

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117645.D
 Acq On : 31 Oct 2019 4:54
 Operator : JU
 Sample : K5576-17DL 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSA-2-1-6DL

Manual Integrations
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Quant Time: Oct 31 08:17:34 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	36448	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	152329	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	76457	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	116600	20.00	ng	0.00
76) Chrysene-d12	13.90	240	81007	20.00	ng	0.00
87) Perylene-d12	15.34	264	72522	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	84776	34.60	ng	0.00
7) Phenol-d6	6.39	99	123275	37.46	ng	0.01
23) Nitrobenzene-d5	7.30	82	73626	23.86	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	22063	33.35	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	143385	26.42	ng	-0.01
79) Terphenyl-d14	12.83	244	122254	24.62	ng	0.00

Target Compounds

						Qvalue
49) Acenaphthylene	9.62	152	69647	9.936	ng	97
50) Dimethylphthalate	9.48	163	17799	3.266	ng	96
71) Phenanthrene	11.27	178	178971	26.434	ng	99
72) Anthracene	11.33	178	55592	8.002	ng	98
73) Carbazole	11.49	167	22459	3.538	ng	98
75) Fluoranthene	12.47	202	368436	54.359	ng	98
78) Pyrene	12.70	202	322662	46.372	ng	98
81) Benzo(a)anthracene	13.89	228	161527	29.561	ng	97
83) Chrysene	13.93	228	165089	30.827	ng	98
84) Bis(2-ethylhexyl)phthalate	13.86	149	12840	2.647	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.76	276	61603	15.407	ng	94
88) Benzo(b)fluoranthene	14.93	252	204810m	47.825	ng	
89) Benzo(k)fluoranthene	14.95	252	64456m	14.685	ng	
90) Benzo(a)pyrene	15.28	252	112183	28.812	ng	# 93
91) Dibenzo(a,h)anthracene	16.76	278	13885	4.124	ng	# 83
92) Benzo(g,h,i)perylene	17.19	276	51725	16.237	ng	97

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

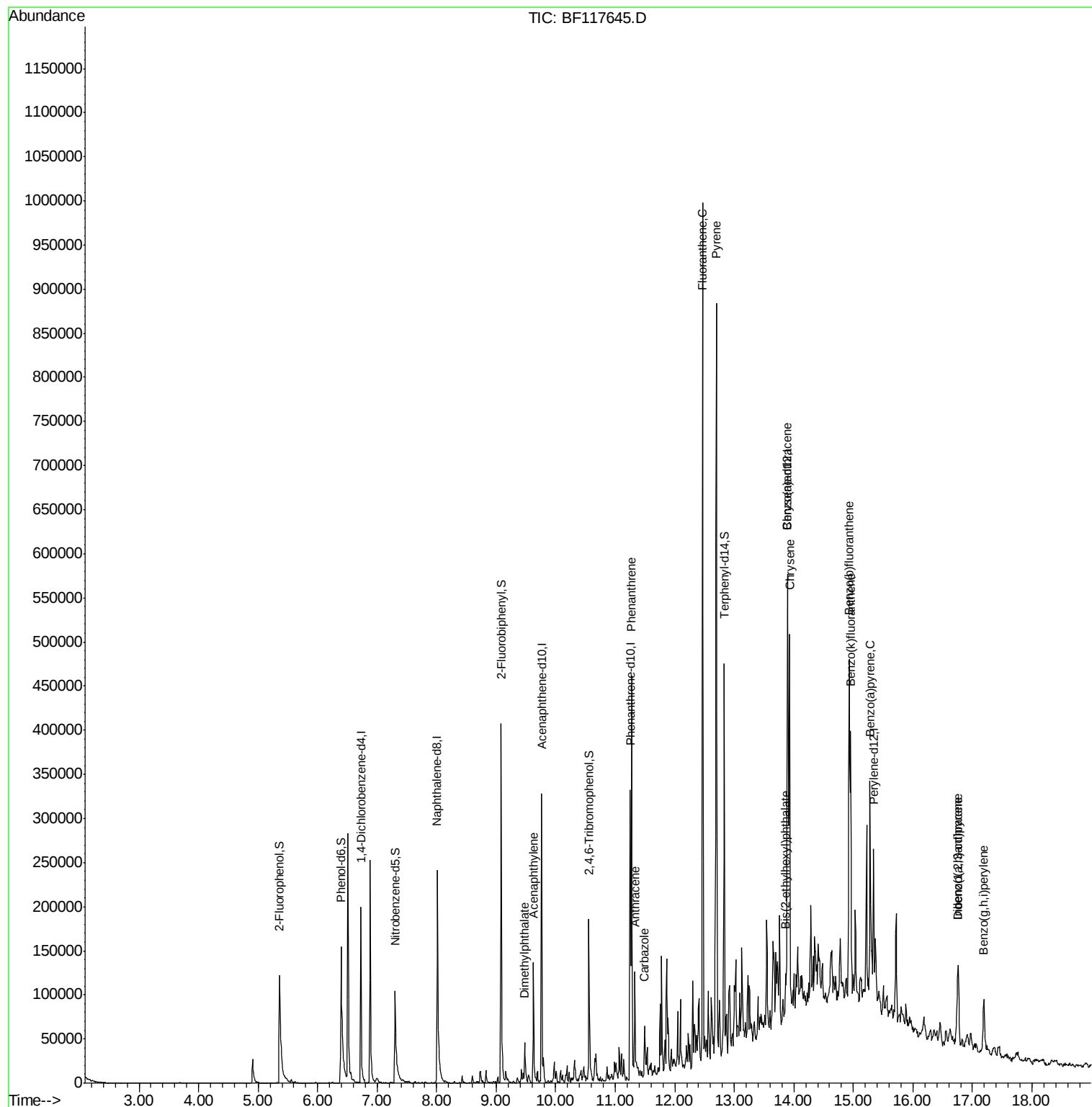
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117645.D
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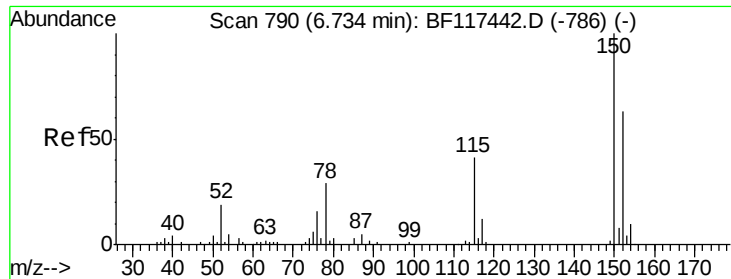
Instrument :
BNA_F
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CSA-2-1-6DL

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Quant Time: Oct 31 08:17:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

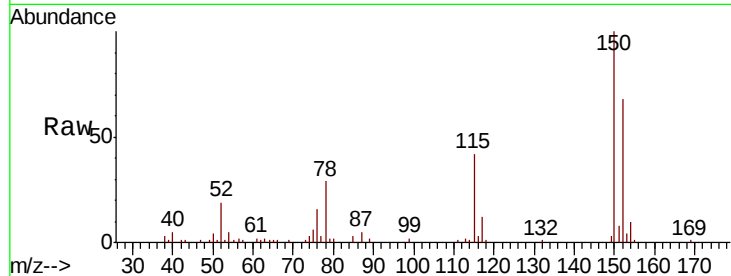
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-6DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.8	126.8	190.2
115	62.0	51.6	77.4

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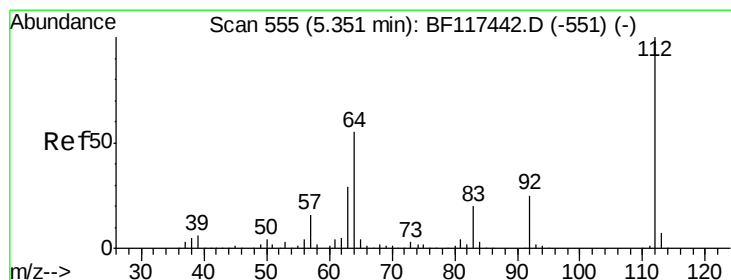
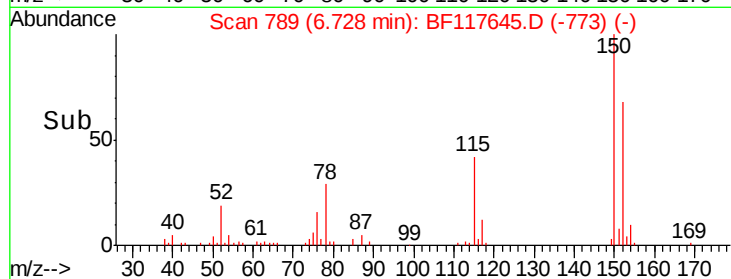
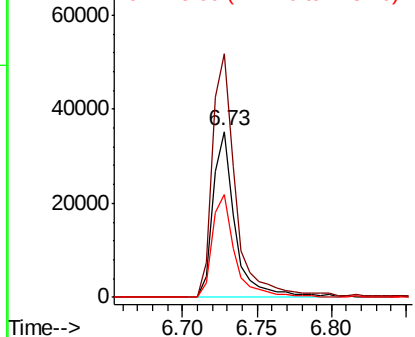


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

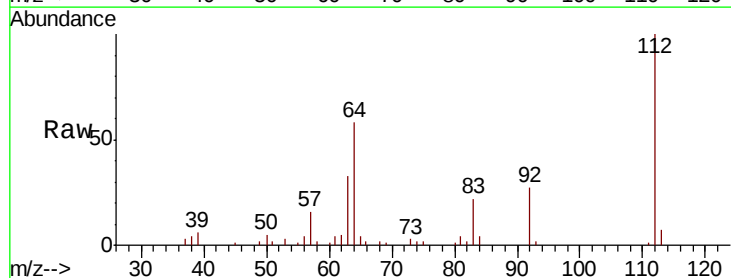
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 34.603 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	44.1	66.1
63	32.8	23.4	35.2

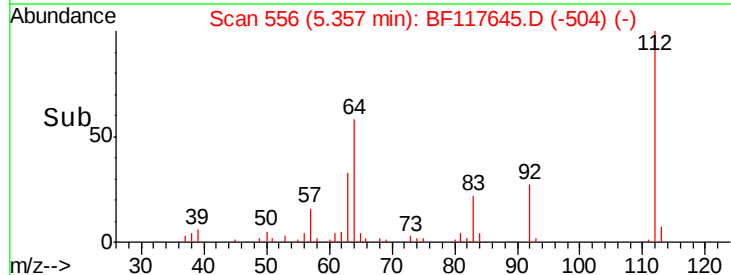
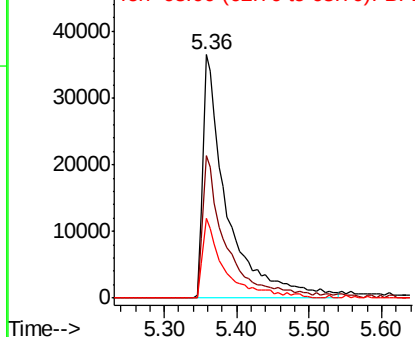


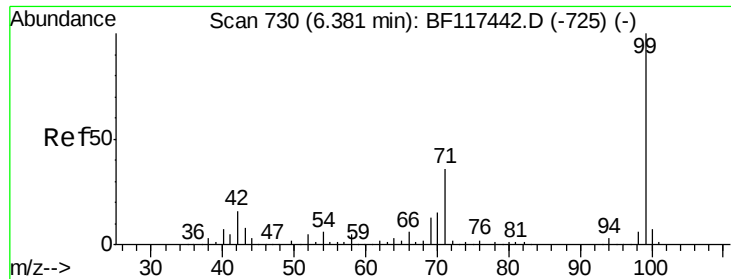
Abundance

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: 37.463 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF117645.D

Acq: 31 Oct 2019 4:54

Instrument :

BNA_F

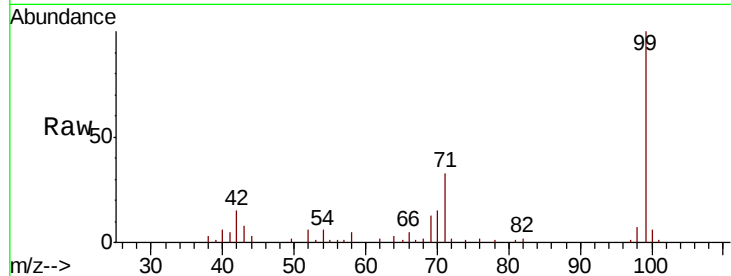
ClientSampleId :

CSA-2-1-6DL

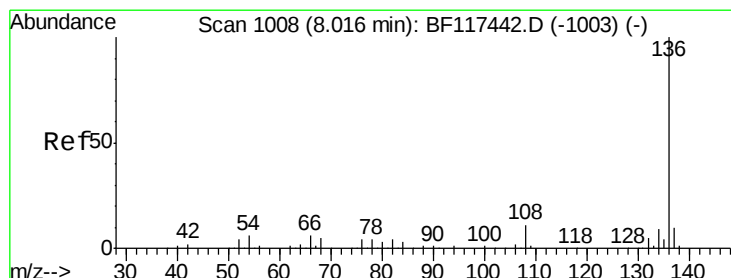
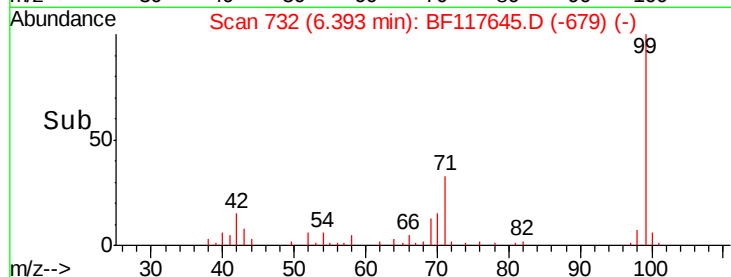
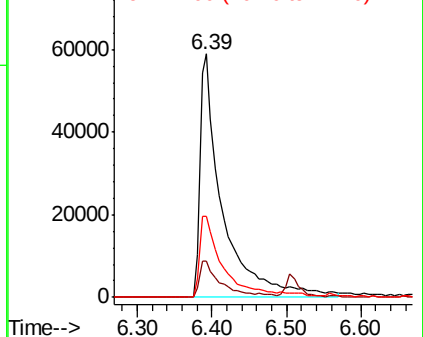
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		123275		
42	14.9	12.8	19.2		
71	33.4	28.6	43.0		

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

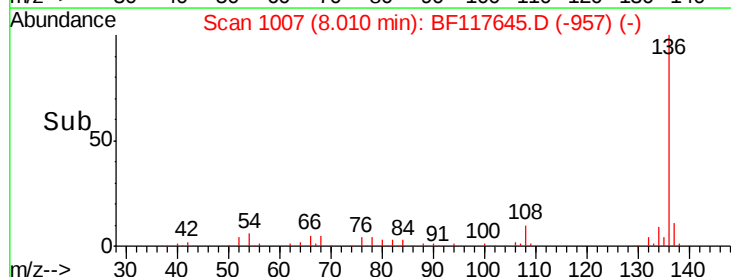
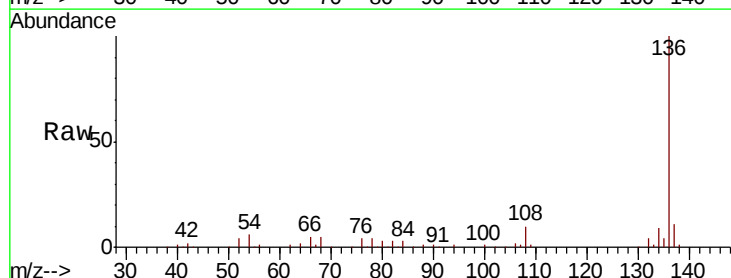
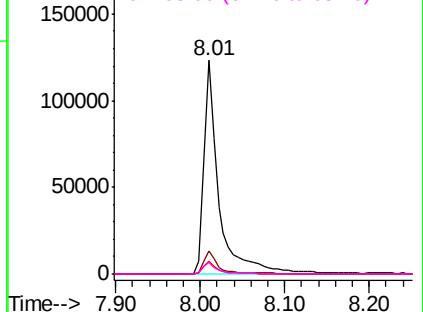
Delta R.T. -0.01 min

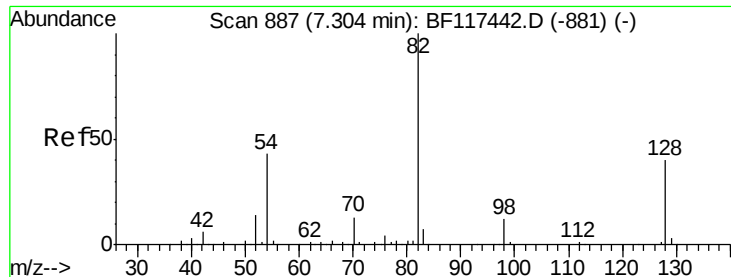
Lab File: BF117645.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		152329		
137	10.8	8.2	12.4		
54	5.9	4.5	6.7		
68	5.3	4.3	6.5		

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





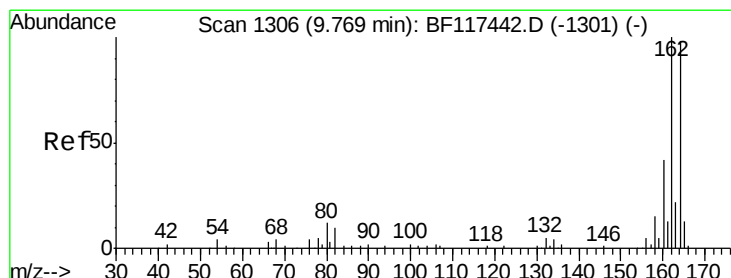
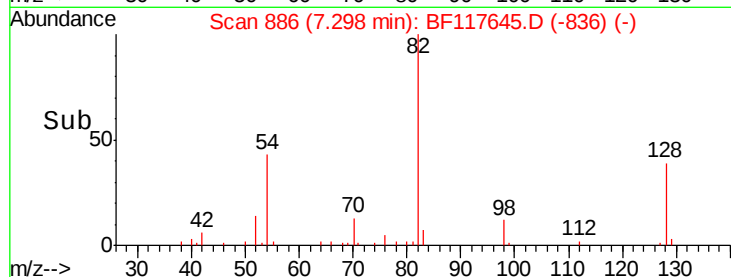
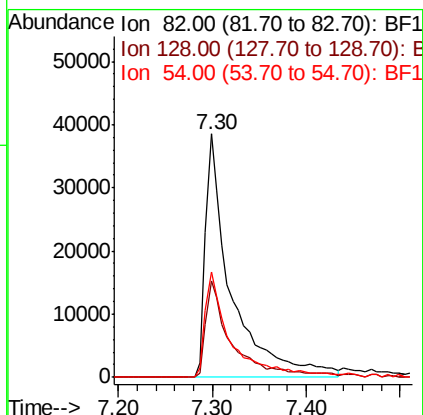
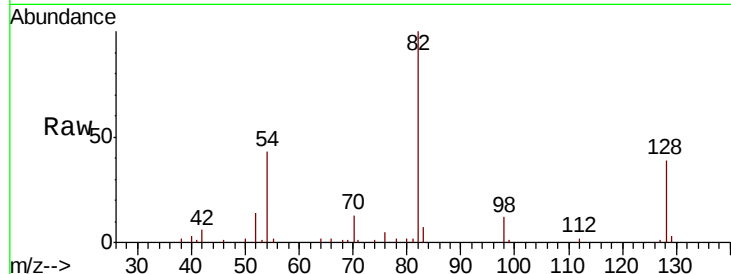
#23
Nitrobenzene-d5
Concen: 23.861 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-6DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.5	32.2	48.2
54	43.3	34.2	51.2

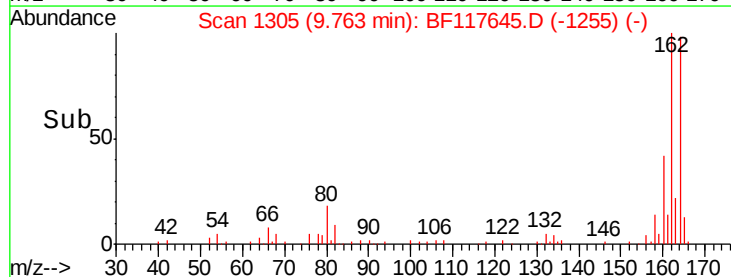
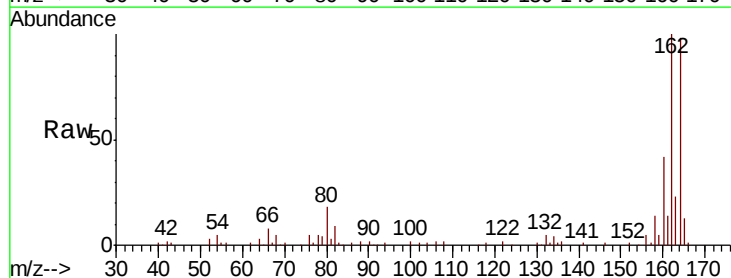
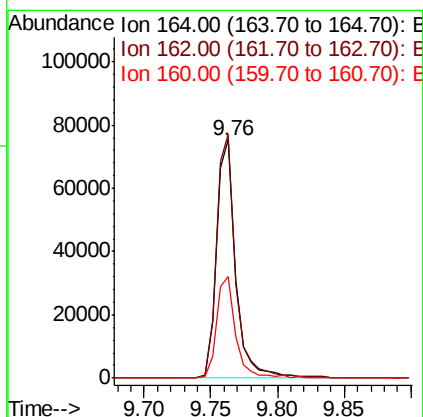
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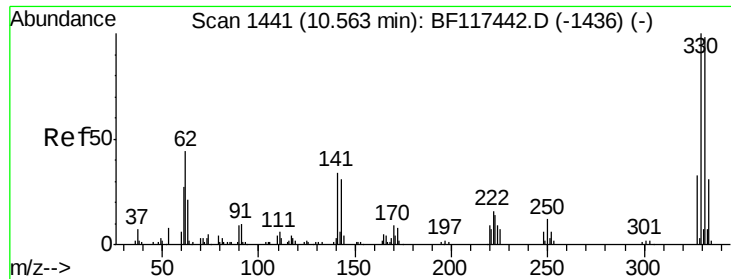
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.8	122.6
160	42.4	34.4	51.6





#42

2,4,6-Tribromophenol

Concen: 33.350 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.00 min

Lab File: BF117645.D

Acq: 31 Oct 2019 4:54

Instrument :

BNA_F

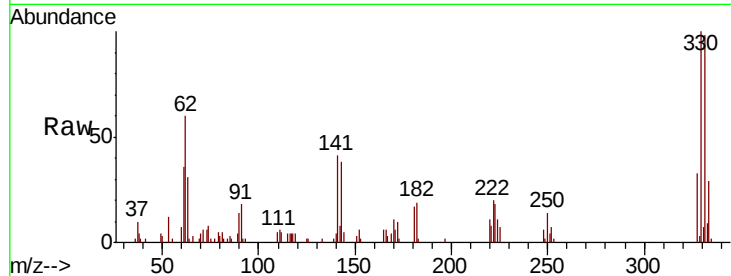
ClientSampleId :

CSA-2-1-6DL

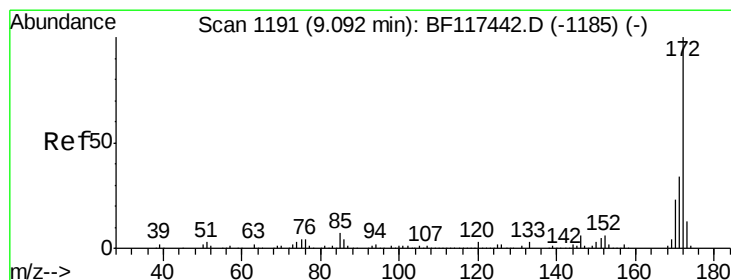
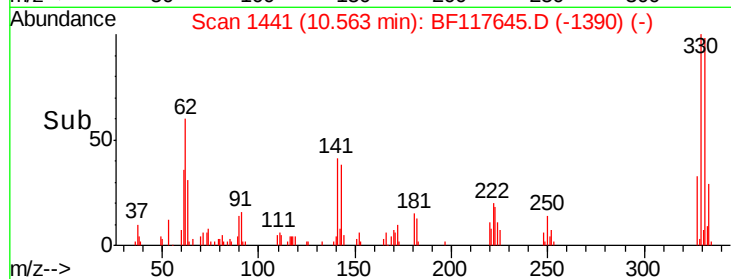
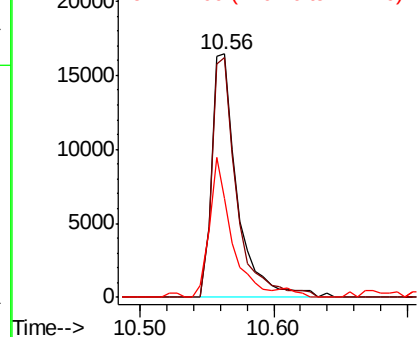
Tot Ion:	330	Resp:	22063
Ion Ratio	Lower	Upper	
330	100		
332	95.8	78.5	117.7
141	49.1	37.0	55.6

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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: 26.424 ng

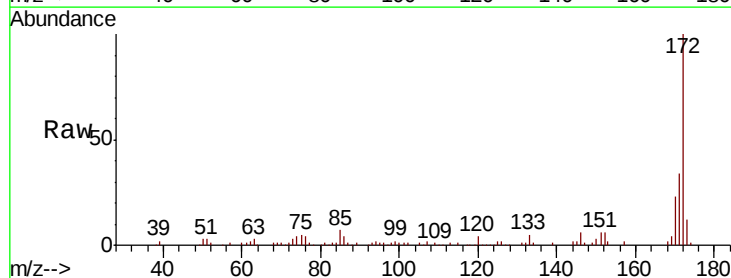
RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

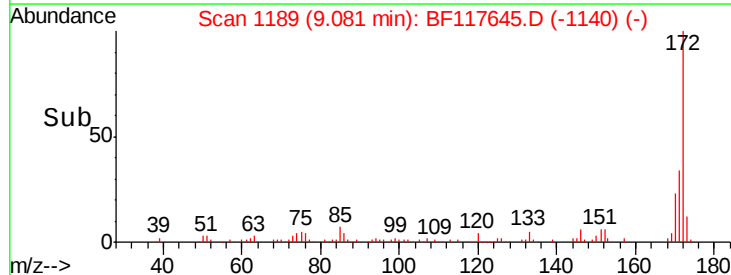
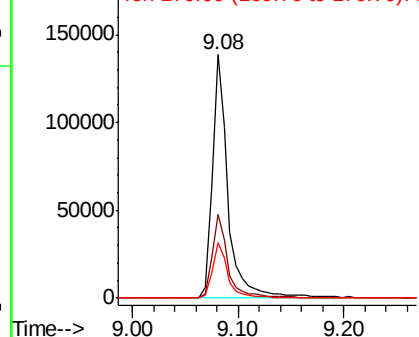
Lab File: BF117645.D

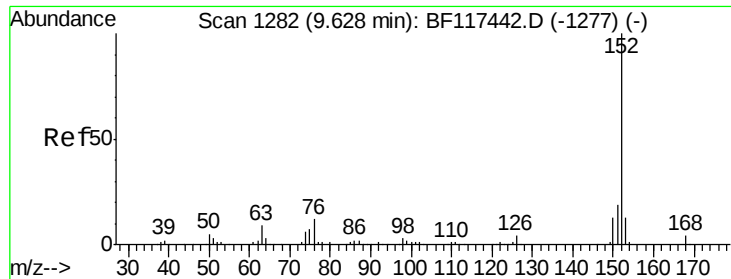
Acq: 31 Oct 2019 4:54

Tgt Ion:	172	Resp:	143385
Ion Ratio	Lower	Upper	
172	100		
171	34.2	27.5	41.3
170	22.7	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





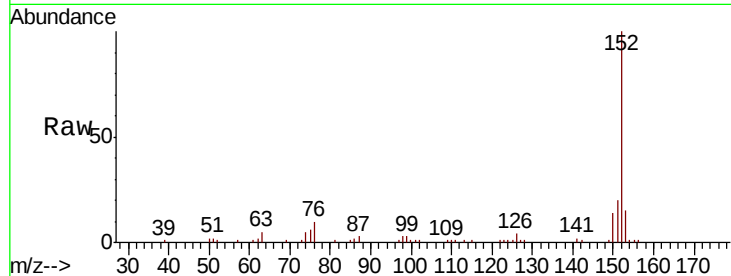
#49
Acenaphthylene
Concen: 9.936 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-6DL

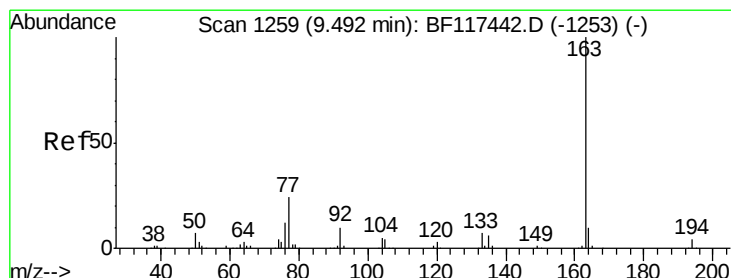
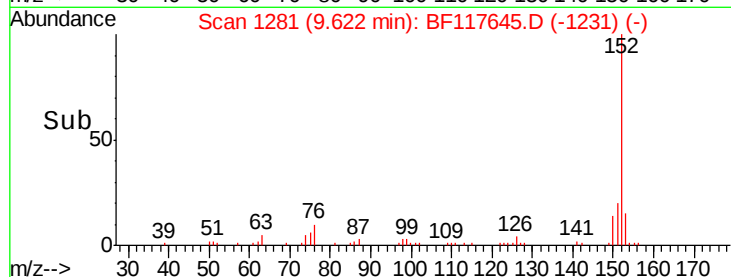
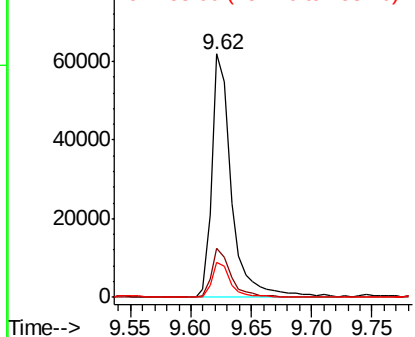
Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.4	23.0
153	14.5	10.3	15.5

Manual Integrations
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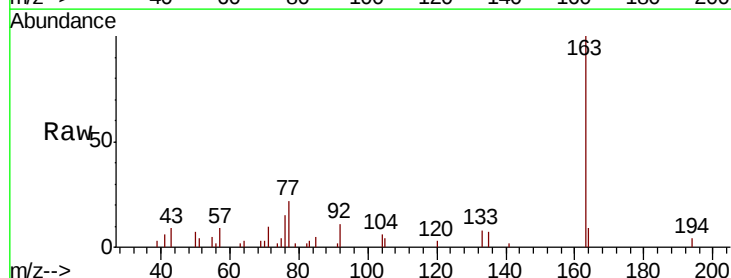


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

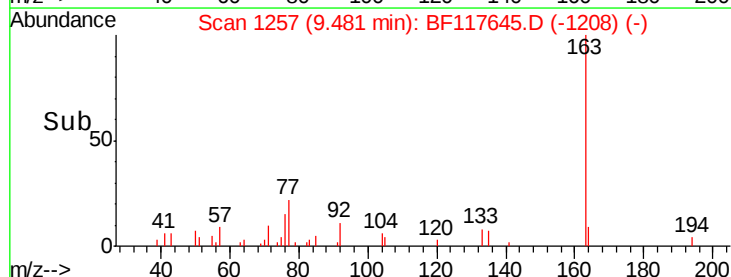
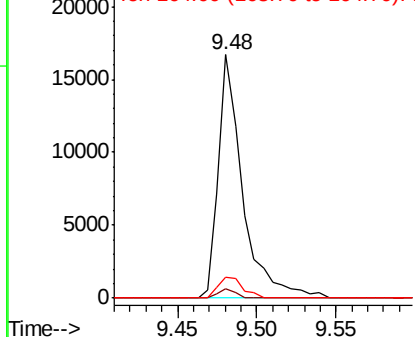


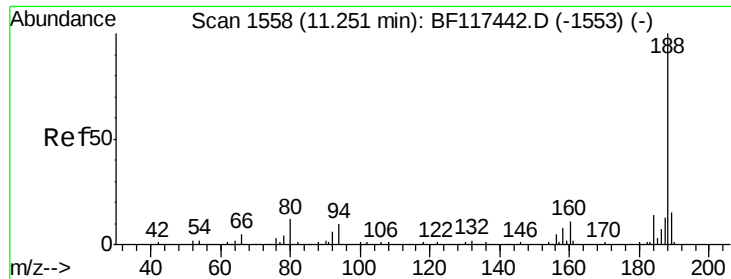
#50
Dimethylphthalate
Concen: 3.266 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.9	4.3
164	8.5	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





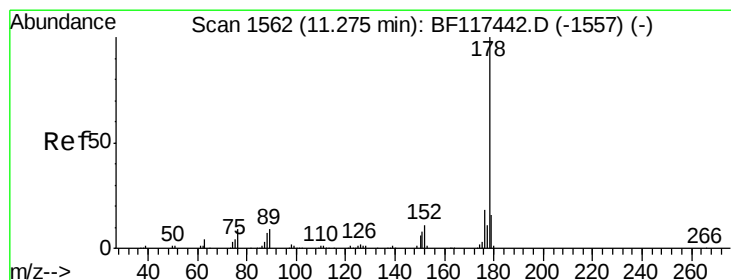
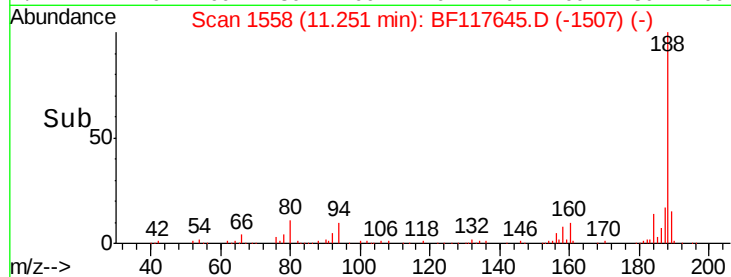
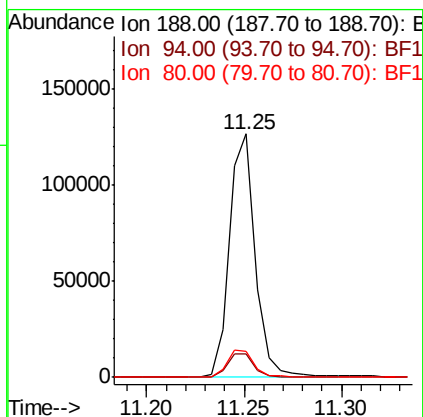
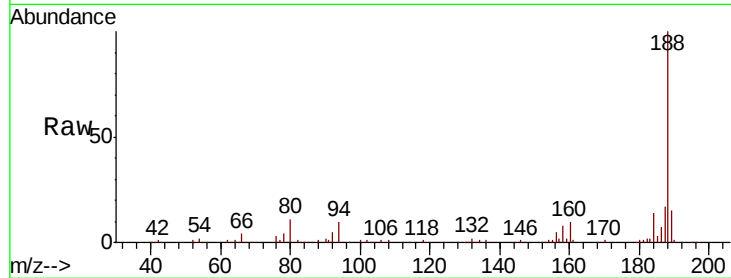
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-6DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	116600		
94	9.7		8.0	12.0
80	10.9		9.5	14.3

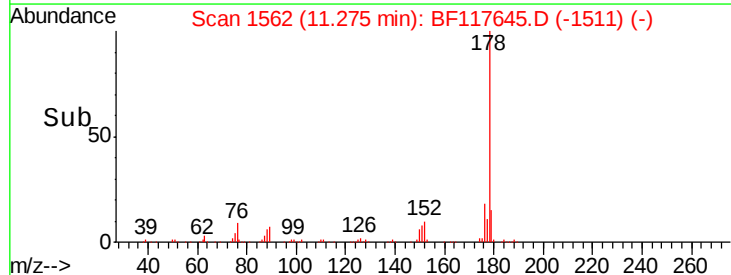
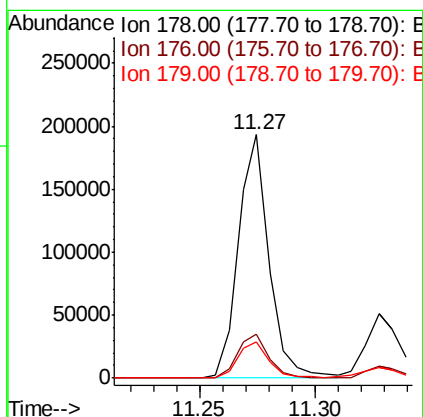
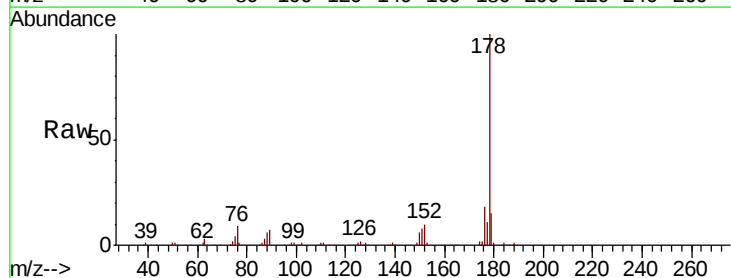
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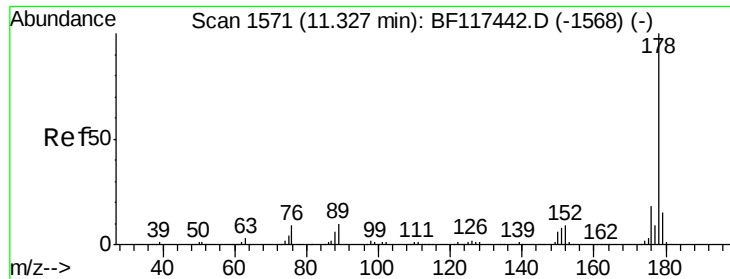
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#71
Phenanthrene
Concen: 26.434 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	178971		
176	18.3		14.6	22.0
179	14.9		12.6	19.0





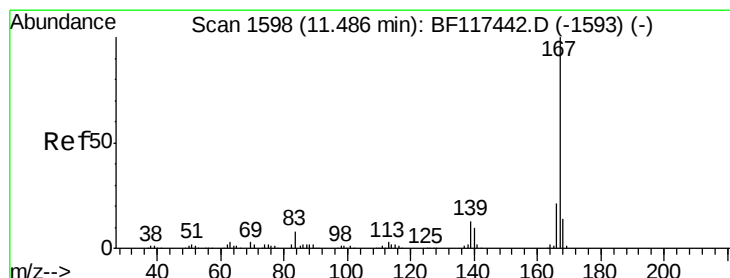
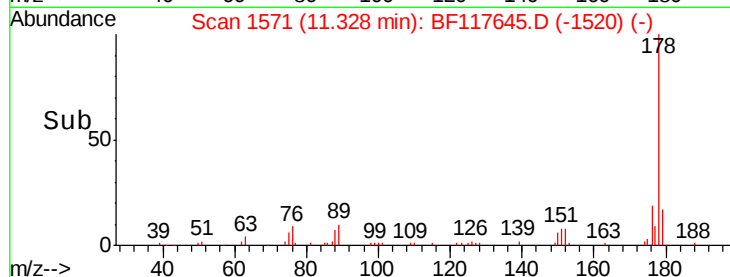
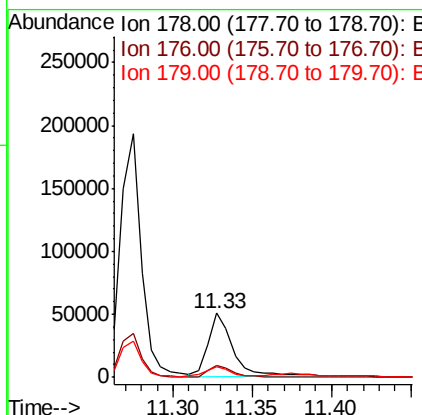
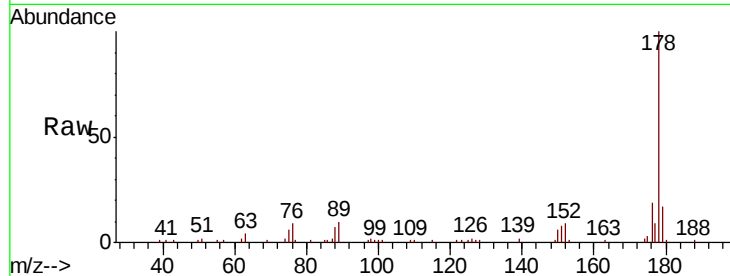
#72
 Anthracene
 Concen: 8.002 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF117645.D
 Acq: 31 Oct 2019 4:54

Instrument :
 BNA_F
 ClientSampleId :
 CSA-2-1-6DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	16.8	12.2	18.2

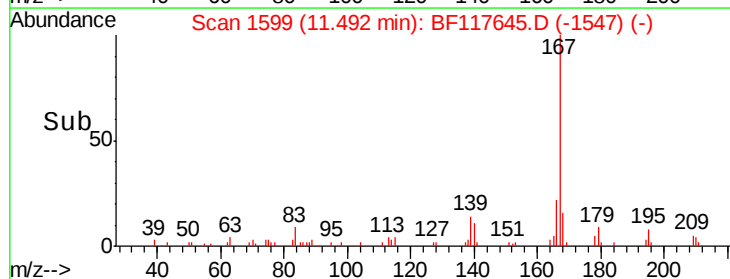
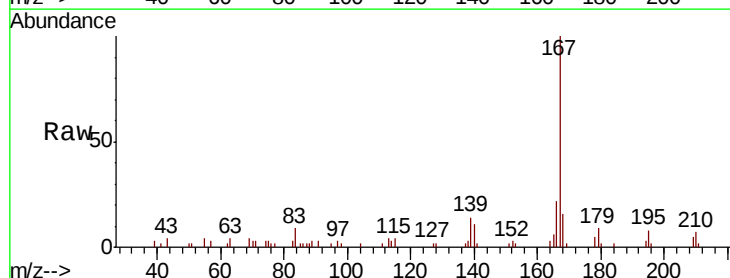
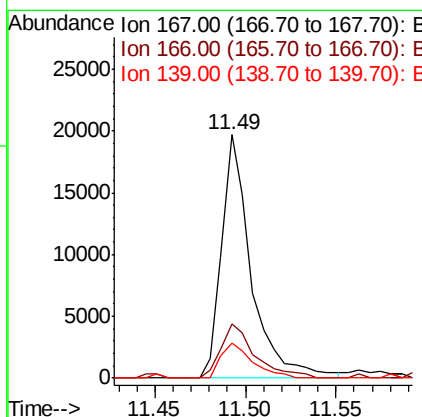
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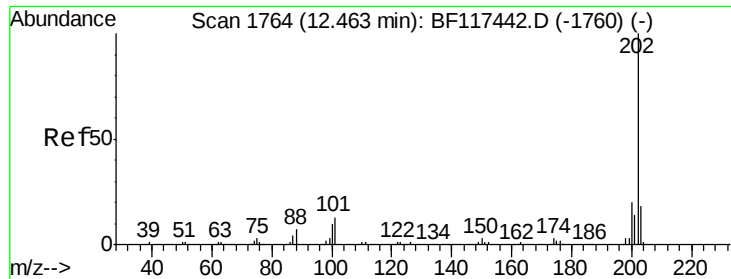
mohammad
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#73
 Carbazole
 Concen: 3.538 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. 0.01 min
 Lab File: BF117645.D
 Acq: 31 Oct 2019 4:54

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.0	25.6
139	14.3	10.6	16.0





#75

Fluoranthene

Concen: 54.359 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117645.D

Acq: 31 Oct 2019 4:54

Instrument :

BNA_F

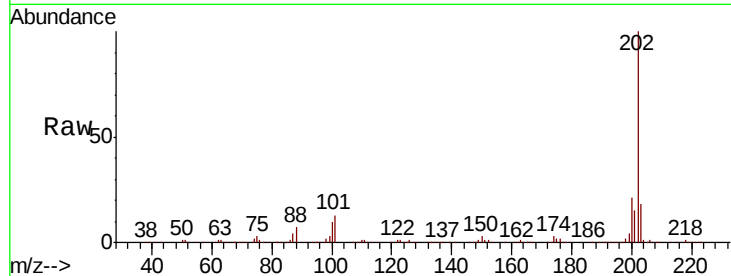
ClientSampled :

CSA-2-1-6DL

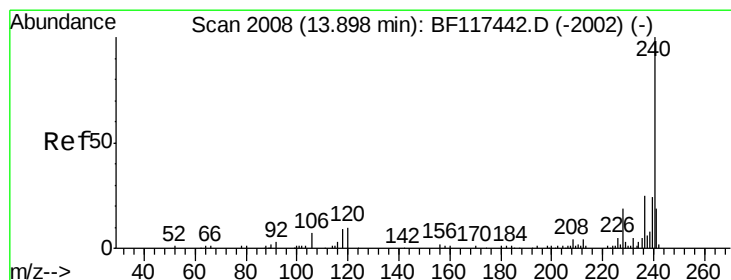
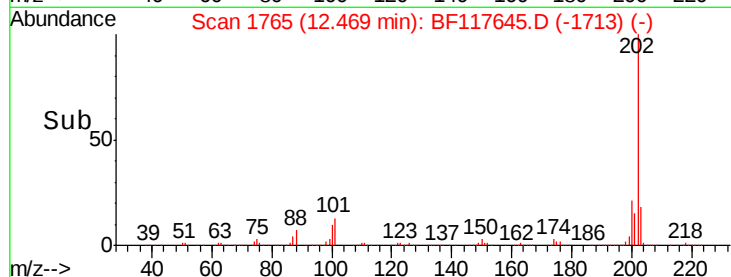
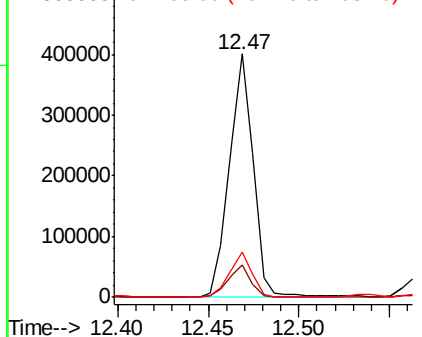
Tot Ion:	202	Resp:	368436
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	32.7
203	18.5	0.0	37.6

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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

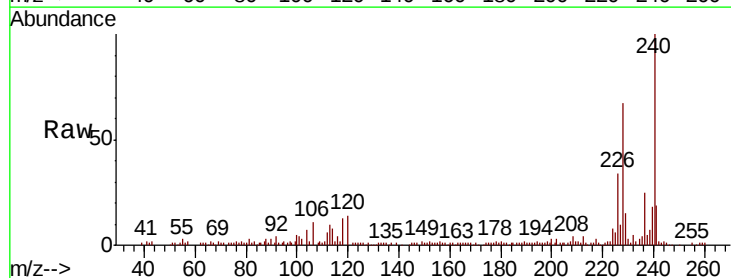
RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

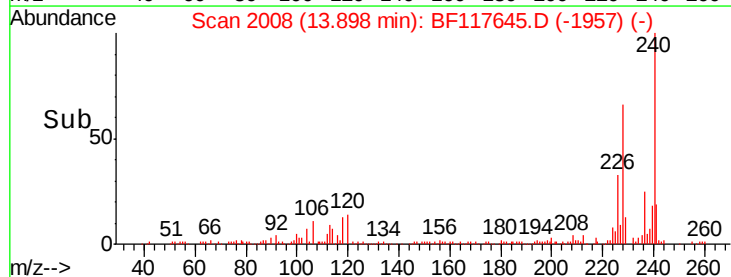
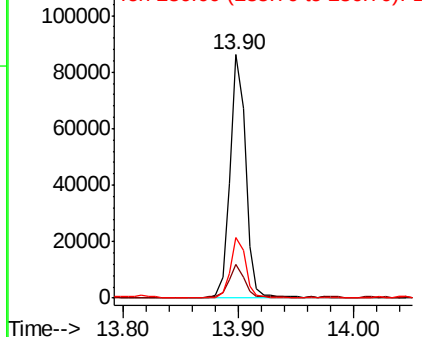
Lab File: BF117645.D

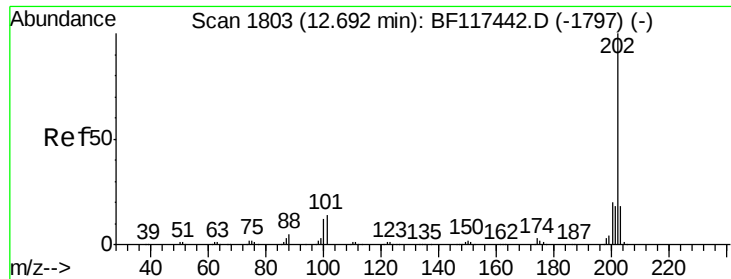
Acq: 31 Oct 2019 4:54

Tgt Ion:	240	Resp:	81007
Ion Ratio	Lower	Upper	
240	100		
120	13.9	8.4	12.6#
236	25.0	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





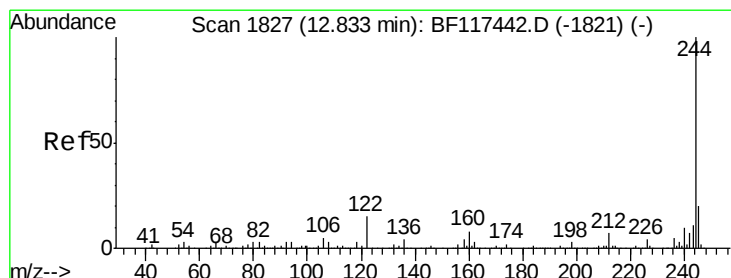
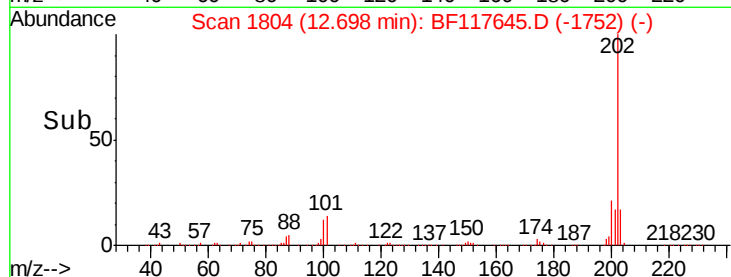
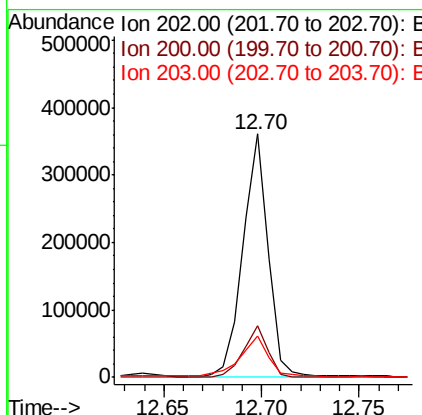
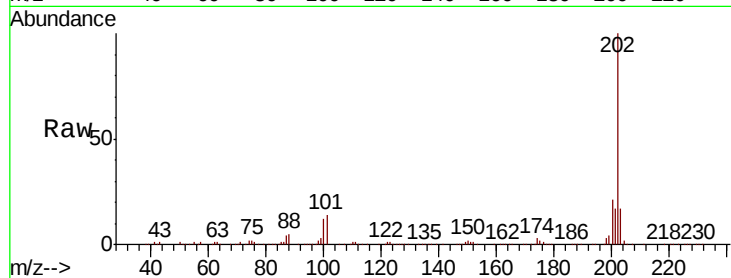
#78
Pvrene
Concen: 46.372 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-6DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.2	24.2
203	17.0	14.0	21.0

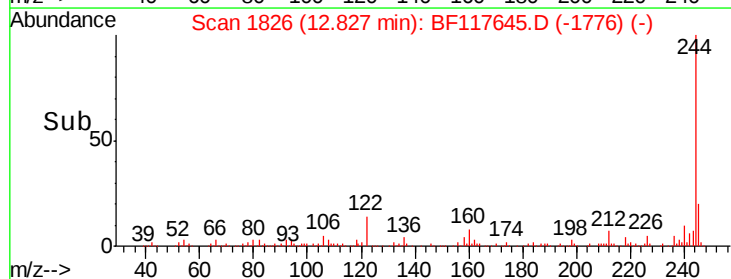
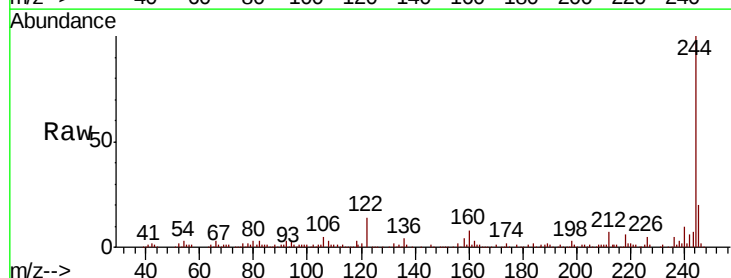
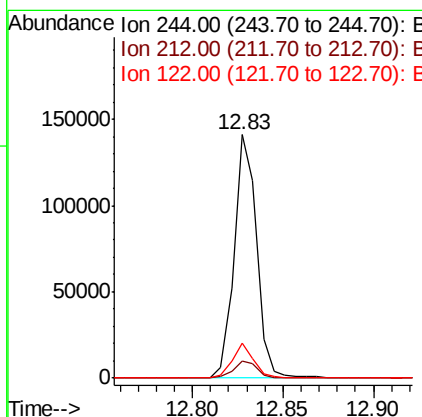
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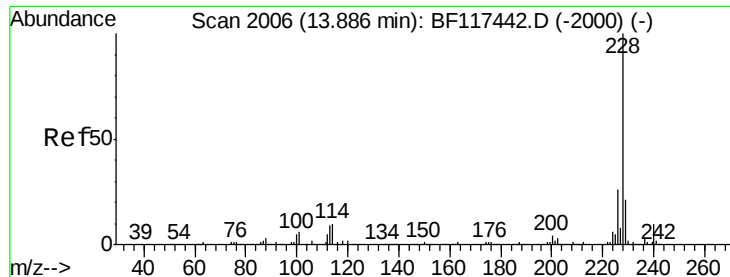
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#79
Terphenyl-d14
Concen: 24.616 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	14.2	11.8	17.8





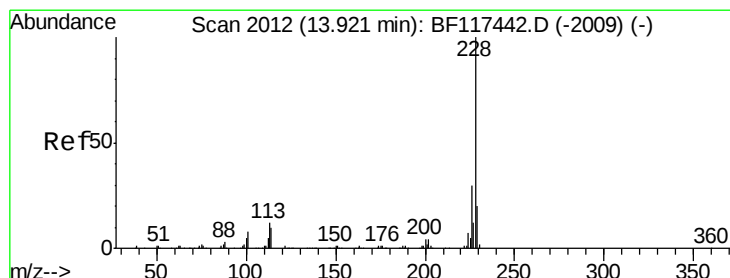
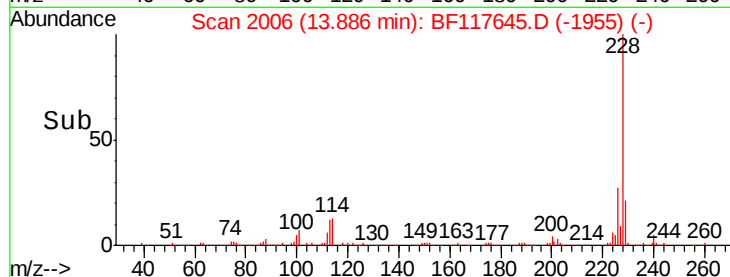
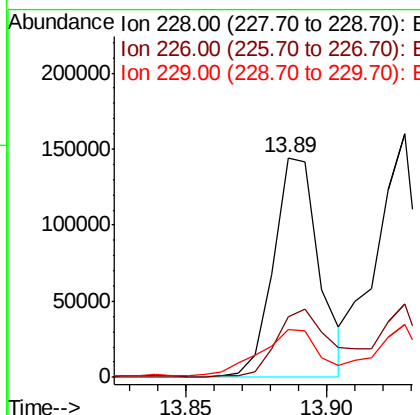
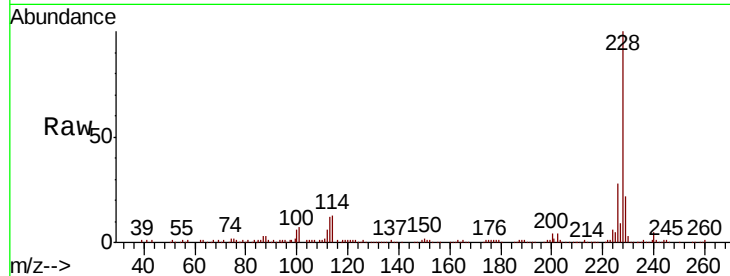
#81
Benzo(a)anthracene
Concen: 29.561 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-6DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.0	31.4
229	22.0	16.4	24.6

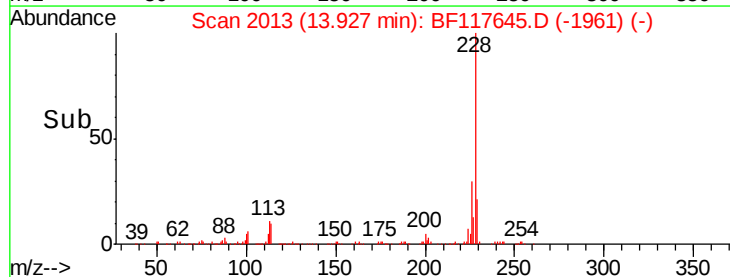
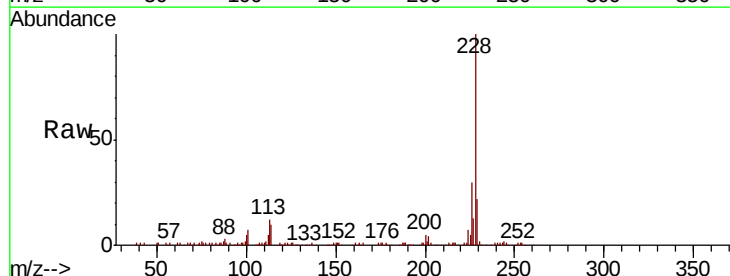
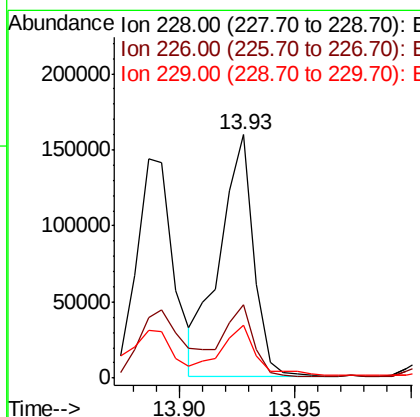
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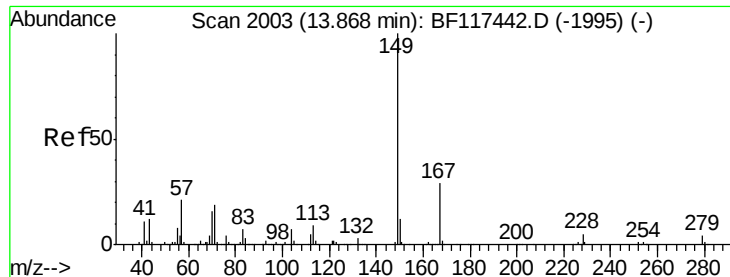
mohammad
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#83
Chrysene
Concen: 30.827 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	21.9	15.8	23.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.647 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF117645.D

Acq: 31 Oct 2019 4:54

Instrument :

BNA_F

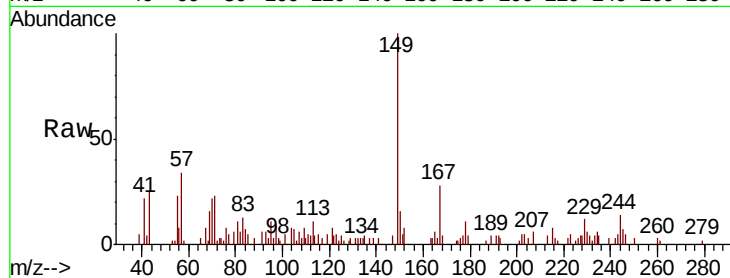
ClientSampleId :

CSA-2-1-6DL

Tot Ion:	149	Resp:	12840
Ion Ratio		Lower	Upper
149	100		
167	28.1	23.3	34.9
279	2.4	3.2	4.8#

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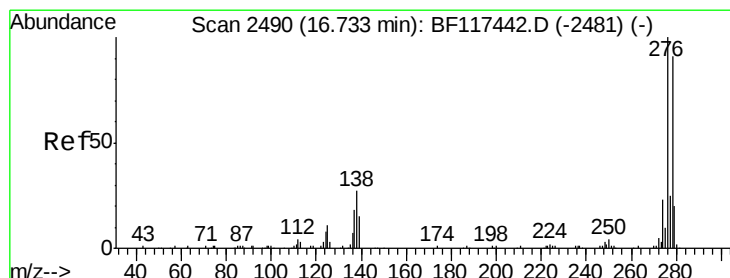
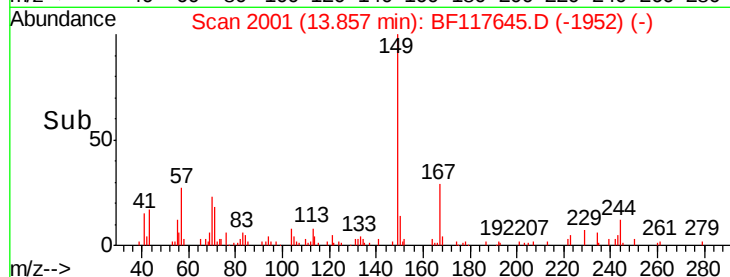
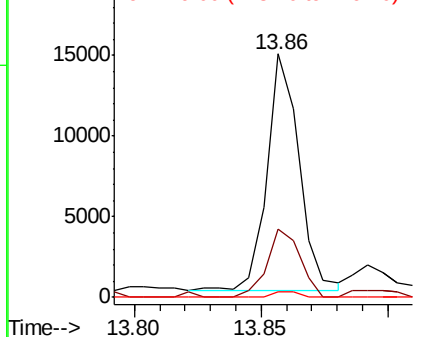


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 15.407 ng

RT: 16.76 min Scan# 2495

Delta R.T. 0.03 min

Lab File: BF117645.D

Acq: 31 Oct 2019 4:54

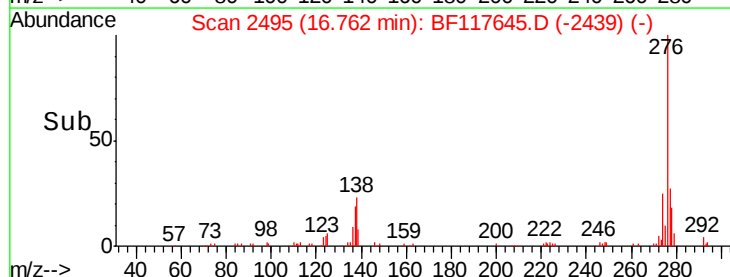
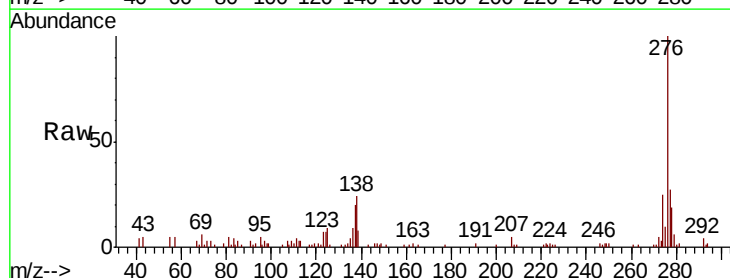
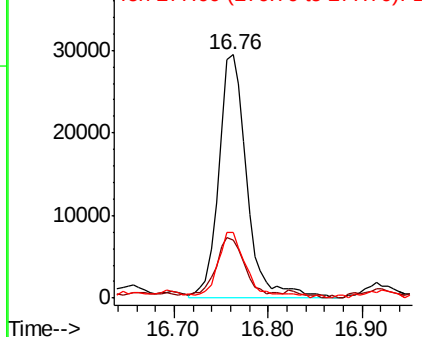
Tgt Ion:	276	Resp:	61603
Ion Ratio		Lower	Upper
276	100		
138	22.7	21.8	32.8
277	23.6	20.0	30.0

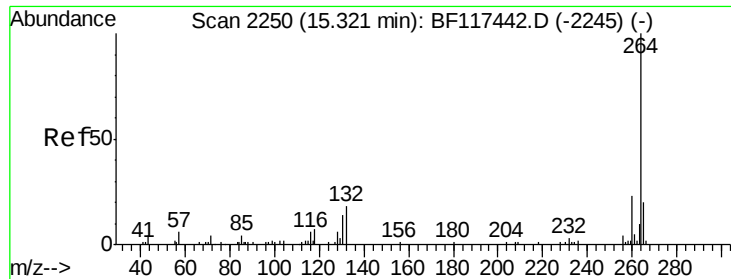
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.34 min Scan# 2253

Delta R.T. 0.02 min

Lab File: BF117645.D

Acq: 31 Oct 2019 4:54

Instrument :

BNA_F

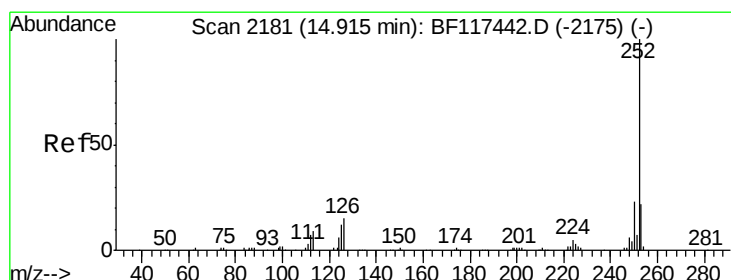
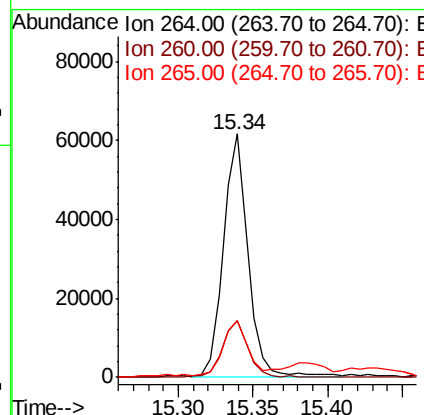
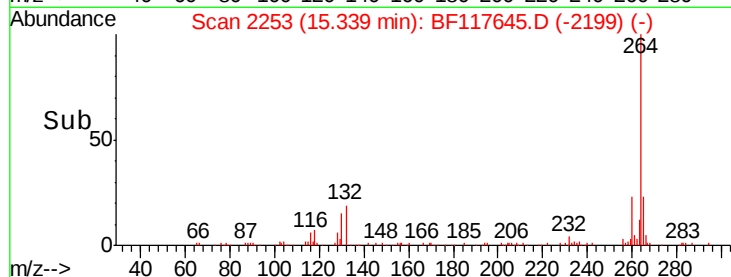
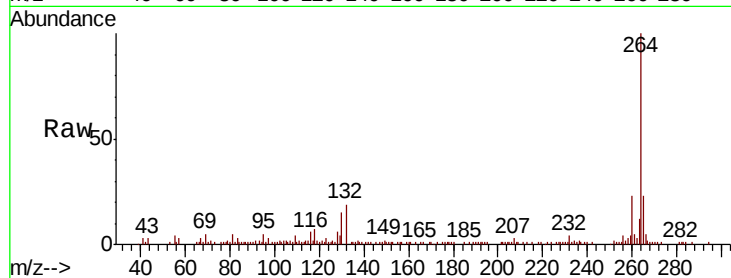
ClientSampleId :

CSA-2-1-6DL

Tot Ion:	264	Resp:	72522
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.4	27.6
265	23.2	16.1	24.1

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#88

Benzo(b)fluoranthene

Concen: 47.825 ng m

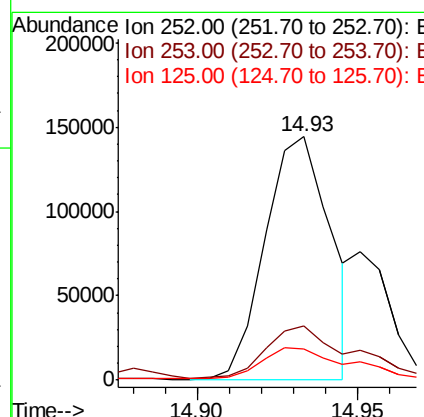
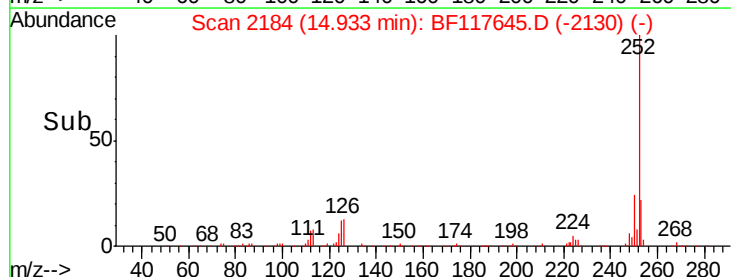
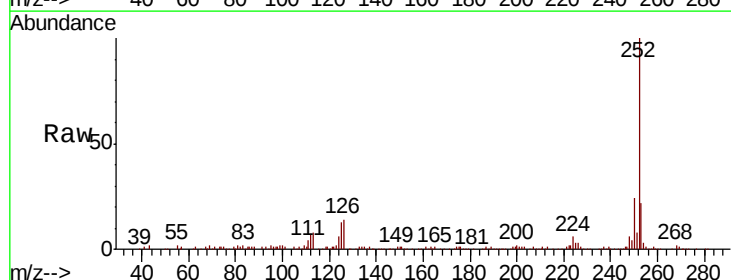
RT: 14.93 min Scan# 2184

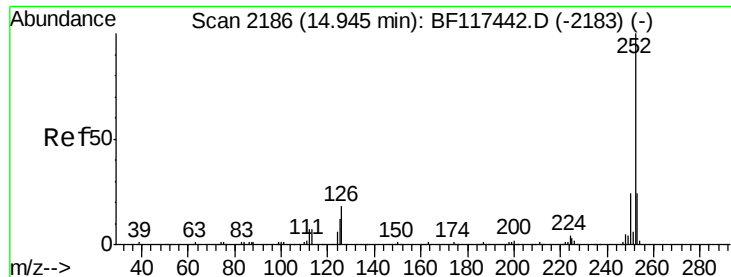
Delta R.T. 0.02 min

Lab File: BF117645.D

Acq: 31 Oct 2019 4:54

Tgt Ion:	252	Resp:	204810
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.8	26.6
125	12.9	9.9	14.9





#89

Benzo(k)fluoranthene

Concen: 14.685 ng m

RT: 14.95 min Scan# 2187

Delta R.T. 0.01 min

Lab File: BF117645.D

Acq: 31 Oct 2019 4:54

Instrument :

BNA_F

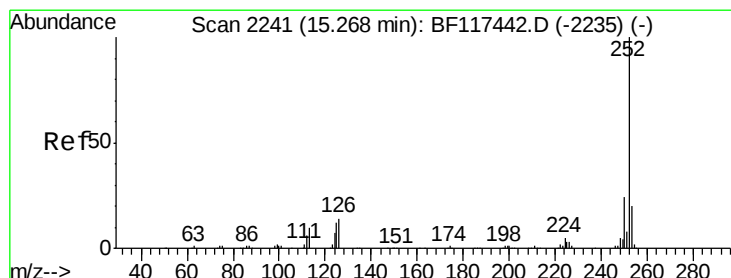
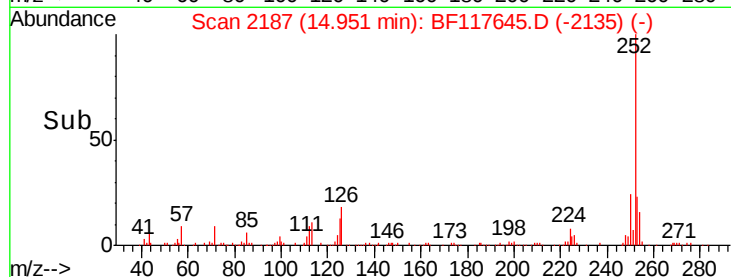
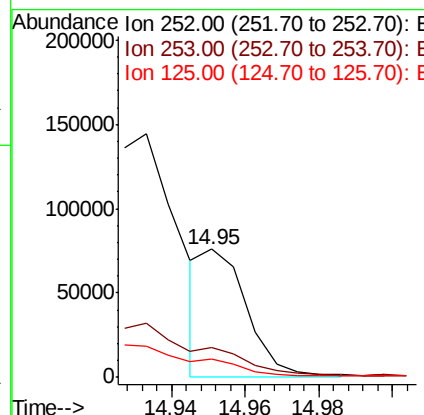
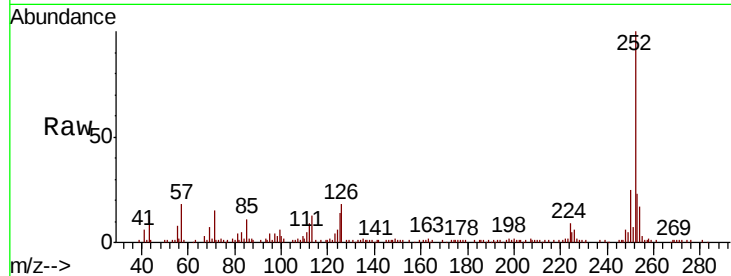
ClientSampleId :

CSA-2-1-6DL

Tot Ion:	252	Resp:	64456
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.0	27.0
125	14.5	8.9	13.3#

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#90

Benzo(a)pyrene

Concen: 28.812 ng

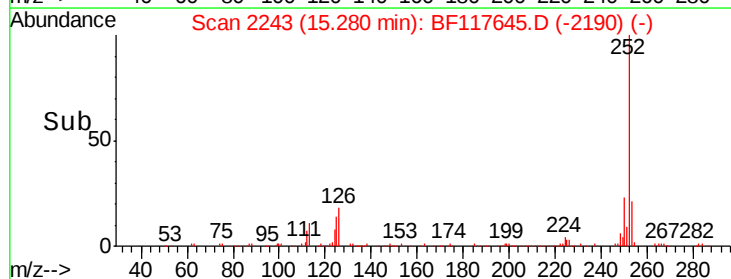
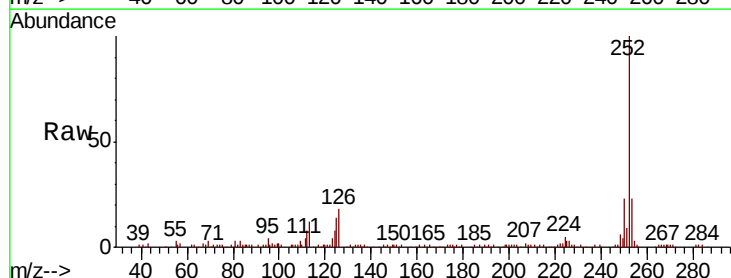
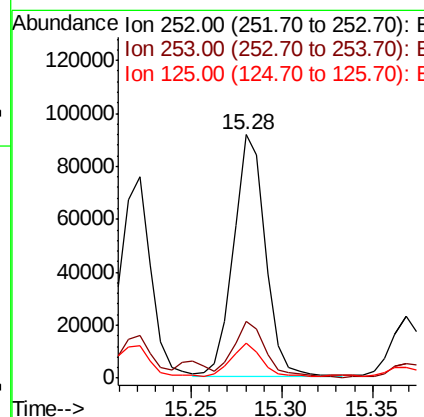
RT: 15.28 min Scan# 2243

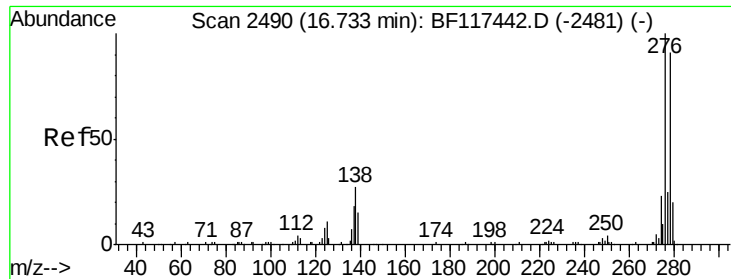
Delta R.T. 0.01 min

Lab File: BF117645.D

Acq: 31 Oct 2019 4:54

Tgt Ion:	252	Resp:	112183
Ion Ratio	Lower	Upper	
252	100		
253	23.3	16.3	24.5
125	14.3	9.2	13.8#





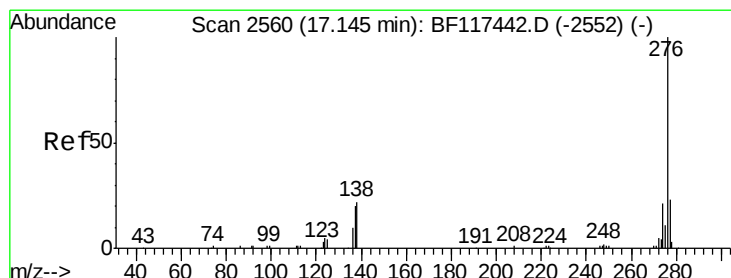
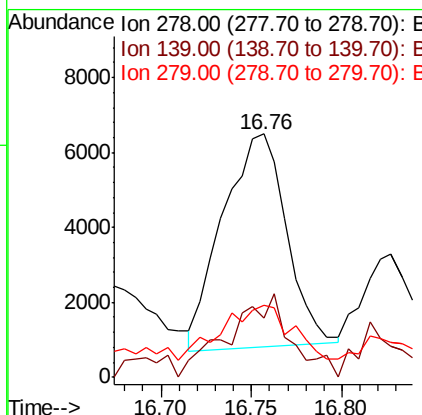
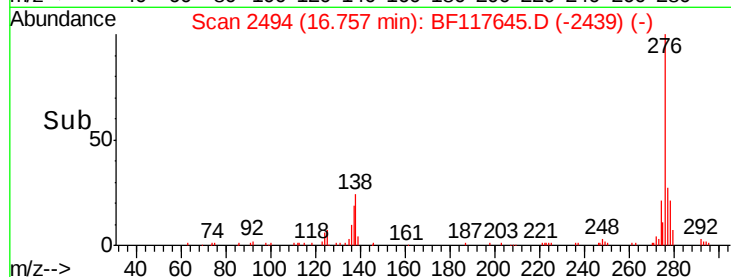
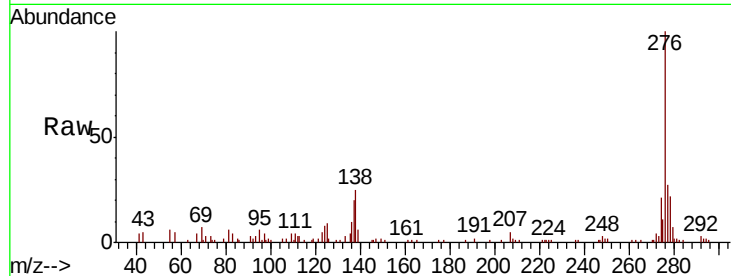
#91
Dibenzo(a,h)anthracene
Concen: 4.124 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.02 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-6DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.5	13.4	20.0#
279	29.5	17.8	26.6#

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#92
Benzo(g,h,i)perylene
Concen: 16.237 ng
RT: 17.19 min Scan# 2568
Delta R.T. 0.05 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.4	27.6
138	23.6	17.8	26.6

