

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
 Data File : BF115255.D
 Acq On : 28 Jun 2019 00:54
 Operator : HP/JU
 Sample : K3532-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRIANGLE-AREA-SOIL-B

Manual Integrations
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 6/28/2019 2:58:51 PM

Quant Time: Jun 28 07:32:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	243440	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	918162	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	450064	20.00	ng	0.00
64) Phenanthrene-d10	11.09	188	895184	20.00	ng	0.00
76) Chrysene-d12	13.71	240	717563	20.00	ng	0.00
87) Perylene-d12	15.08	264	684838	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1497434	94.92	ng	0.00
7) Phenol-d6	6.24	99	1876186	97.99	ng	0.00
23) Nitrobenzene-d5	7.16	82	1126671	75.49	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	522040	109.99	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	1828672	69.02	ng	0.00
79) Terphenyl-d14	12.68	244	1977205	58.59	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.35	163	355766	10.744	ng	99
71) Phenanthrene	11.12	178	319952	6.638	ng	96
75) Fluoranthene	12.29	202	630601	13.113	ng	97
78) Pyrene	12.52	202	649392	11.776	ng	98
80) Butylbenzylphthalate	13.16	149	61391	2.523	ng	91
81) Benzo(a)anthracene	13.70	228	313880	6.096	ng	96
83) Chrysene	13.74	228	312071	6.617	ng	97
86) Indeno(1,2,3-cd)pyrene	16.33	276	127885	2.291	ng	95
88) Benzo(b)fluoranthene	14.70	252	369440m	8.646	ng	
89) Benzo(k)fluoranthene	14.72	252	95617m	2.495	ng	
90) Benzo(a)pyrene	15.02	252	249344	6.474	ng	98
92) Benzo(a,h,i)perylene	16.71	276	118503	3.256	ng	97

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

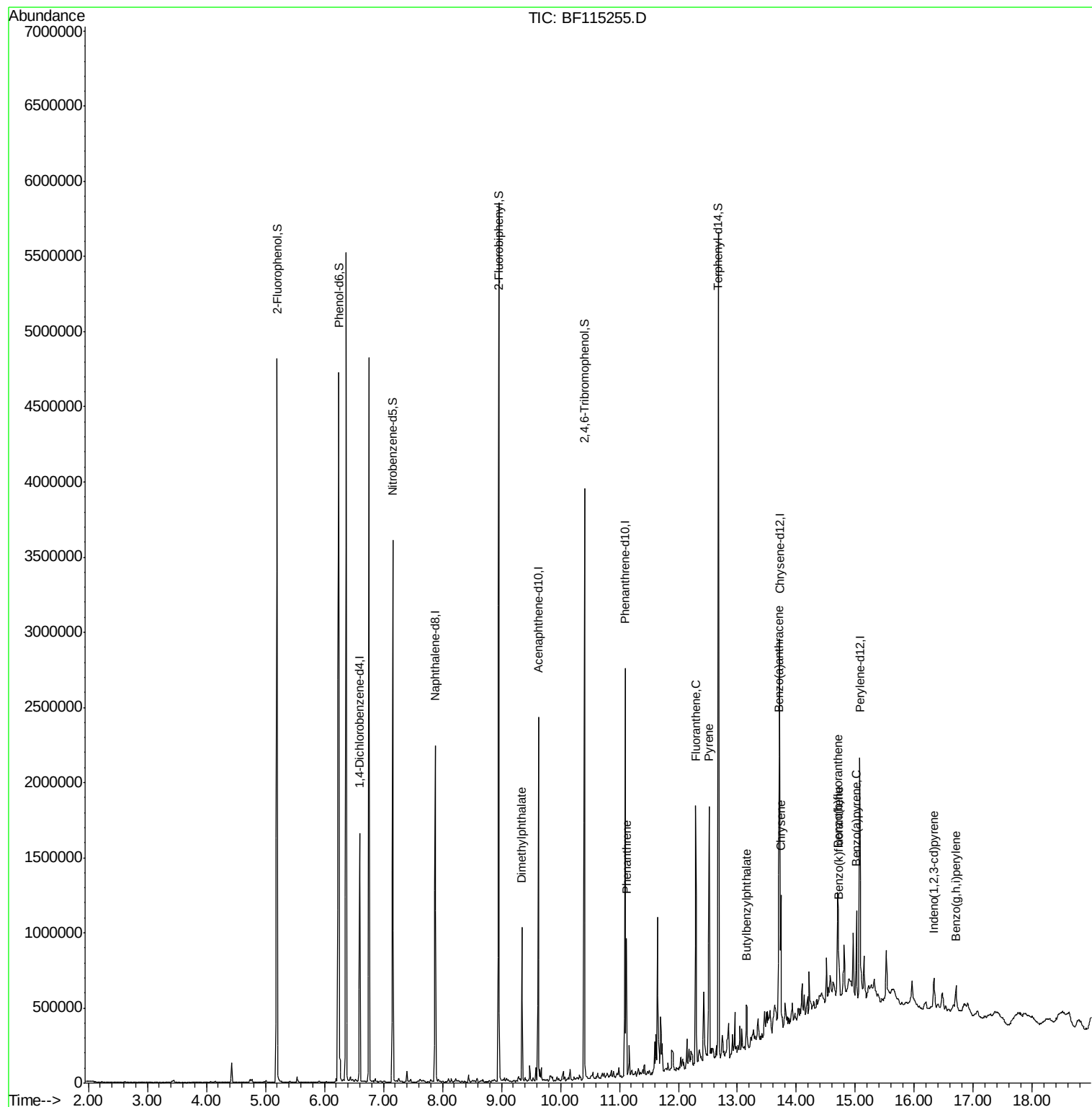
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
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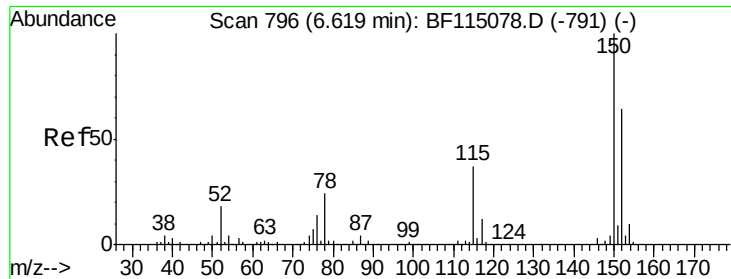
Instrument :
BNA_F
ClientSampleId :
TRIANGLE-AREA-SOIL-B

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

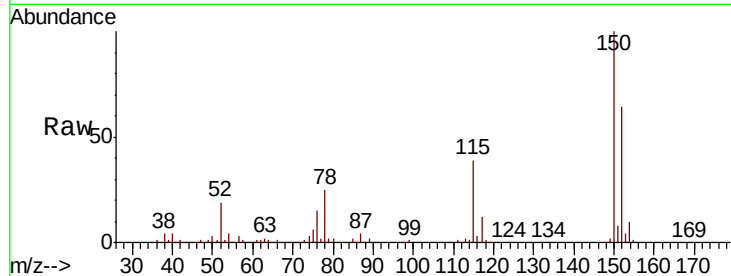
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF115255.D
Acq: 28 Jun 2019 00:54

Instrument :
BNA_F
ClientSampleId :
TRIANGLE-AREA-SOIL-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.2	186.2
115	60.7	46.1	69.1

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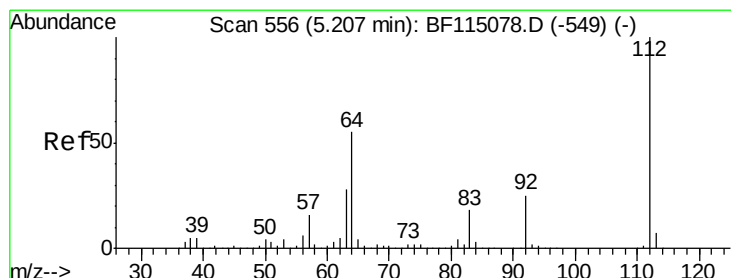
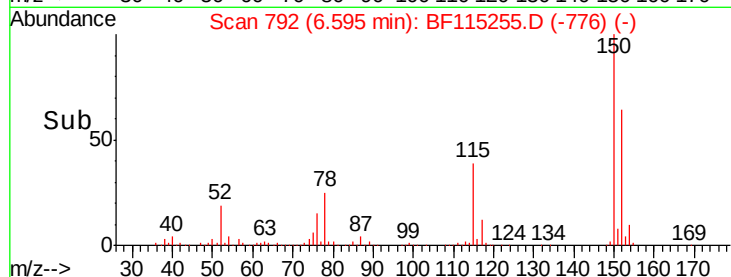
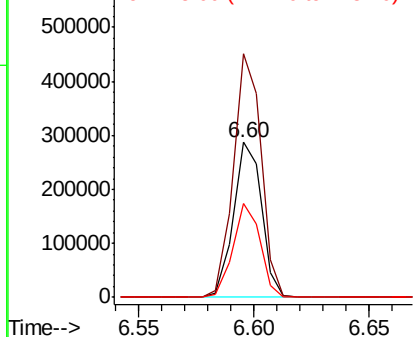


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

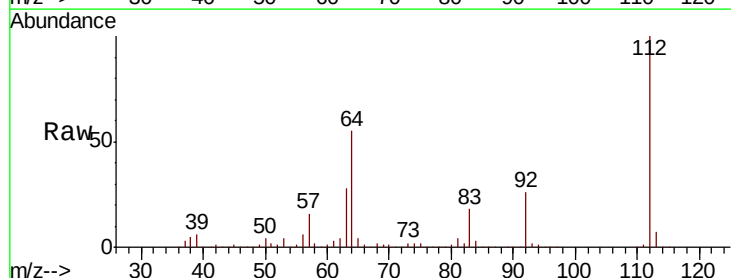
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.923 ng
RT: 5.20 min Scan# 554
Delta R.T. 0.01 min
Lab File: BF115255.D
Acq: 28 Jun 2019 00:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	43.8	65.6
63	27.9	22.2	33.4

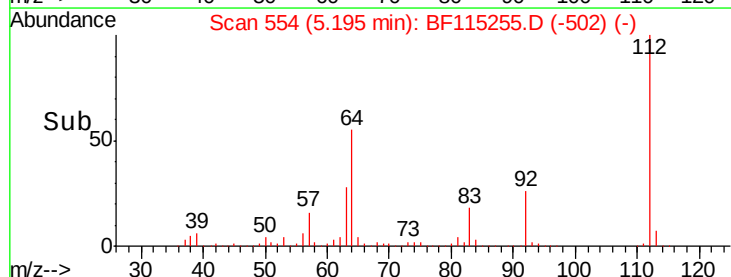
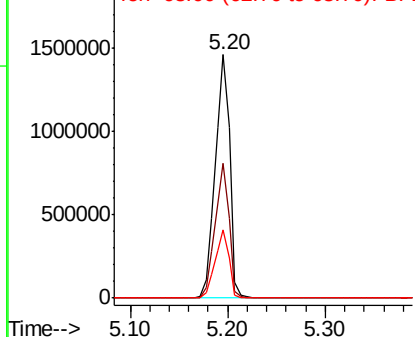


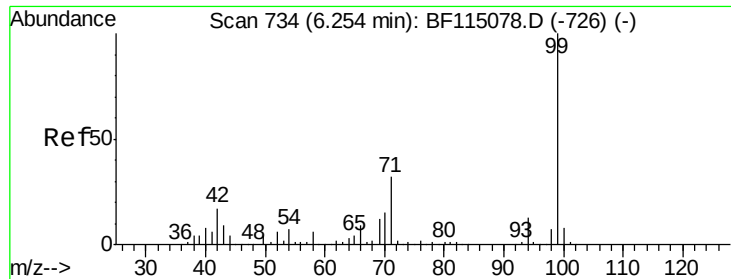
Abundance

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: 97.987 ng

RT: 6.24 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF115255.D

Acq: 28 Jun 2019 00:54

Instrument :

BNA_F

ClientSampleId :

TRIANGLE-AREA-SOIL-B

Tot Ion: 99 Resp: 1876186

Ion Ratio Lower Upper

99 100

42 16.5 13.6 20.4

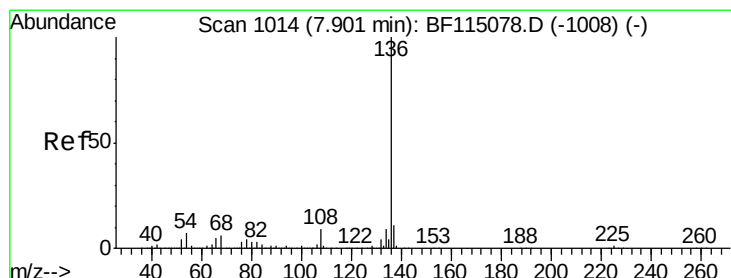
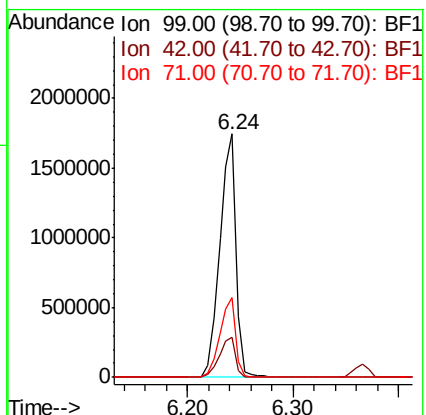
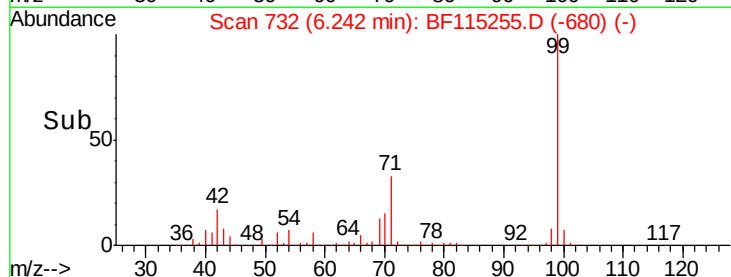
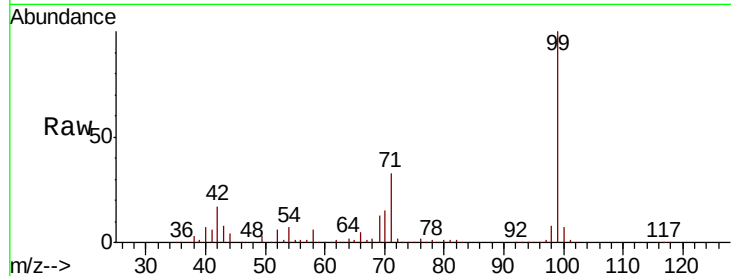
71 32.7 25.5 38.3

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.88 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF115255.D

Acq: 28 Jun 2019 00:54

Tgt Ion: 136 Resp: 918162

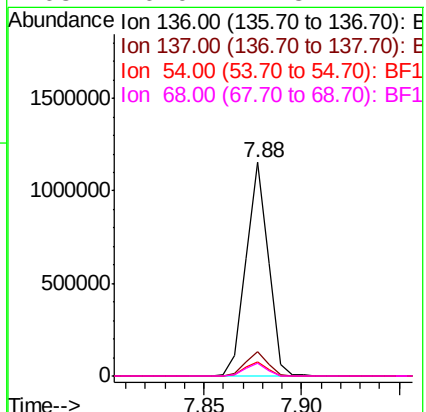
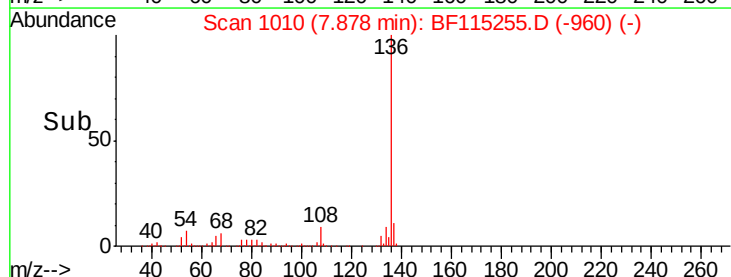
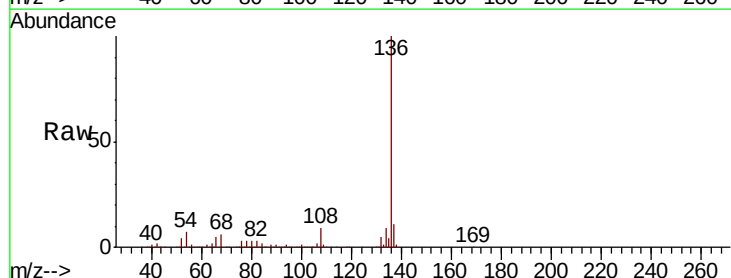
Ion Ratio Lower Upper

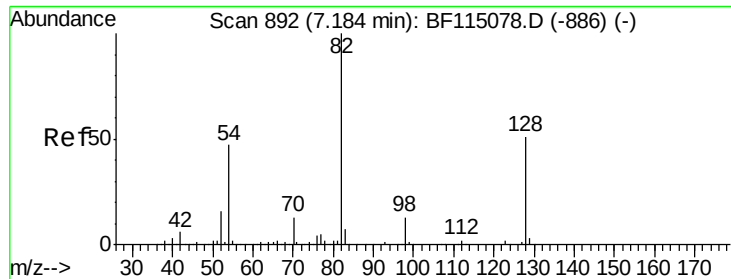
136 100

137 11.2 8.9 13.3

54 6.9 5.6 8.4

68 6.0 4.8 7.2





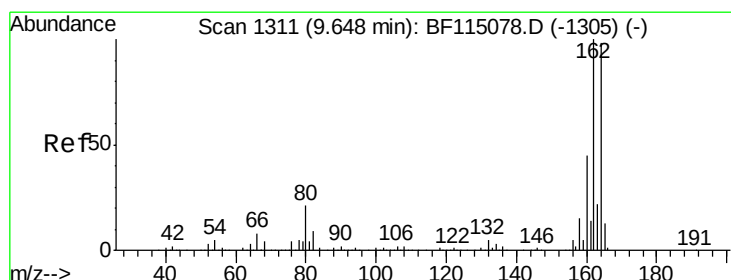
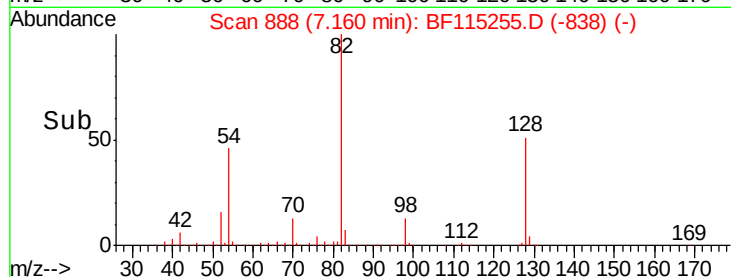
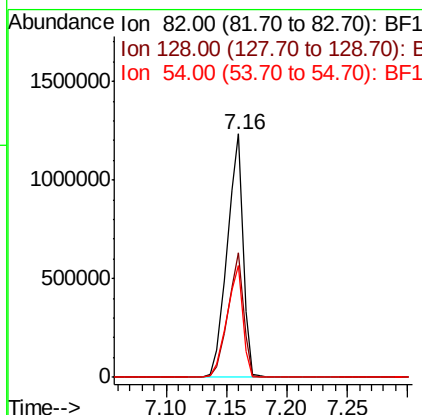
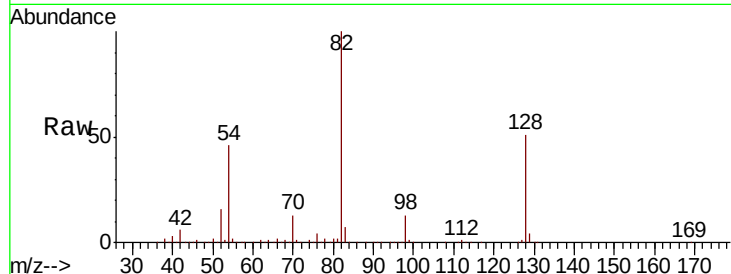
#23
Nitrobenzene-d5
Concen: 75.485 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115255.D
Acq: 28 Jun 2019 00:54

Instrument :
BNA_F
ClientSampleId :
TRIANGLE-AREA-SOIL-B

Tot Ion	82	Resp	1126671
Ion Ratio	100	Lower	Upper
82	100		
128	51.4	40.4	60.6
54	46.0	37.5	56.3

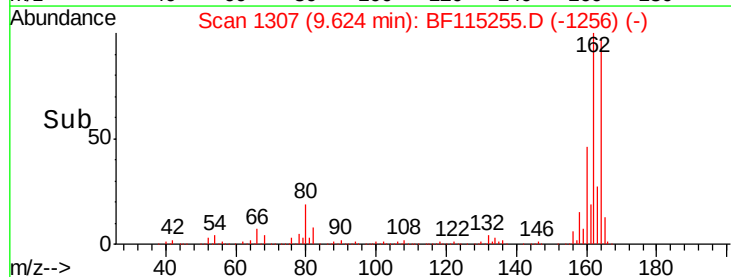
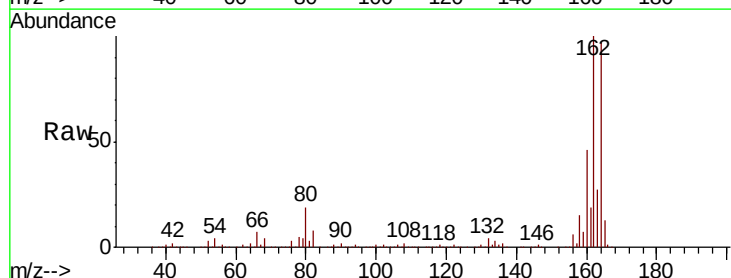
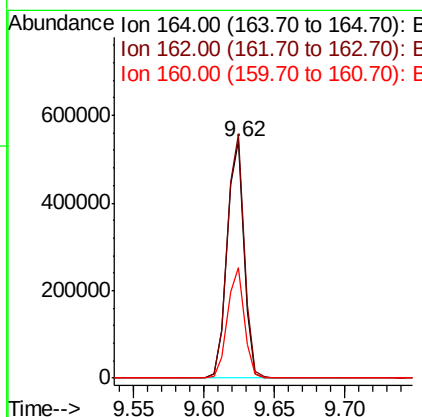
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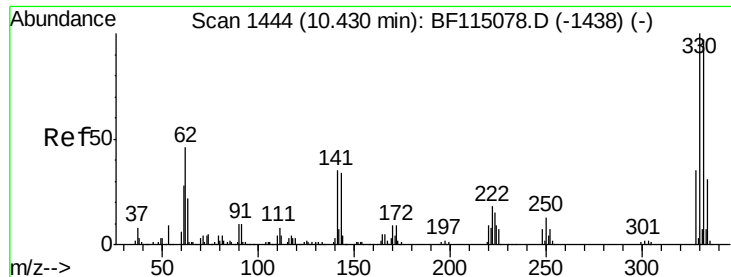
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.62 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BF115255.D
Acq: 28 Jun 2019 00:54

Tgt Ion	164	Resp	450064
Ion Ratio	100	Lower	Upper
164	100		
162	102.8	81.7	122.5
160	46.9	37.0	55.4





#42

2,4,6-Tribromophenol

Concen: 109.994 ng

RT: 10.41 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BF115255.D

Acq: 28 Jun 2019 00:54

Instrument :

BNA_F

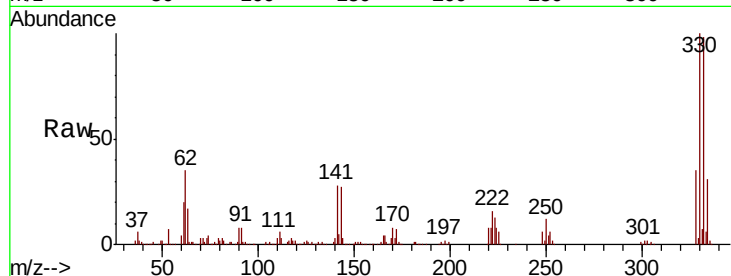
ClientSampleId :

TRIANGLE-AREA-SOIL-B

Tot Ion:	330	Resp:	522040
Ion Ratio	Lower	Upper	
330	100		
332	97.1	77.3	115.9
141	33.1	28.2	42.2

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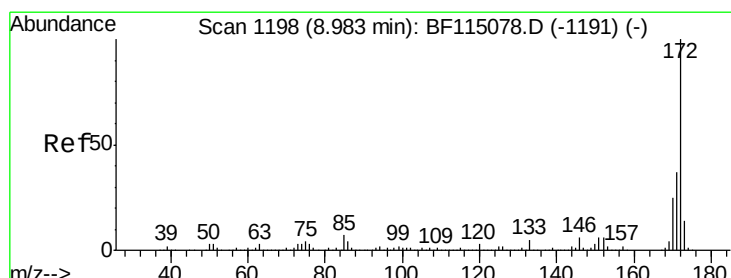
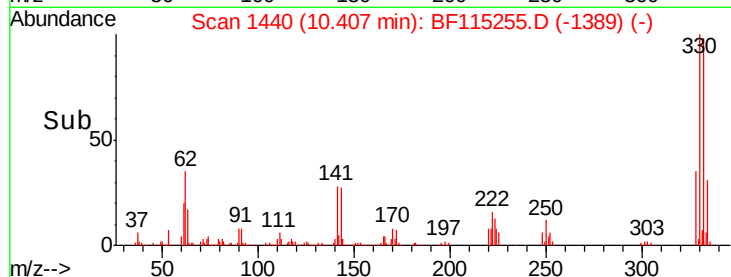
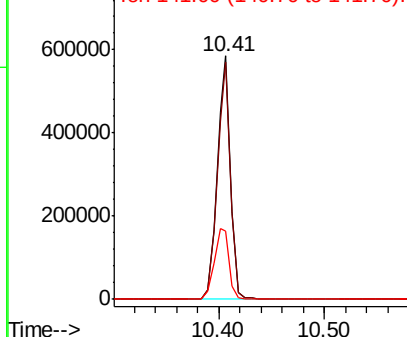


Abundance

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: 69.017 ng

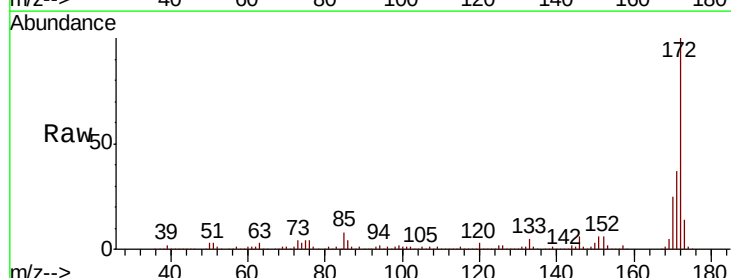
RT: 8.95 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF115255.D

Acq: 28 Jun 2019 00:54

Tgt Ion:	172	Resp:	1828672
Ion Ratio	Lower	Upper	
172	100		
171	36.9	29.8	44.6
170	25.2	20.3	30.5

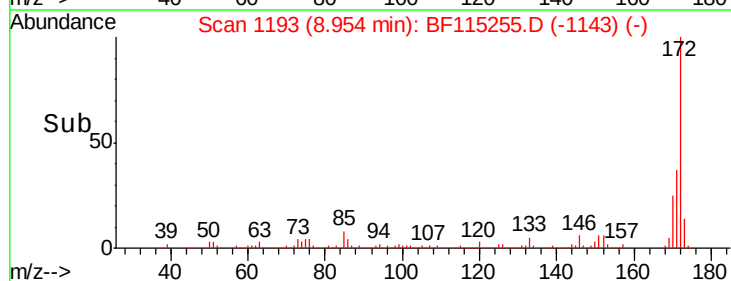
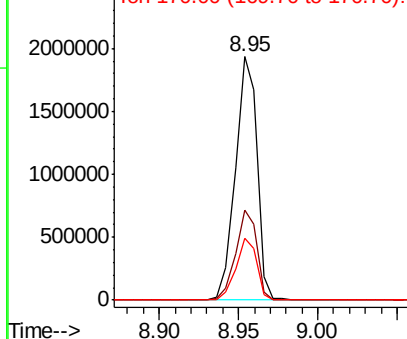


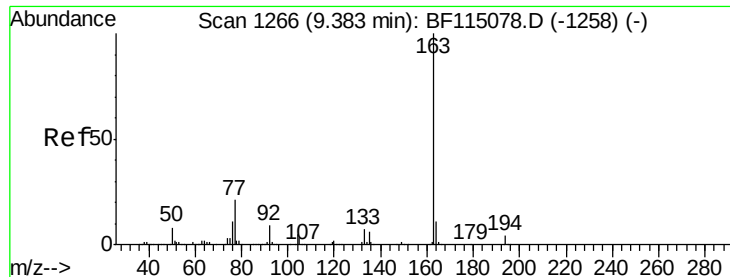
Abundance

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





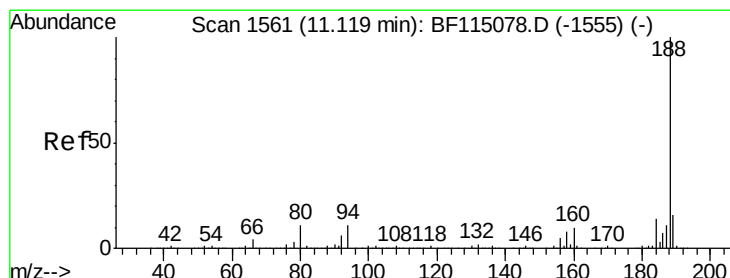
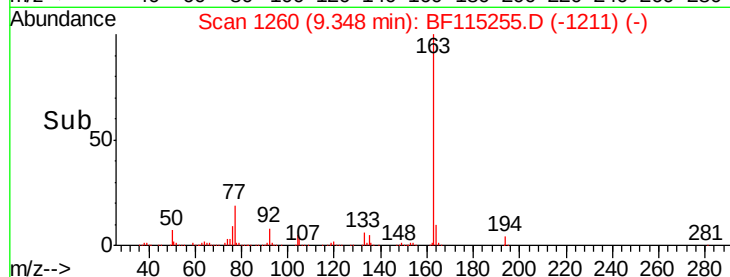
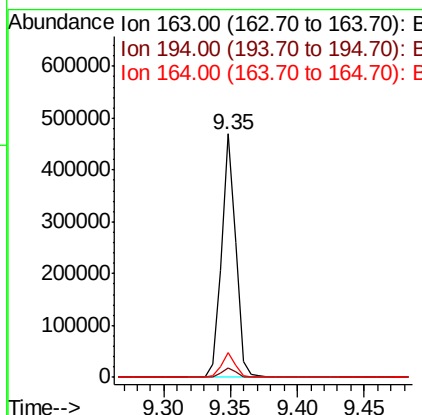
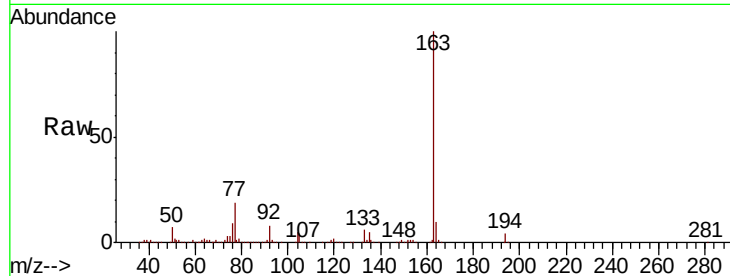
#50
Dimethylphthalate
Concen: 10.744 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115255.D
Acq: 28 Jun 2019 00:54

Instrument :
BNA_F
ClientSampleId :
TRIANGLE-AREA-SOIL-B

Tot Ion	Ratio	Resp	Lower	Upper
163	100	355766		
194	4.0	3.2	4.8	
164	10.1	8.6	13.0	

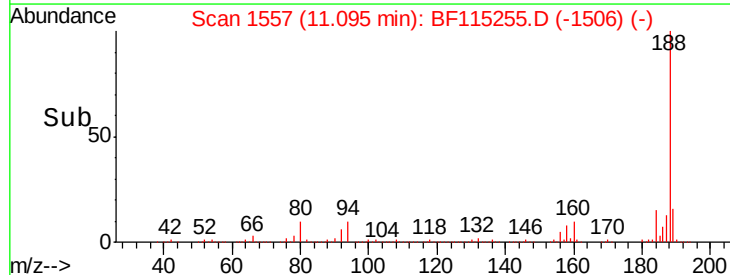
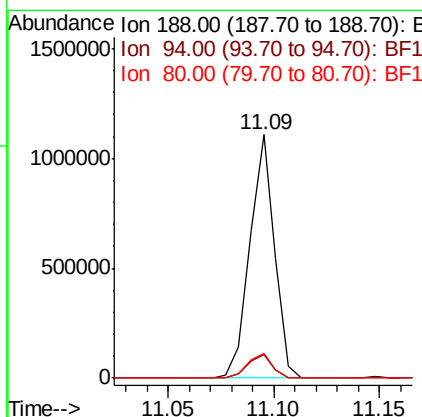
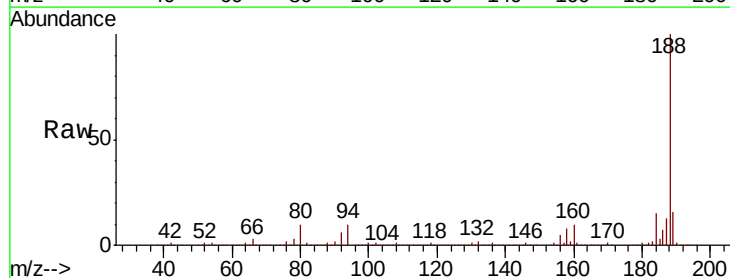
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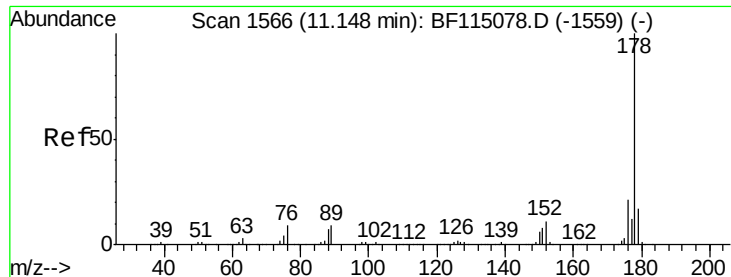
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.09 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF115255.D
Acq: 28 Jun 2019 00:54

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	895184		
94	9.7	8.6	12.8	
80	10.2	8.8	13.2	





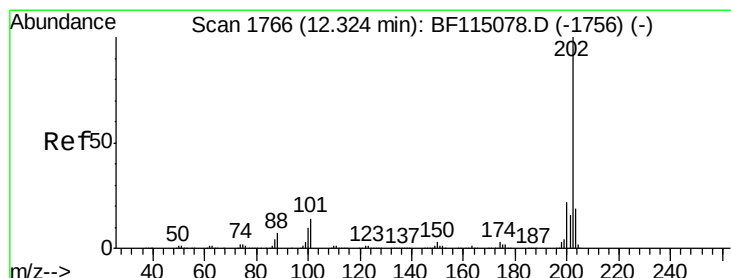
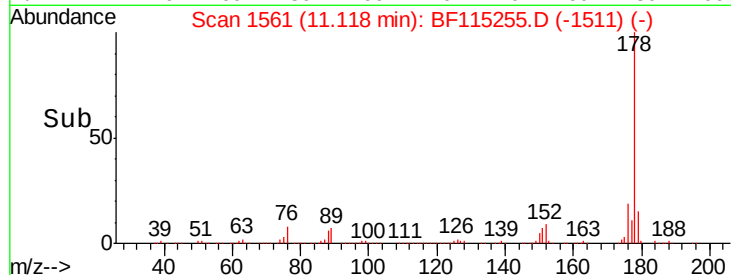
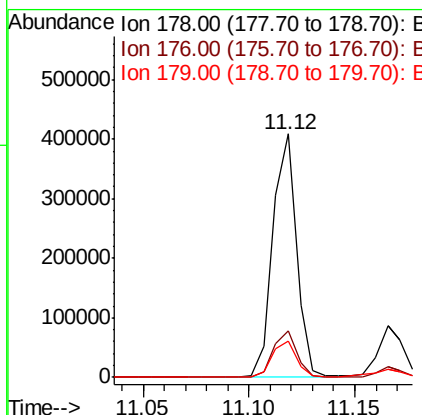
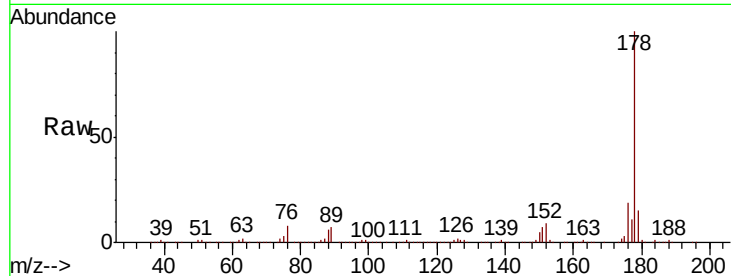
#71
Phenanthrene
Concen: 6.638 ng
RT: 11.12 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF115255.D
Acq: 28 Jun 2019 00:54

Instrument :
BNA_F
ClientSampleId :
TRIANGLE-AREA-SOIL-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.9	25.3
179	15.1	13.2	19.8

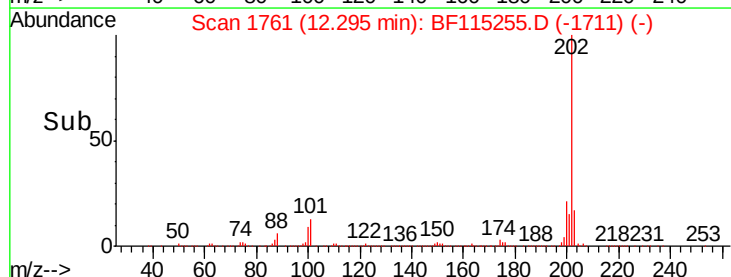
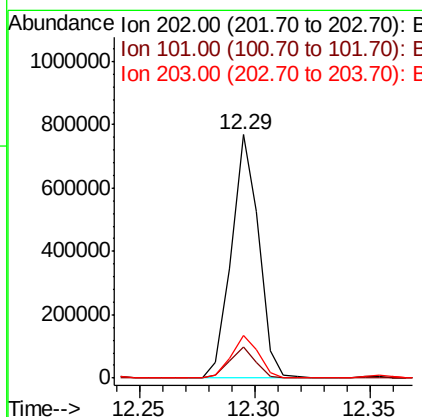
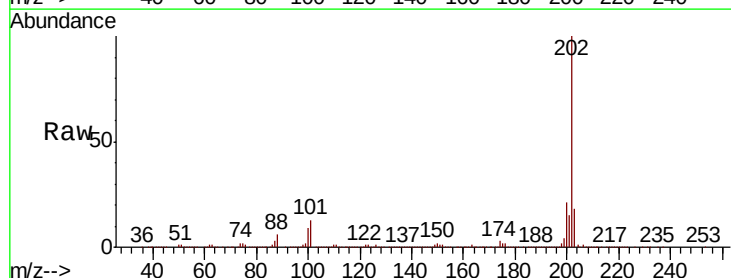
Manual Integrations
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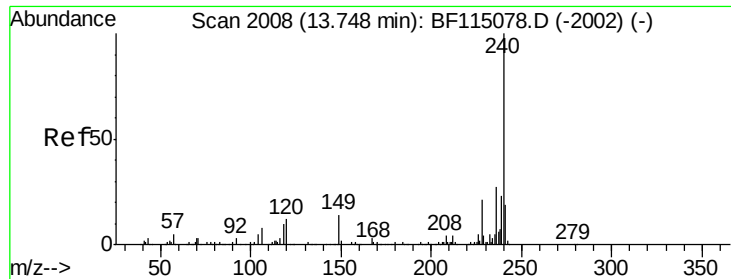
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#75
Fluoranthene
Concen: 13.113 ng
RT: 12.29 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF115255.D
Acq: 28 Jun 2019 00:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	34.0
203	17.5	0.0	38.8





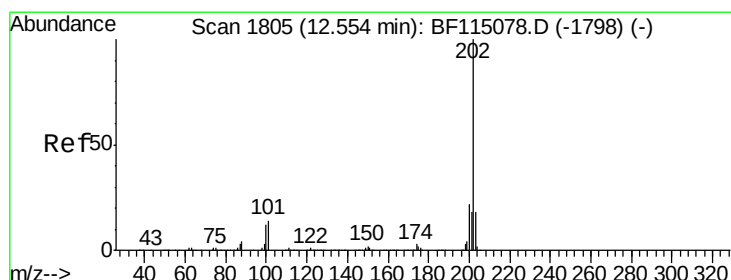
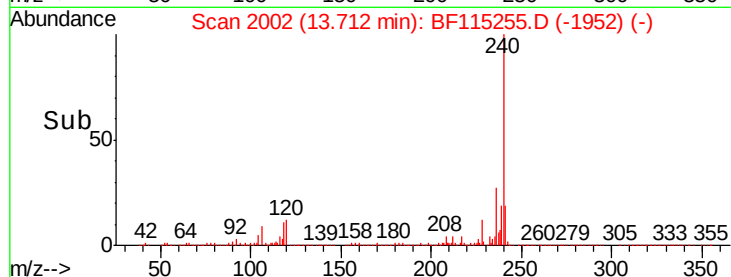
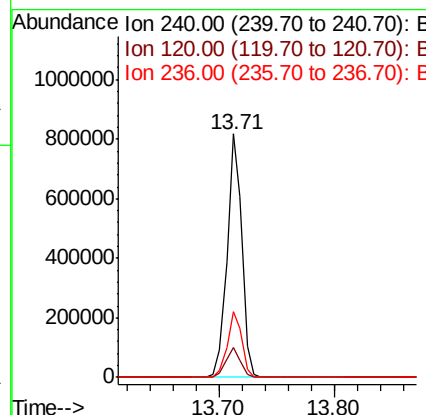
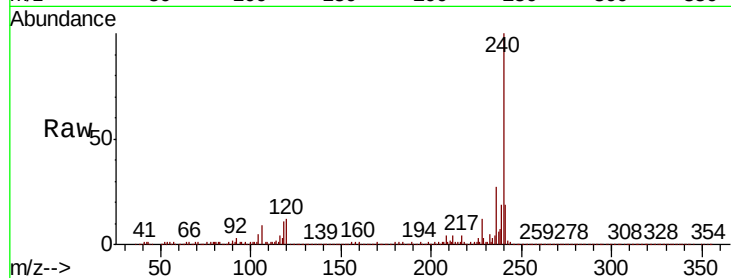
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.71 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF115255.D
Acq: 28 Jun 2019 00:54

Instrument :
BNA_F
ClientSampleId :
TRIANGLE-AREA-SOIL-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.4	14.2
236	27.1	21.7	32.5

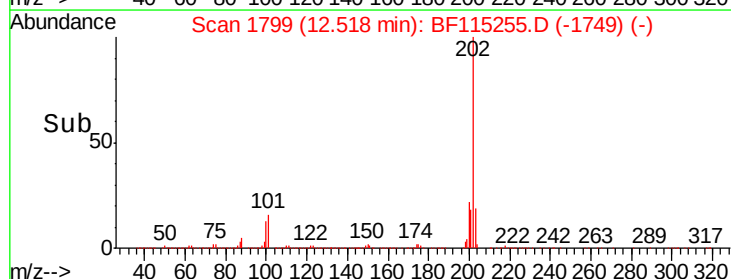
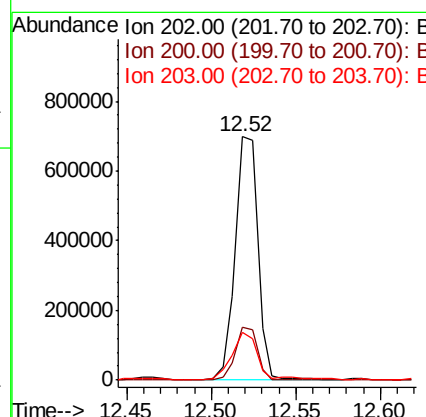
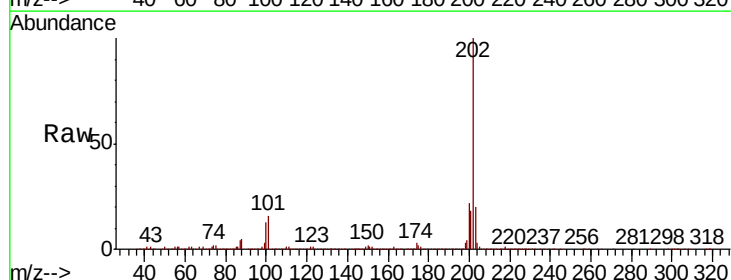
Manual Integrations
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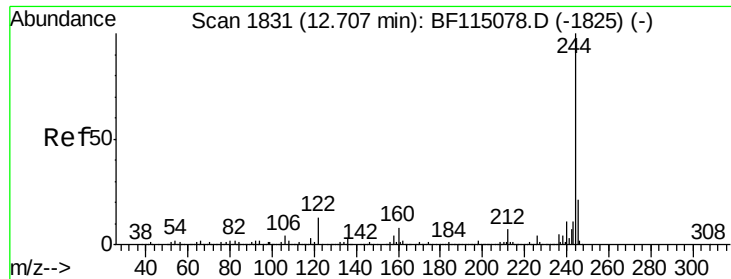
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#78
Pyrene
Concen: 11.776 ng
RT: 12.52 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF115255.D
Acq: 28 Jun 2019 00:54

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.9	26.9
203	19.7	14.6	21.8





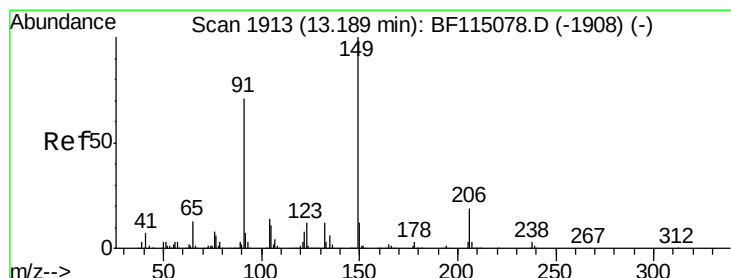
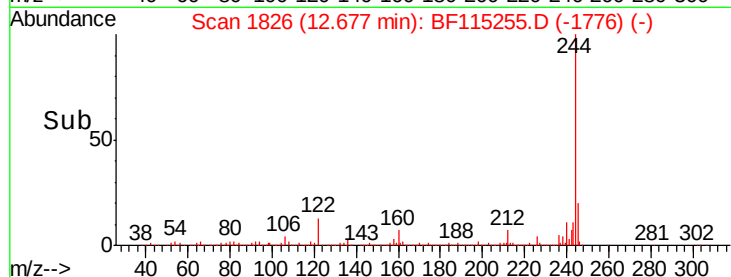
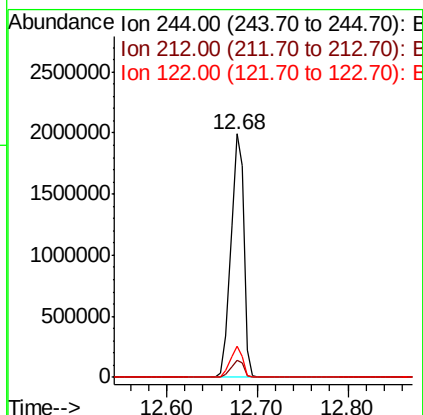
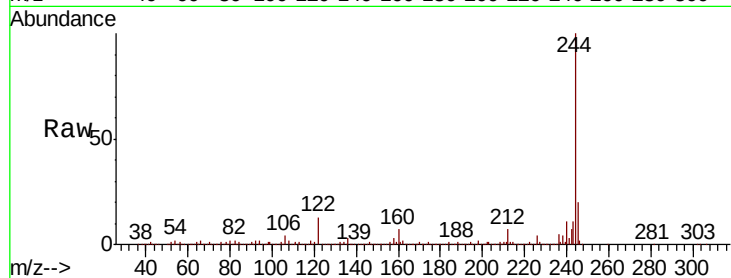
#79
 Terphenyl-d14
 Concen: 58.585 ng
 RT: 12.68 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF115255.D
 Acq: 28 Jun 2019 00:54

Instrument :
 BNA_F
 ClientSampleId :
 TRIANGLE-AREA-SOIL-B

Tot Ion:244 Resp: 1977205
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 12.9 10.4 15.6

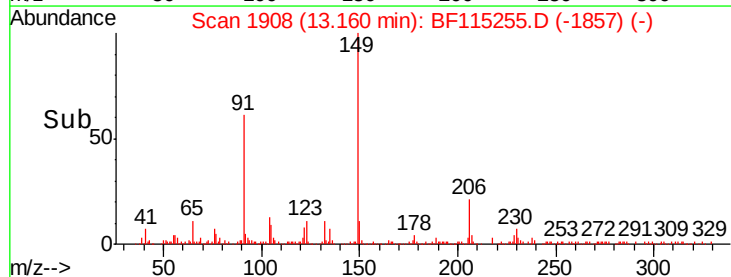
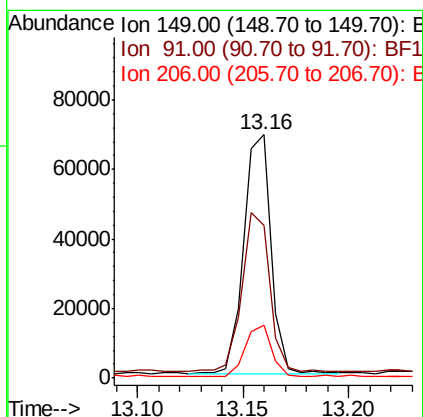
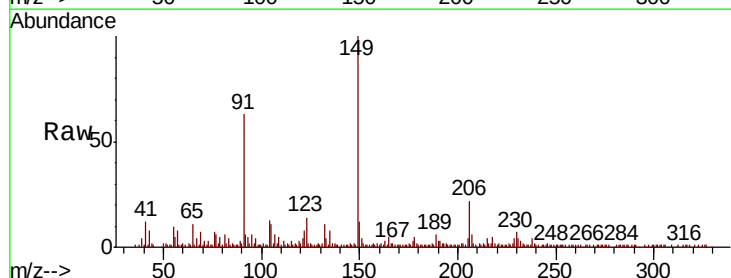
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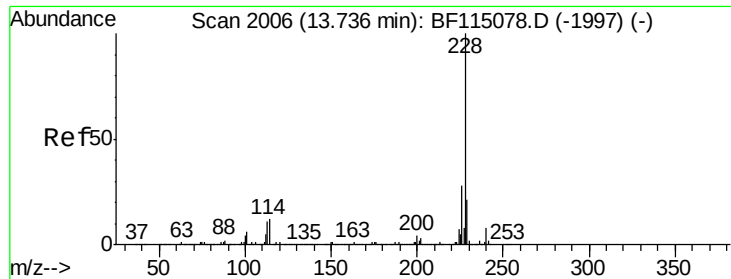
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#80
 Butylbenzylphthalate
 Concen: 2.523 ng
 RT: 13.16 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: BF115255.D
 Acq: 28 Jun 2019 00:54

Tgt Ion:149 Resp: 61391
 Ion Ratio Lower Upper
 149 100
 91 62.6 56.5 84.7
 206 21.6 15.3 22.9





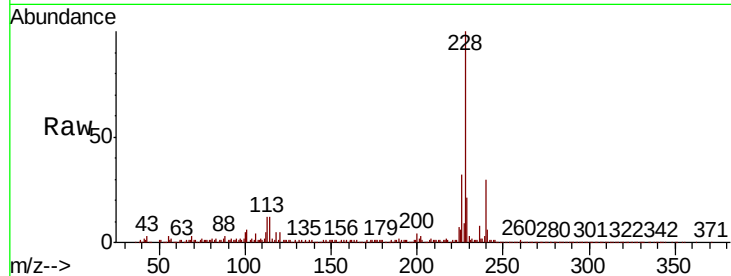
#81
Benzo(a)anthracene
Concen: 6.096 ng
RT: 13.70 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF115255.D
Acq: 28 Jun 2019 00:54

Instrument :
BNA_F
ClientSampleId :
TRIANGLE-AREA-SOIL-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.5	33.7
229	20.8	16.6	24.8

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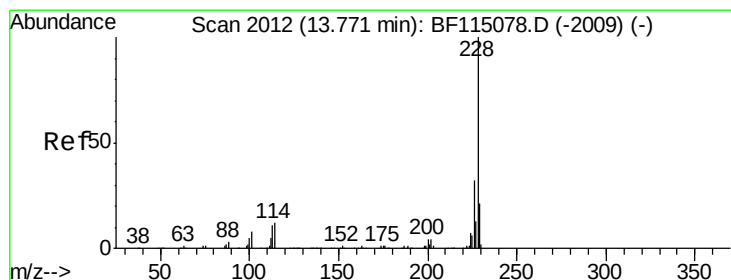
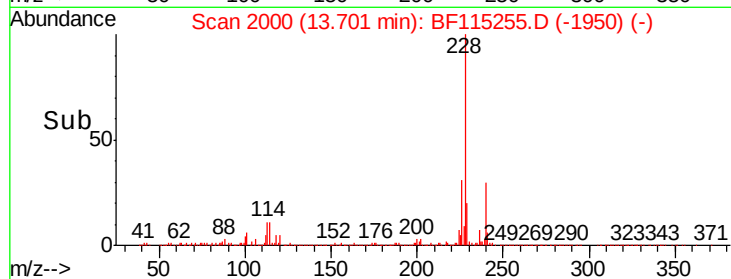
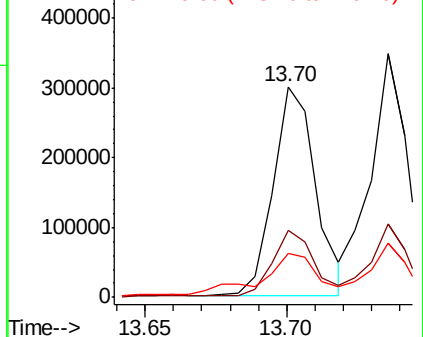


Abundance

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: 6.617 ng
RT: 13.74 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF115255.D
Acq: 28 Jun 2019 00:54

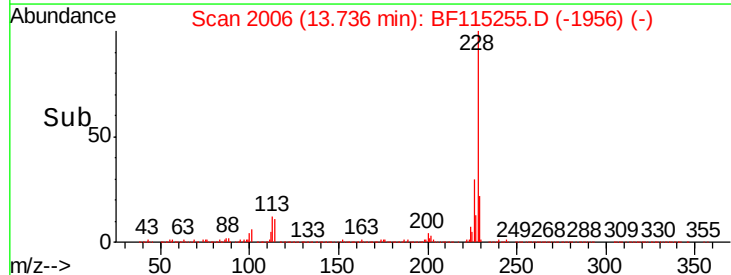
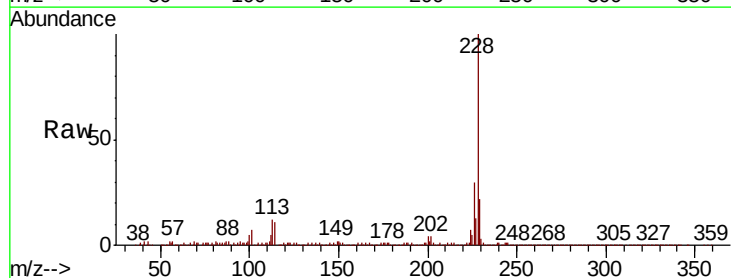
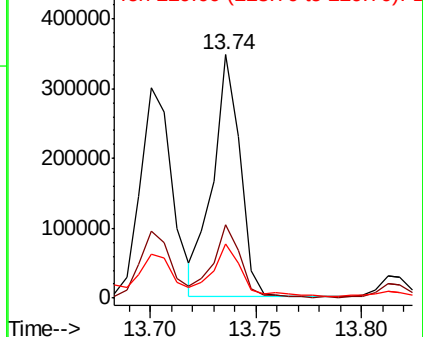
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.0
229	22.4	16.5	24.7

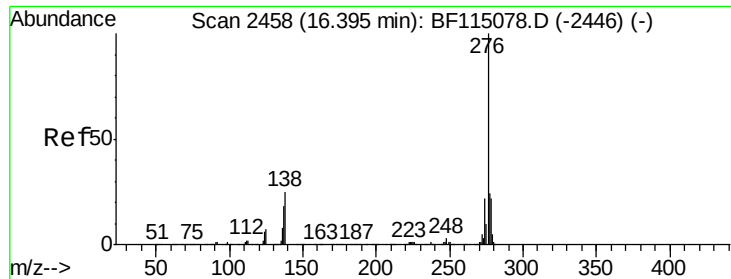
Abundance

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





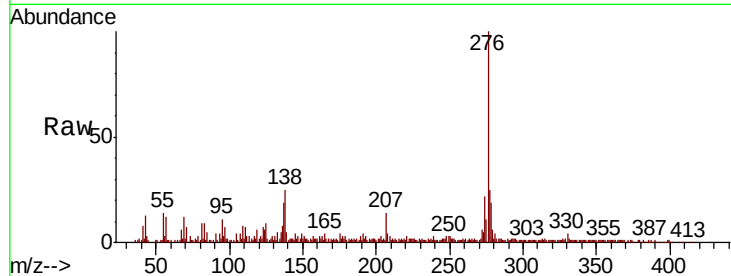
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.291 ng
 RT: 16.33 min Scan# 2447
 Delta R.T. -0.02 min
 Lab File: BF115255.D
 Acq: 28 Jun 2019 00:54

Instrument :
 BNA_F
 ClientSampleId :
 TRIANGLE-AREA-SOIL-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.2	23.2	34.8
277	23.7	20.1	30.1

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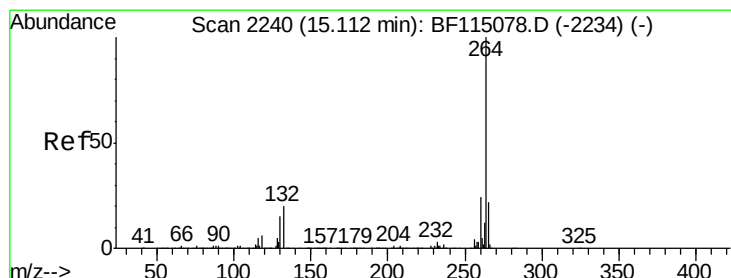
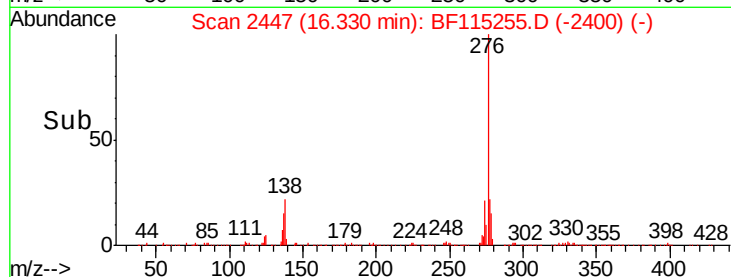
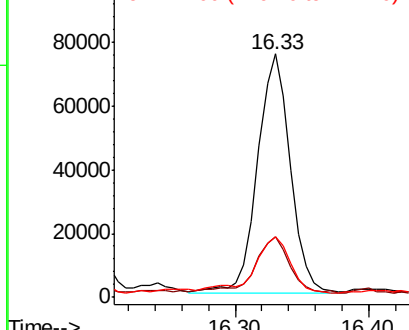


Abundance

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: 15.08 min Scan# 2234
 Delta R.T. -0.01 min
 Lab File: BF115255.D
 Acq: 28 Jun 2019 00:54

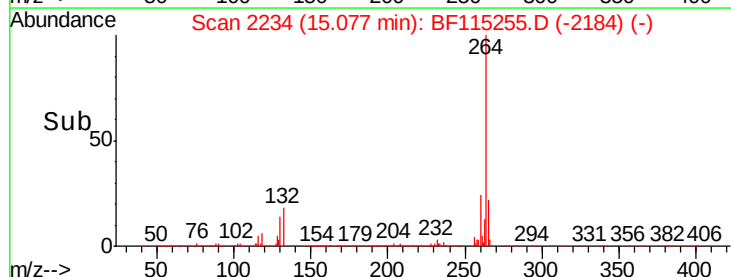
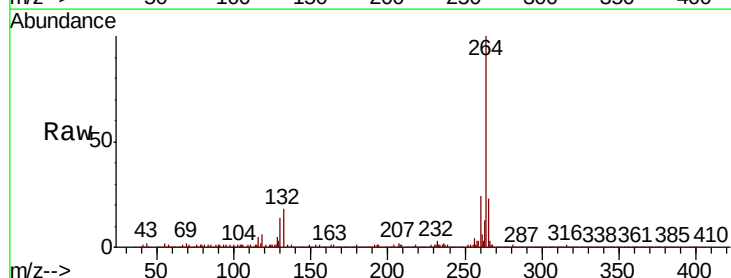
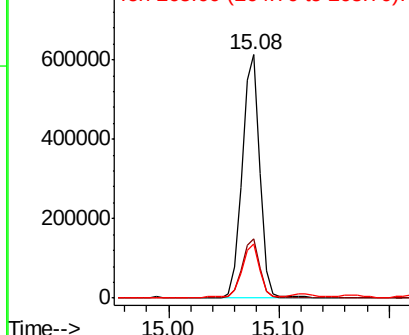
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.6	29.4
265	22.5	17.3	25.9

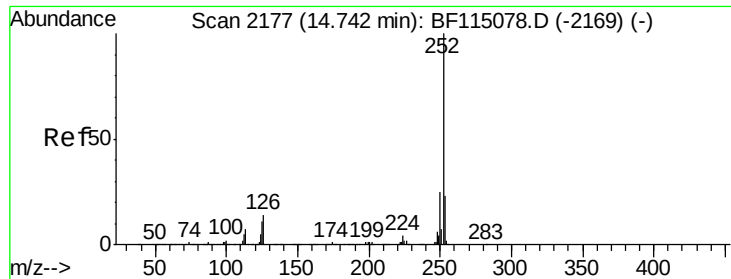
Abundance

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





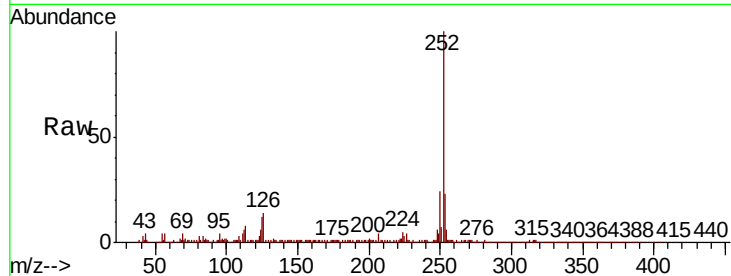
#88
Benzo(b)fluoranthene
Concen: 8.646 ng m
RT: 14.70 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BF115255.D
Acq: 28 Jun 2019 00:54

Instrument :
BNA_F
ClientSampleId :
TRIANGLE-AREA-SOIL-B

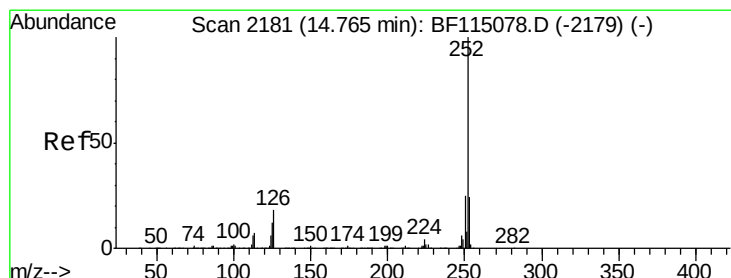
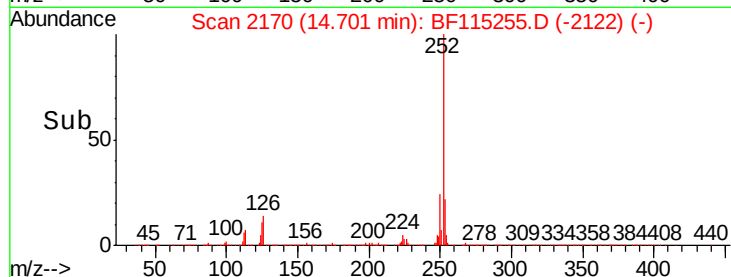
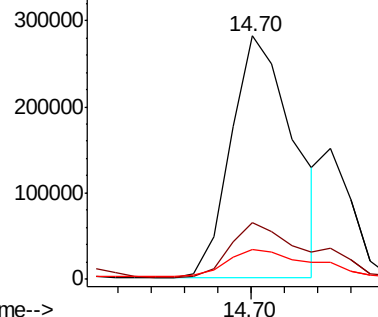
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	12.3	8.7	13.1

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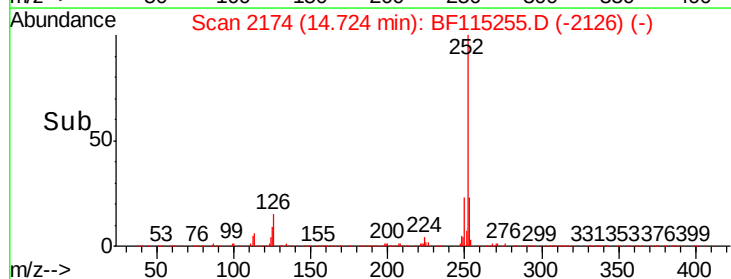
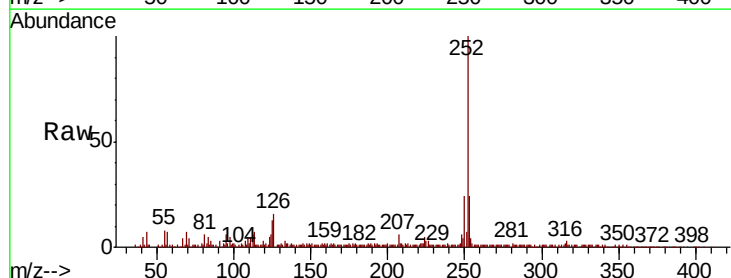
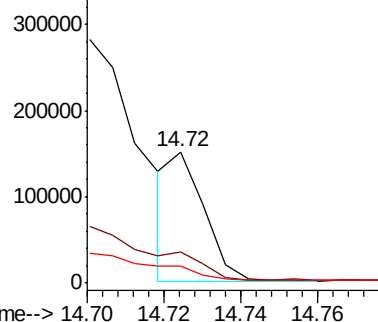
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

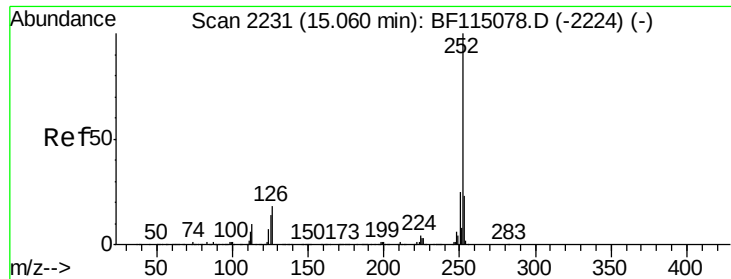


#89
Benzo(k)fluoranthene
Concen: 2.495 ng m
RT: 14.72 min Scan# 2174
Delta R.T. -0.02 min
Lab File: BF115255.D
Acq: 28 Jun 2019 00:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.9	28.3
125	12.5	10.2	15.2

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





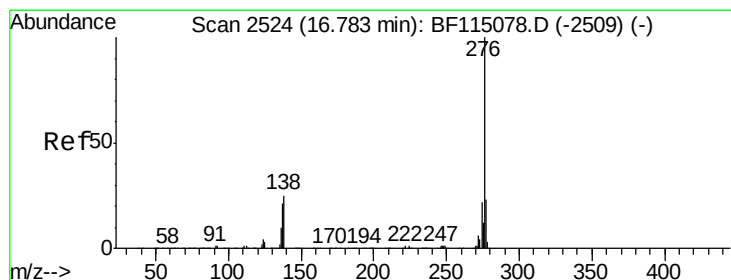
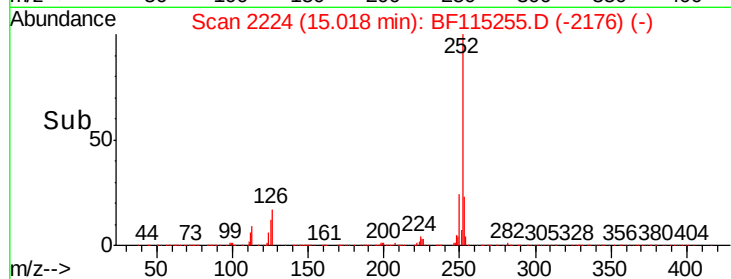
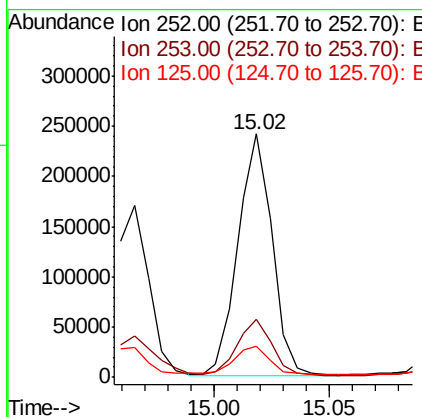
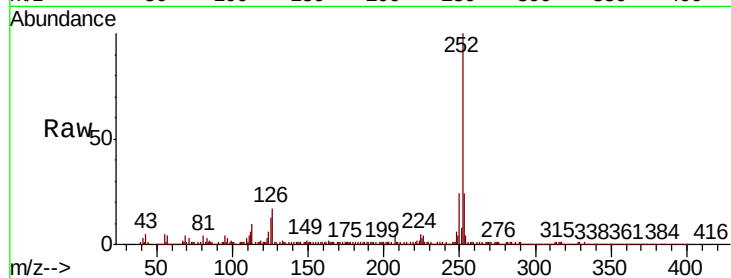
#90
Benzo(a)pyrene
Concen: 6.474 ng
RT: 15.02 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF115255.D
Acq: 28 Jun 2019 00:54

Instrument :
BNA_F
ClientSampleId :
TRIANGLE-AREA-SOIL-B

Tot Ion:	252	Resp:	249344
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.3	27.5
125	12.8	10.9	16.3

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#92
Benzo(g,h,i)perylene
Concen: 3.256 ng
RT: 16.71 min Scan# 2511
Delta R.T. -0.03 min
Lab File: BF115255.D
Acq: 28 Jun 2019 00:54

Tgt Ion:	276	Resp:	118503
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.6	28.0
138	25.7	19.8	29.6

