

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\
 Data File : BF117669.D
 Acq On : 31 Oct 2019 20:13
 Operator : JU
 Sample : K5576-14DL 25X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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

Manual Integrations
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 11/1/2019 12:34:49 PM

Quant Time: Nov 01 11:58:59 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	32788	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	164928	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	82922	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	127890	20.00	ng	0.00
76) Chrysene-d12	13.90	240	69883	20.00	ng	0.00
87) Perylene-d12	15.34	264	76810	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	5177m	2.35	ng	0.11
7) Phenol-d6	6.46	99	10778m	3.64	ng	0.08
23) Nitrobenzene-d5	7.35	82	5066m	1.52	ng	0.05
42) 2,4,6-Tribromophenol	10.57	330	1712	2.39	ng	0.01
45) 2-Fluorobiphenyl	9.09	172	13060	2.22	ng	0.00
79) Terphenyl-d14	12.83	244	11693	2.73	ng	0.00

Target Compounds

						Qvalue
49) Acenaphthylene	9.63	152	21219	2.791	ng	99
71) Phenanthrene	11.27	178	43958	5.919	ng	99
72) Anthracene	11.33	178	23054	3.026	ng	99
75) Fluoranthene	12.47	202	171421	23.059	ng	98
78) Pyrene	12.70	202	143096	23.839	ng	99
80) Butylbenzylphthalate	13.30	149	9907	3.317	ng	98
81) Benzo(a)anthracene	13.89	228	77269	16.392	ng	98
83) Chrysene	13.92	228	75037	16.242	ng	98
86) Indeno(1,2,3-cd)pyrene	16.76	276	31798	9.219	ng	97
88) Benzo(b)fluoranthene	14.93	252	90264m	19.901	ng	
89) Benzo(k)fluoranthene	14.95	252	27616m	5.940	ng	
90) Benzo(a)pyrene	15.28	252	49491	12.001	ng	# 94
91) Dibenzo(a,h)anthracene	16.76	278	7583m	2.127	ng	
92) Benzo(a,h,i)perylene	17.20	276	25609	7.590	ng	94

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

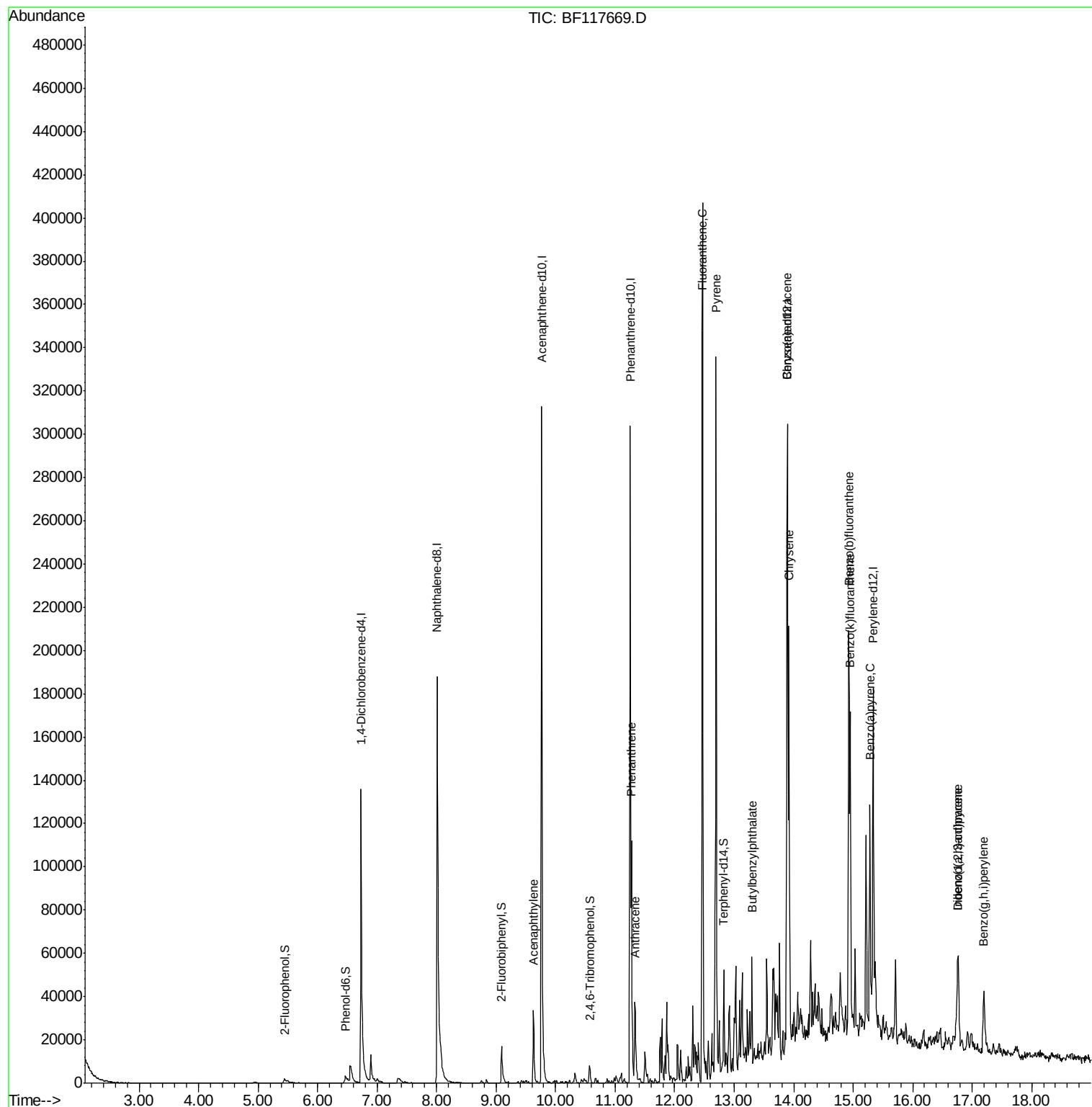
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\
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ALS Vial : 19 Sample Multiplier: 1

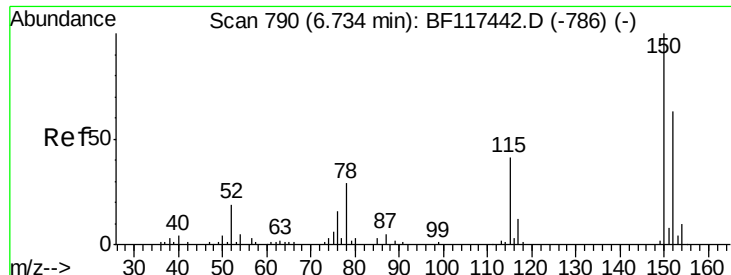
Instrument :
BNA_F
ClientSampleId :
CSA-2-1-3DL

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

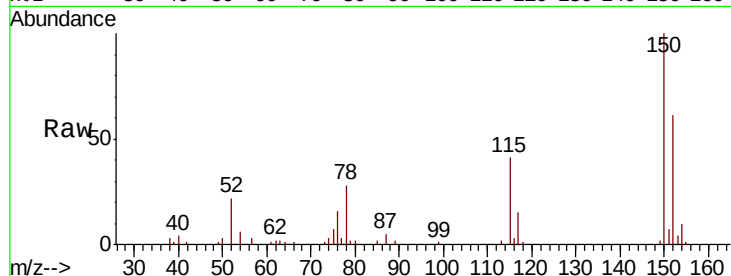
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117669.D
Acq: 31 Oct 2019 20:13

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.0	126.8	190.2
115	67.4	51.6	77.4

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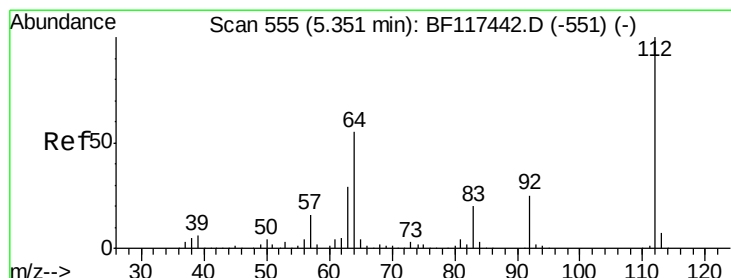
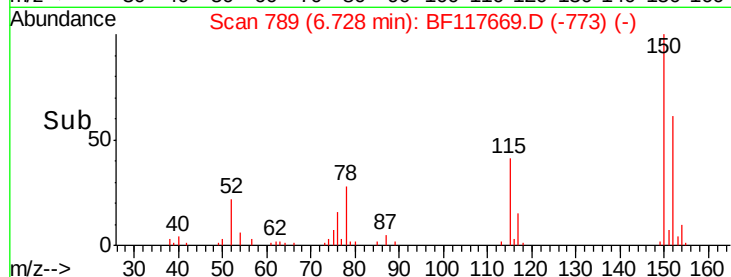
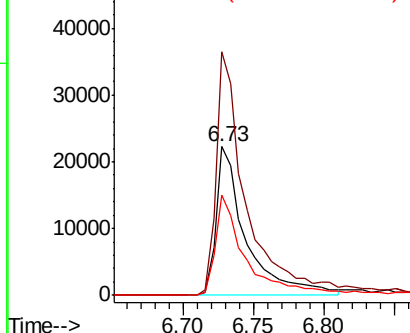


Abundance

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: 2.349 ng m
RT: 5.46 min Scan# 573
Delta R.T. 0.11 min
Lab File: BF117669.D
Acq: 31 Oct 2019 20:13

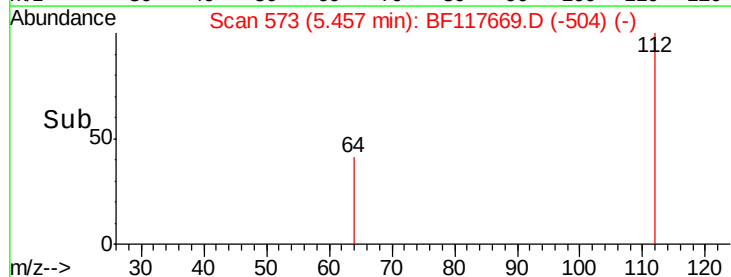
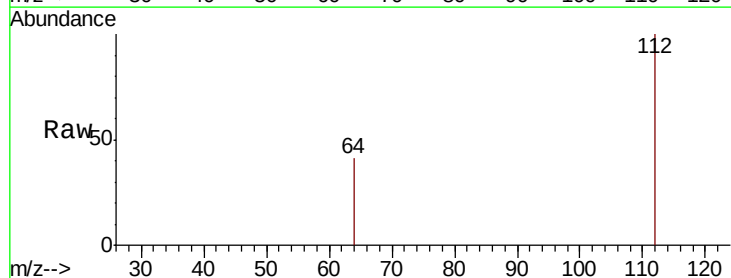
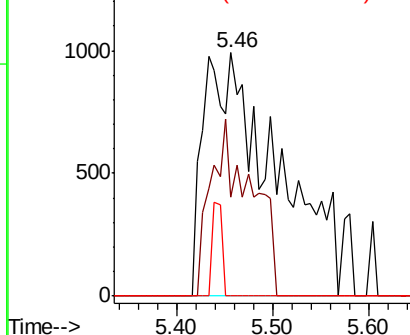
Tgt Ion	Ratio	Lower	Upper
112	100		
64	40.7	44.1	66.1#
63	0.0	23.4	35.2#

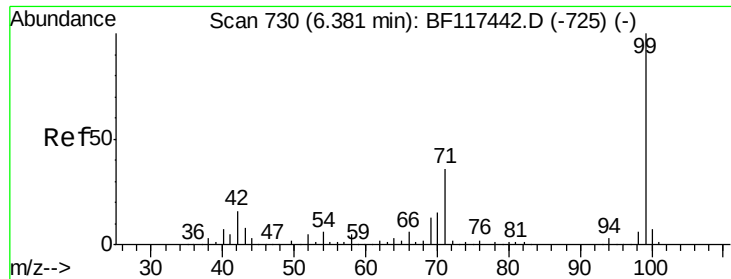
Abundance

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

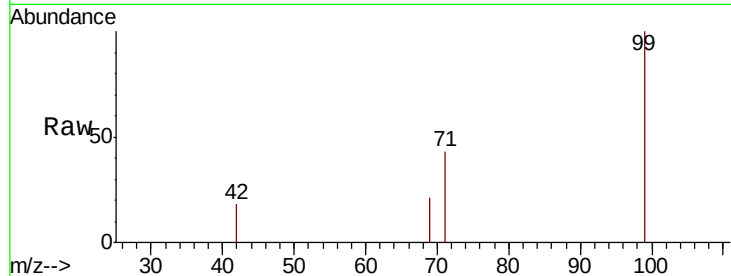
Concen: 3.641 ng/mL
 RT: 6.46 min Scan# 744
 Delta R.T. 0.08 min
 Lab File: BF117669.D
 Acq: 31 Oct 2019 20:13

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

Tot Ion	Ratio	Lower	Upper
99	100		
42	18.2	12.8	19.2
71	43.4	28.6	43.0

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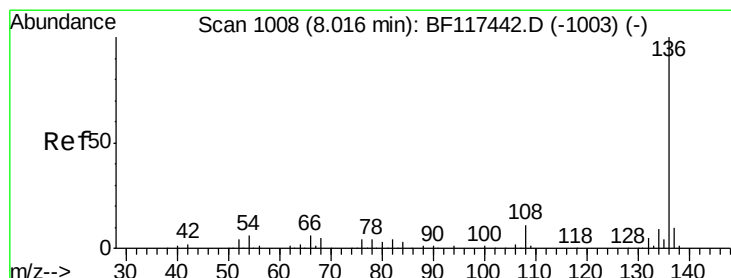
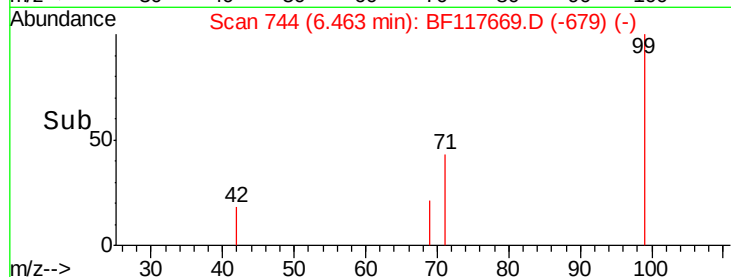
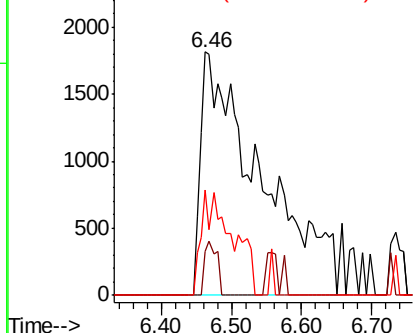


Abundance

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: BF117669.D
 Acq: 31 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.2	12.4
54	6.8	4.5	6.7
68	5.4	4.3	6.5

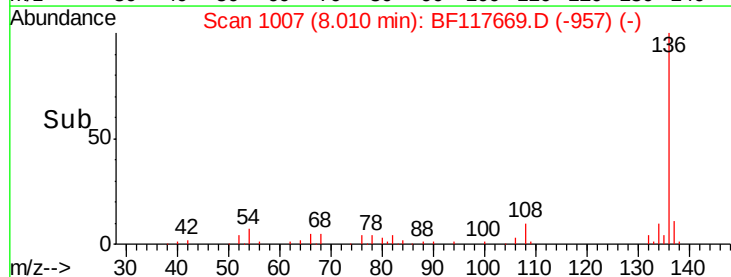
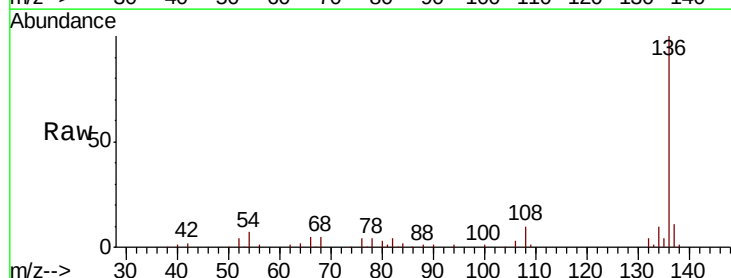
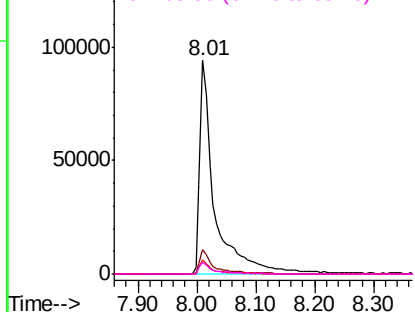
Abundance

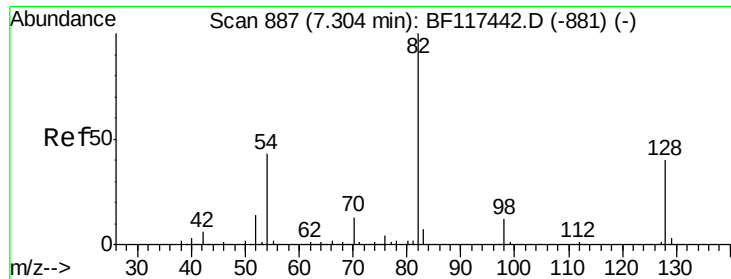
Ion 136.00 (135.70 to 136.70): E

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





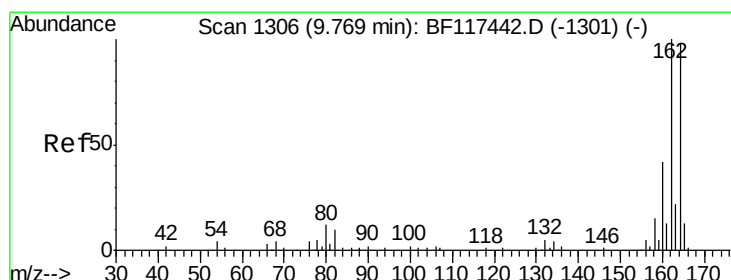
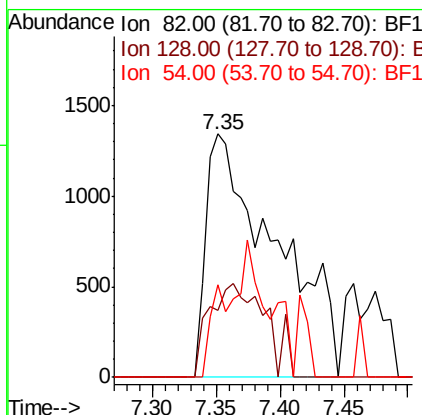
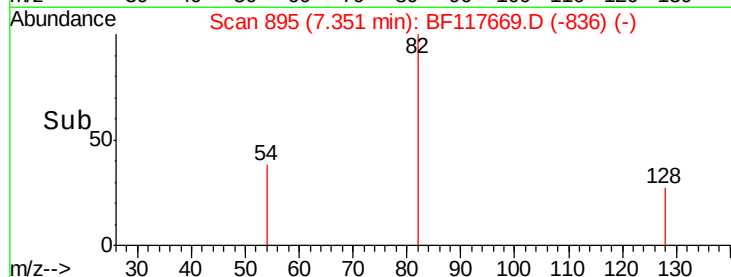
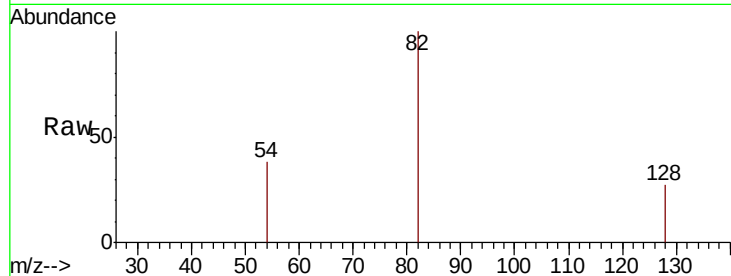
#23
Nitrobenzene-d5
Concen: 1.516 ng m
RT: 7.35 min Scan# 895
Delta R.T. 0.05 min
Lab File: BF117669.D
Acq: 31 Oct 2019 20:13

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	27.5	32.2	48.2#
54	38.3	34.2	51.2

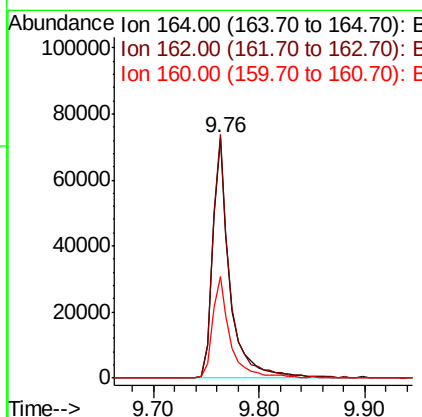
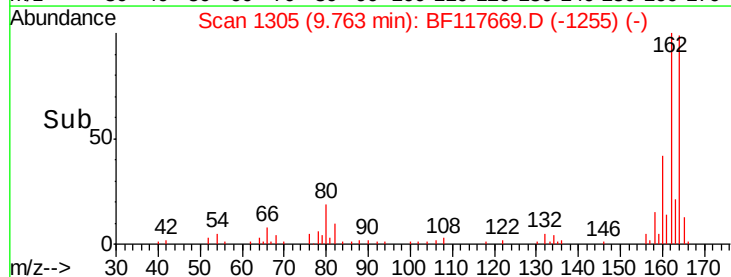
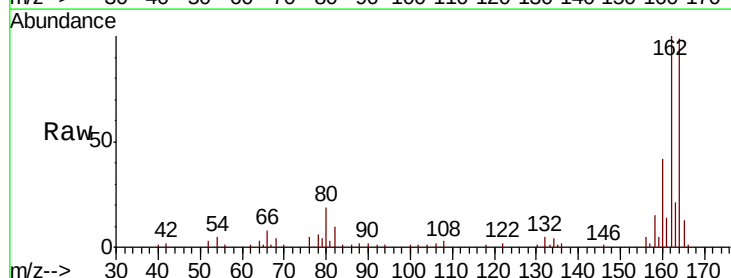
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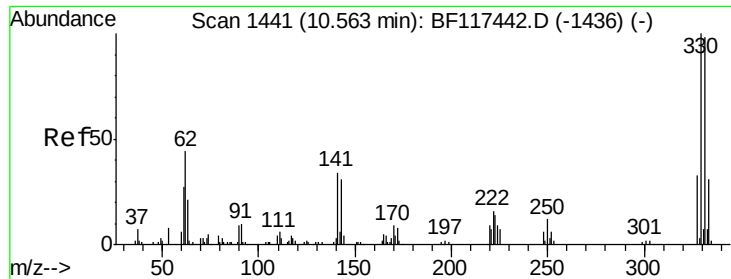
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117669.D
Acq: 31 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.8	122.6
160	42.2	34.4	51.6





#42

2,4,6-Tribromophenol

Concen: 2.386 ng

RT: 10.57 min Scan# 1443

Delta R.T. 0.01 min

Lab File: BF117669.D

Acq: 31 Oct 2019 20:13

Instrument :

BNA_F

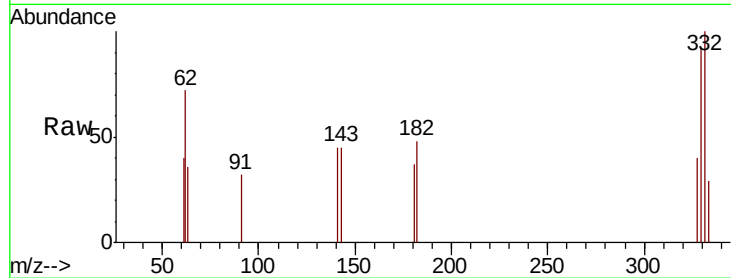
ClientSampleId :

CSA-2-1-3DL

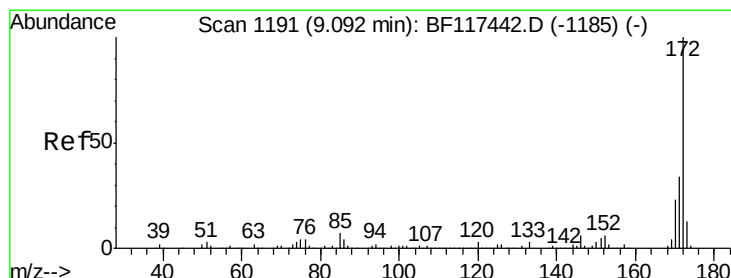
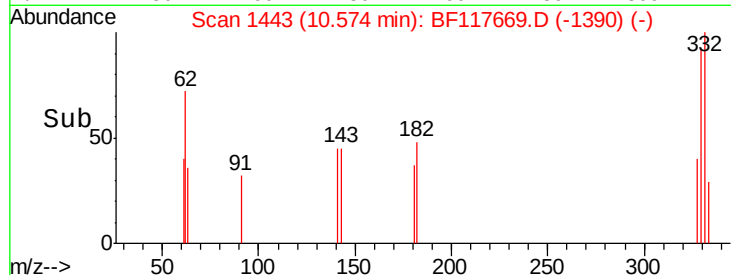
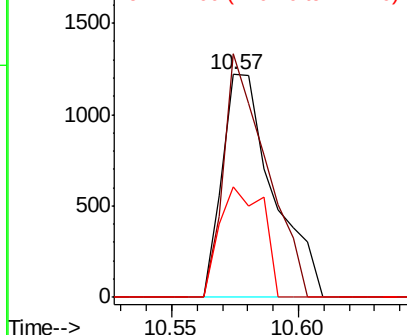
Tot Ion:	330	Resp:	1712
Ion Ratio	Lower	Upper	
330	100		
332	91.5	78.5	117.7
141	42.4	37.0	55.6

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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: 2.219 ng

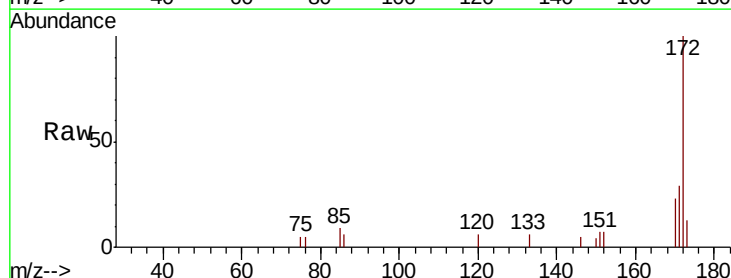
RT: 9.09 min Scan# 1191

Delta R.T. -0.00 min

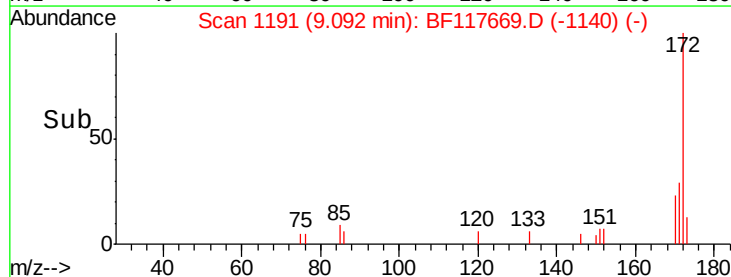
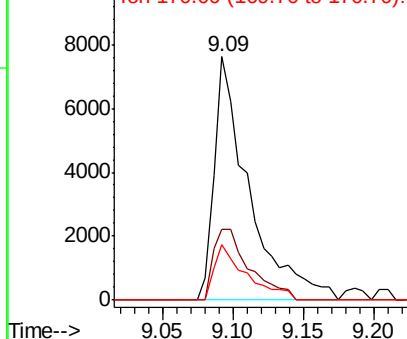
Lab File: BF117669.D

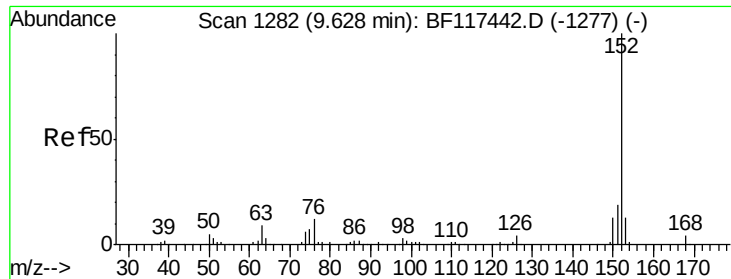
Acq: 31 Oct 2019 20:13

Tgt Ion:	172	Resp:	13060
Ion Ratio	Lower	Upper	
172	100		
171	29.0	27.5	41.3
170	23.0	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: 2.791 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.00 min

Lab File: BF117669.D

Acq: 31 Oct 2019 20:13

Instrument :

BNA_F

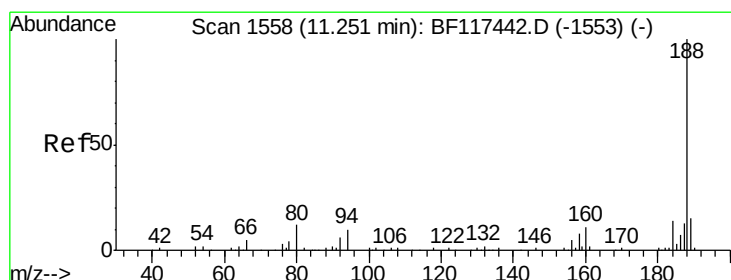
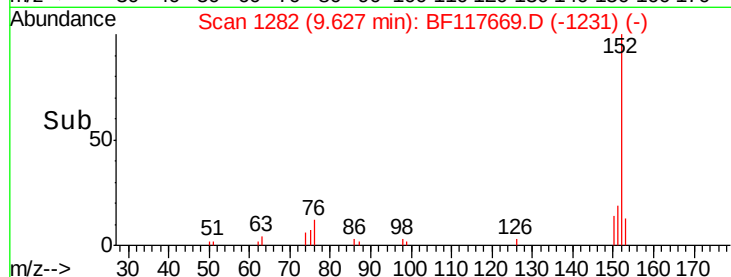
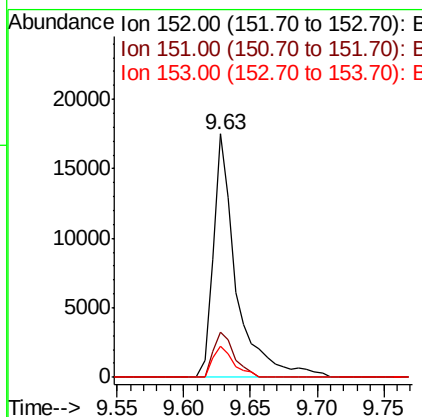
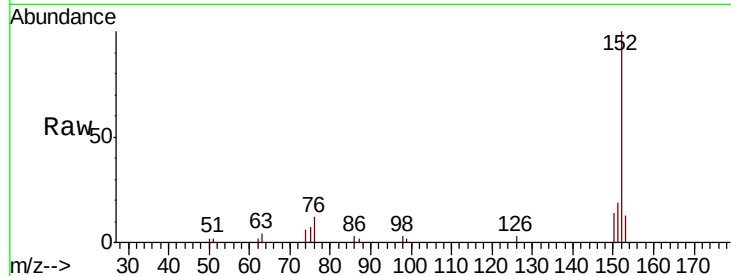
ClientSampleId :

CSA-2-1-3DL

Tot Ion:	152	Resp:	21219
Ion Ratio	Lower	Upper	
152	100		
151	18.7	15.4	23.0
153	12.7	10.3	15.5

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#64

Phenanthrene-d10

Concen: 20.000 ng

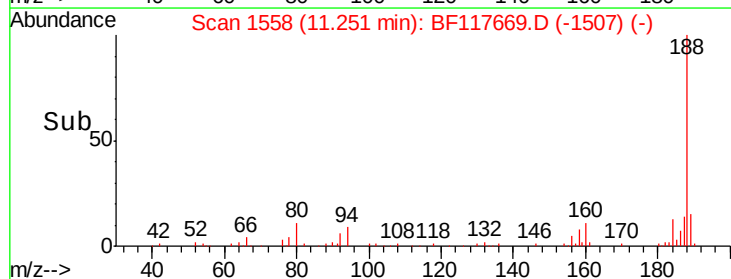
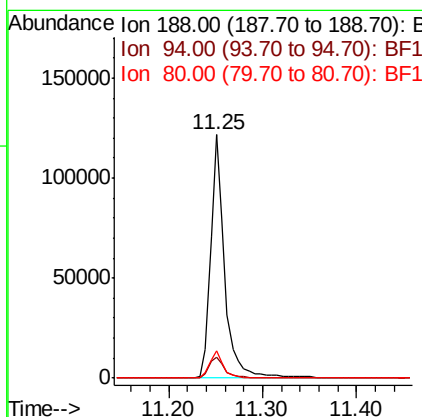
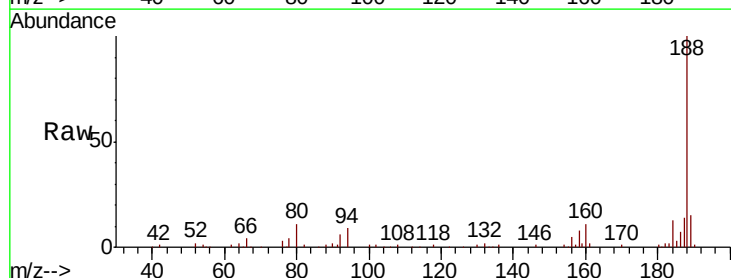
RT: 11.25 min Scan# 1558

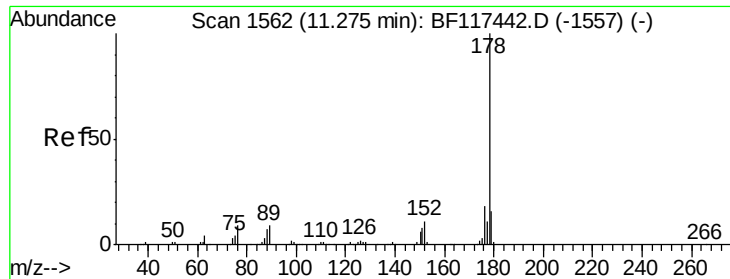
Delta R.T. -0.00 min

Lab File: BF117669.D

Acq: 31 Oct 2019 20:13

Tgt Ion:	188	Resp:	127890
Ion Ratio	Lower	Upper	
188	100		
94	8.6	8.0	12.0
80	11.5	9.5	14.3





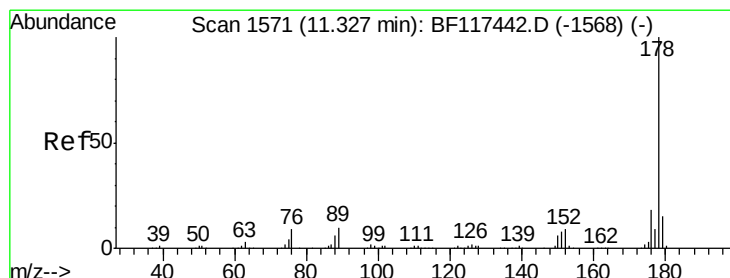
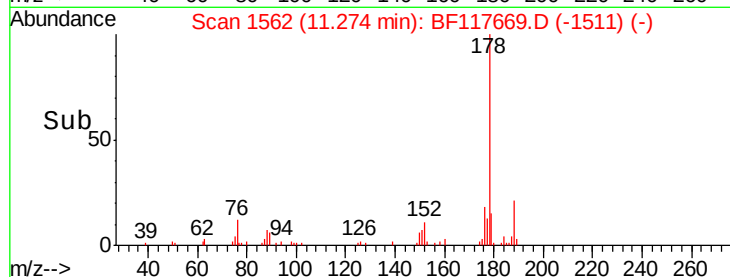
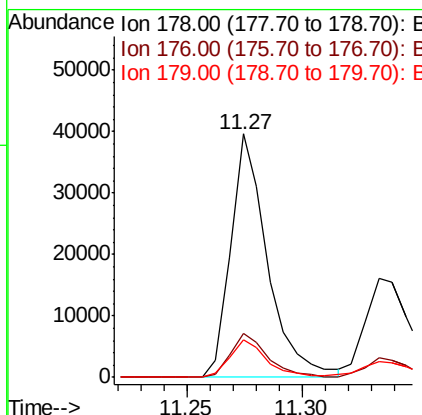
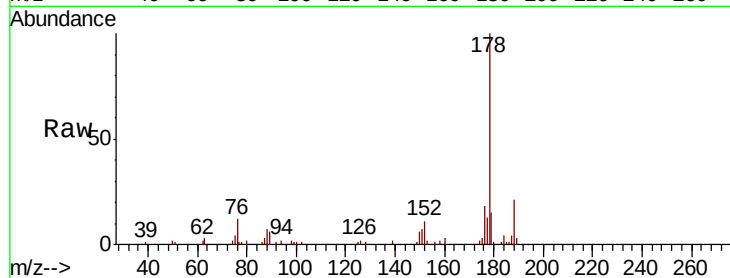
#71
Phenanthrene
Concen: 5.919 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117669.D
Acq: 31 Oct 2019 20:13

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	22.0
179	15.3	12.6	19.0

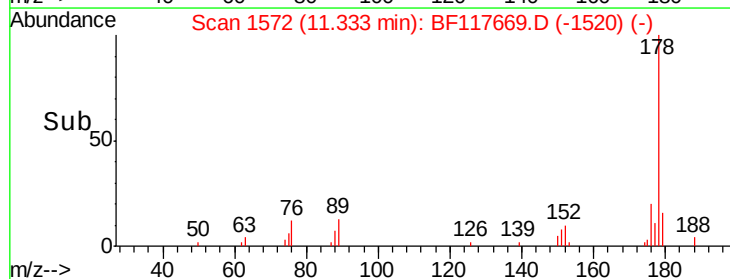
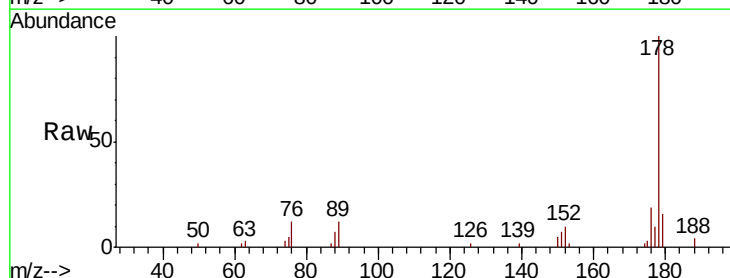
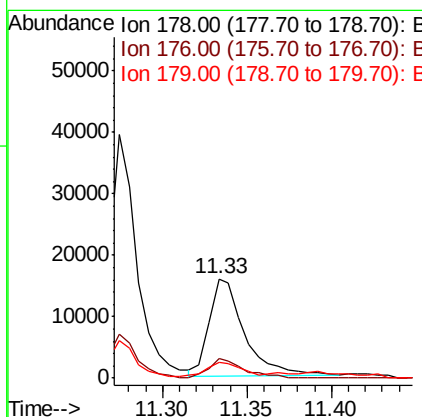
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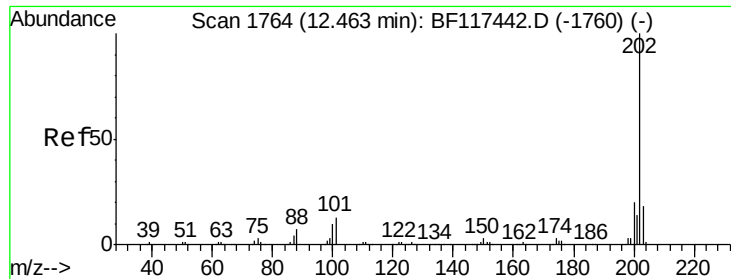
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#72
Anthracene
Concen: 3.026 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF117669.D
Acq: 31 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.7	22.1
179	15.6	12.2	18.2





#75

Fluoranthene

Concen: 23.059 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117669.D

Acq: 31 Oct 2019 20:13

Instrument :

BNA_F

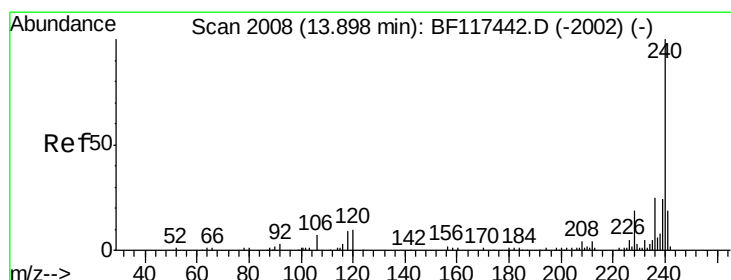
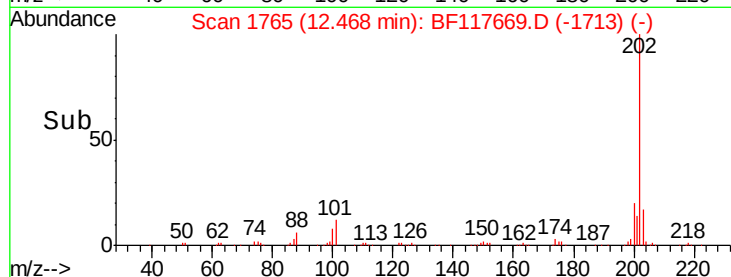
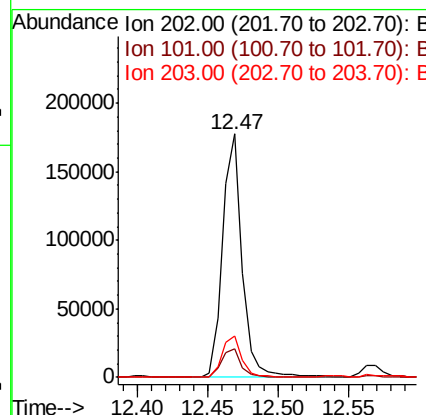
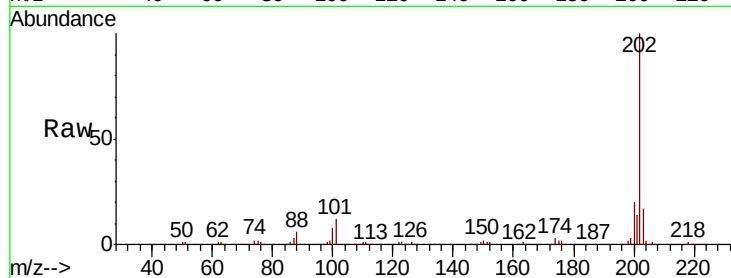
ClientSampleId :

CSA-2-1-3DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	171421		
101	11.5	0.0	32.7	
203	17.1	0.0	37.6	

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

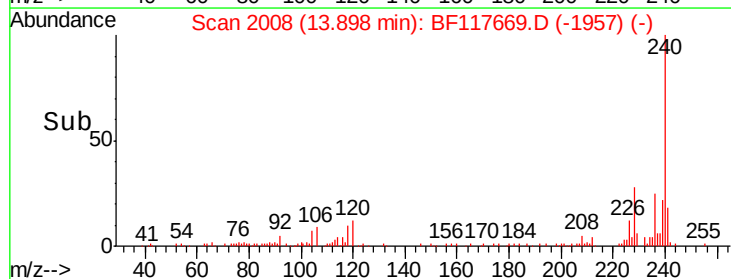
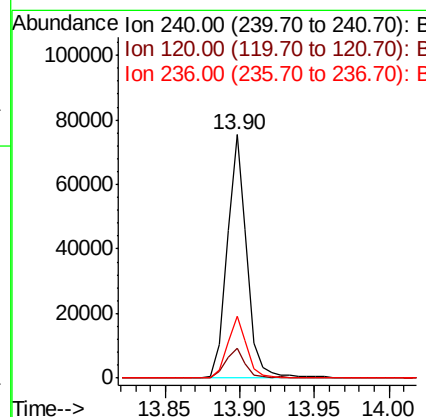
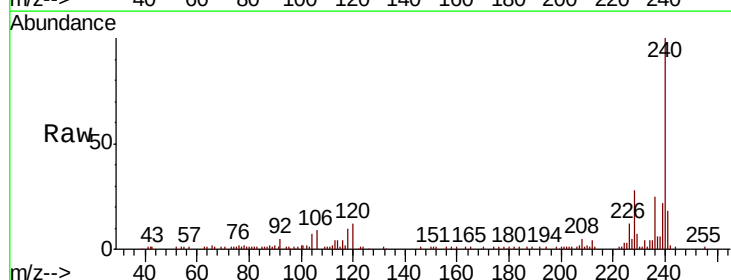
RT: 13.90 min Scan# 2008

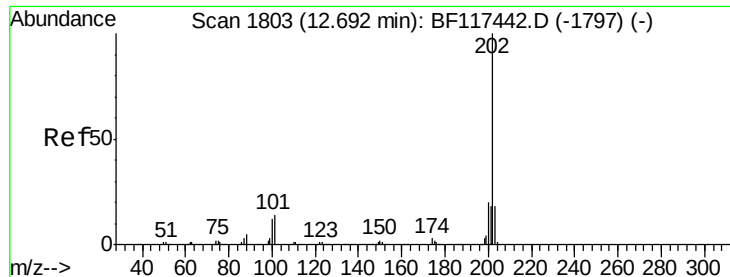
Delta R.T. -0.00 min

Lab File: BF117669.D

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Tgt Ion	Ratio	Resp	Lower	Upper
240	100	69883		
120	12.2	8.4	12.6	
236	25.3	20.0	30.0	





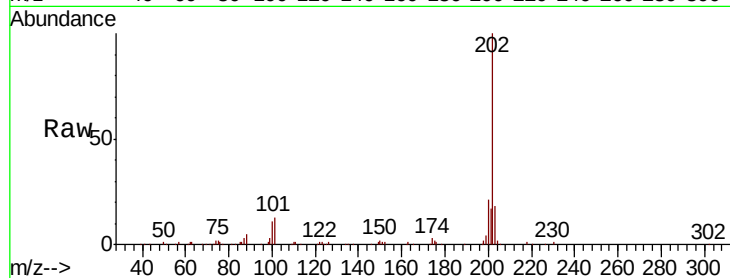
#78
Pvrene
Concen: 23.839 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117669.D
Acq: 31 Oct 2019 20:13

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	16.2	24.2
203	17.8	14.0	21.0

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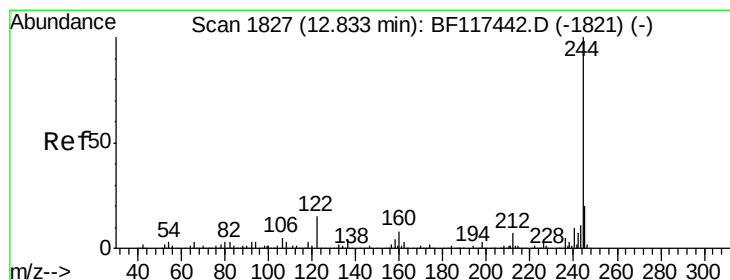
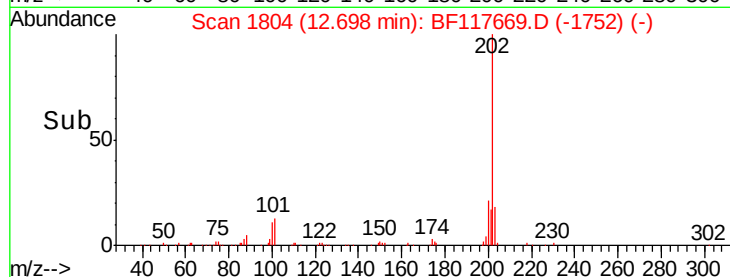
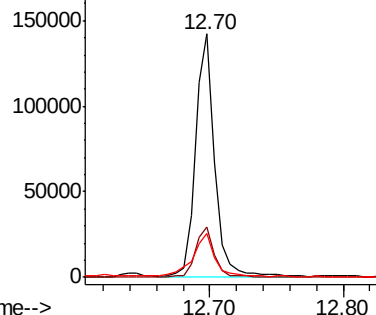


Abundance

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: 2.729 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117669.D
Acq: 31 Oct 2019 20:13

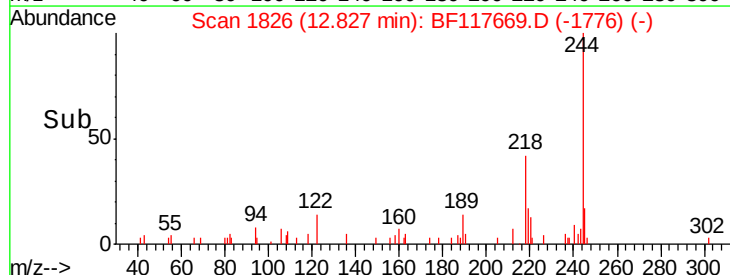
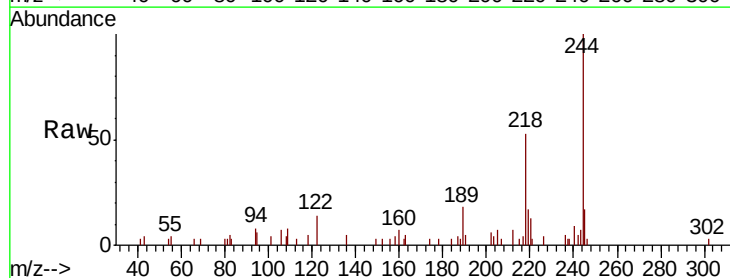
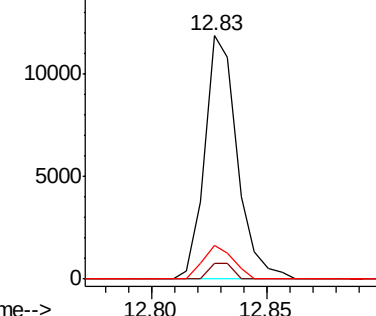
Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.8	8.6
122	13.9	11.8	17.8

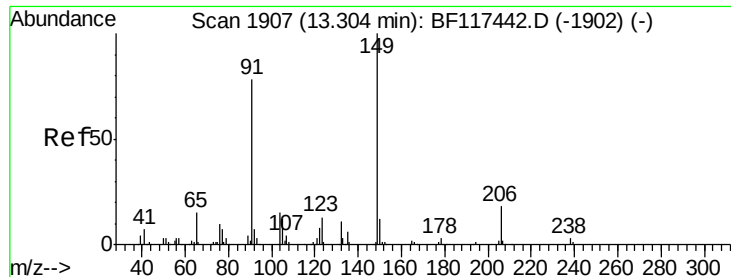
Abundance

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





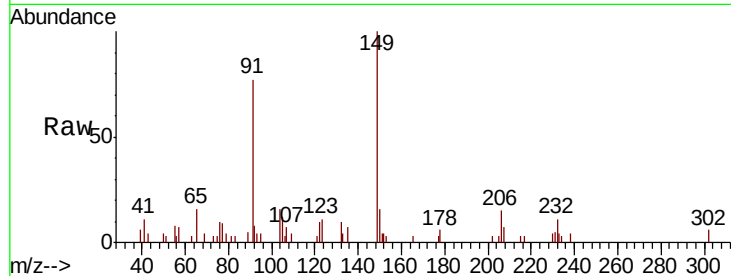
#80
Butylbenzylphthalate
Concen: 3.317 ng
RT: 13.30 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BF117669.D
Acq: 31 Oct 2019 20:13

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

Tot Ion	Ratio	Lower	Upper
149	100		
91	77.0	62.1	93.1
206	15.5	14.3	21.5

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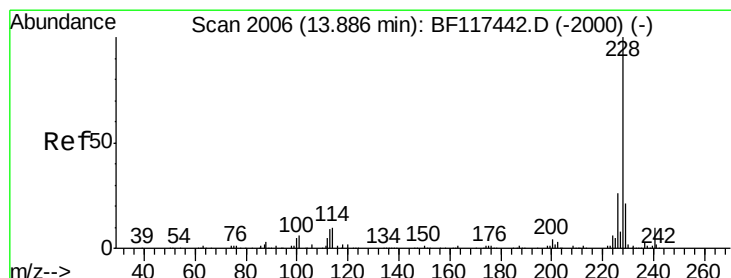
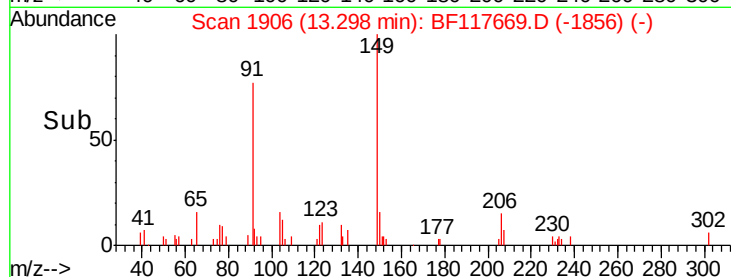
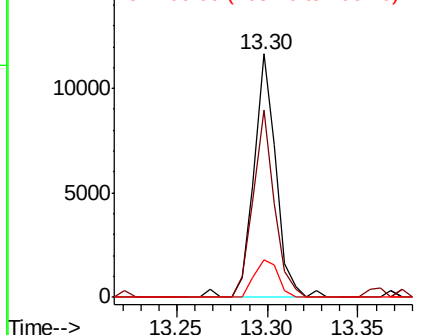


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E



#81
Benzo(a)anthracene
Concen: 16.392 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117669.D
Acq: 31 Oct 2019 20:13

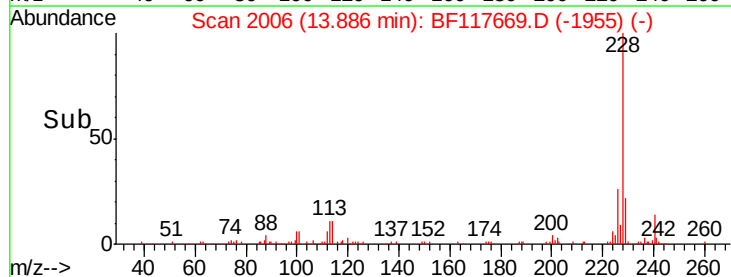
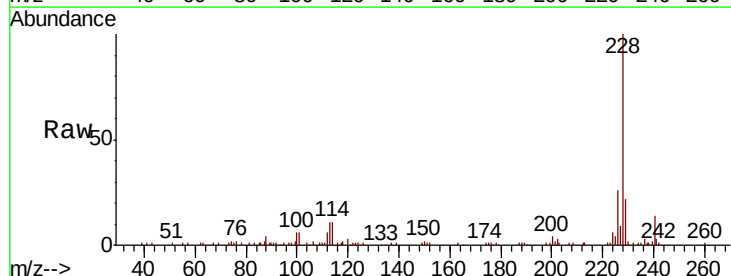
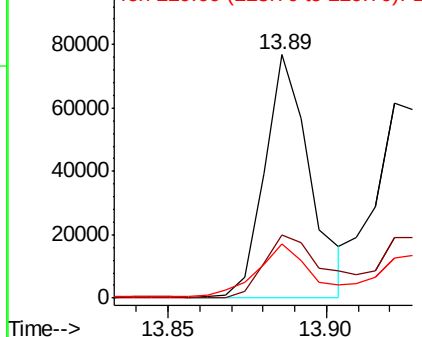
Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.8	21.0	31.4
229	22.2	16.4	24.6

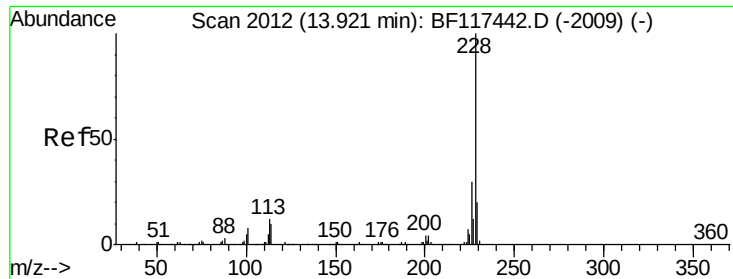
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 16.242 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BF117669.D

Acq: 31 Oct 2019 20:13

Instrument :

BNA_F

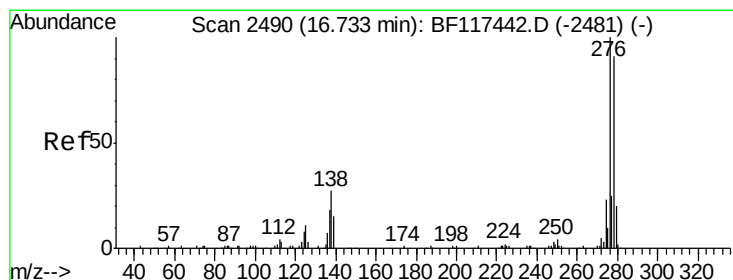
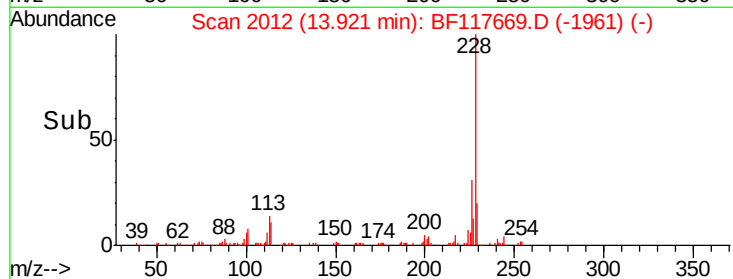
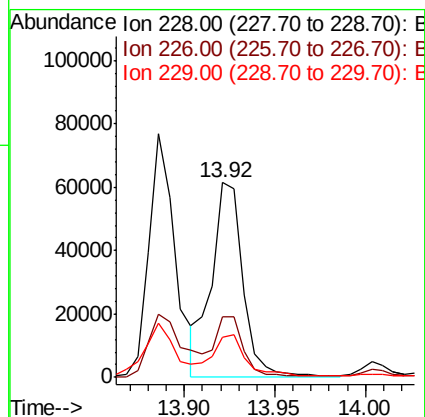
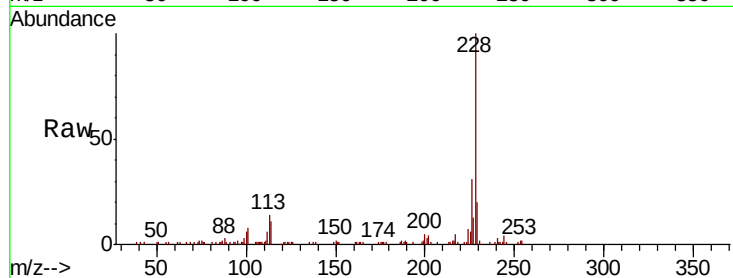
ClientSampled :

CSA-2-1-3DL

Tot Ion:	228	Resp:	75037
Ion Ratio	Lower	Upper	
228	100		
226	31.2	23.9	35.9
229	20.4	15.8	23.6

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#86

Indeno(1,2,3-cd)pyrene

Concen: 9.219 ng

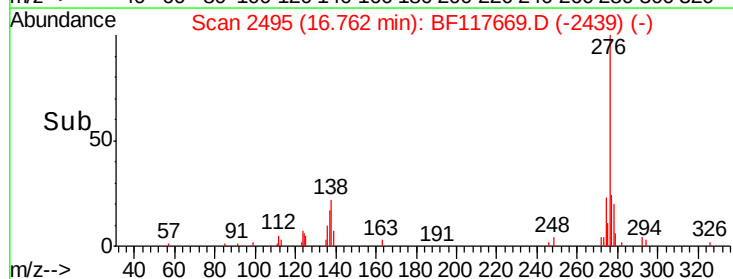
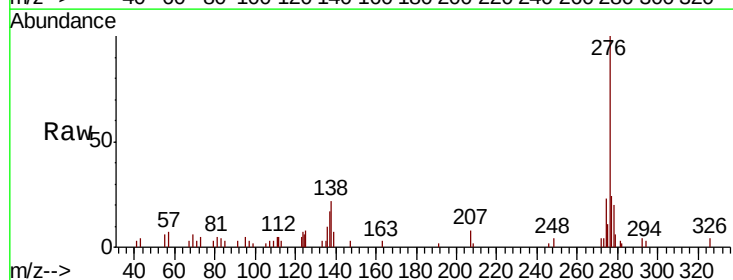
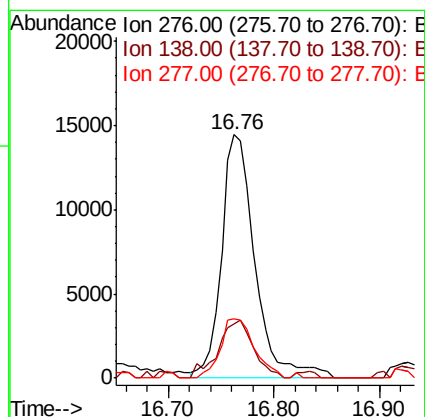
RT: 16.76 min Scan# 2495

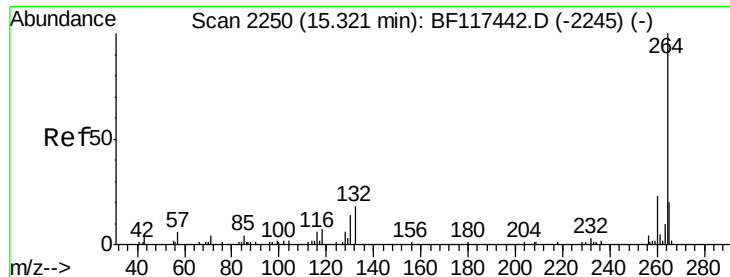
Delta R.T. 0.03 min

Lab File: BF117669.D

Acq: 31 Oct 2019 20:13

Tgt Ion:	276	Resp:	31798
Ion Ratio	Lower	Upper	
276	100		
138	24.9	21.8	32.8
277	24.6	20.0	30.0





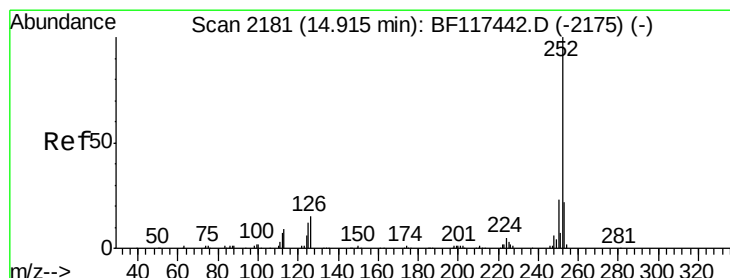
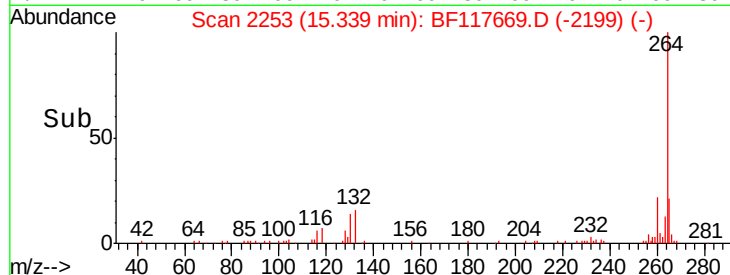
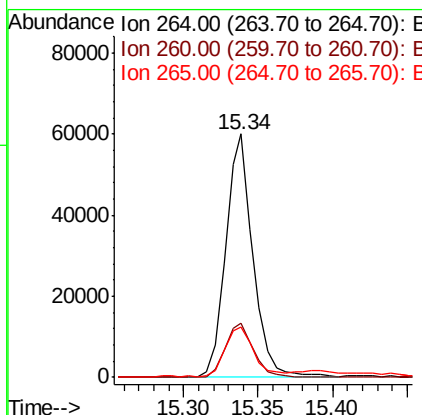
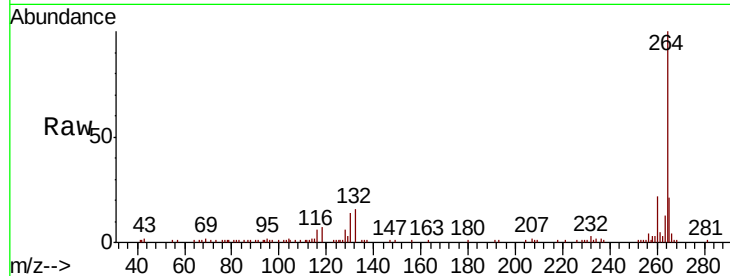
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.02 min
Lab File: BF117669.D
Acq: 31 Oct 2019 20:13

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.4	27.6
265	20.7	16.1	24.1

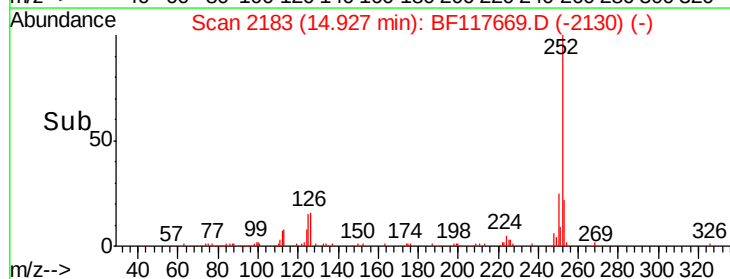
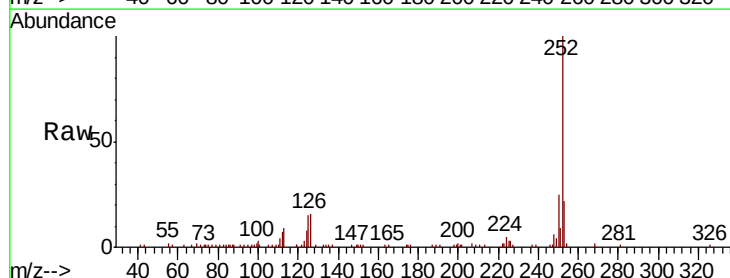
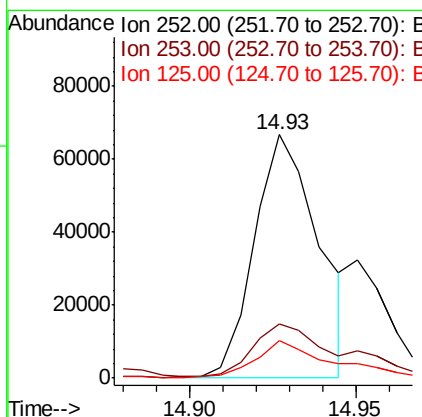
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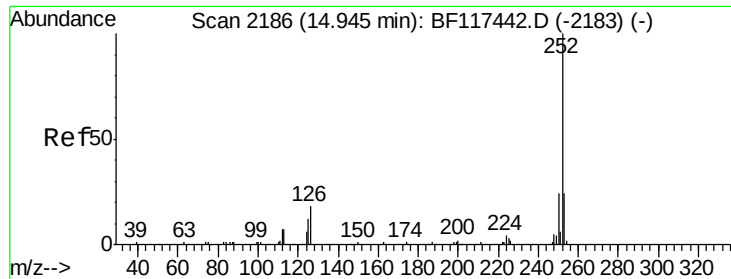
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#88
Benzo(b)fluoranthene
Concen: 19.901 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117669.D
Acq: 31 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	15.5	9.9	14.9#





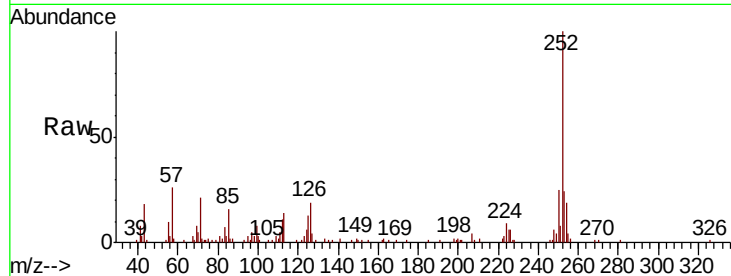
#89
Benzo(k)fluoranthene
Concen: 5.940 ng m
RT: 14.95 min Scan# 2187
Delta R.T. 0.01 min
Lab File: BF117669.D
Acq: 31 Oct 2019 20:13

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	12.6	8.9	13.3

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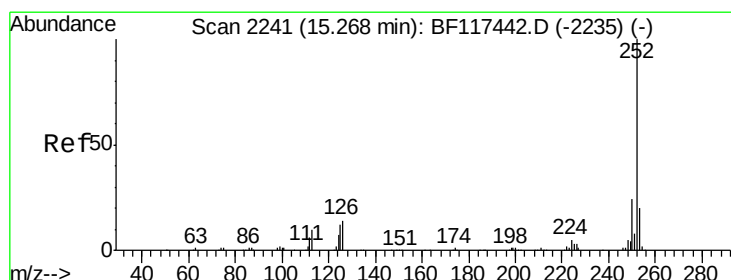
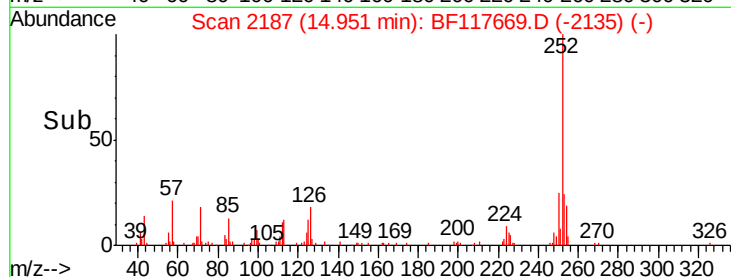
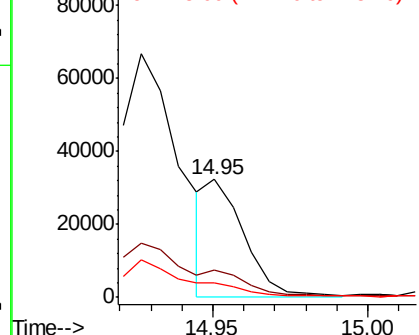


Abundance

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: 12.001 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117669.D
Acq: 31 Oct 2019 20:13

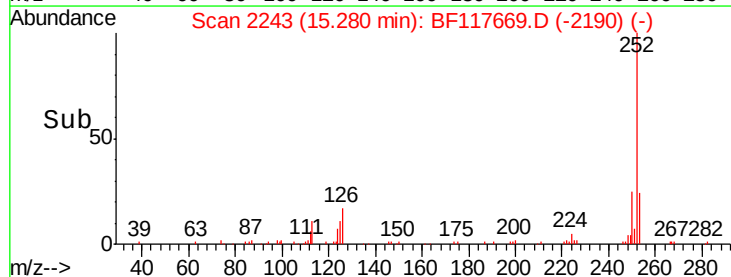
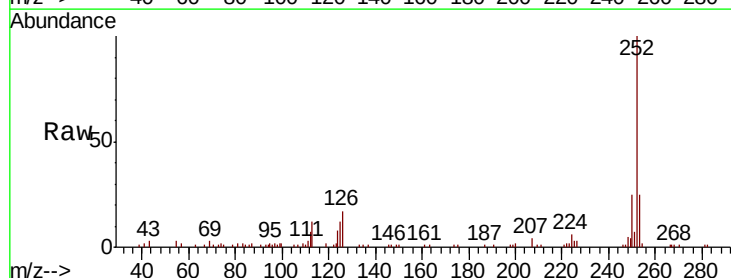
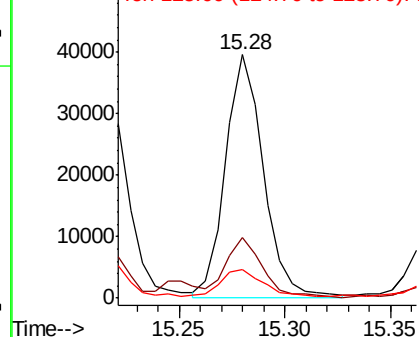
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	16.3	24.5#
125	11.7	9.2	13.8

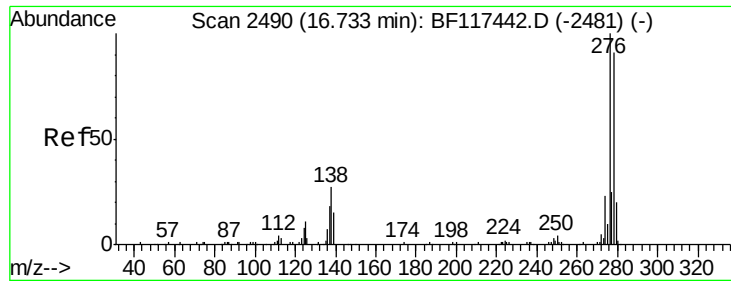
Abundance

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





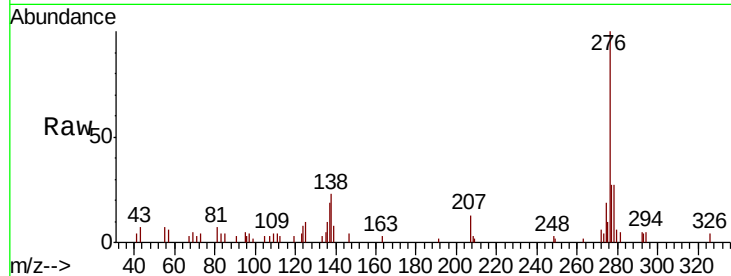
#91
Dibenzo(a,h)anthracene
Concen: 2.127 ng m
RT: 16.76 min Scan# 2494
Delta R.T. 0.02 min
Lab File: BF117669.D
Acq: 31 Oct 2019 20:13

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

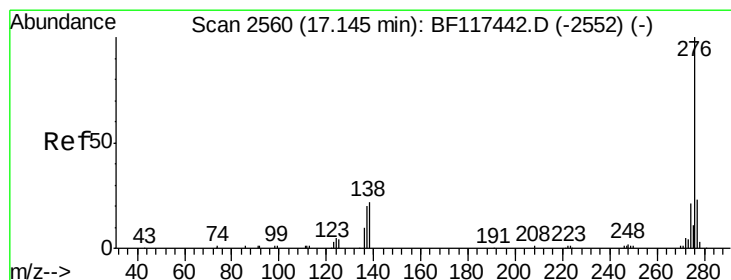
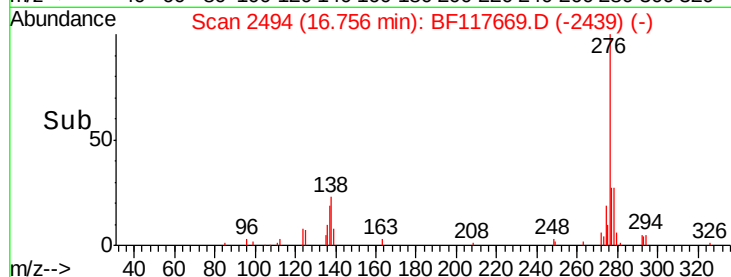
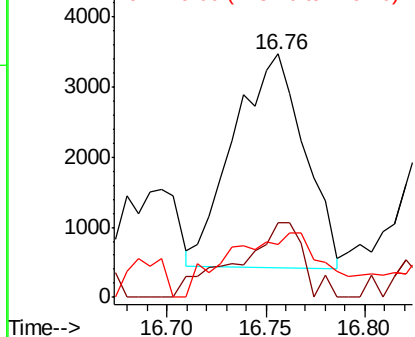
Tot Ion	Ratio	Lower	Upper
278	100		
139	30.6	13.4	20.0#
279	21.8	17.8	26.6

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 7.590 ng
RT: 17.20 min Scan# 2570
Delta R.T. 0.06 min
Lab File: BF117669.D
Acq: 31 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.4	27.6
138	24.8	17.8	26.6

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

