

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117518.D
 Acq On : 24 Oct 2019 18:53
 Operator : JU
 Sample : K5499-17
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 704-04-(0-1)

Manual Integrations
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mohammad
 10/26/2019 10:03:01 AM

Quant Time: Nov 02 05:25:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	47299	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	191567	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	92782	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	129926	20.00	ng	0.00
76) Chrysene-d12	13.90	240	91032	20.00	ng	0.00
87) Perylene-d12	15.33	264	94964	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	274605	86.37	ng	0.00
7) Phenol-d6	6.39	99	372773	87.30	ng	0.00
23) Nitrobenzene-d5	7.30	82	230012	59.28	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	59219	73.77	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	373910	56.78	ng	0.00
79) Terphenyl-d14	12.83	244	238790	42.79	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.48	163	52886	7.996	ng	98
71) Phenanthrene	11.27	178	120705	15.999	ng	100
72) Anthracene	11.33	178	27954	3.611	ng	98
75) Fluoranthene	12.47	202	246227	32.602	ng	98
78) Pyrene	12.70	202	232088	29.682	ng	99
81) Benzo(a)anthracene	13.89	228	129686	21.120	ng	99
83) Chrysene	13.92	228	115852	19.251	ng	99
86) Indeno(1,2,3-cd)pyrene	16.75	276	55250	12.297	ng	93
88) Benzo(b)fluoranthene	14.92	252	157508m	28.088	ng	
89) Benzo(k)fluoranthene	14.94	252	56351m	9.804	ng	
90) Benzo(a)pyrene	15.27	252	111201	21.810	ng	# 94
91) Dibenzo(a,h)anthracene	16.74	278	12810	2.906	ng	# 74
92) Benzo(a,h,i)perylene	17.18	276	54211	12.996	ng	96

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

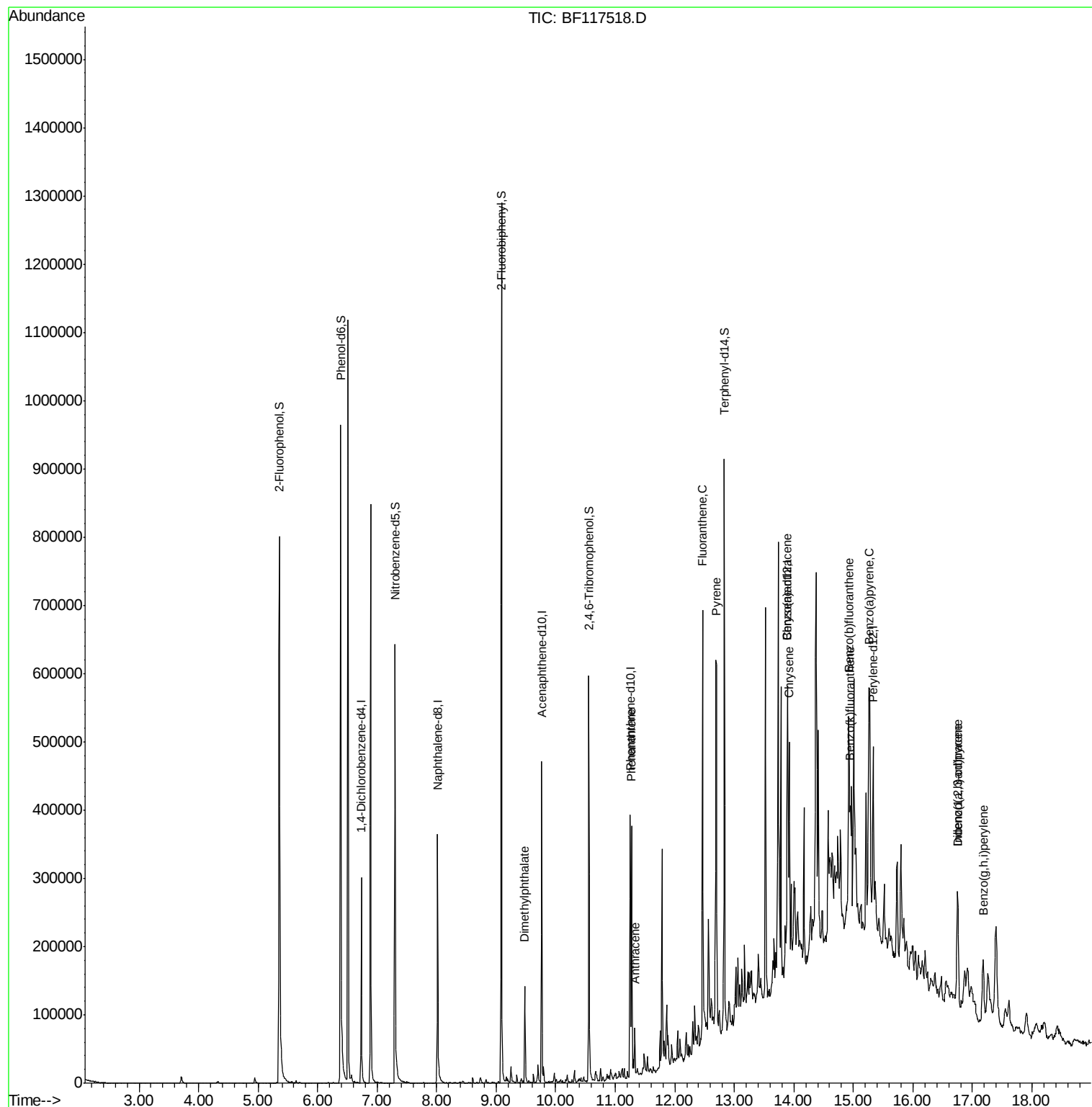
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117518.D
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#1

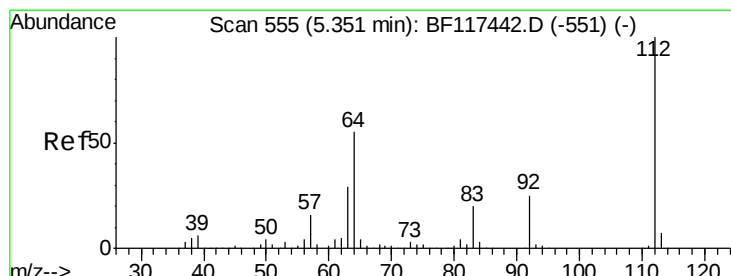
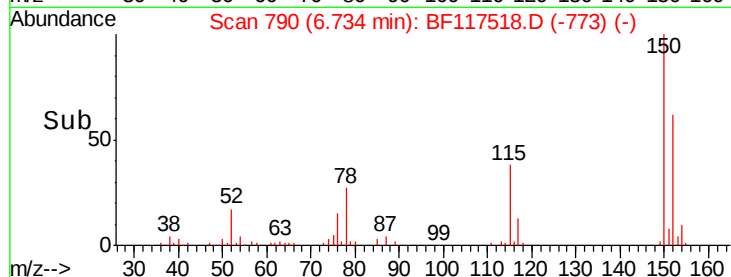
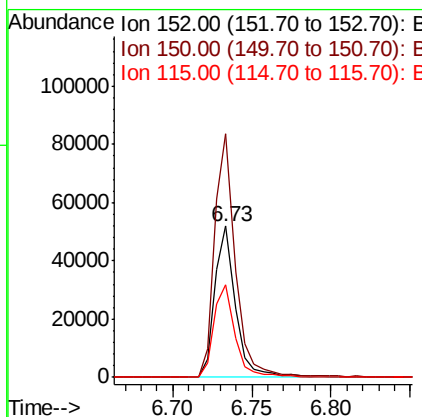
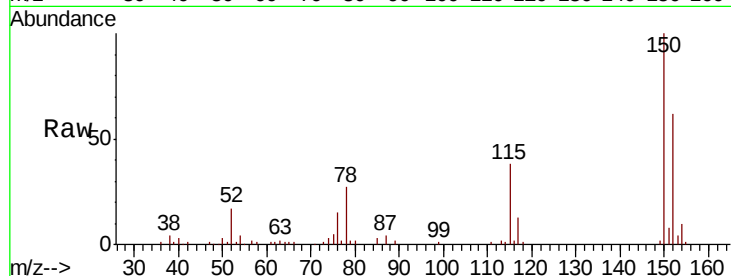
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Instrument :
BNA_F
ClientSampleId :
704-04-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	126.8	190.2
115	61.1	51.6	77.4

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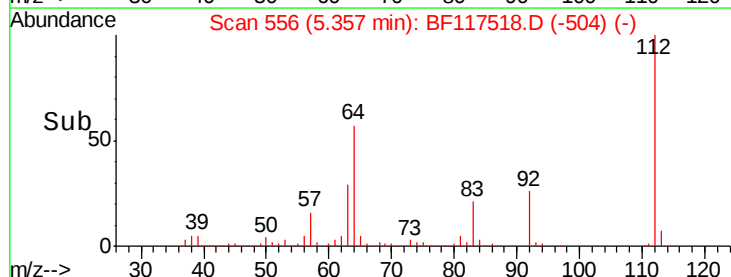
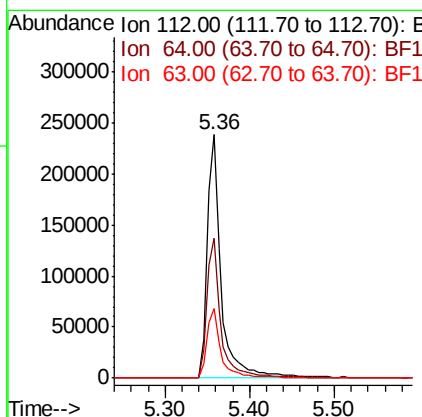
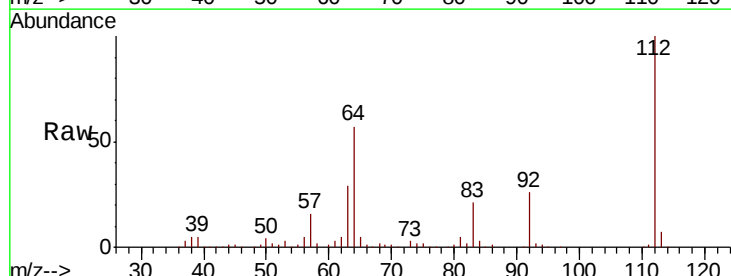
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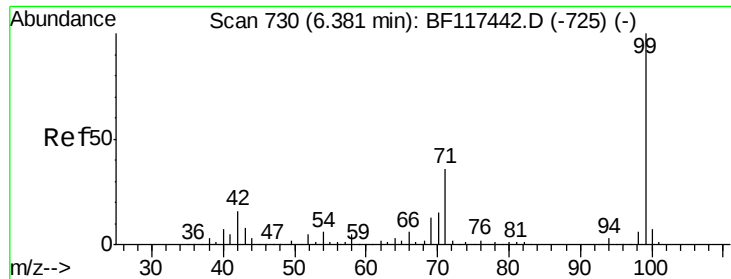


#5

2-Fluorophenol
Concen: 86.372 ng
RT: 5.36 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	44.1	66.1
63	28.5	23.4	35.2





#7

Phenol-d6

Concen: 87.296 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

Instrument :

BNA_F

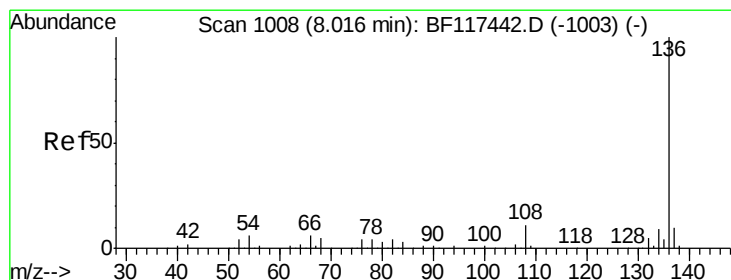
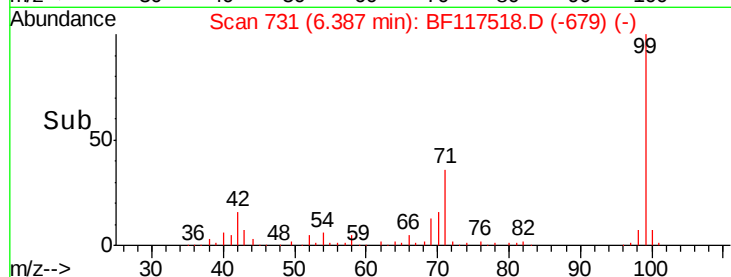
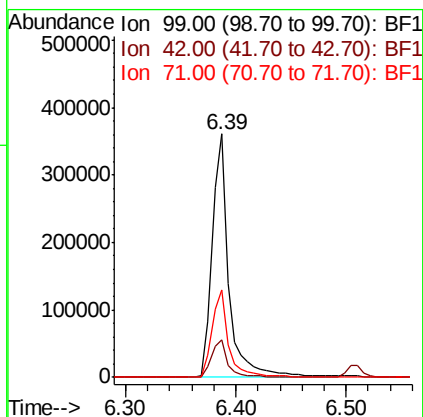
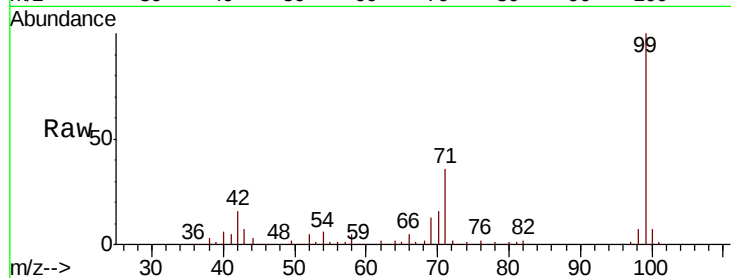
ClientSampleId :

704-04-(0-1)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		372773		
42	15.6	12.8	19.2		
71	35.8	28.6	43.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

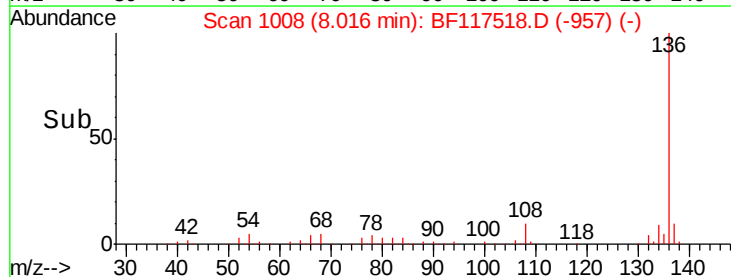
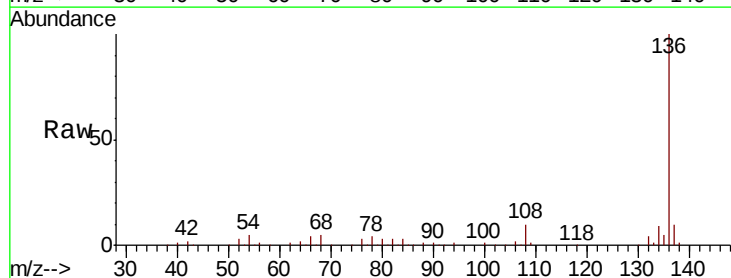
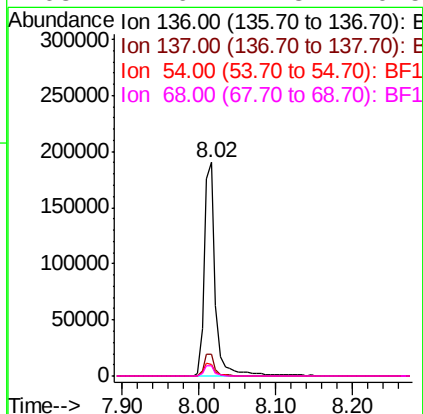
RT: 8.02 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		191567		
137	10.3	8.2	12.4		
54	5.3	4.5	6.7		
68	4.6	4.3	6.5		





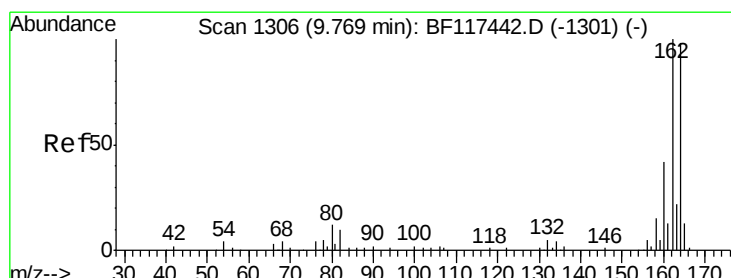
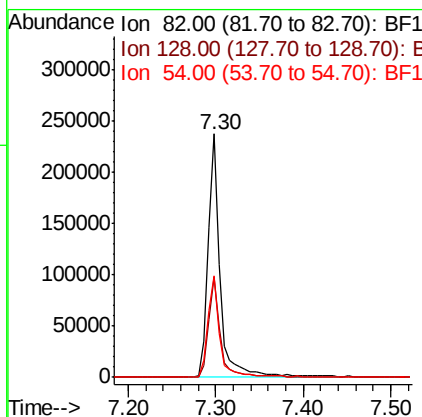
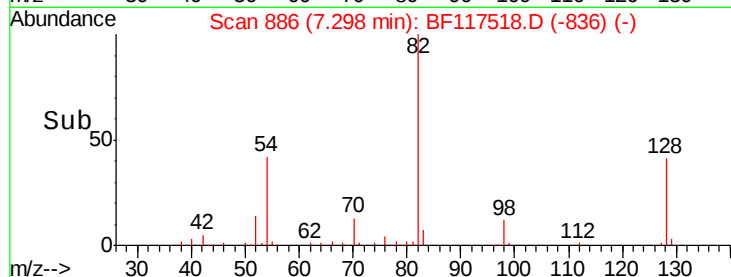
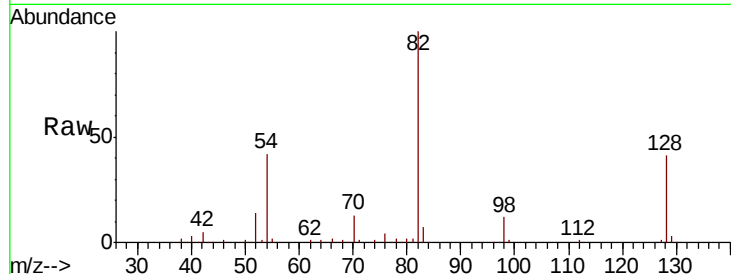
#23
Nitrobenzene-d5
Concen: 59.275 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Instrument :
BNA_F
ClientSampleId :
704-04-(0-1)

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.0	32.2	48.2
54	41.7	34.2	51.2

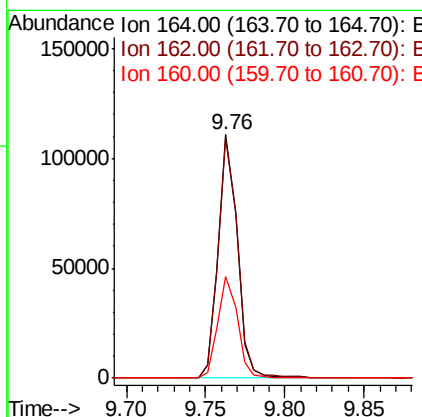
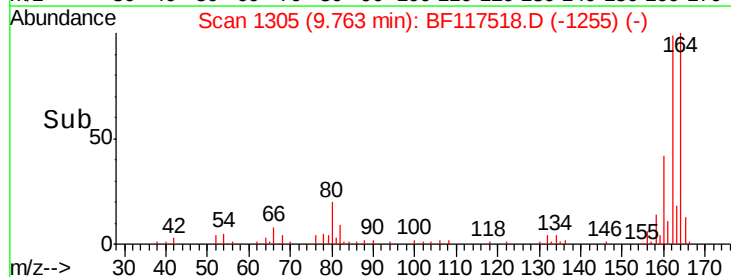
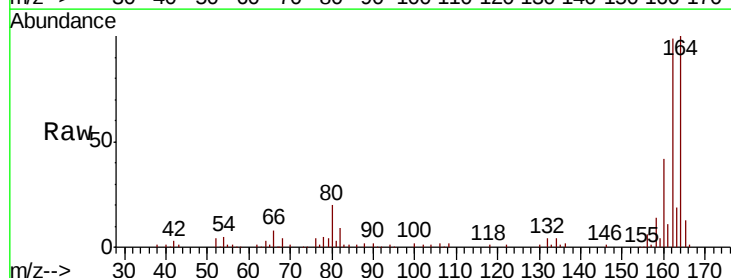
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.6	81.8	122.6
160	41.5	34.4	51.6





#42

2,4,6-Tribromophenol

Concen: 73.765 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

Instrument :

BNA_F

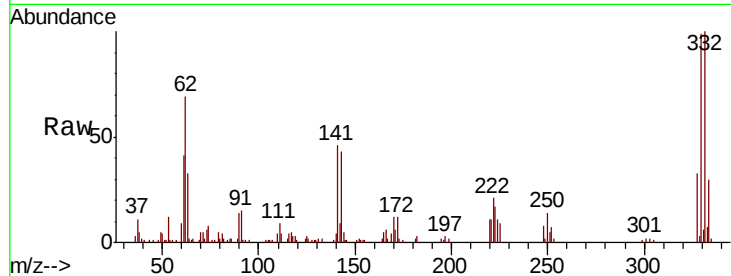
ClientSampleId :

704-04-(0-1)

Tot Ion:	330	Resp:	59219
Ion Ratio	Lower	Upper	
330	100		
332	98.2	78.5	117.7
141	43.9	37.0	55.6

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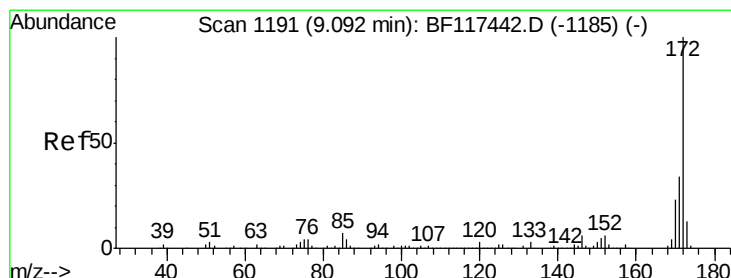
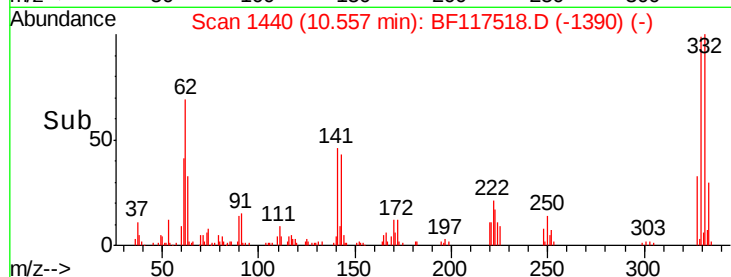
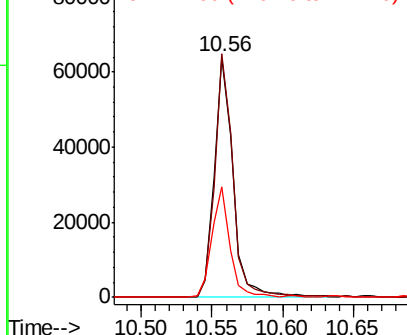


Abundance

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: 56.782 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

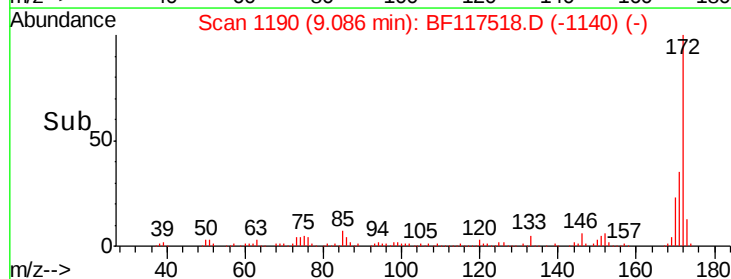
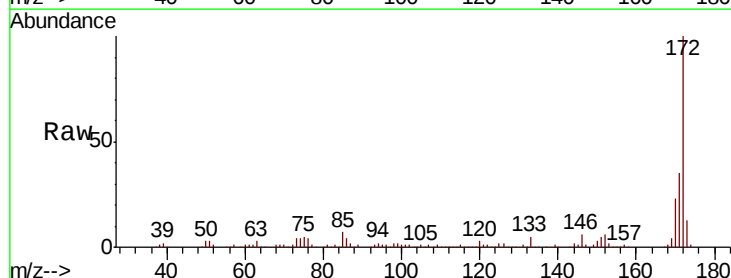
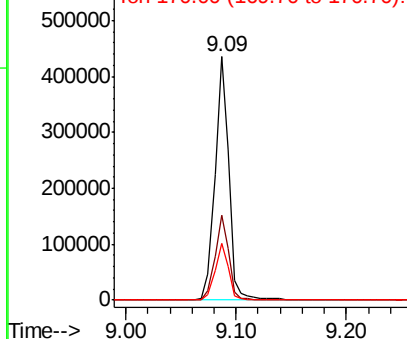
Tgt Ion:	172	Resp:	373910
Ion Ratio	Lower	Upper	
172	100		
171	34.8	27.5	41.3
170	23.3	18.6	27.8

Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.996 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

Instrument :

BNA_F

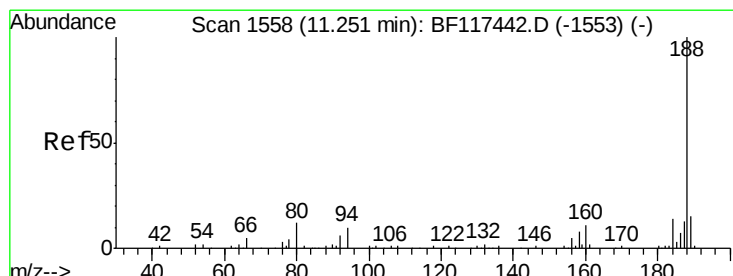
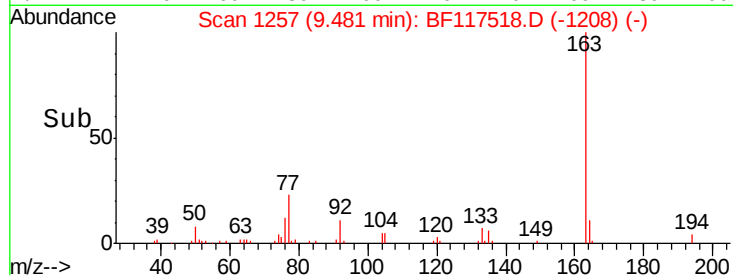
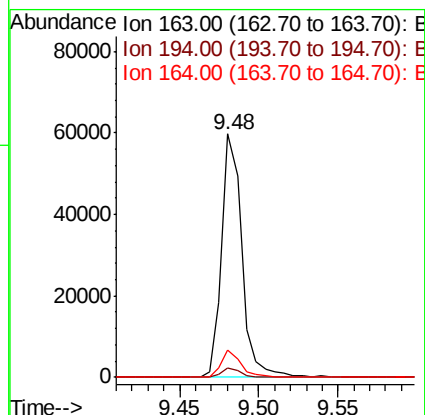
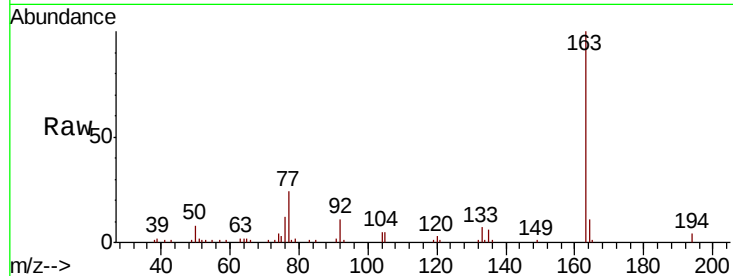
ClientSampleId :

704-04-(0-1)

Tot Ion:	163	Resp:	52886
Ion Ratio	Lower	Upper	
163	100		
194	4.1	2.9	4.3
164	11.2	8.2	12.2

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#64

Phenanthrene-d10

Concen: 20.000 ng

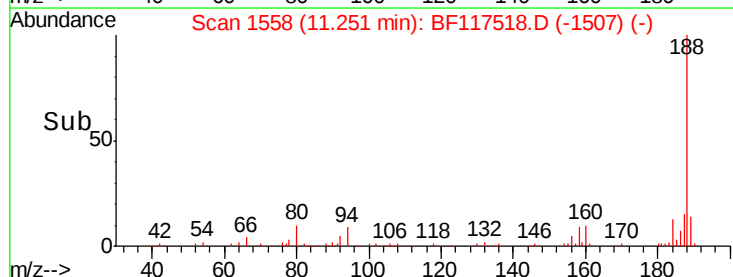
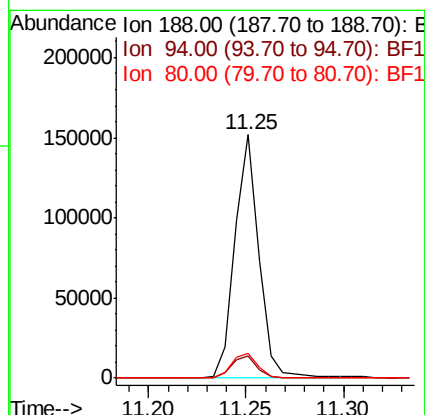
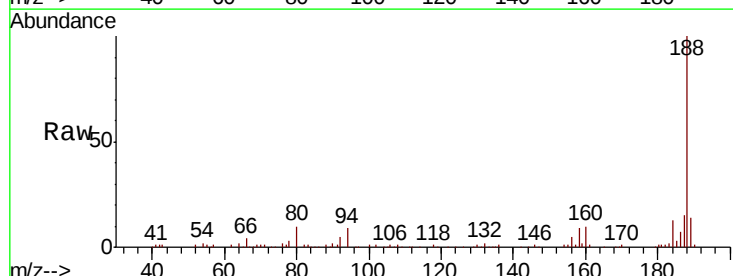
RT: 11.25 min Scan# 1558

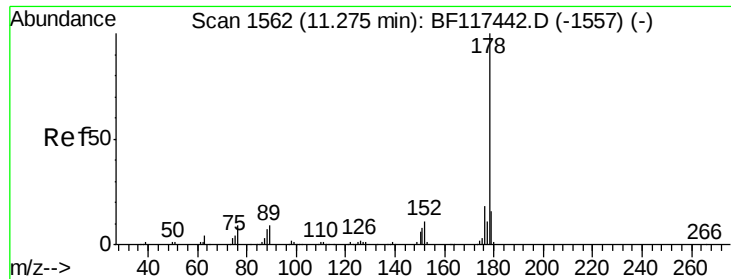
Delta R.T. 0.00 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

Tgt Ion:	188	Resp:	129926
Ion Ratio	Lower	Upper	
188	100		
94	9.0	8.0	12.0
80	10.4	9.5	14.3





#71

Phenanthrene

Concen: 15.999 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

Instrument :

BNA_F

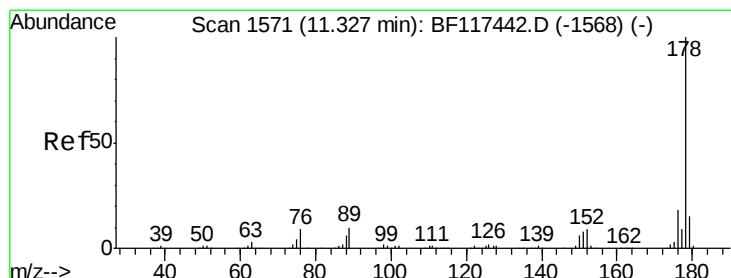
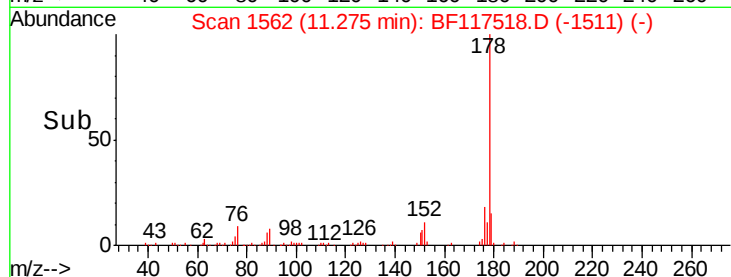
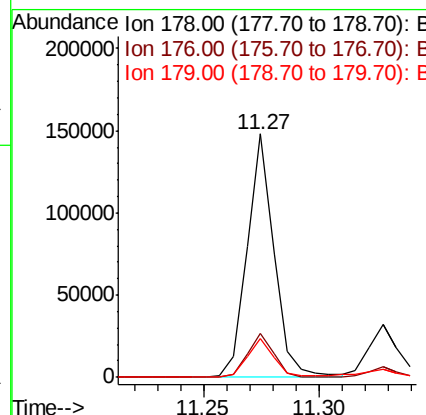
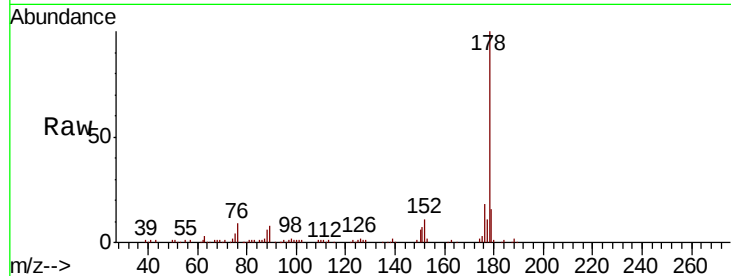
ClientSampleId :

704-04-(0-1)

Tot Ion:	178	Resp:	120705
Ion Ratio	Lower	Upper	
178	100		
176	18.1	14.6	22.0
179	15.7	12.6	19.0

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#72

Anthracene

Concen: 3.611 ng

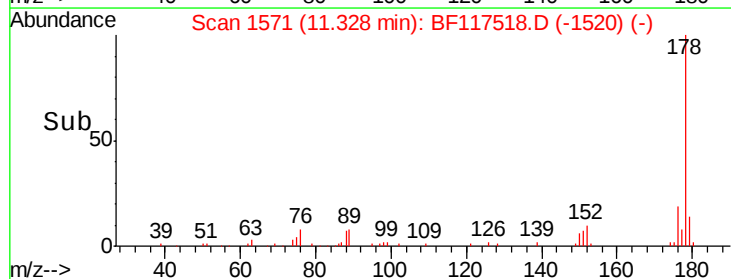
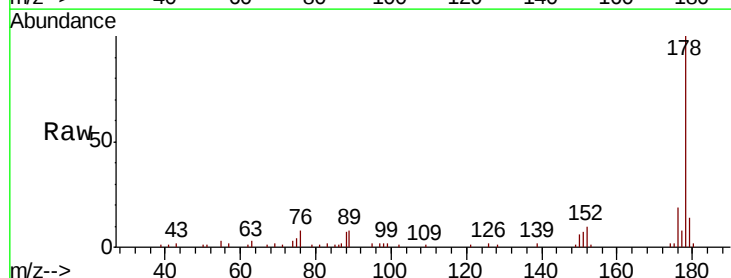
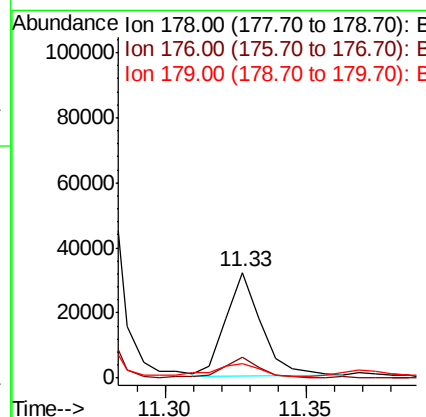
RT: 11.33 min Scan# 1571

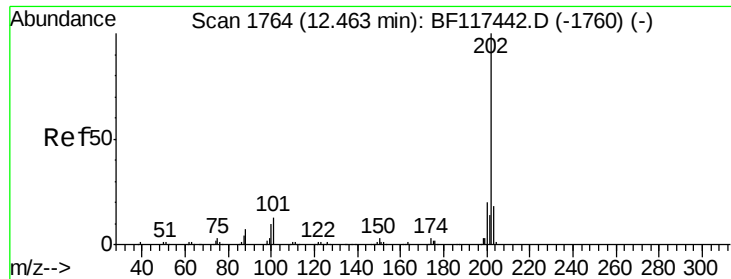
Delta R.T. 0.00 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

Tgt Ion:	178	Resp:	27954
Ion Ratio	Lower	Upper	
178	100		
176	19.3	14.7	22.1
179	14.2	12.2	18.2





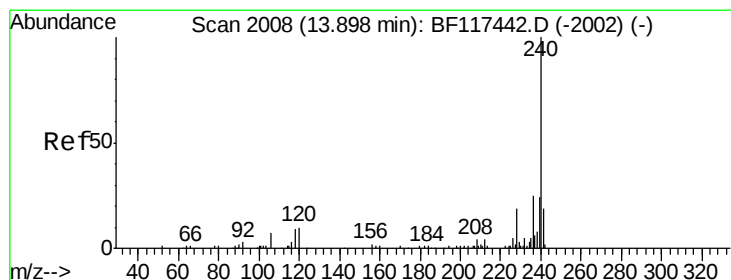
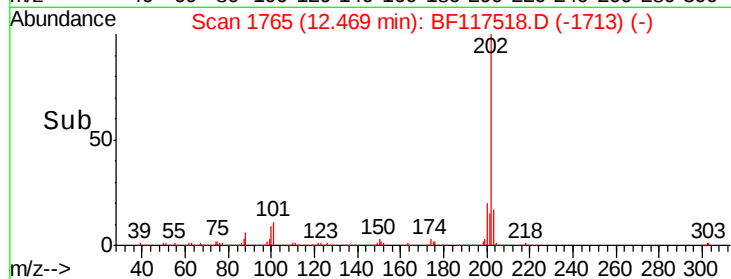
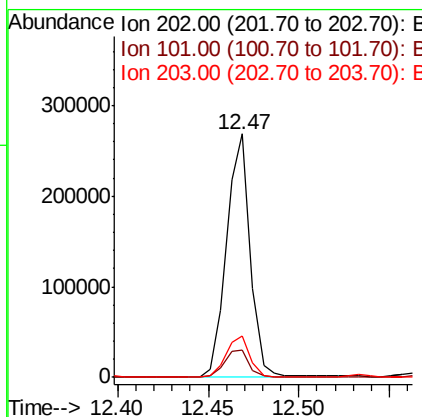
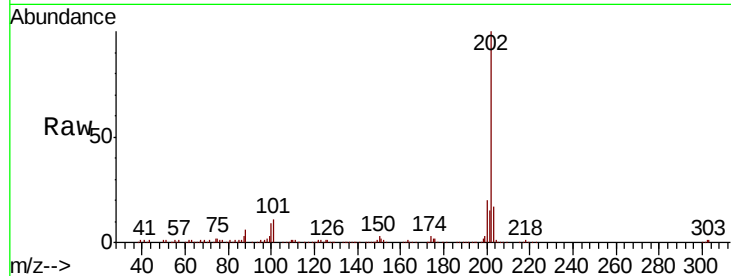
#75
 Fluoranthene
 Concen: 32.602 ng
 RT: 12.47 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: BF117518.D
 Acq: 24 Oct 2019 18:53

Instrument :
 BNA_F
 ClientSampleId :
 704-04-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	246227		
101	11.3	0.0	32.7	
203	17.1	0.0	37.6	

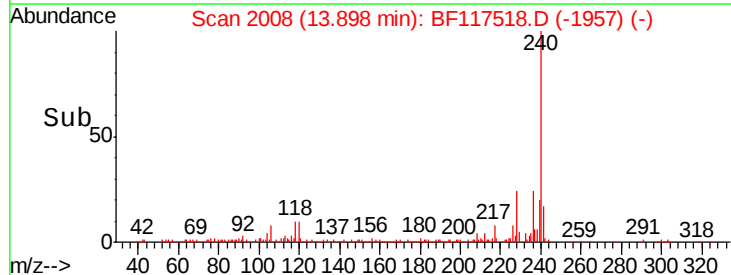
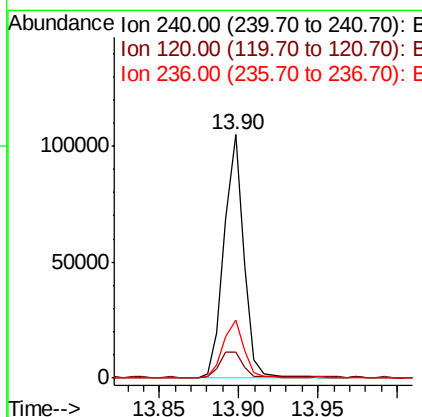
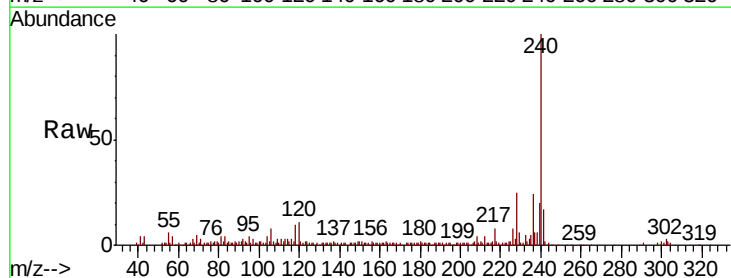
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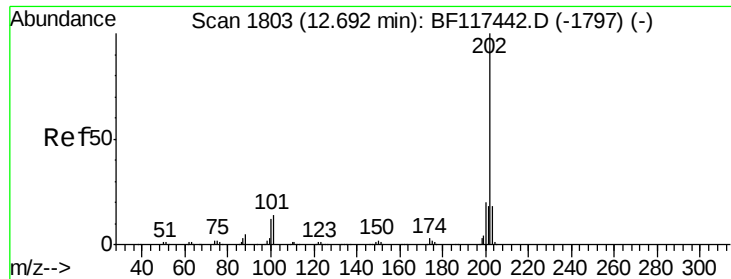
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: BF117518.D
 Acq: 24 Oct 2019 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	91032		
120	10.7	8.4	12.6	
236	23.6	20.0	30.0	





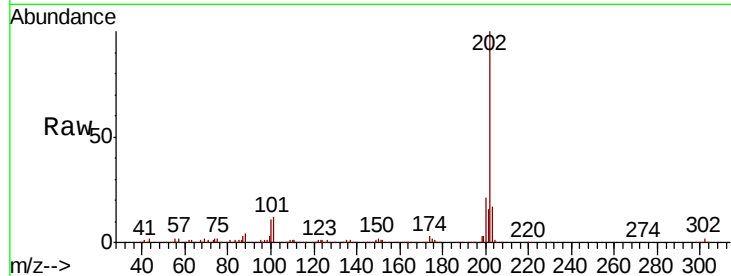
#78
Pvrene
Concen: 29.682 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Instrument :
BNA_F
ClientSampleId :
704-04-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	232088		
200	20.6		16.2	24.2
203	16.6		14.0	21.0

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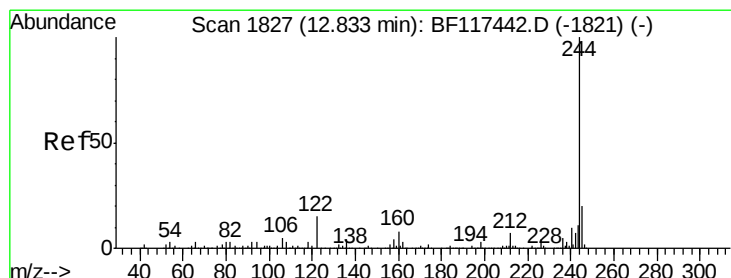
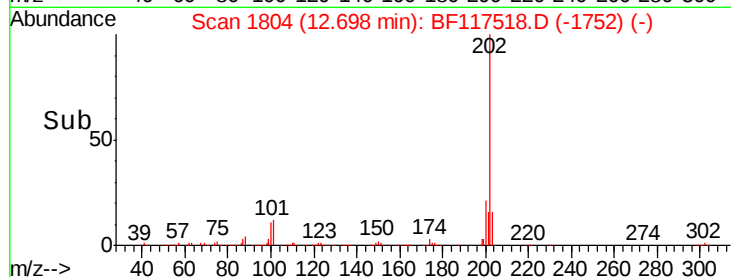
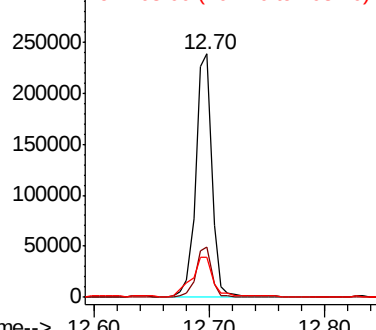


Abundance

Ion 202.00 (201.70 to 202.70): E

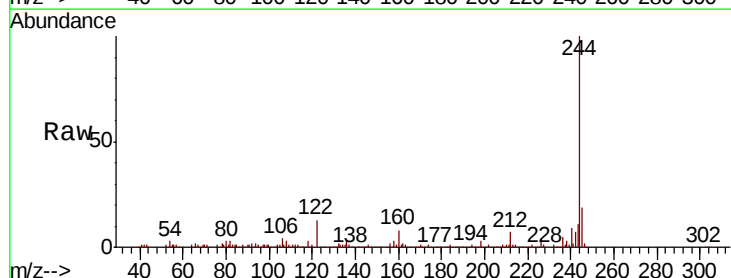
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 42.786 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	238790		
212	6.9		5.8	8.6
122	12.7		11.8	17.8

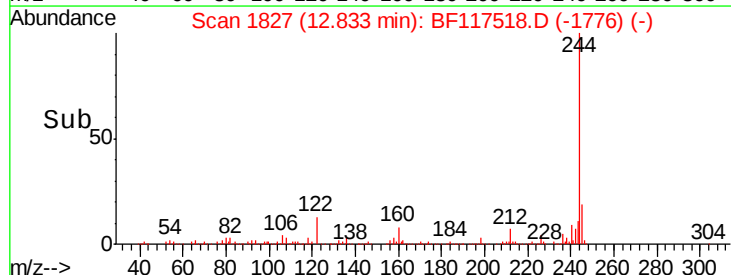
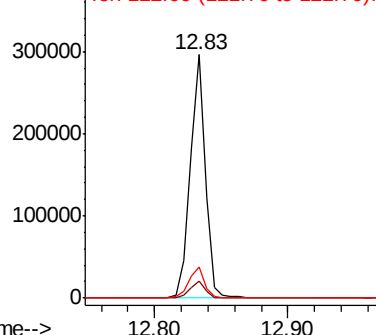


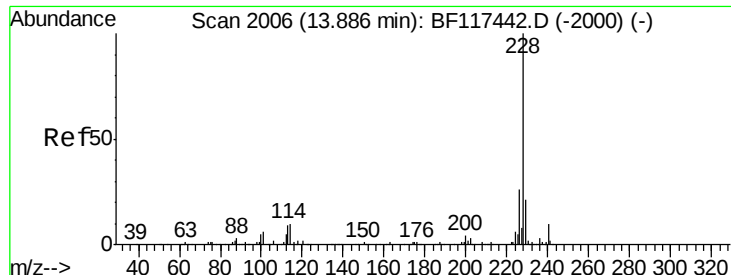
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





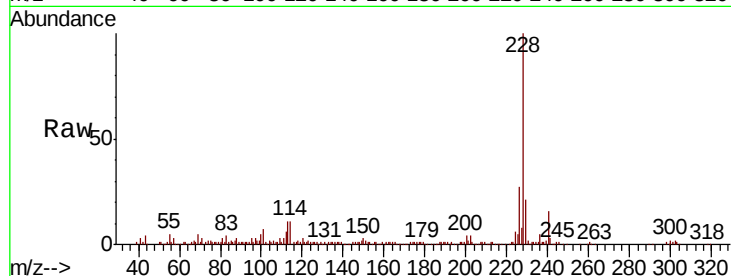
#81
Benzo(a)anthracene
Concen: 21.120 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Instrument :
BNA_F
ClientSampleId :
704-04-(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.0	31.4
229	21.3	16.4	24.6

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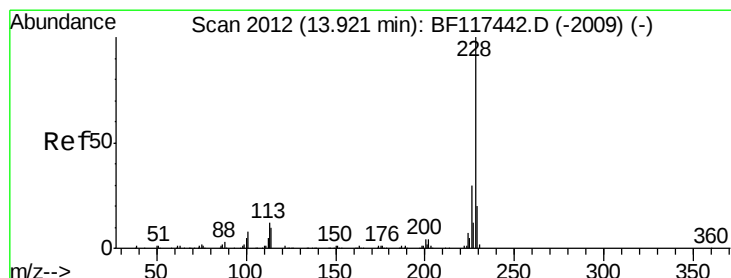
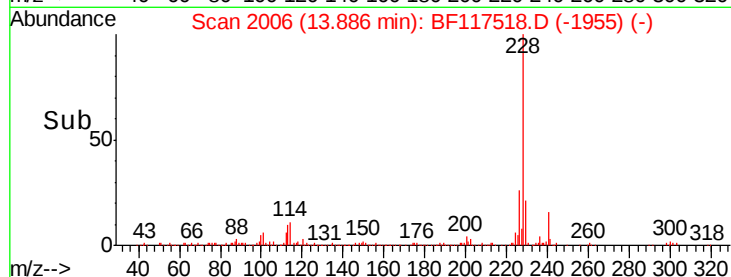
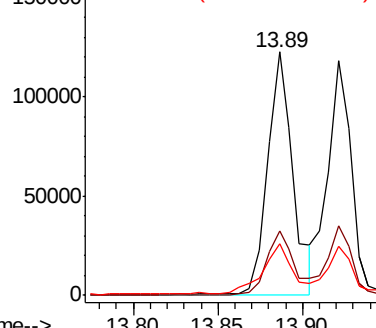


Abundance

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



#83
Chrysene
Concen: 19.251 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

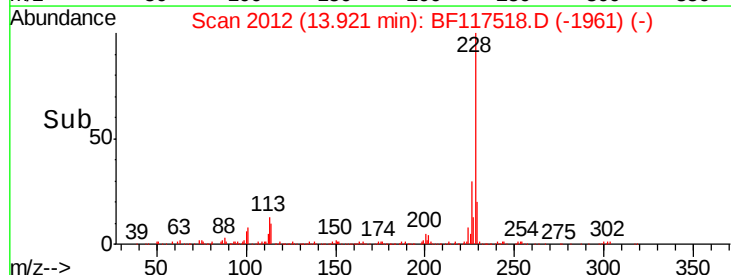
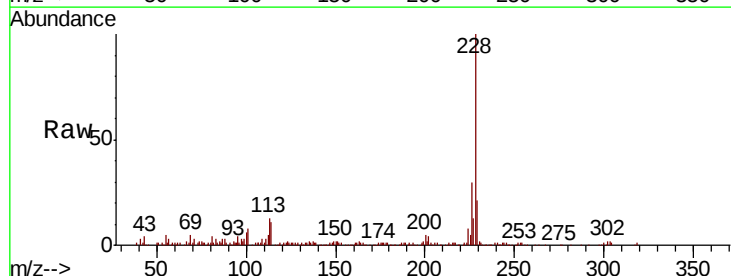
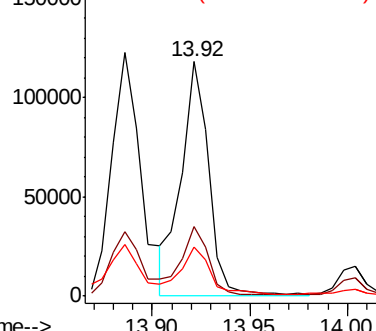
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	20.9	15.8	23.6

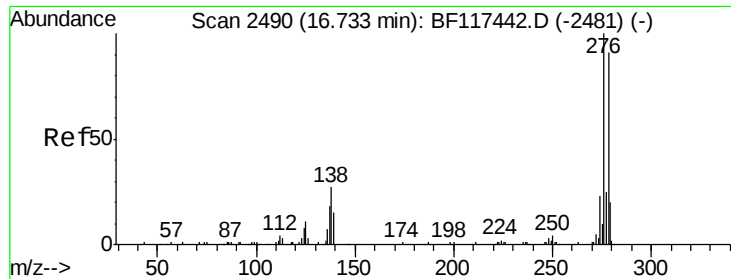
Abundance

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





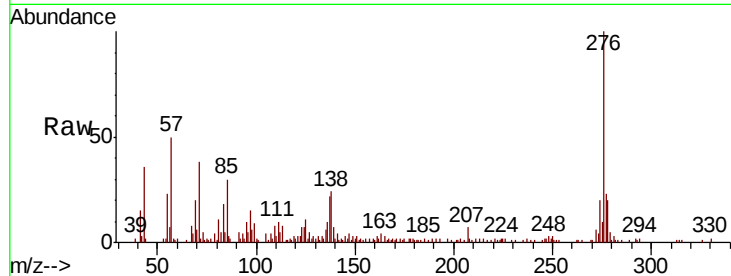
#86
Indeno(1,2,3-cd)pyrene
Concen: 12.297 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Instrument :
BNA_F
ClientSampleId :
704-04-(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	21.8	32.8
277	27.6	20.0	30.0

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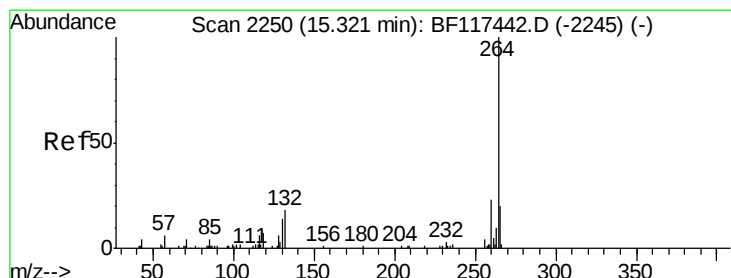
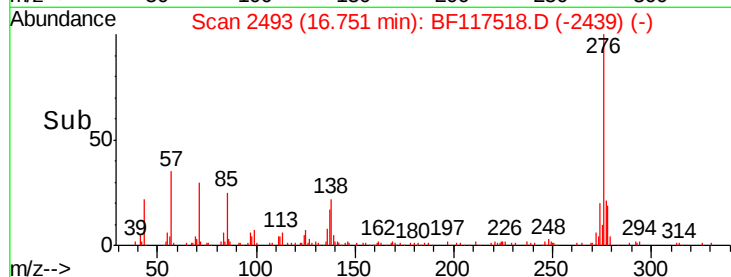
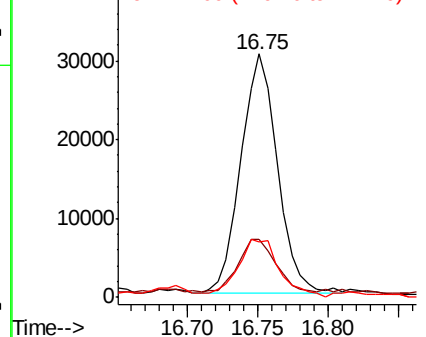


Abundance

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: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

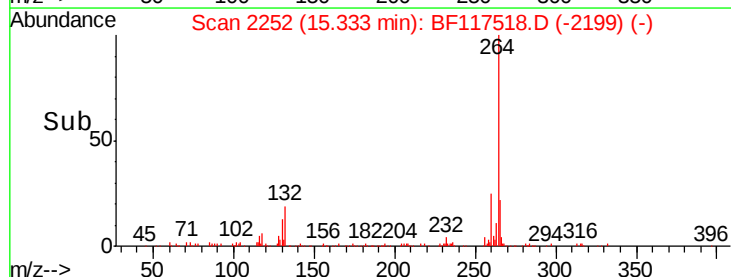
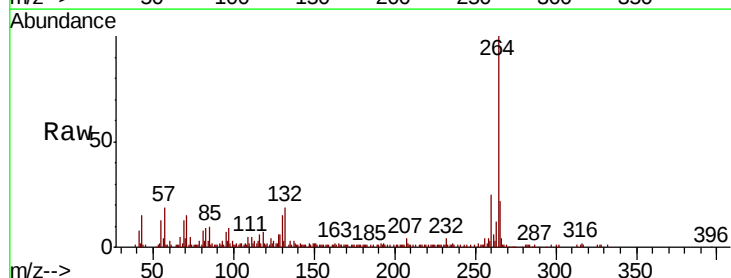
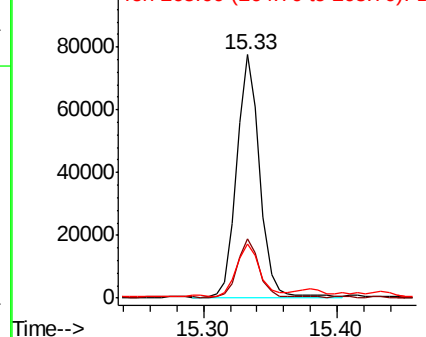
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.4	27.6
265	22.0	16.1	24.1

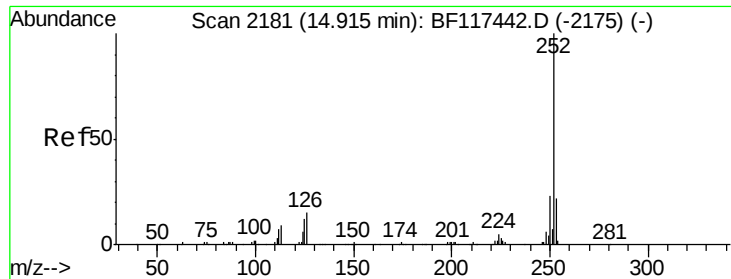
Abundance

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





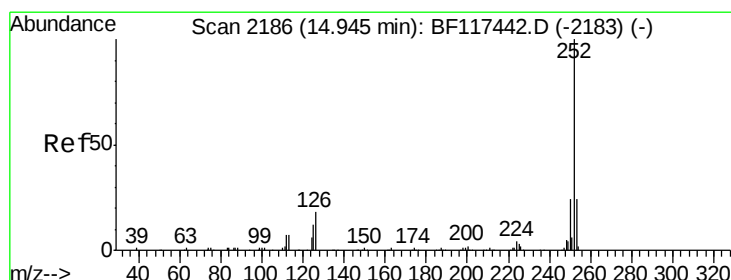
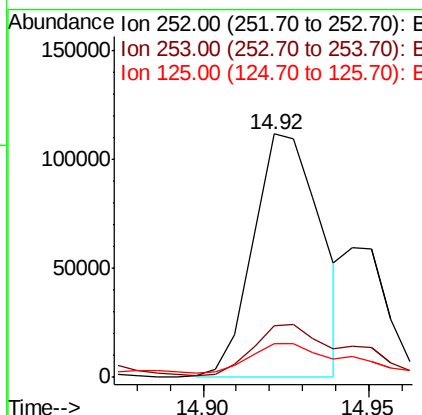
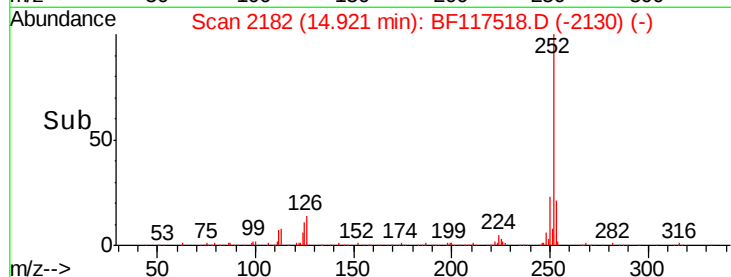
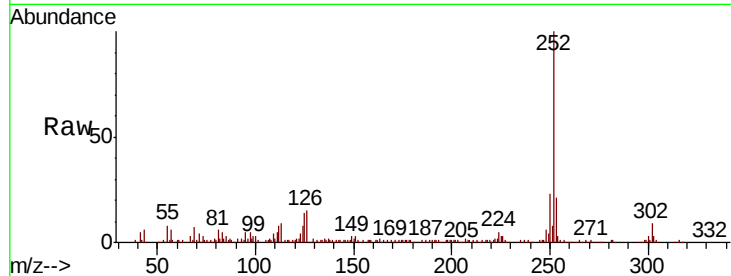
#88
Benzo(b)fluoranthene
Concen: 28.088 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Instrument :
BNA_F
ClientSampled :
704-04-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.8	26.6
125	13.8	9.9	14.9

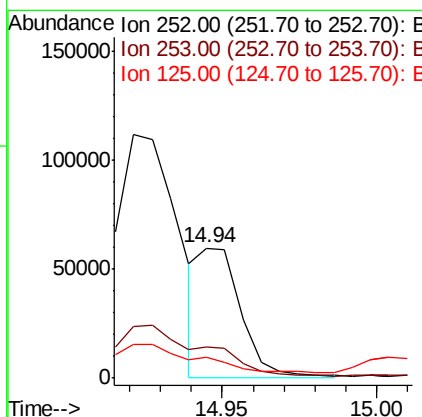
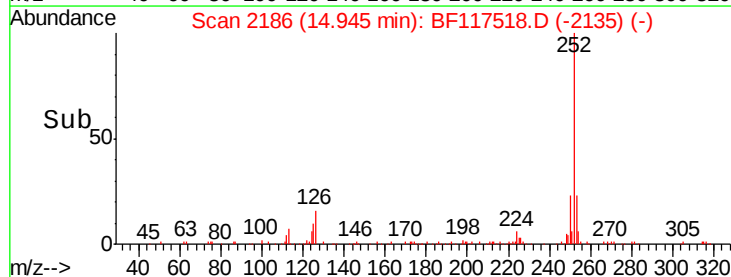
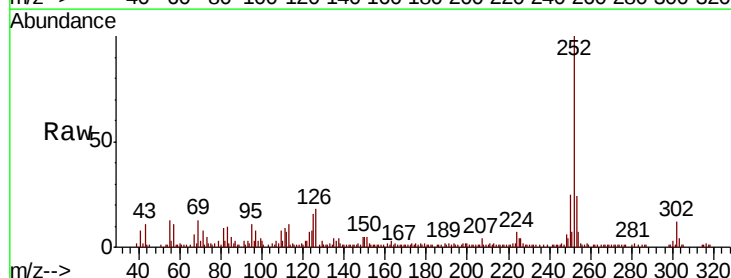
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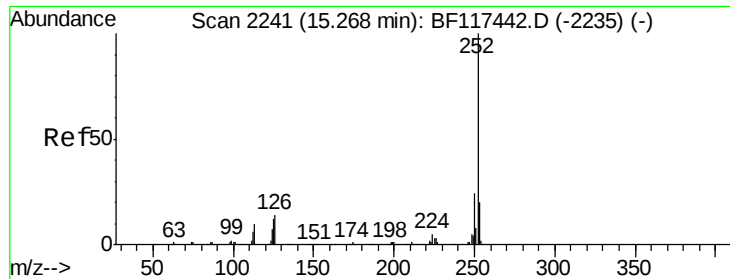
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#89
Benzo(k)fluoranthene
Concen: 9.804 ng m
RT: 14.94 min Scan# 2186
Delta R.T. 0.00 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	16.0	8.9	13.3#





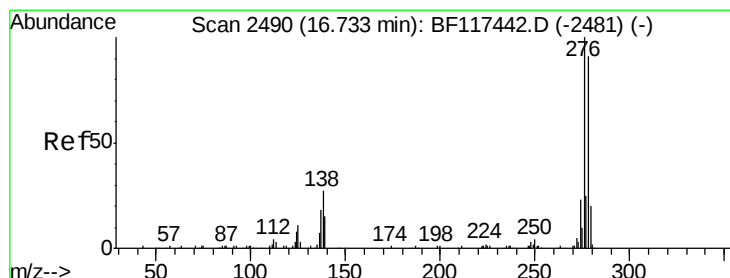
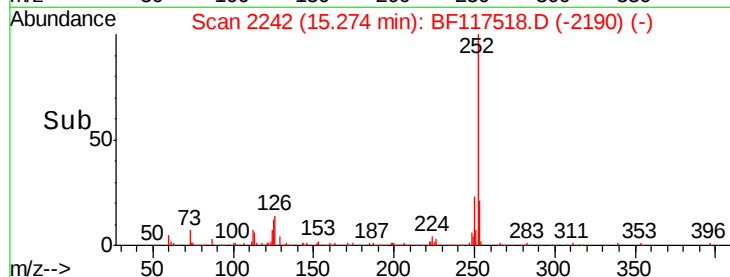
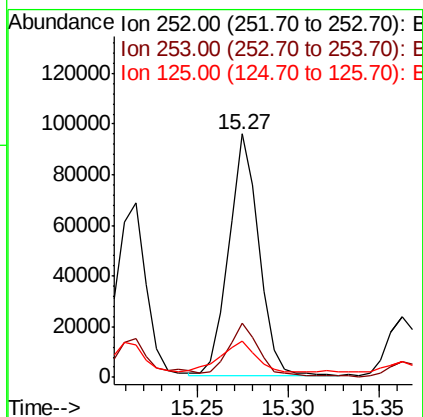
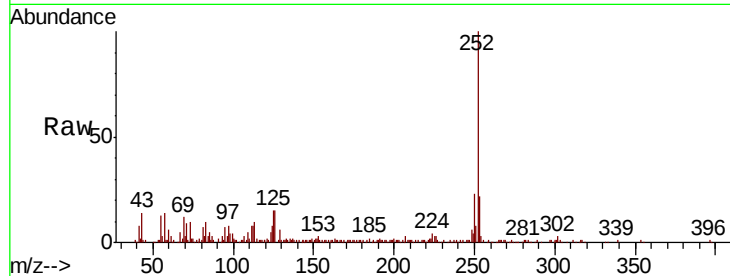
#90
Benzo(a)pyrene
Concen: 21.810 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Instrument :
BNA_F
ClientSampleId :
704-04-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	16.3	24.5
125	15.0	9.2	13.8

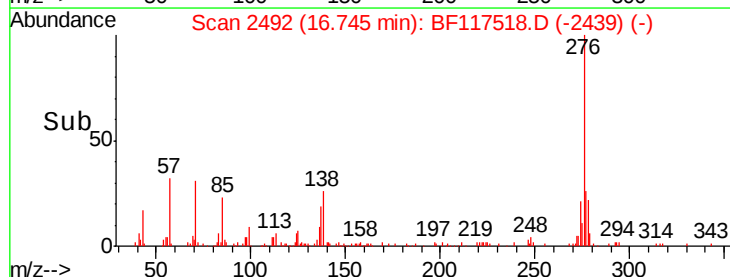
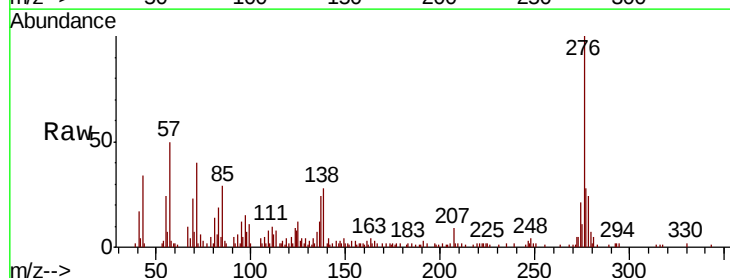
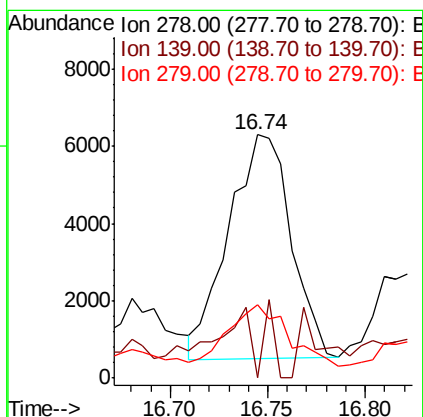
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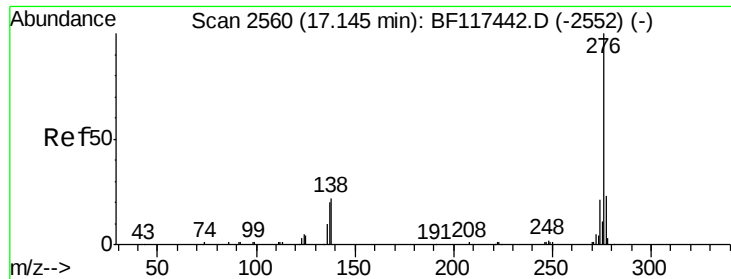
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#91
Dibenzo(a,h)anthracene
Concen: 2.906 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.4	20.0
279	30.2	17.8	26.6





#92
 Benzo(a,h,i)perylene
 Concen: 12.996 ng
 RT: 17.18 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: BF117518.D
 Acq: 24 Oct 2019 18:53

Instrument :
 BNA_F
 ClientSampleId :
 704-04-(0-1)

Tot Ion:	276	Resp:	54211
Ion Ratio	Lower	Upper	
276	100		
277	20.7	18.4	27.6
138	23.7	17.8	26.6

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