78.6	118.0		
167	14.8	10.9	16.3		

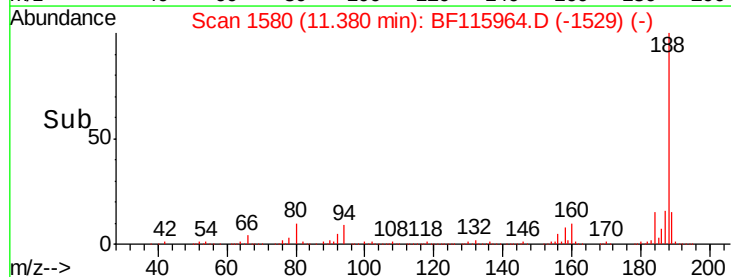
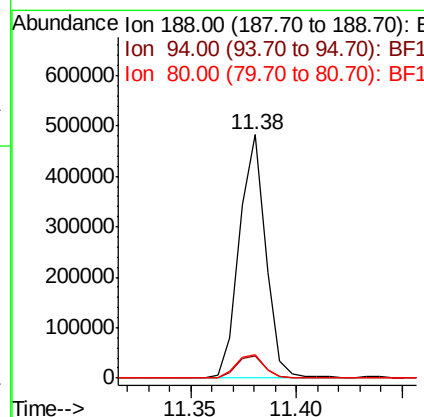
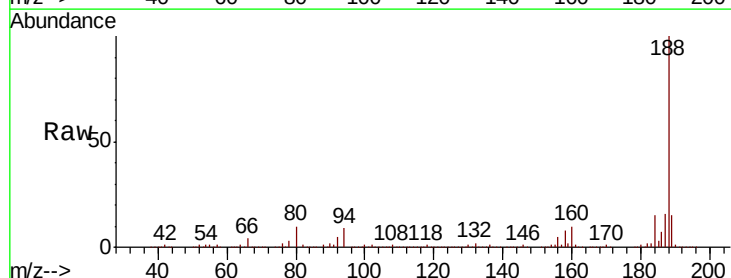
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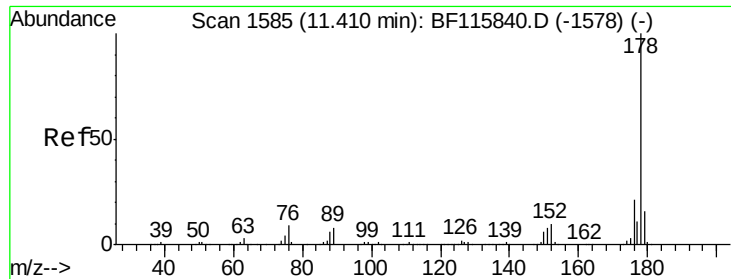
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF115964.D
 Acq: 2 Aug 2019 23:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		413287		
94	9.2	8.0	12.0		
80	9.8	8.6	12.8		





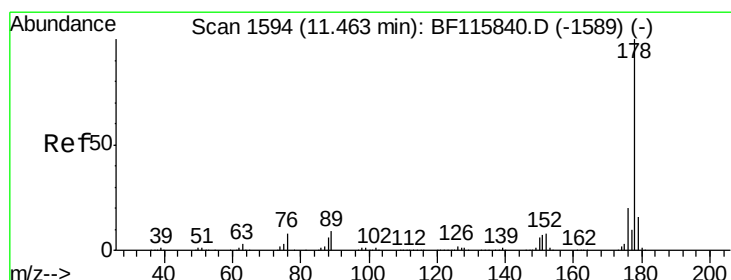
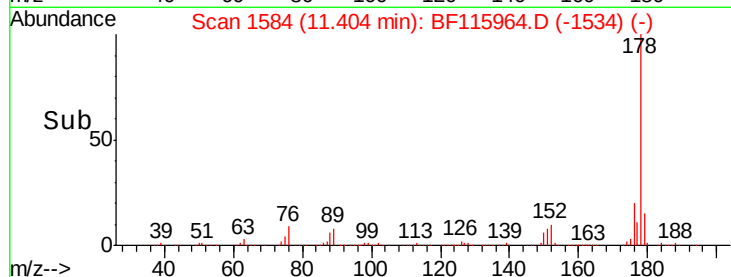
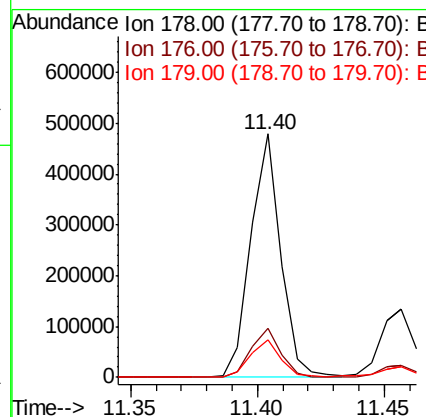
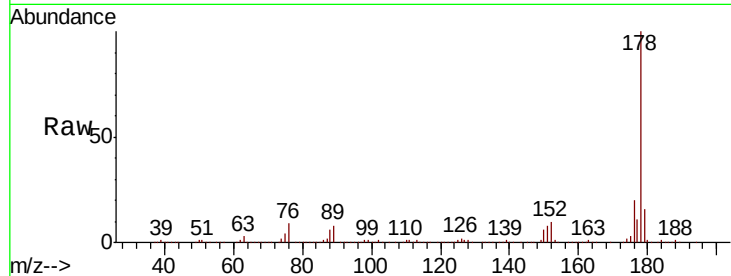
#71
Phenanthrene
Concen: 18.611 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115964.D
Acq: 2 Aug 2019 23:11

Instrument :
BNA_F
ClientSampleId :
PL-02-080119

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.5	24.7
179	15.5	12.6	18.8

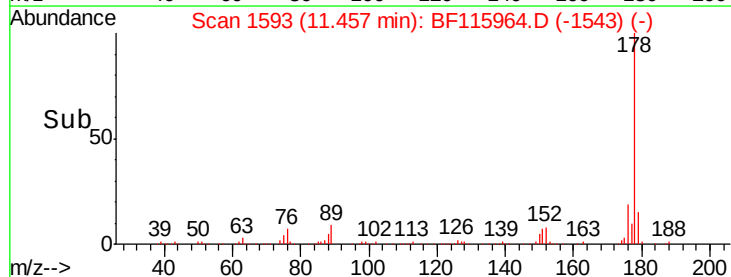
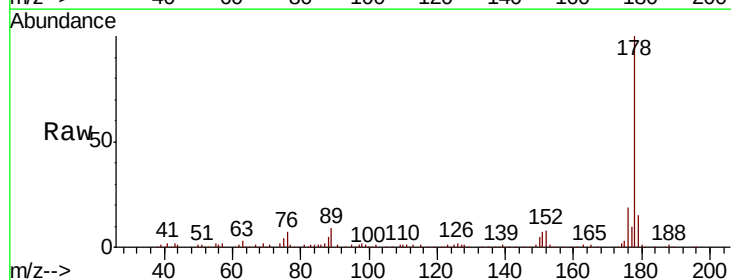
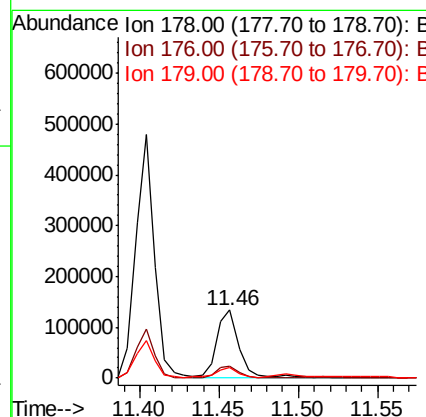
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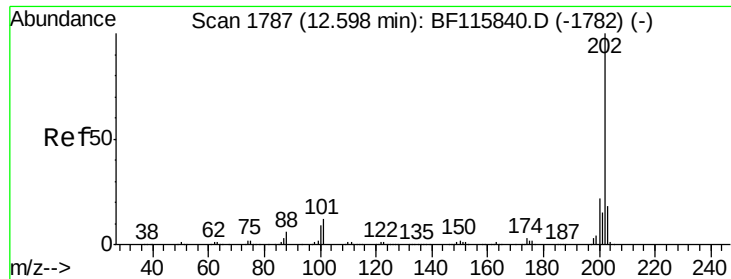
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#72
Anthracene
Concen: 6.004 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF115964.D
Acq: 2 Aug 2019 23:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.7	23.5
179	15.2	12.4	18.6





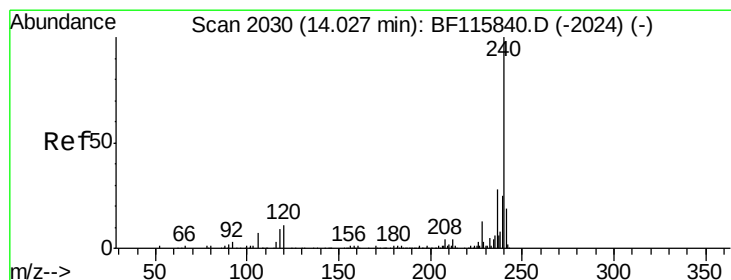
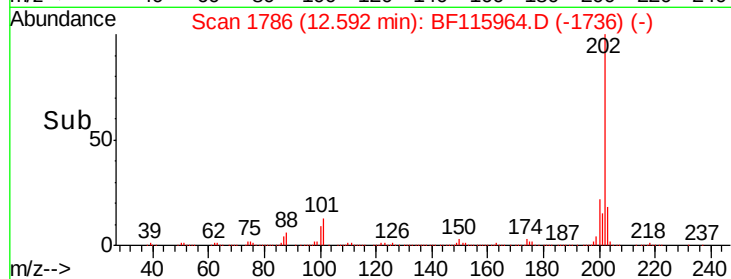
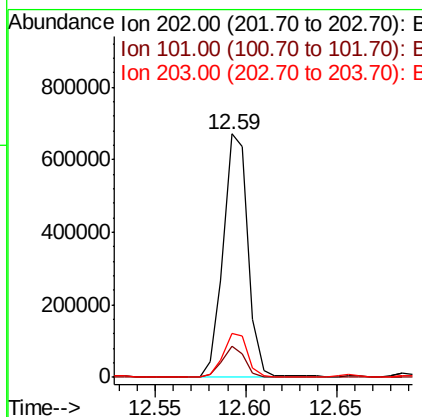
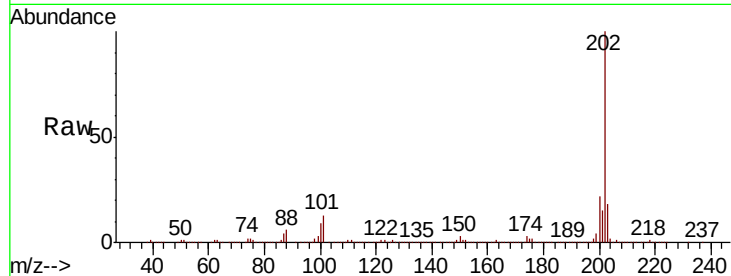
#75
 Fluoranthene
 Concen: 28.972 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. -0.01 min
 Lab File: BF115964.D
 Acq: 2 Aug 2019 23:11

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080119

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.6	0.0	31.5		
203	18.1	0.0	37.9		

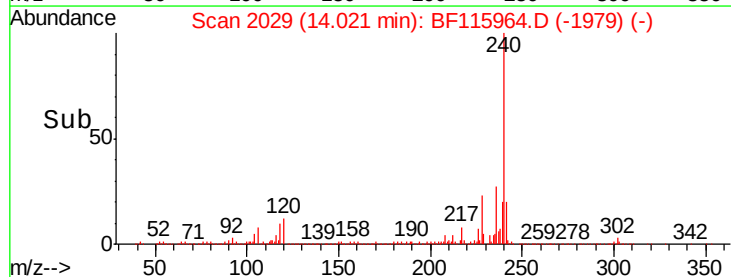
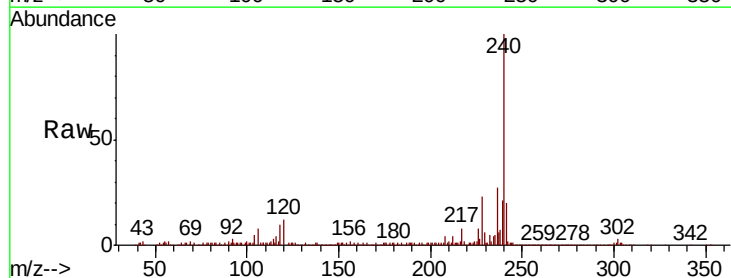
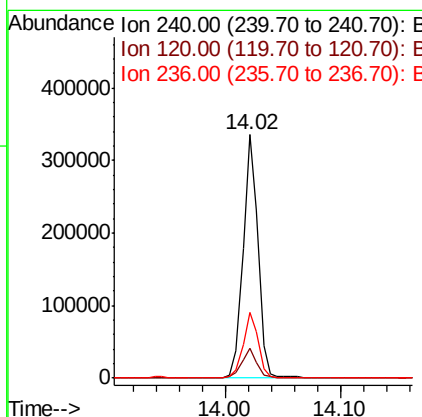
Manual Integrations
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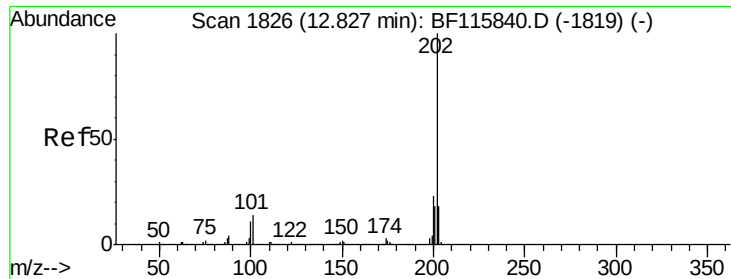
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF115964.D
 Acq: 2 Aug 2019 23:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	12.3	8.5	12.7		
236	26.8	22.2	33.2		





#78

Pvrene

Concen: 24.584 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF115964.D

Acq: 2 Aug 2019 23:11

Instrument :

BNA_F

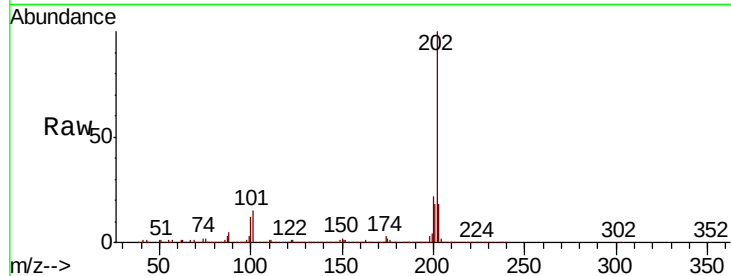
ClientSampleId :

PL-02-080119

Tot Ion:	202	Resp:	552597
Ion Ratio		Lower	Upper
202	100		
200	21.9	18.2	27.2
203	17.9	14.3	21.5

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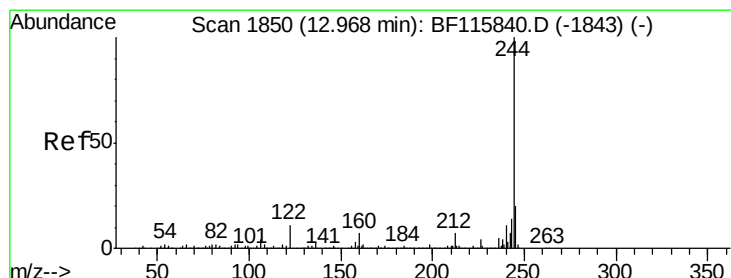
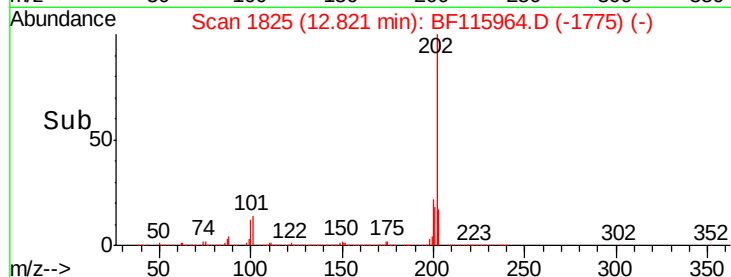
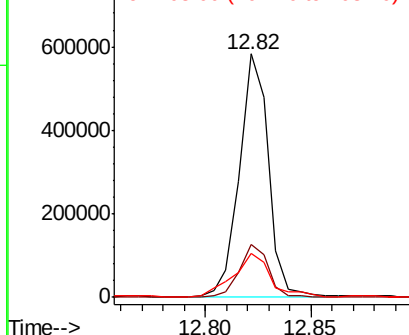


Abundance

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: 14.070 ng

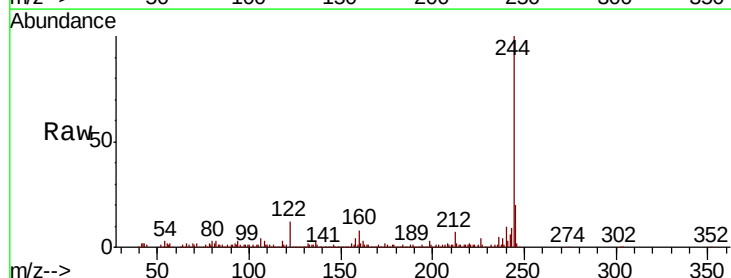
RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF115964.D

Acq: 2 Aug 2019 23:11

Tgt Ion:	244	Resp:	199098
Ion Ratio		Lower	Upper
244	100		
212	7.2	5.6	8.4
122	12.2	8.6	13.0

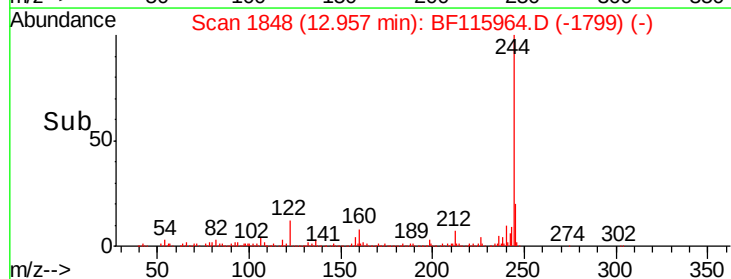
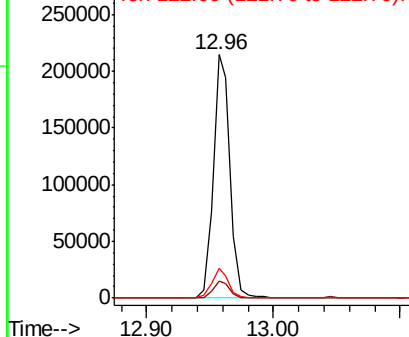


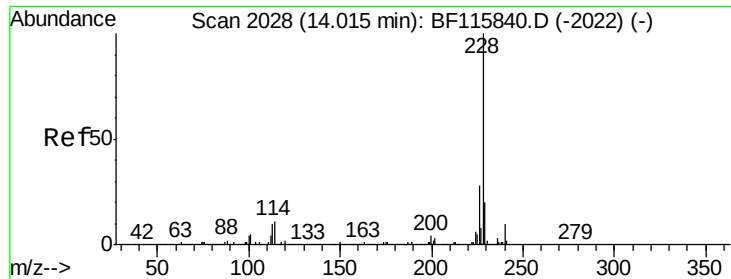
Abundance

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





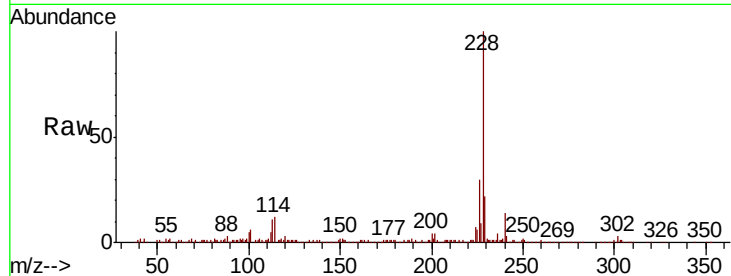
#81
Benzo(a)anthracene
Concen: 14.719 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF115964.D
Acq: 2 Aug 2019 23:11

Instrument :
BNA_F
ClientSampleId :
PL-02-080119

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.5	33.7
229	21.5	16.1	24.1

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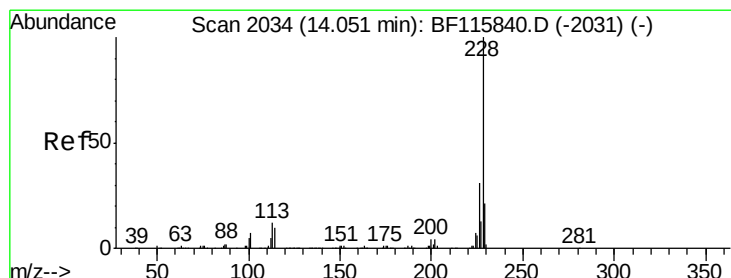
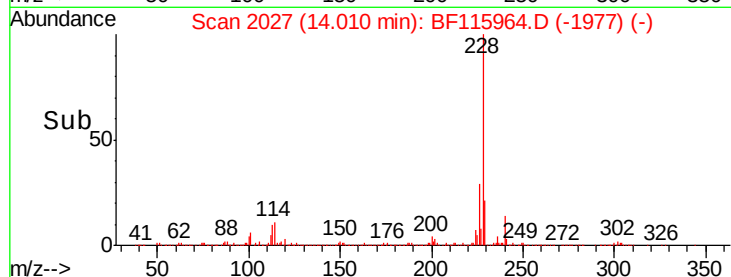
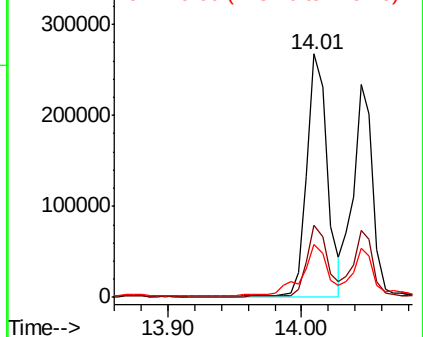


Abundance

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



#83
Chrysene
Concen: 13.051 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115964.D
Acq: 2 Aug 2019 23:11

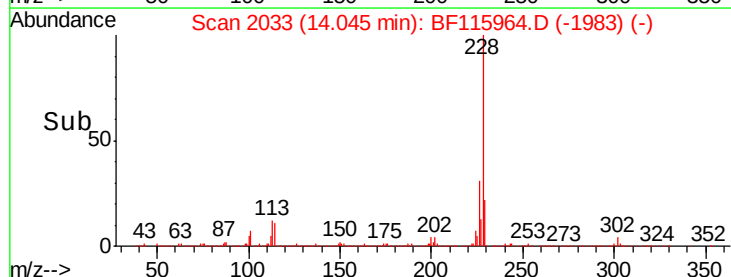
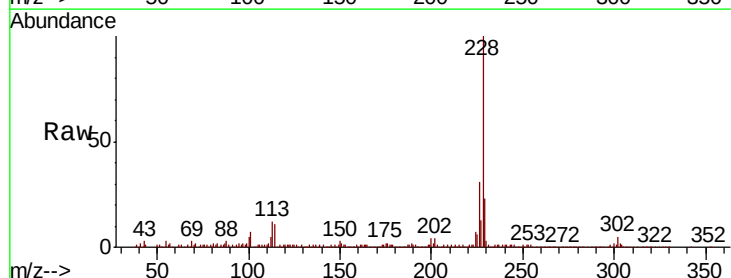
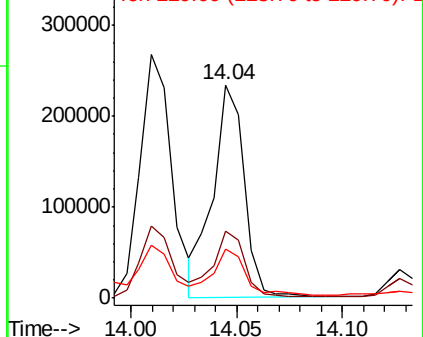
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.8	37.2
229	22.9	16.4	24.6

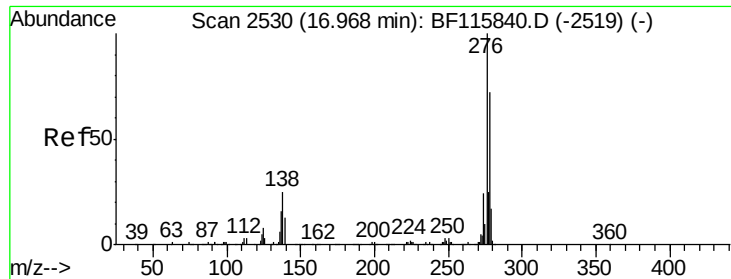
Abundance

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





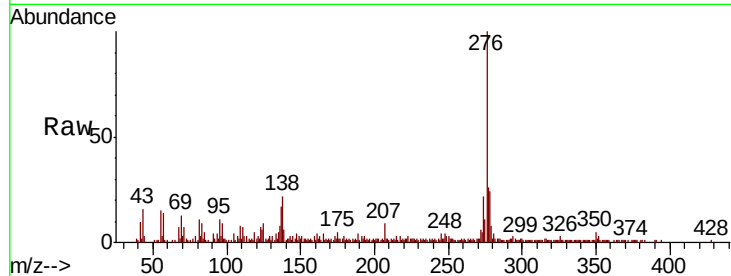
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.585 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. 0.01 min
 Lab File: BF115964.D
 Acq: 2 Aug 2019 23:11

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080119

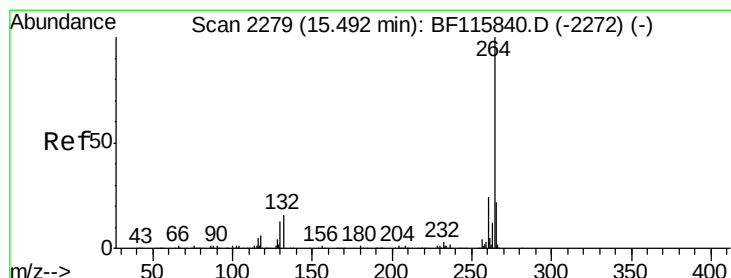
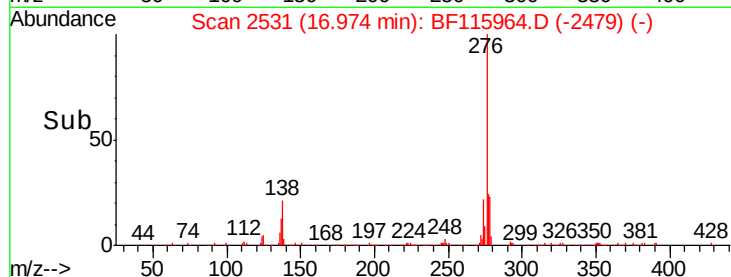
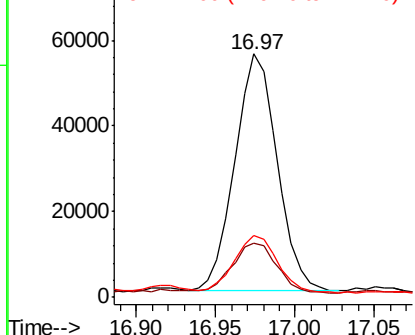
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	19.6	29.4
277	25.0	20.1	30.1

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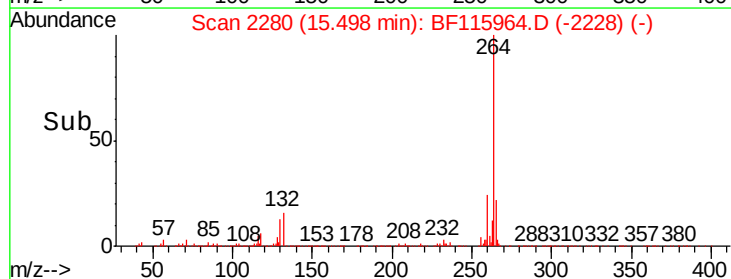
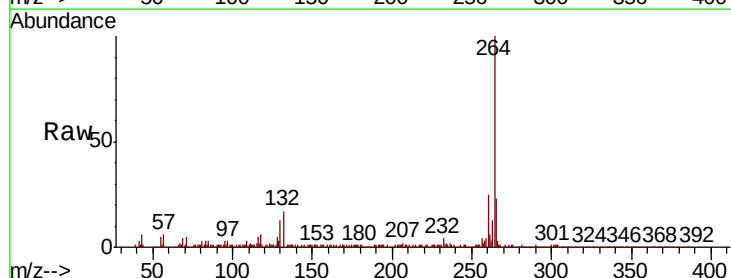
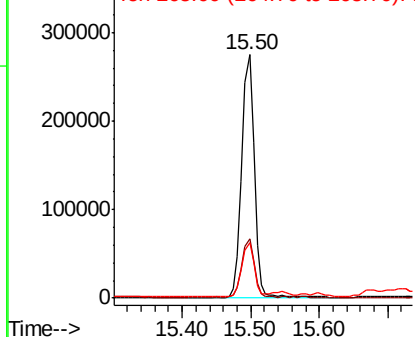
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

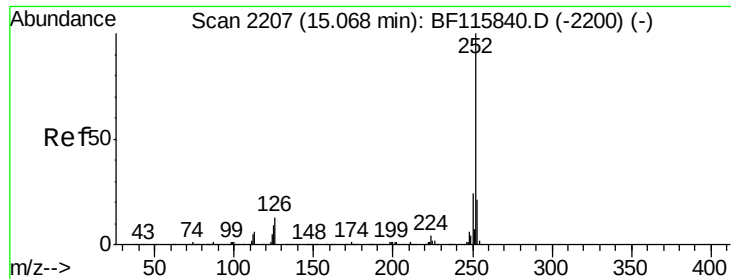


#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. 0.01 min
 Lab File: BF115964.D
 Acq: 2 Aug 2019 23:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.2
265	22.6	17.5	26.3

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





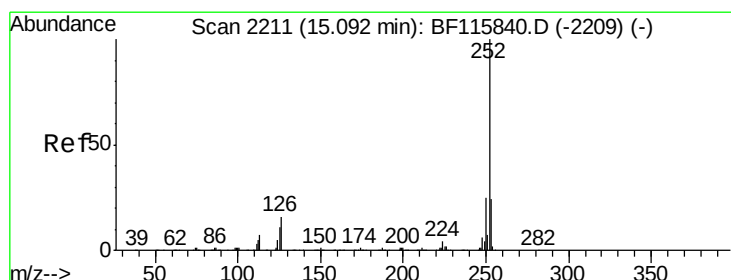
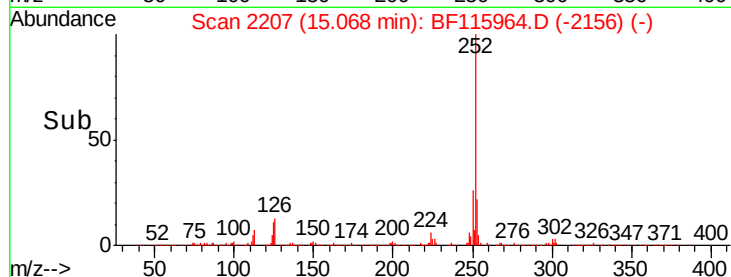
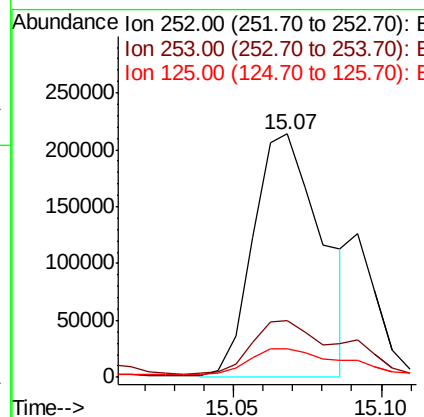
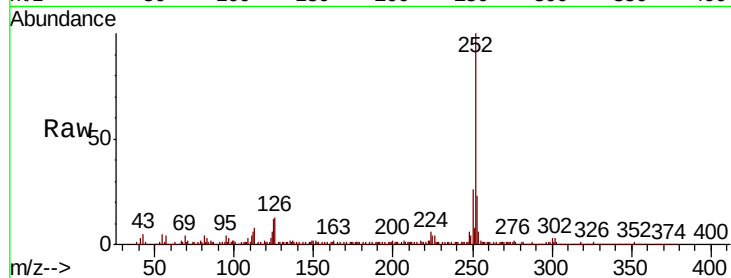
#88
Benzo(b)fluoranthene
Concen: 17.327 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF115964.D
Acq: 2 Aug 2019 23:11

Instrument :
BNA_F
ClientSampleId :
PL-02-080119

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	11.8	7.4	11.0

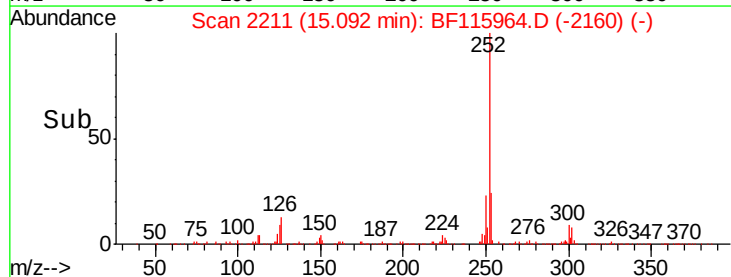
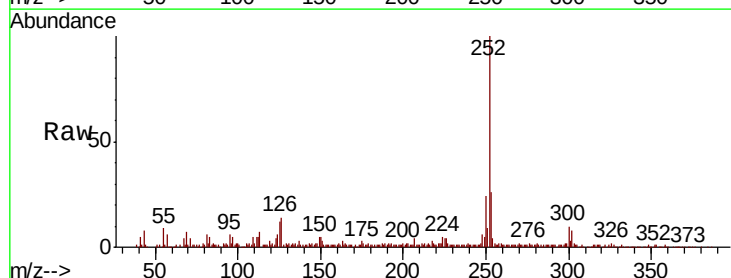
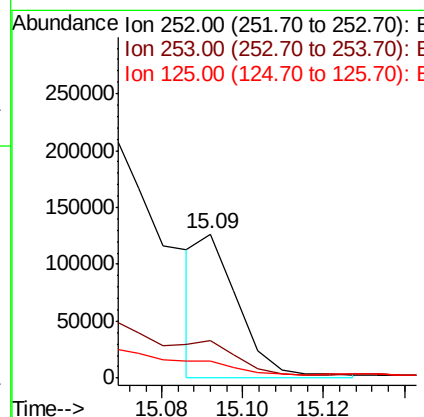
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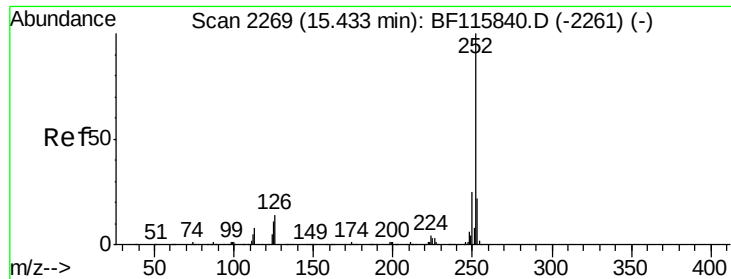
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#89
Benzo(k)fluoranthene
Concen: 4.369 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF115964.D
Acq: 2 Aug 2019 23:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.2	27.4
125	11.6	8.9	13.3





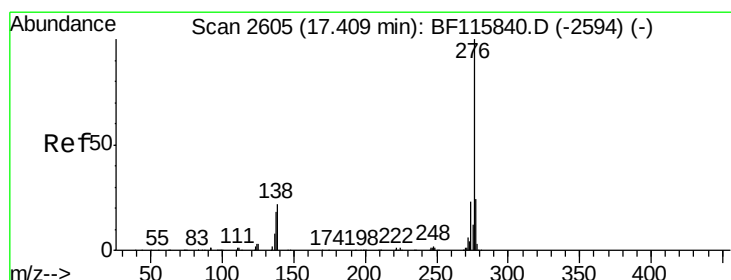
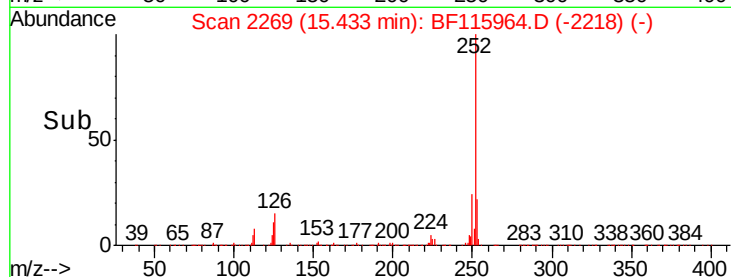
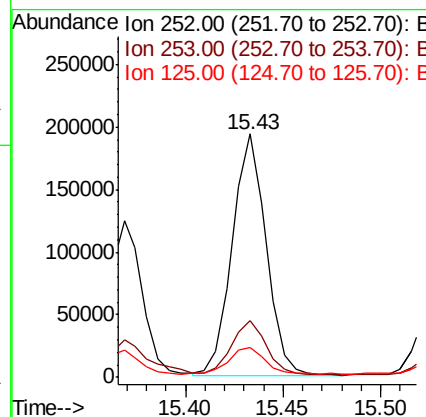
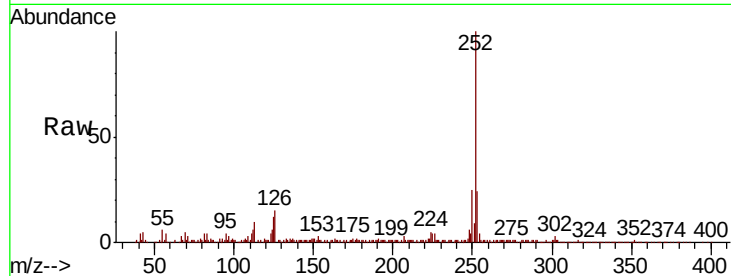
#90
Benzo(a)pyrene
Concen: 12.971 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF115964.D
Acq: 2 Aug 2019 23:11

Instrument :
BNA_F
ClientSampleId :
PL-02-080119

Tot Ion:	252	Resp:	232409
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.8	26.6
125	12.4	8.8	13.2

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#92
Benzo(g,h,i)perylene
Concen: 6.098 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.01 min
Lab File: BF115964.D
Acq: 2 Aug 2019 23:11

Tgt Ion:	276	Resp:	92884
Ion Ratio	Lower	Upper	
276	100		
277	26.4	19.5	29.3
138	23.8	17.8	26.8

