

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117647.D
 Acq On : 31 Oct 2019 5:47
 Operator : JU
 Sample : K5576-14DL 25X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSA-2-1-3DL

Manual Integrations
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Quant Time: Oct 31 08:22:41 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	32725	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	154776	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	73572	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	102854	20.00	ng	0.00
76) Chrysene-d12	13.90	240	74156	20.00	ng	0.00
87) Perylene-d12	15.33	264	65801	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1904	0.87	ng	0.08
7) Phenol-d6	6.46	99	6757	2.29	ng	0.08
23) Nitrobenzene-d5	7.36	82	3413	1.09	ng	0.06
42) 2,4,6-Tribromophenol	10.57	330	1242	1.95	ng	0.01
45) 2-Fluorobiphenyl	9.09	172	12398	2.37	ng	0.00
79) Terphenyl-d14	12.83	244	10557	2.32	ng	0.00
Target Compounds						
49) Acenaphthylene	9.63	152	21119	3.131	ng	Qvalue 100
71) Phenanthrene	11.27	178	35422	5.931	ng	99
72) Anthracene	11.33	178	26825	4.377	ng	97
75) Fluoranthene	12.47	202	143995	24.084	ng	98
78) Pyrene	12.70	202	125739	19.740	ng	98
80) Butylbenzylphthalate	13.30	149	9652	3.045	ng	99
81) Benzo(a)anthracene	13.89	228	86588	17.310	ng	97
83) Chrysene	13.92	228	77730	15.856	ng	98
86) Indeno(1,2,3-cd)pyrene	16.76	276	20270	5.538	ng	95
88) Benzo(b)fluoranthene	14.93	252	84263m	21.686	ng	
89) Benzo(k)fluoranthene	14.95	252	33766m	8.479	ng	
90) Benzo(a)pyrene	15.28	252	43553	12.328	ng	95
91) Dibenzo(a,h)anthracene	16.75	278	6366	2.084	ng	# 87
92) Benzo(a,h,i)perylene	17.19	276	16620	5.750	ng	# 90

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

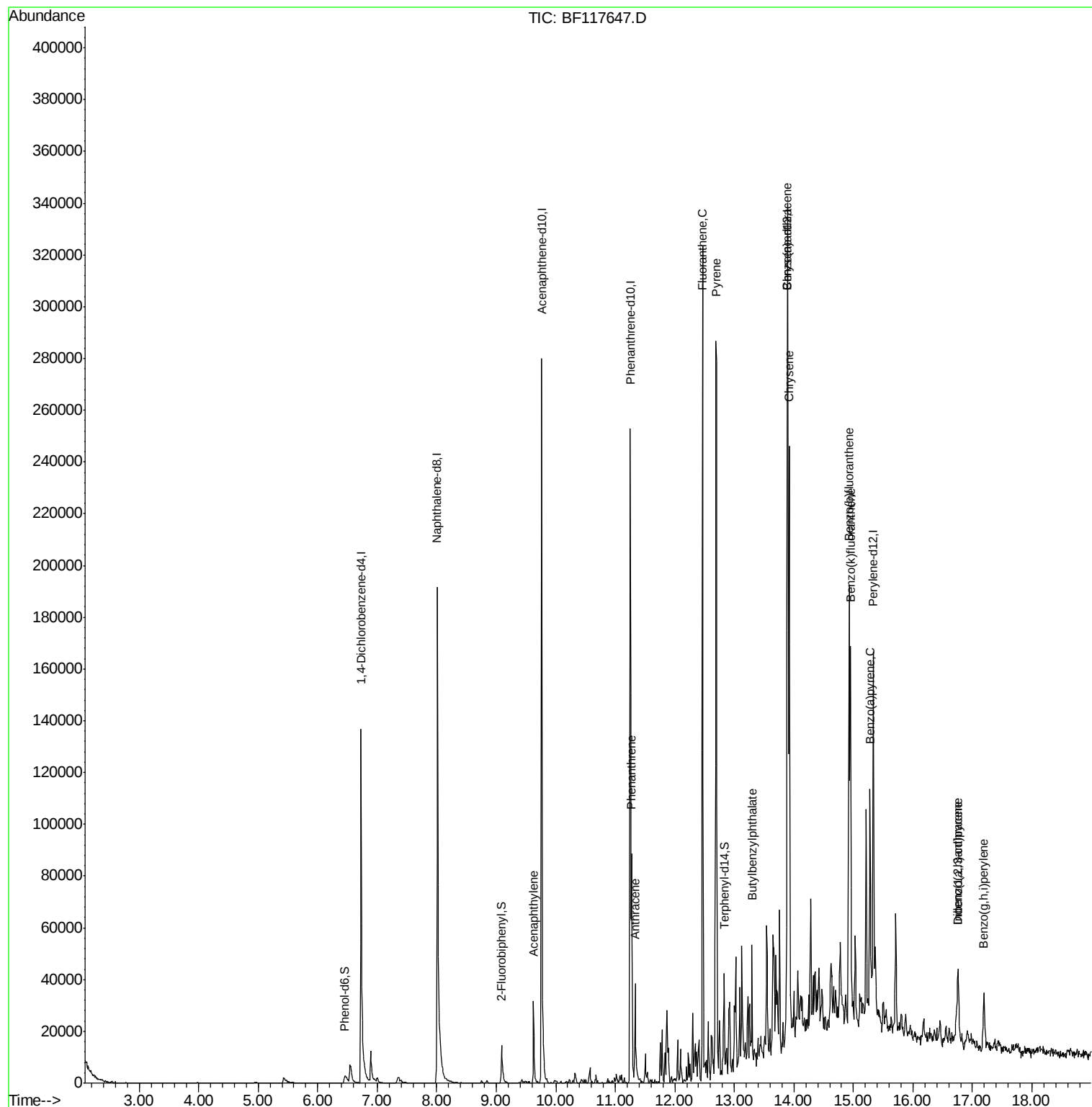
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117647.D
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Operator : JU
Sample : K5576-14DL 25X
Misc :
ALS Vial : 32 Sample Multiplier: 1

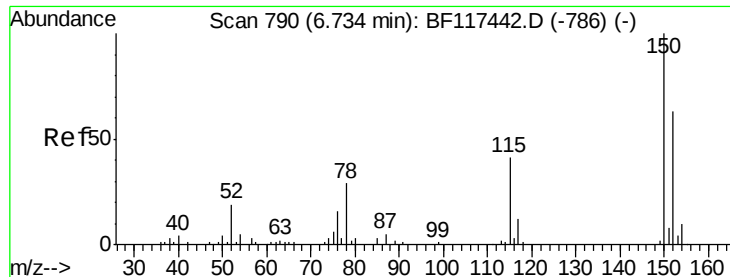
Instrument :
BNA_F
ClientSampleId :
CSA-2-1-3DL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
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#1

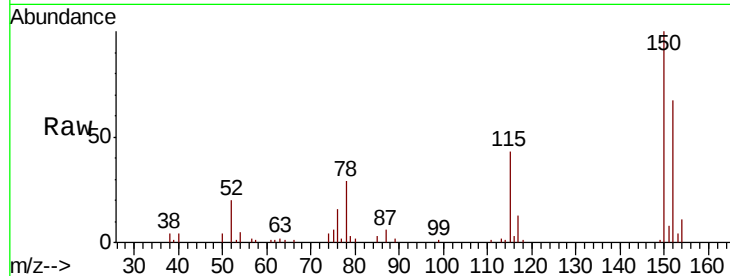
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-3DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.6	126.8	190.2
115	64.1	51.6	77.4

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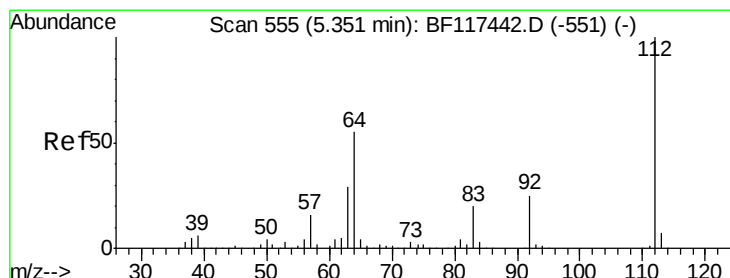
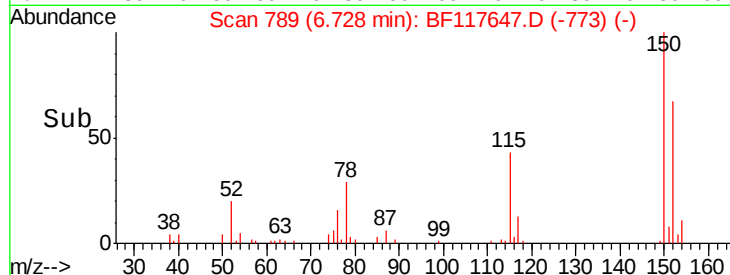
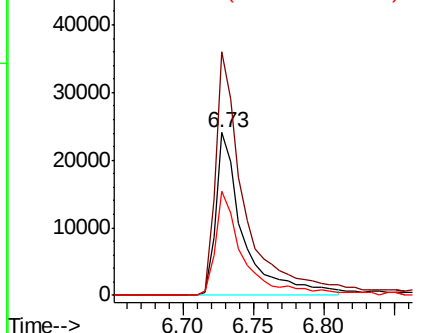


Abundance

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: 0.866 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.08 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

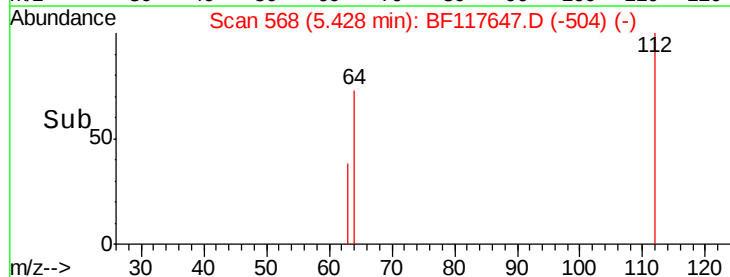
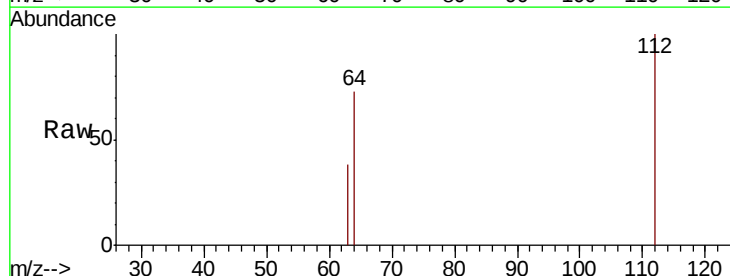
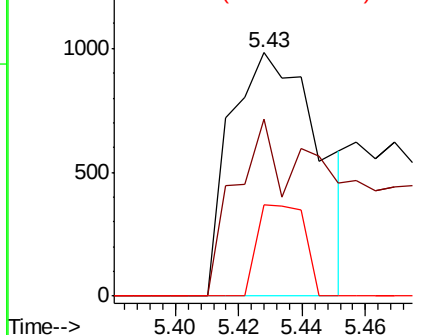
Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.7	44.1	66.1#
63	37.5	23.4	35.2#

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: 2.287 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.08 min

Lab File: BF117647.D

Acq: 31 Oct 2019 5:47

Instrument :

BNA_F

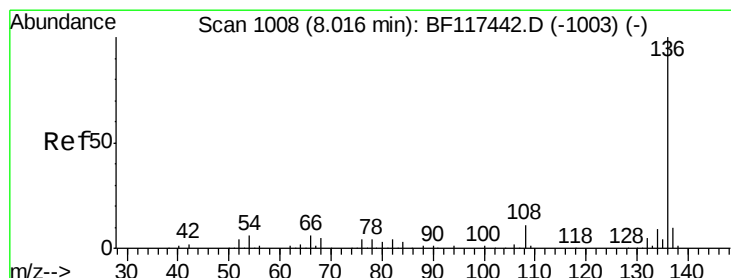
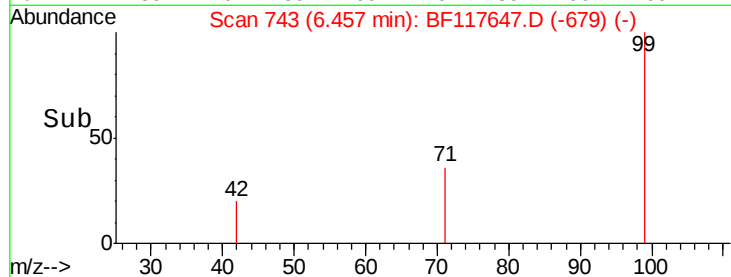
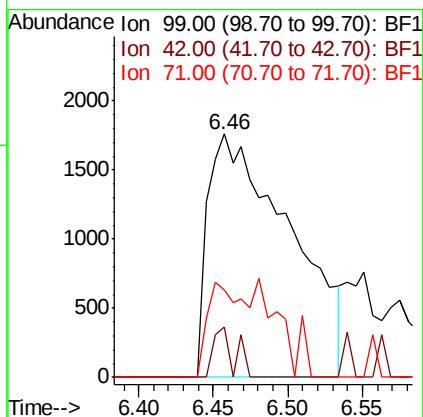
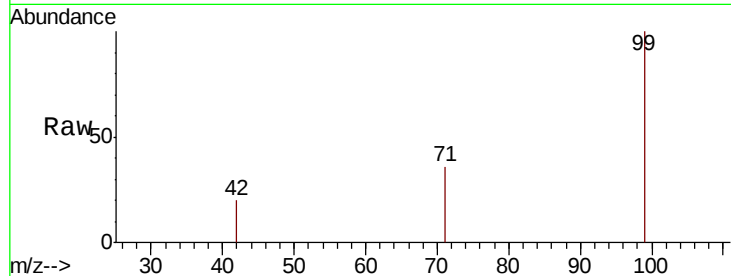
ClientSampleId :

CSA-2-1-3DL

Tot Ion:	99	Resp:	6757
Ion Ratio	Lower	Upper	
99	100		
42	20.5	12.8	19.2#
71	35.8	28.6	43.0

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#21

Naphthalene-d8

Concen: 20.000 ng

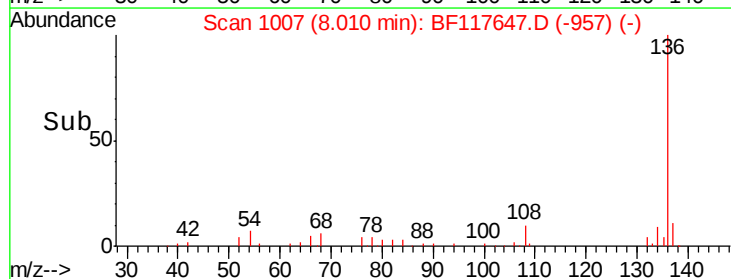
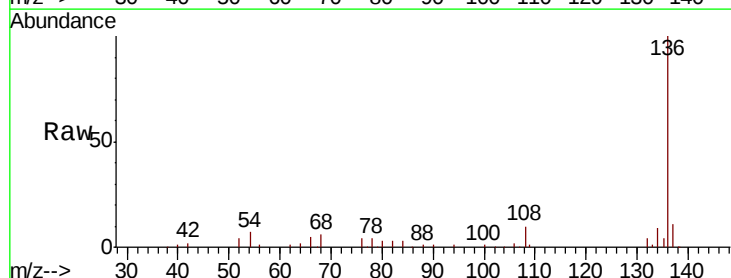
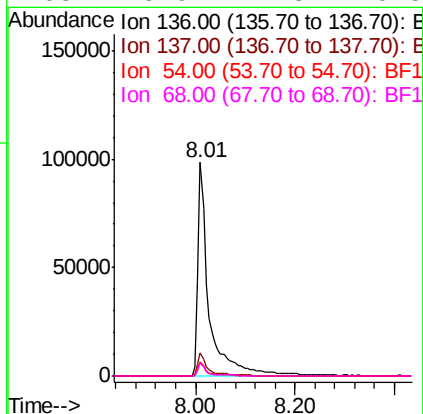
RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117647.D

Acq: 31 Oct 2019 5:47

Tgt Ion:	136	Resp:	154776
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.2	12.4
54	6.5	4.5	6.7
68	5.9	4.3	6.5





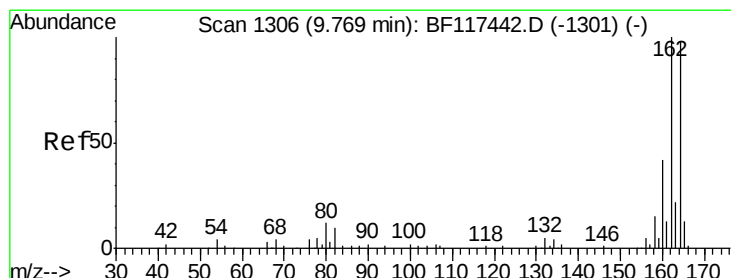
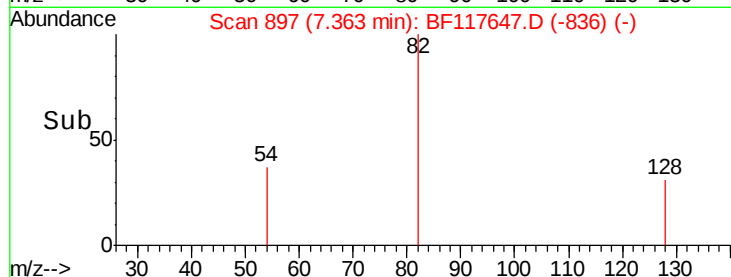
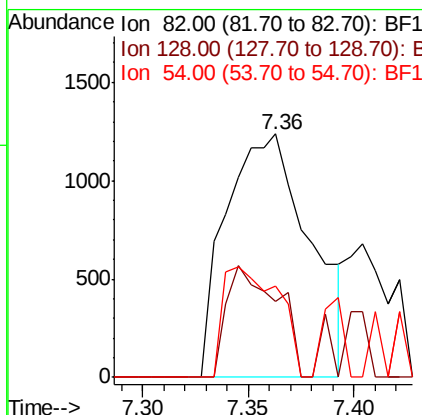
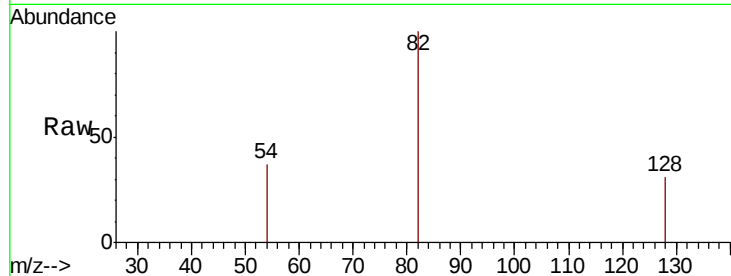
#23
Nitrobenzene-d5
Concen: 1.089 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.06 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-3DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	31.0	32.2	48.2#
54	37.5	34.2	51.2

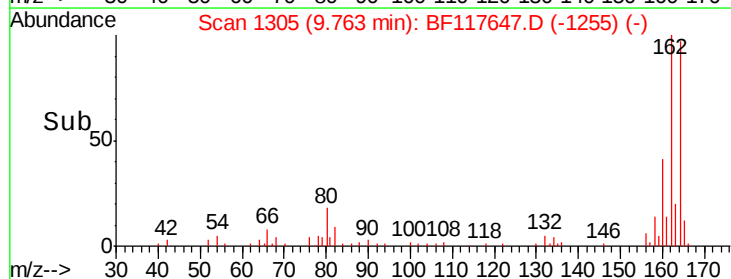
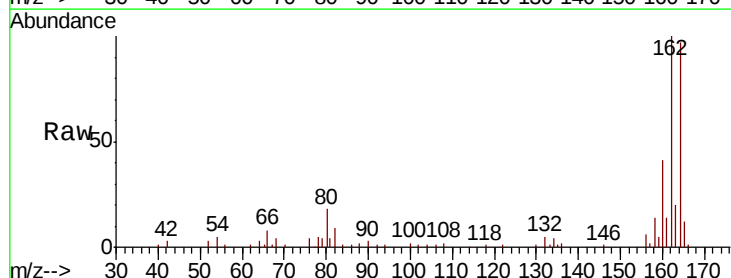
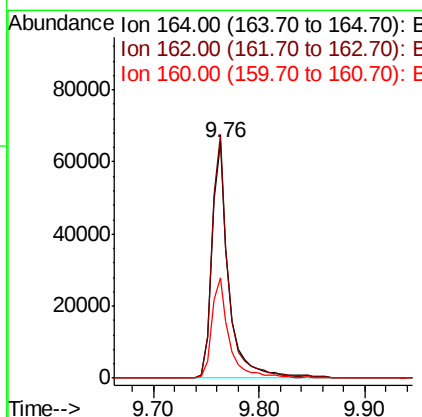
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.8	122.6
160	42.8	34.4	51.6





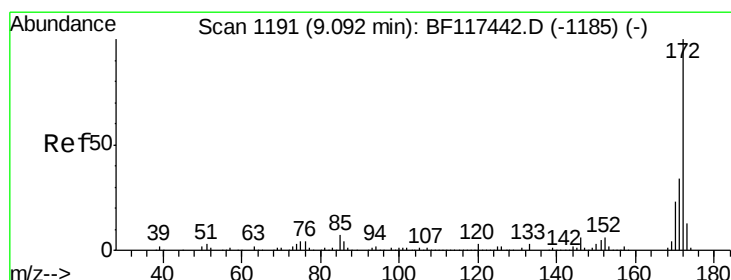
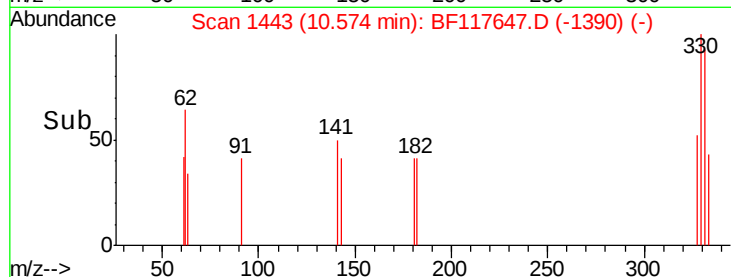
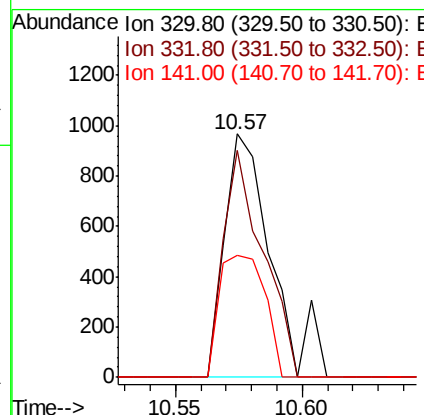
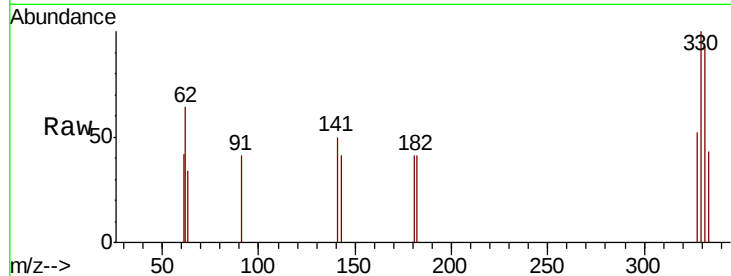
#42
 2,4,6-Tribromophenol
 Concen: 1.951 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: BF117647.D
 Acq: 31 Oct 2019 5:47

Instrument :
 BNA_F
 ClientSampleId :
 CSA-2-1-3DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	79.4	78.5	117.7
141	49.0	37.0	55.6

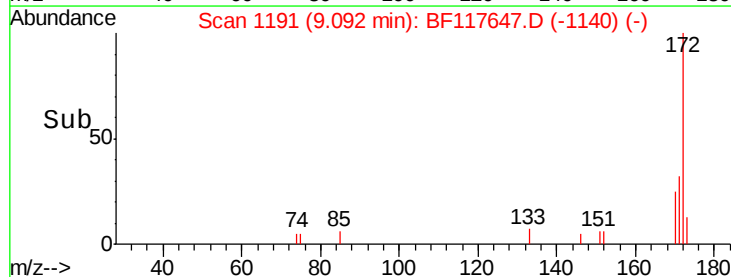
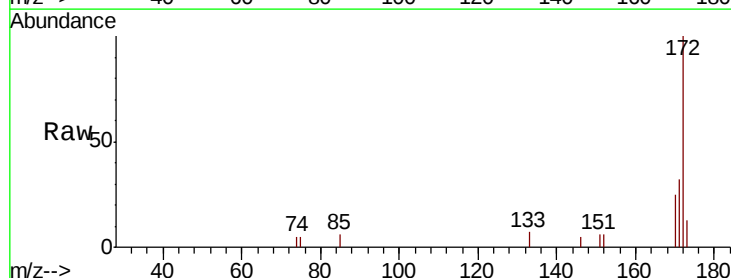
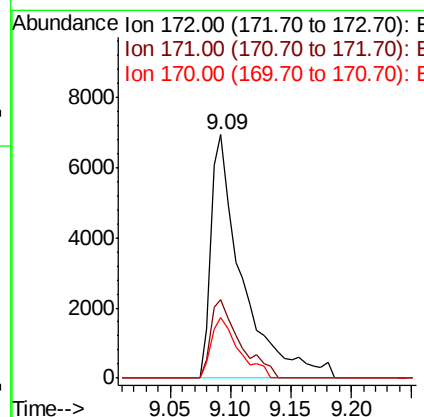
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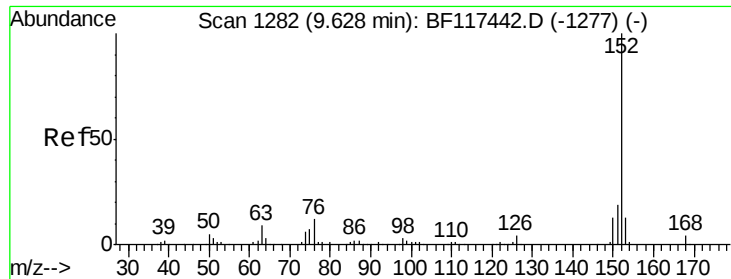
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#45
 2-Fluorobiphenyl
 Concen: 2.374 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: BF117647.D
 Acq: 31 Oct 2019 5:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.0	27.5	41.3
170	24.8	18.6	27.8





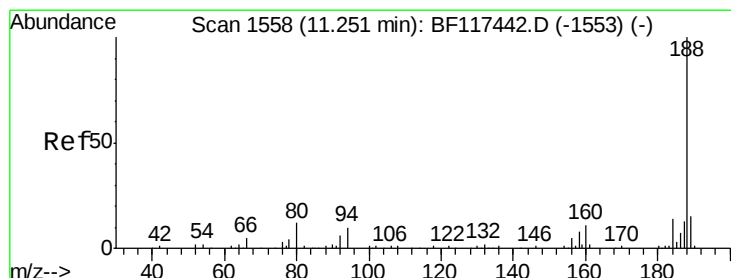
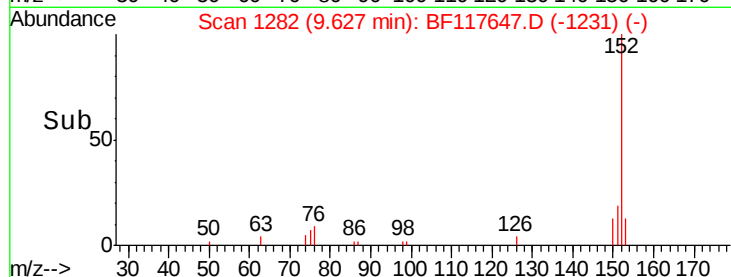
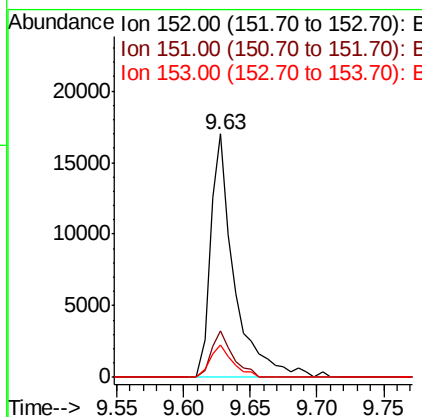
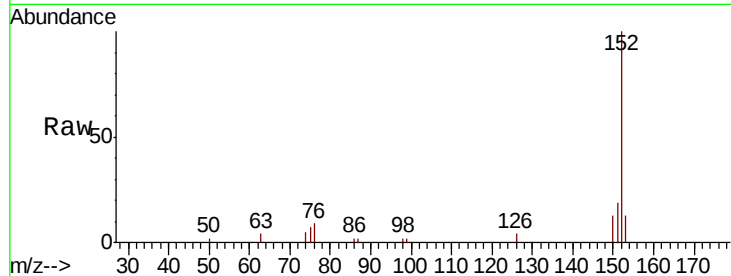
#49
Acenaphthylene
Concen: 3.131 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.00 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-3DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.0
153	13.3	10.3	15.5

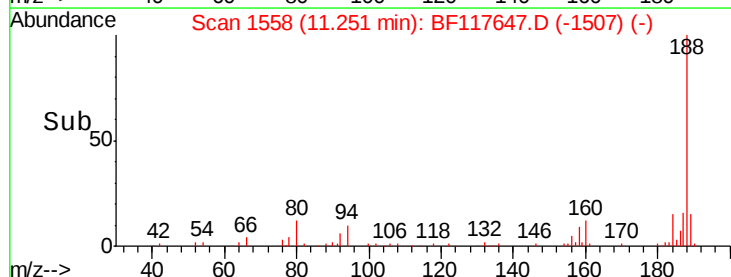
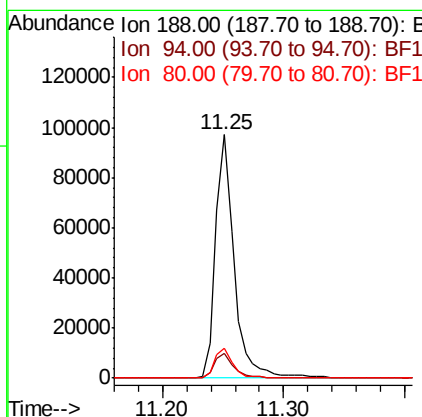
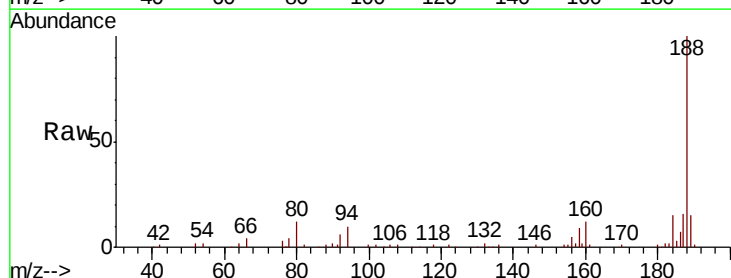
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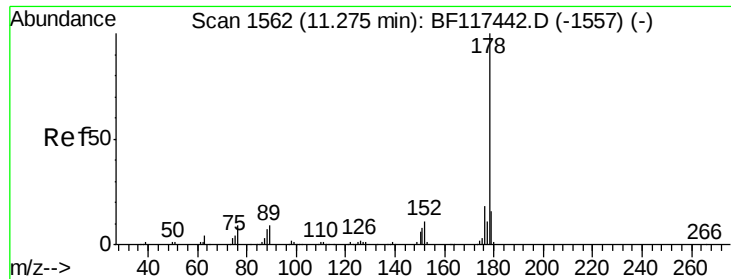
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.0	12.0
80	12.1	9.5	14.3





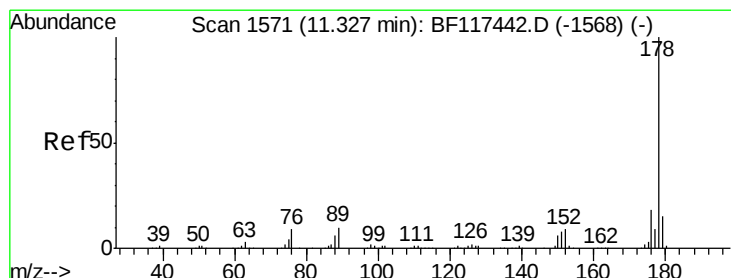
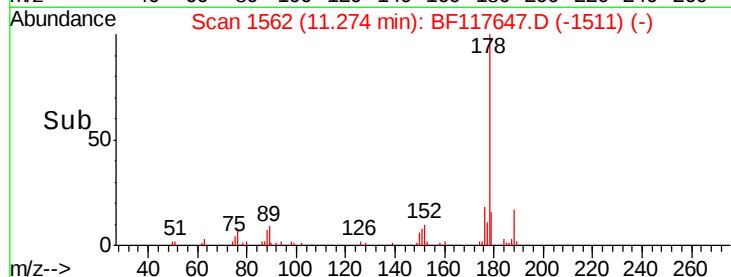
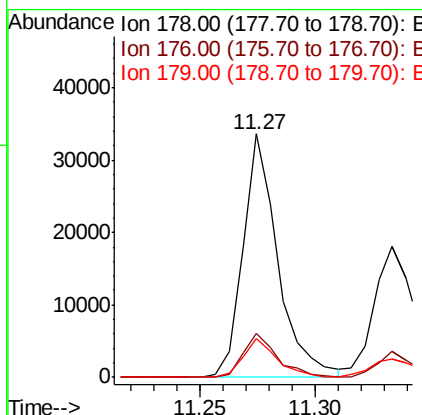
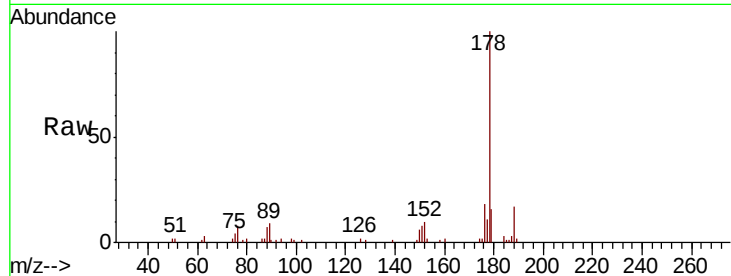
#71
Phenanthrene
Concen: 5.931 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-3DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	22.0
179	16.0	12.6	19.0

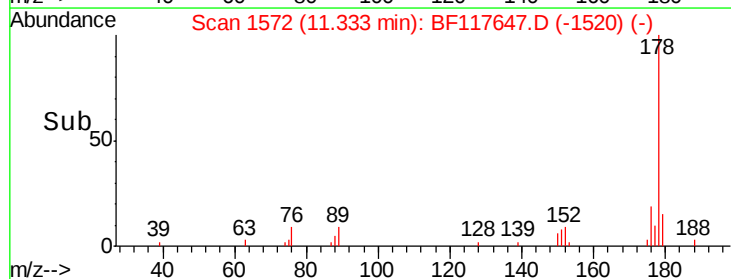
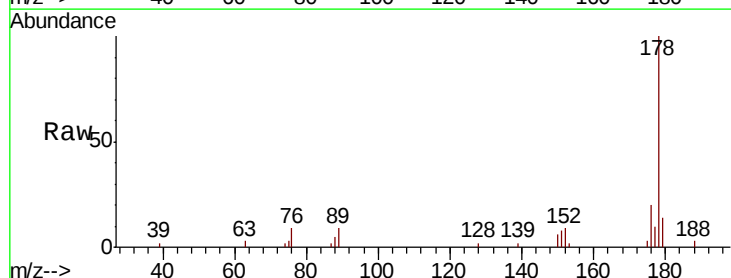
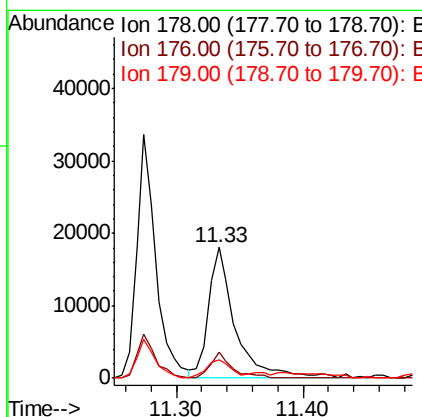
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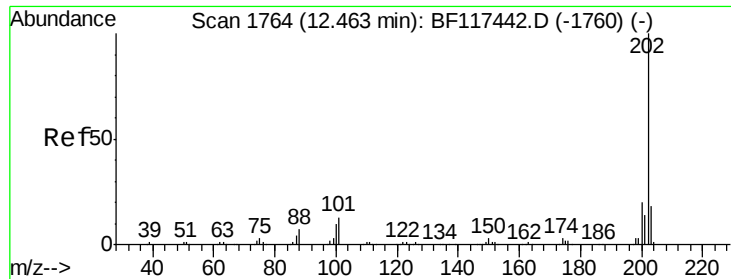
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#72
Anthracene
Concen: 4.377 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	14.7	22.1
179	14.4	12.2	18.2





#75

Fluoranthene

Concen: 24.084 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117647.D

Acq: 31 Oct 2019 5:47

Instrument :

BNA_F

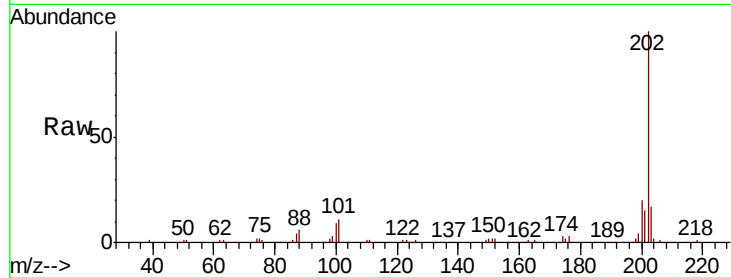
ClientSampleId :

CSA-2-1-3DL

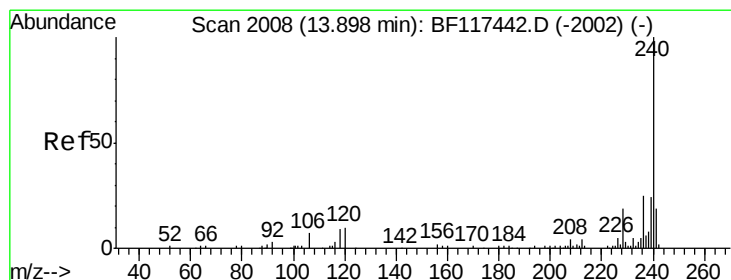
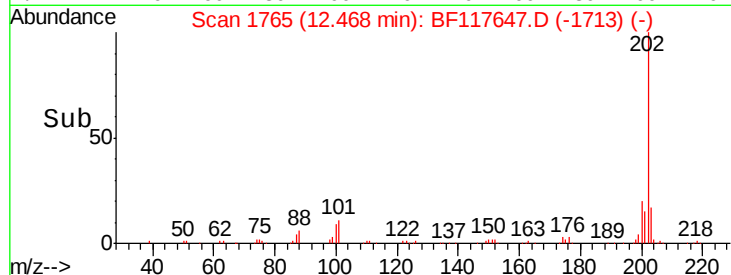
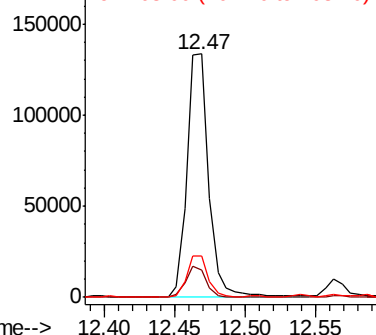
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.9	0.0	32.7
203	17.2	0.0	37.6

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

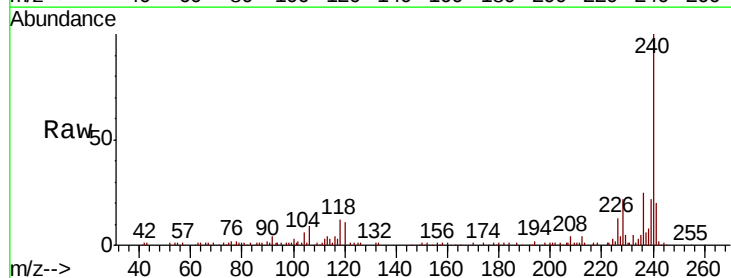
RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

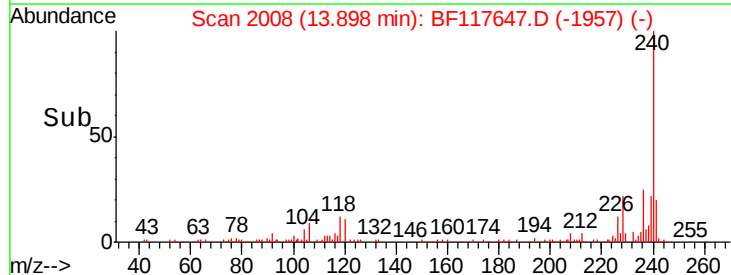
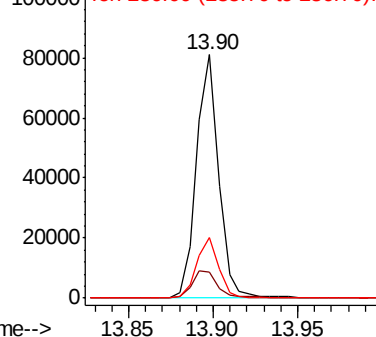
Lab File: BF117647.D

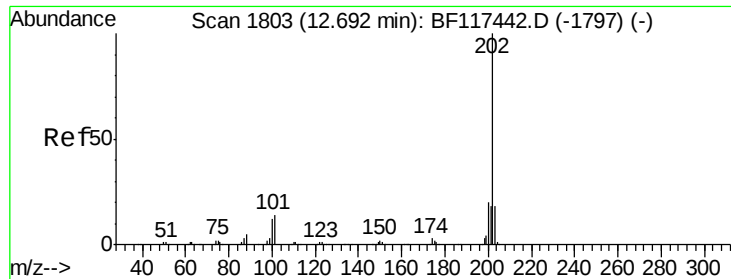
Acq: 31 Oct 2019 5:47

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.6	8.4	12.6
236	25.1	20.0	30.0



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





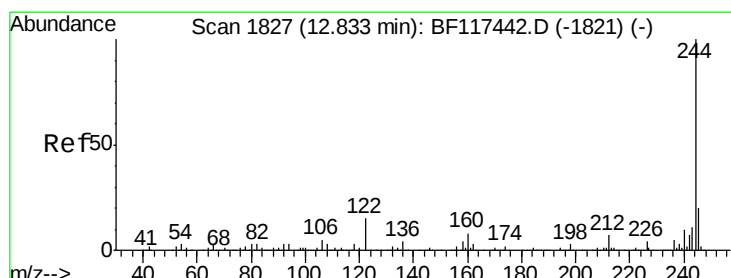
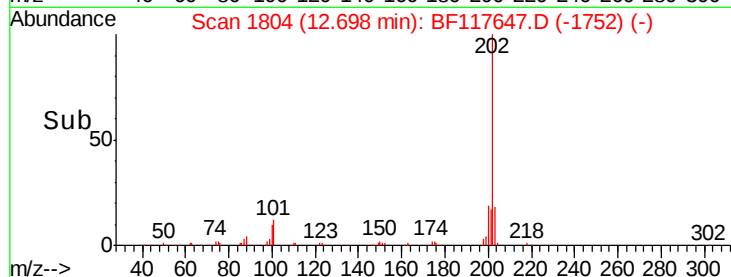
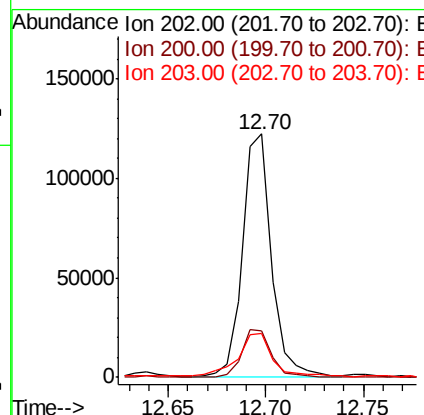
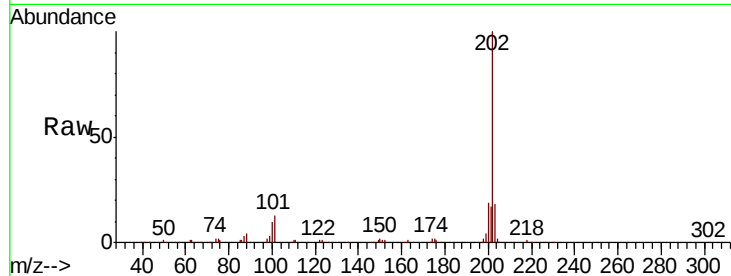
#78
Pvrene
Concen: 19.740 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-3DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.2	16.2	24.2
203	18.3	14.0	21.0

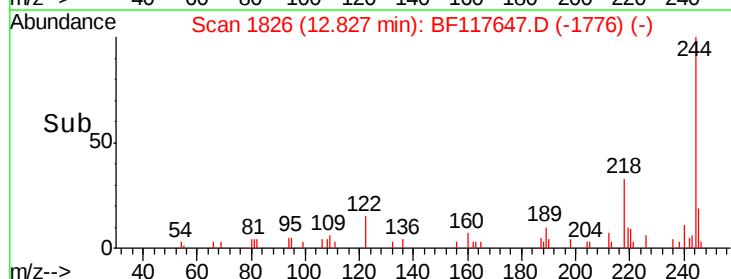
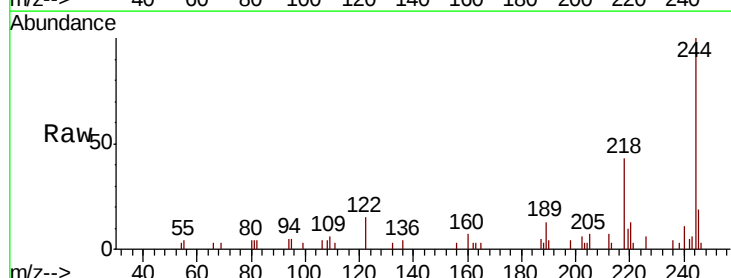
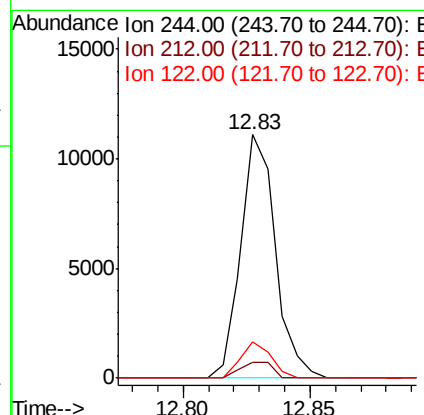
Manual Integrations
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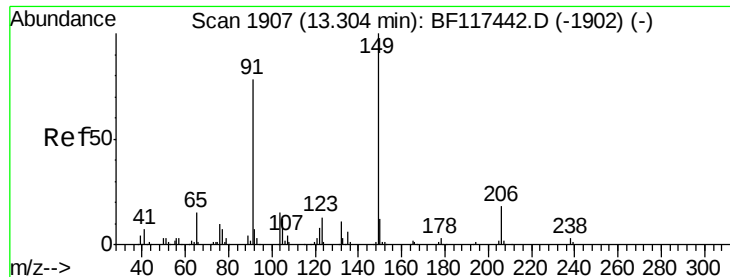
mohammad
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#79
Terphenyl-d14
Concen: 2.322 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	15.1	11.8	17.8





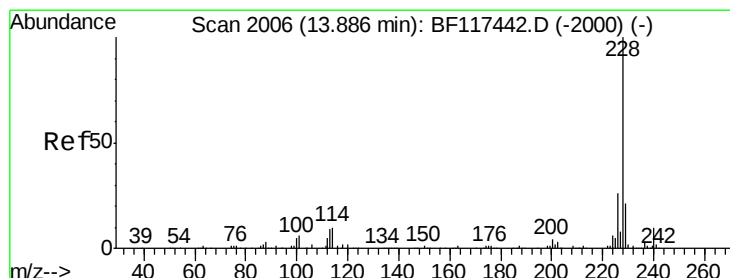
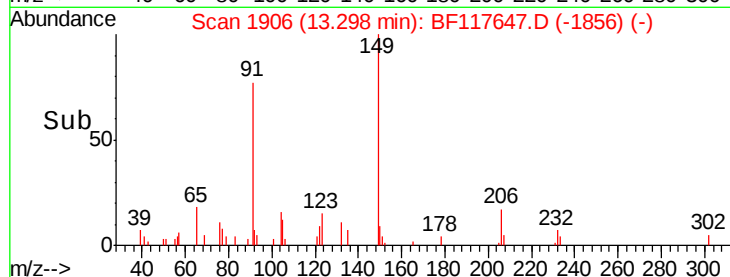
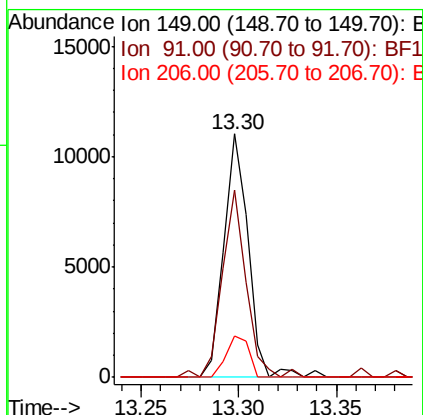
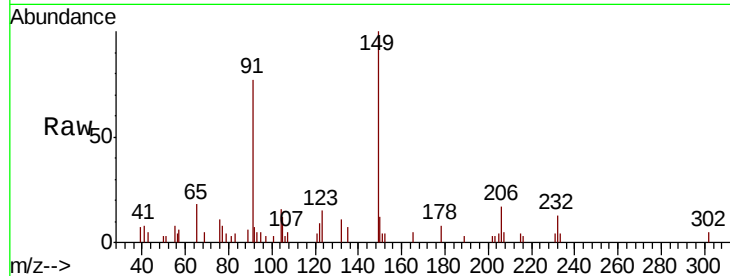
#80
Butylbenzylphthalate
Concen: 3.045 ng
RT: 13.30 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-3DL

Tot Ion	Ratio	Lower	Upper
149	100		
91	76.9	62.1	93.1
206	17.2	14.3	21.5

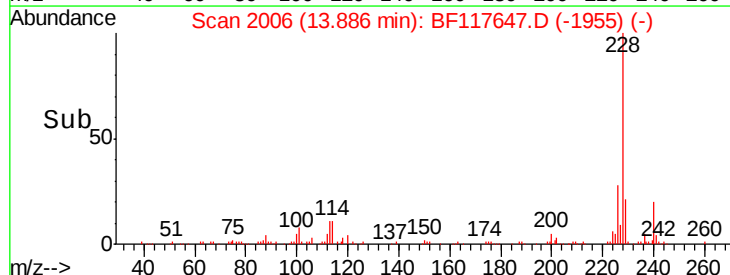
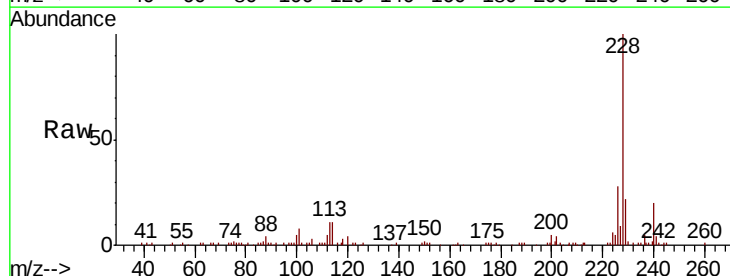
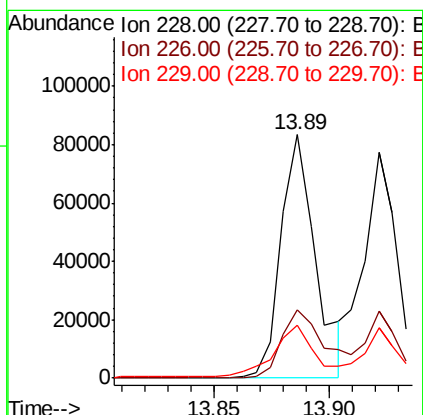
Manual Integrations
APPROVED

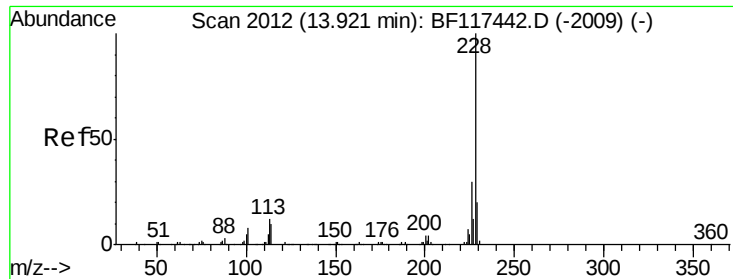
mohammad
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#81
Benzo(a)anthracene
Concen: 17.310 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.0	31.4
229	21.6	16.4	24.6





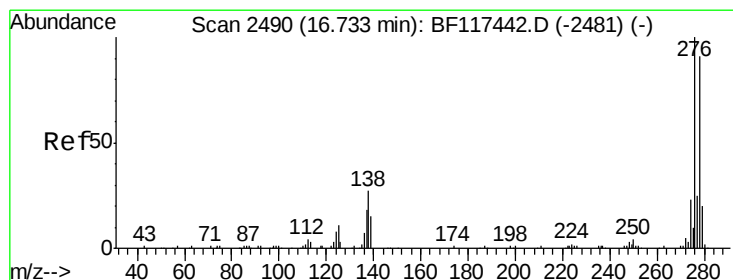
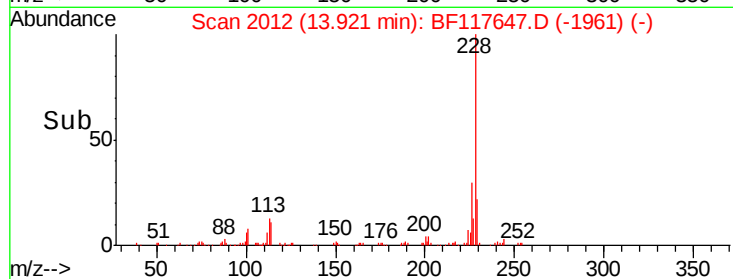
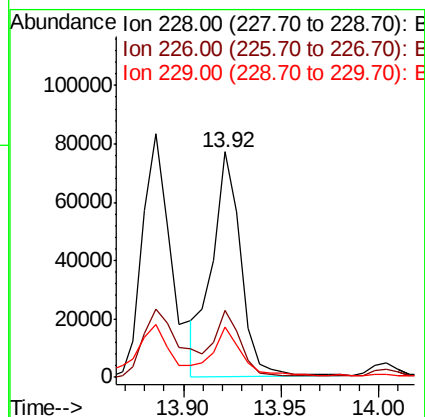
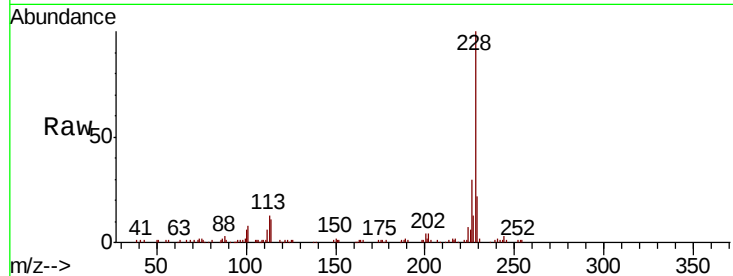
#83
Chrysene
Concen: 15.856 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-3DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.9	35.9
229	22.1	15.8	23.6

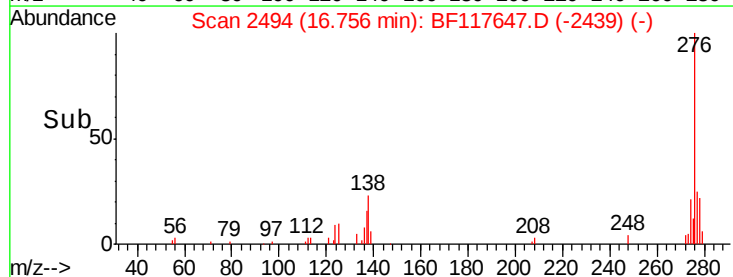
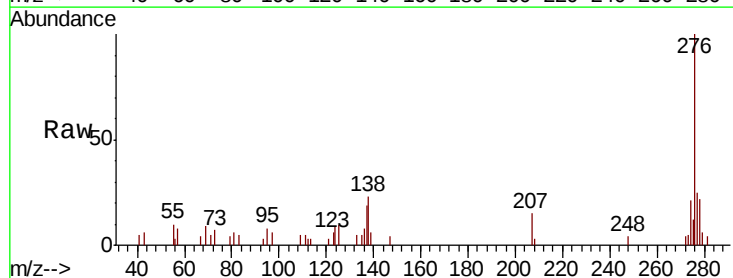
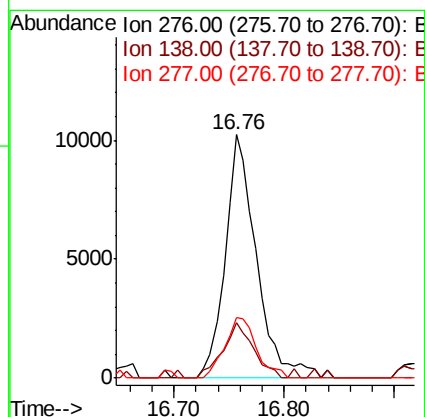
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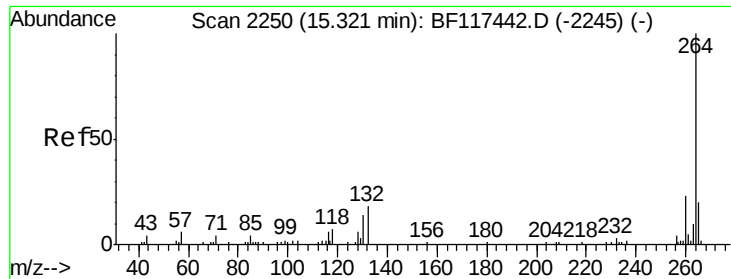
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.538 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.02 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.2	21.8	32.8
277	25.1	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF117647.D

Acq: 31 Oct 2019 5:47

Instrument :

BNA_F

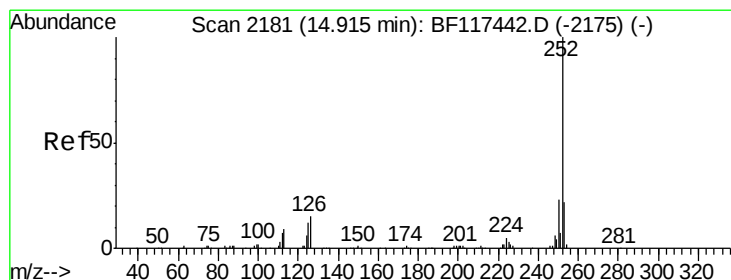
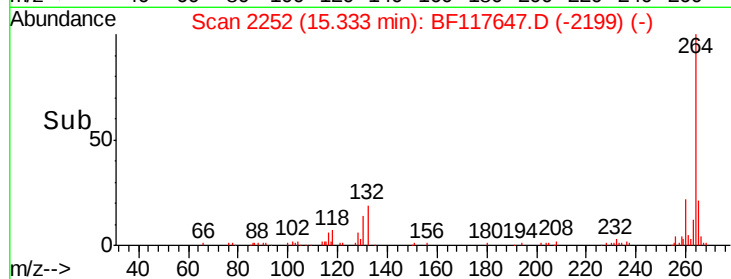
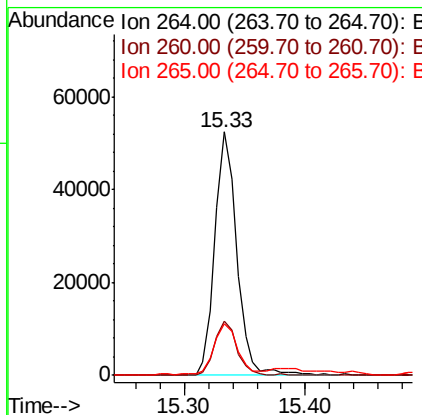
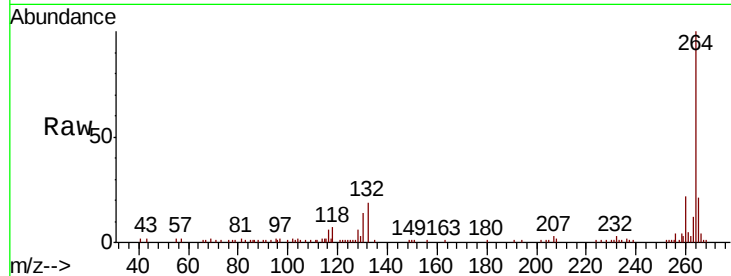
ClientSampleId :

CSA-2-1-3DL

Tot Ion:	264	Resp:	65801
Ion Ratio	Lower	Upper	
264	100		
260	22.1	18.4	27.6
265	21.4	16.1	24.1

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 21.686 ng m

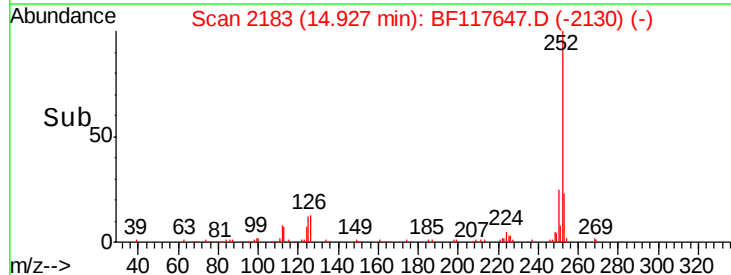
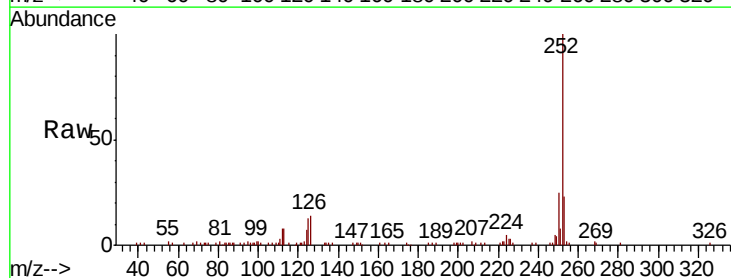
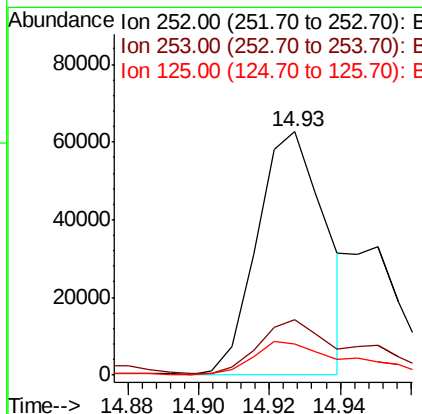
RT: 14.93 min Scan# 2183

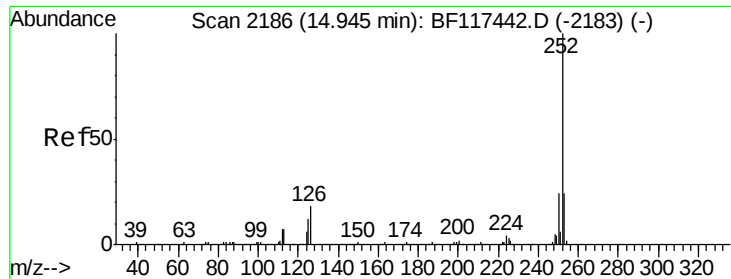
Delta R.T. 0.01 min

Lab File: BF117647.D

Acq: 31 Oct 2019 5:47

Tgt Ion:	252	Resp:	84263
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.8	26.6
125	12.8	9.9	14.9





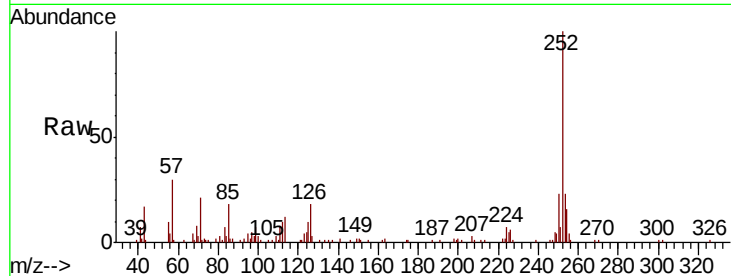
#89
Benzo(k)fluoranthene
Concen: 8.479 ng m
RT: 14.95 min Scan# 2187
Delta R.T. 0.01 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	10.4	8.9	13.3

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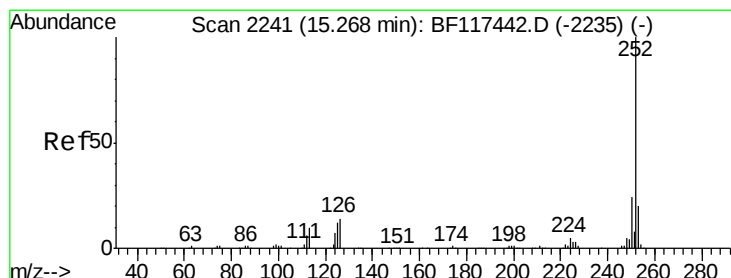
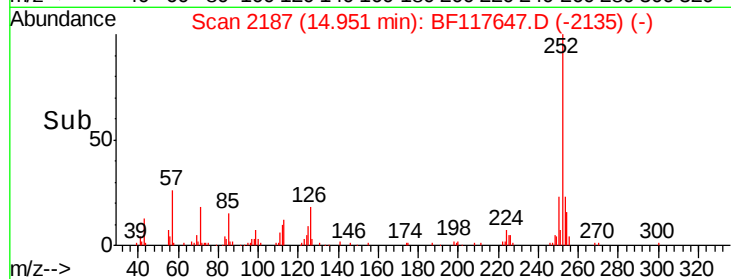
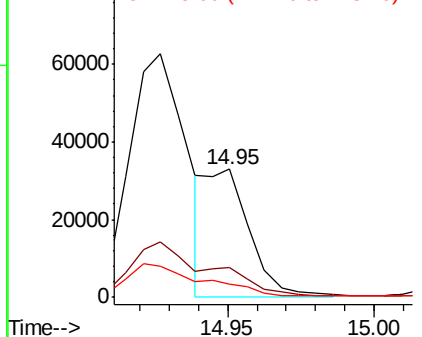


Abundance

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



#90
Benzo(a)pyrene
Concen: 12.328 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

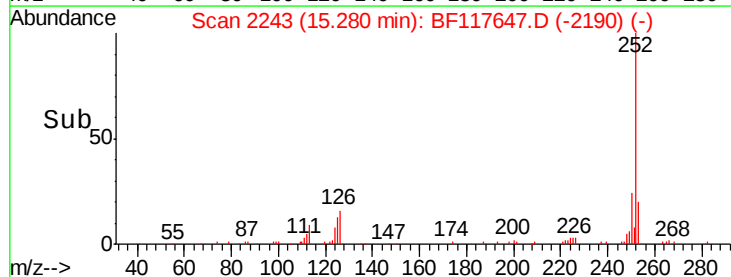
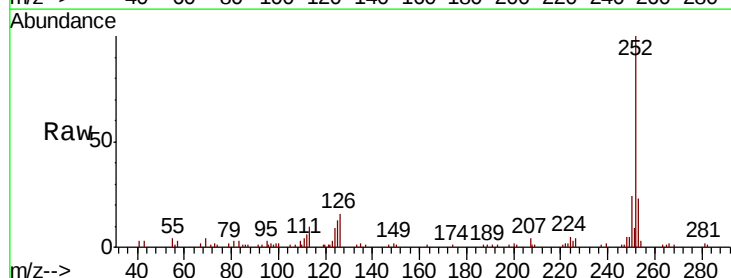
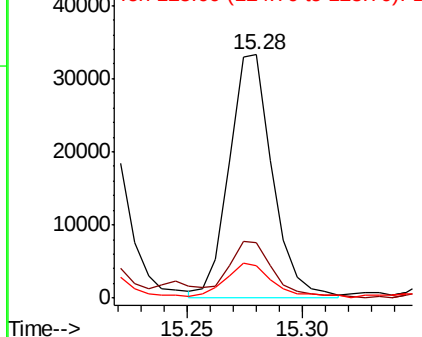
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	16.3	24.5
125	13.4	9.2	13.8

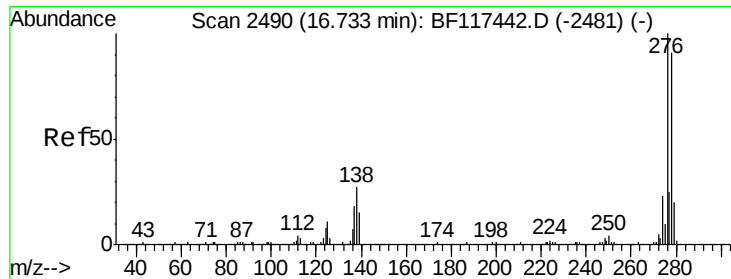
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 2.084 ng

RT: 16.75 min Scan# 2493

Delta R.T. 0.02 min

Lab File: BF117647.D

Acq: 31 Oct 2019 5:47

Instrument :

BNA_F

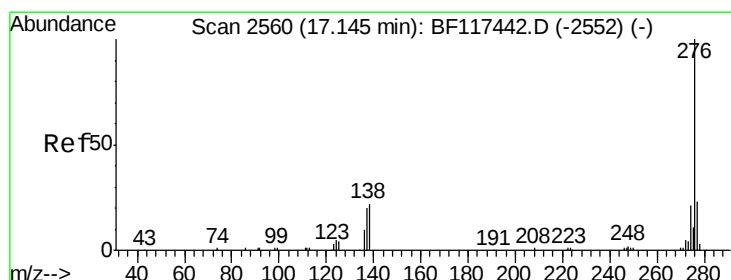
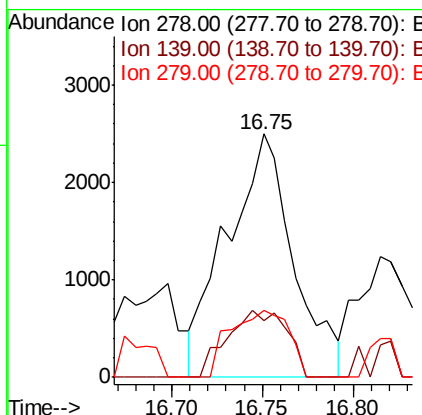
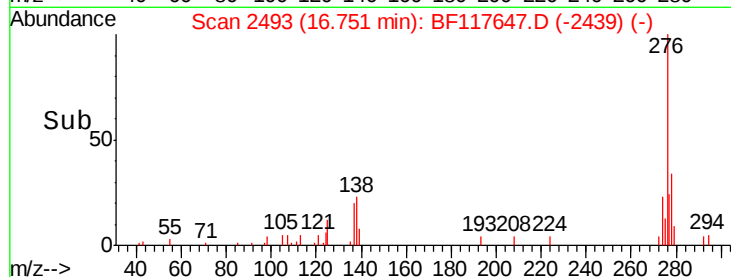
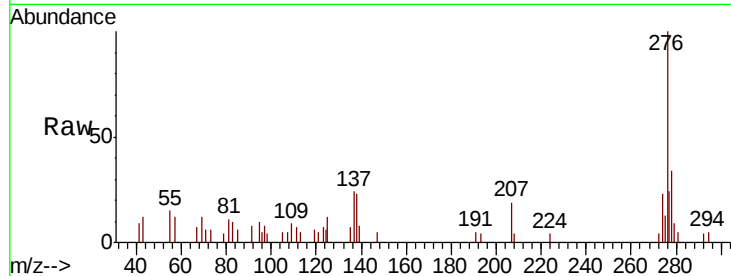
ClientSampleId :

CSA-2-1-3DL

Tot Ion:	278	Resp:	6366
Ion Ratio	Lower	Upper	
278	100		
139	23.0	13.4	20.0#
279	27.4	17.8	26.6#

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 5.750 ng

RT: 17.19 min Scan# 2568

Delta R.T. 0.05 min

Lab File: BF117647.D

Acq: 31 Oct 2019 5:47

Tgt Ion:	276	Resp:	16620
Ion Ratio	Lower	Upper	
276	100		
277	22.5	18.4	27.6
138	31.2	17.8	26.6#

