

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\
 Data File : BF117667.D
 Acq On : 31 Oct 2019 19:19
 Operator : JU
 Sample : K5576-17DL 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 11/1/2019 12:34:42 PM

Quant Time: Nov 01 02:07:12 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	42453	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	173268	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	78771	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	102449	20.00	ng	0.00
76) Chrysene-d12	13.90	240	75578	20.00	ng	0.00
87) Perylene-d12	15.34	264	68238	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	102365	35.87	ng	0.01
7) Phenol-d6	6.39	99	152117	39.69	ng	0.01
23) Nitrobenzene-d5	7.30	82	94270	26.86	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	20282	29.76	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	152549	27.29	ng	-0.01
79) Terphenyl-d14	12.83	244	107588	23.22	ng	0.00

Target Compounds

						Qvalue
49) Acenaphthylene	9.63	152	63521	8.795	ng	99
50) Dimethylphthalate	9.49	163	18176	3.237	ng	99
71) Phenanthrene	11.27	178	154779	26.018	ng	99
72) Anthracene	11.33	178	56781	9.302	ng	98
73) Carbazole	11.50	167	22219	3.983	ng	99
75) Fluoranthene	12.47	202	329098	55.262	ng	100
78) Pyrene	12.70	202	287281	44.253	ng	99
81) Benzo(a)anthracene	13.89	228	148189	29.068	ng	95
83) Chrysene	13.93	228	156122	31.247	ng	97
84) Bis(2-ethylhexyl)phthalate	13.86	149	10819	2.391	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.77	276	64336	17.247	ng	95
88) Benzo(b)fluoranthene	14.93	252	183910m	45.640	ng	
89) Benzo(k)fluoranthene	14.95	252	65245m	15.798	ng	
90) Benzo(a)pyrene	15.29	252	106065	28.950	ng	96
91) Dibenzo(a,h)anthracene	16.76	278	14428	4.554	ng	# 75
92) Benzo(g,h,i)perylene	17.20	276	54827	18.292	ng	95

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

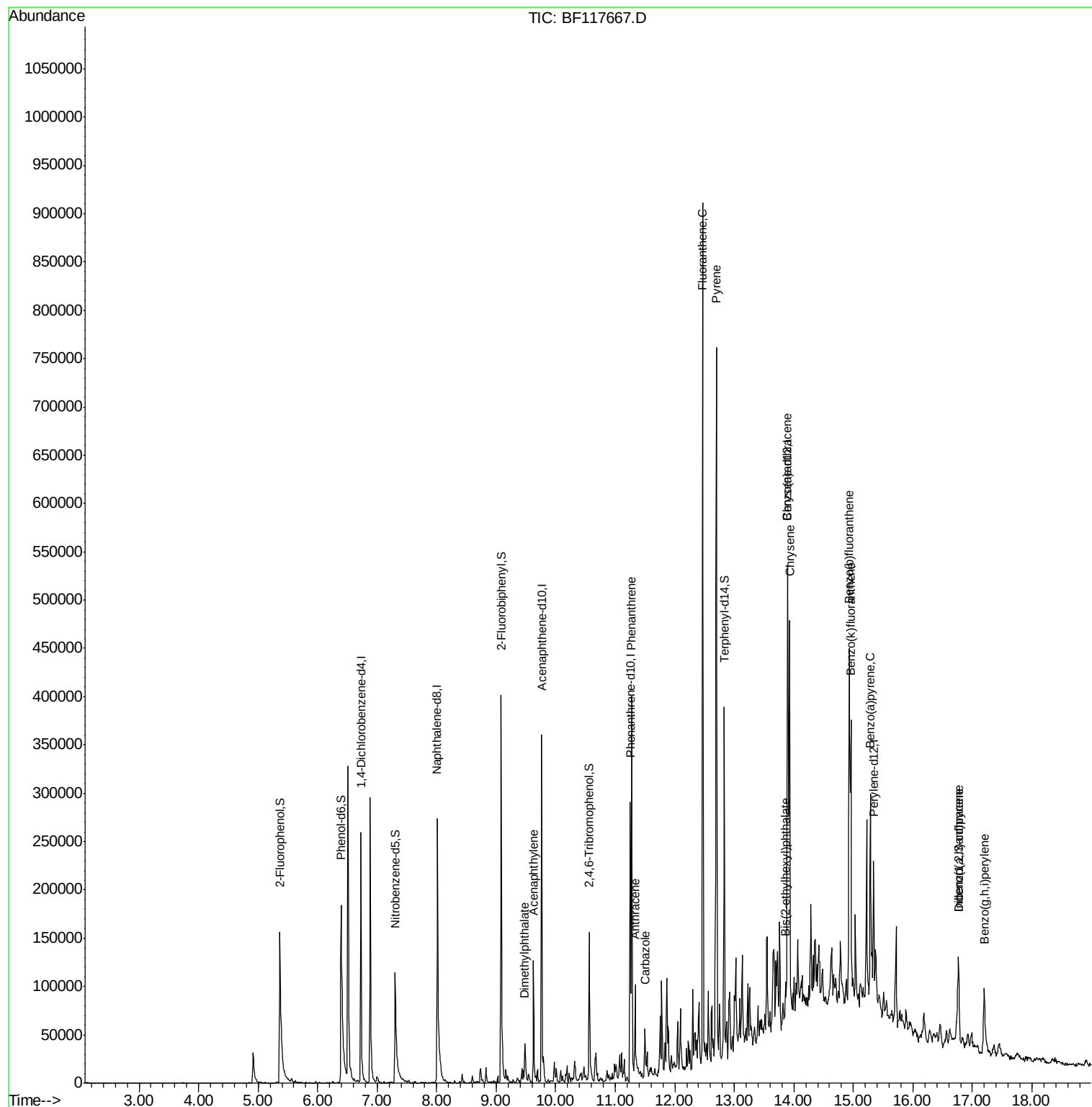
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\
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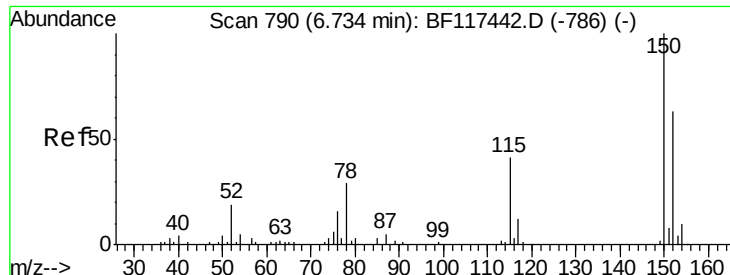
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
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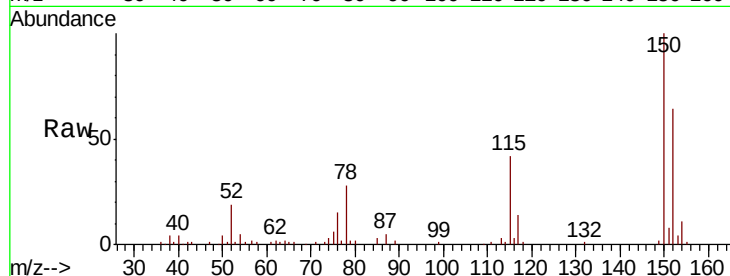
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF117667.D
 Acq: 31 Oct 2019 19:19

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.8	190.2
115	64.6	51.6	77.4

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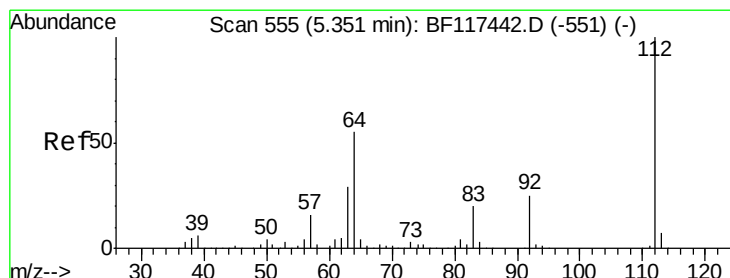
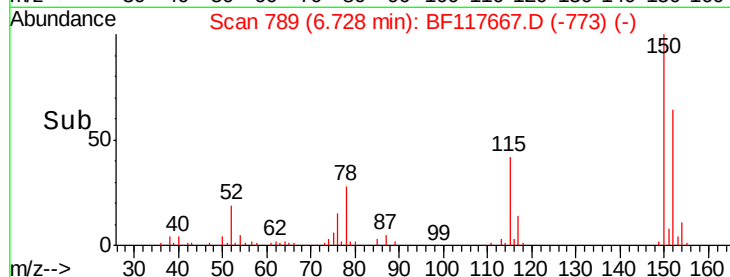
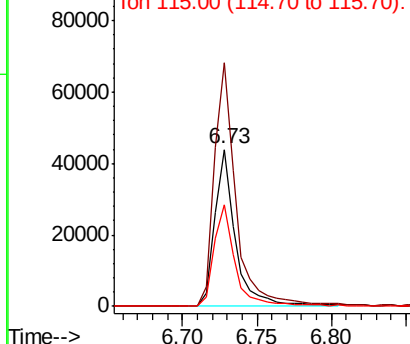


Abundance

Ion 152.00 (151.70 to 152.70): E

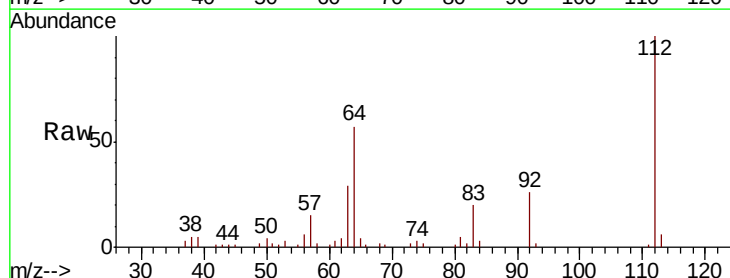
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 35.872 ng
 RT: 5.36 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: BF117667.D
 Acq: 31 Oct 2019 19:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	44.1	66.1
63	29.3	23.4	35.2

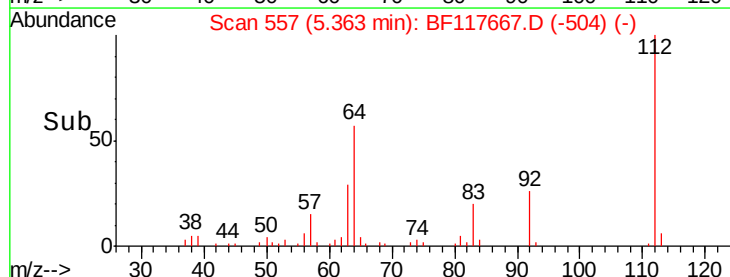
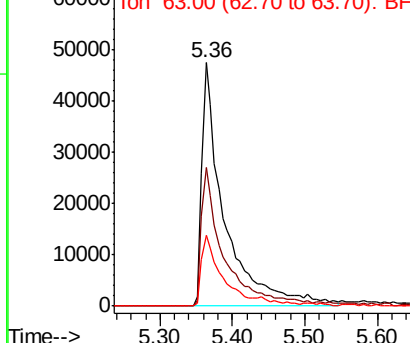


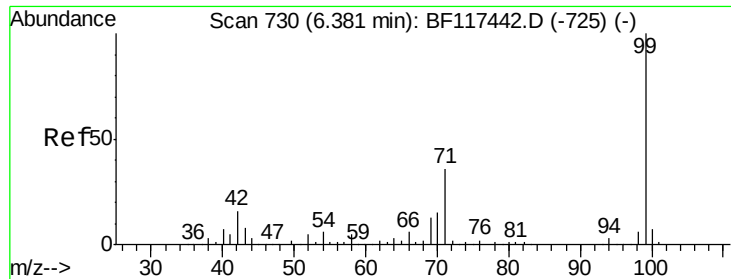
Abundance

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: 39.689 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF117667.D

Acq: 31 Oct 2019 19:19

Instrument :

BNA_F

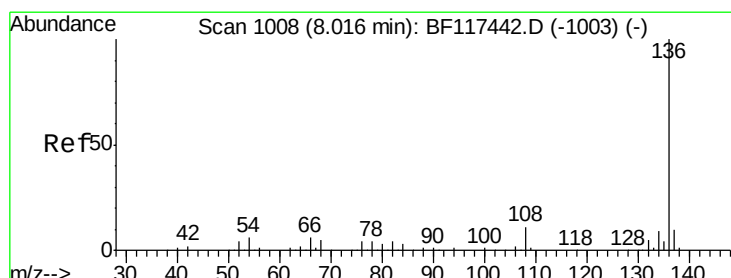
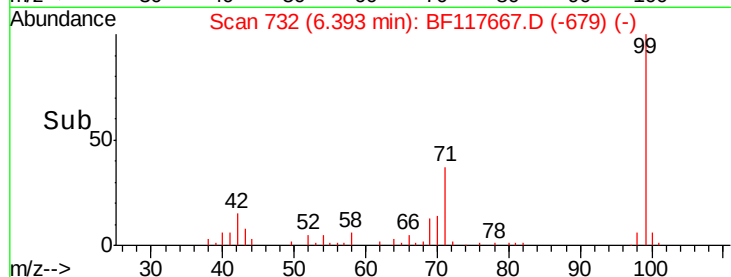
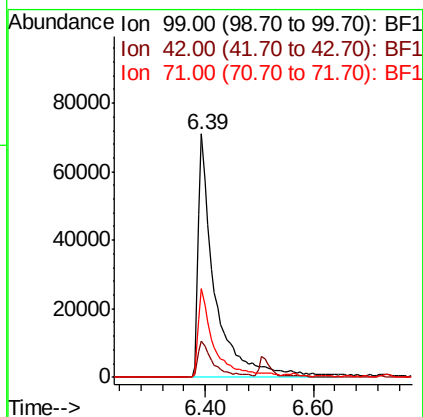
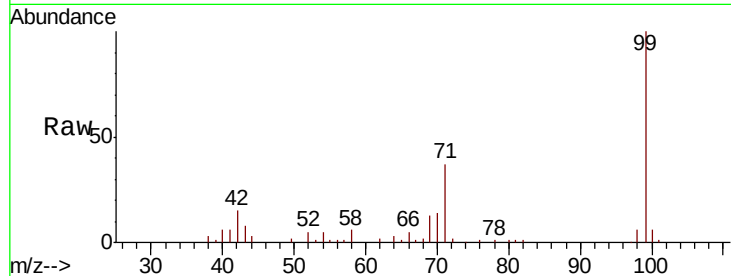
ClientSampleId :

CSA-2-1-6DL

Tot Ion:	99	Resp:	152117
Ion Ratio	Lower	Upper	
99	100		
42	14.7	12.8	19.2
71	36.5	28.6	43.0

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#21

Naphthalene-d8

Concen: 20.000 ng

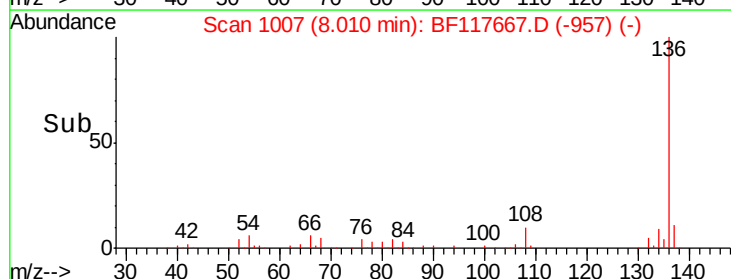
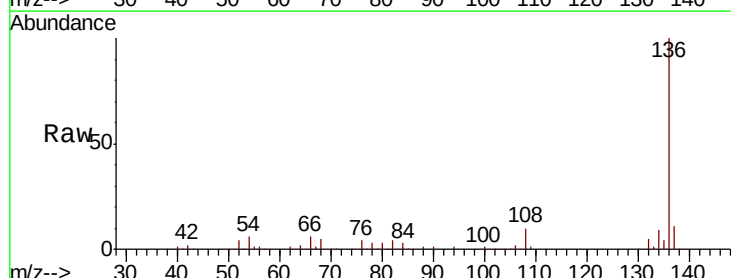
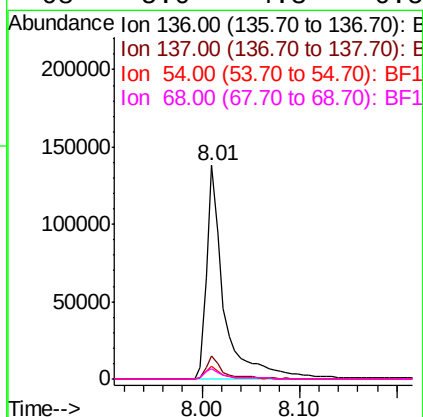
RT: 8.01 min Scan# 1007

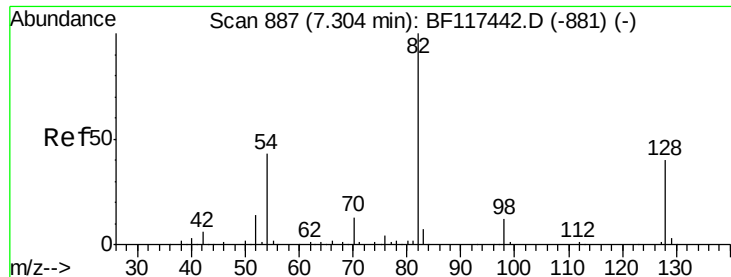
Delta R.T. -0.01 min

Lab File: BF117667.D

Acq: 31 Oct 2019 19:19

Tgt Ion:	136	Resp:	173268
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.2	12.4
54	5.9	4.5	6.7
68	5.0	4.3	6.5





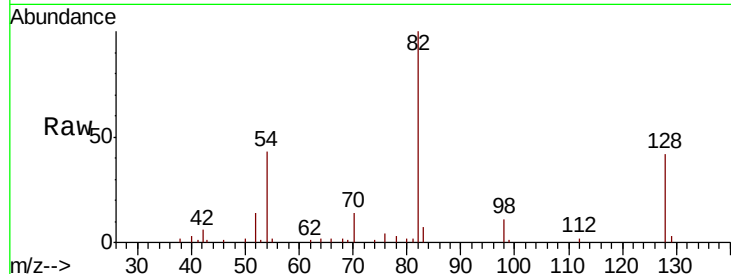
#23
Nitrobenzene-d5
Concen: 26.860 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117667.D
Acq: 31 Oct 2019 19:19

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

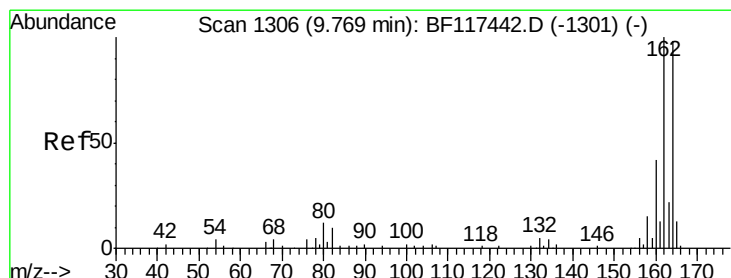
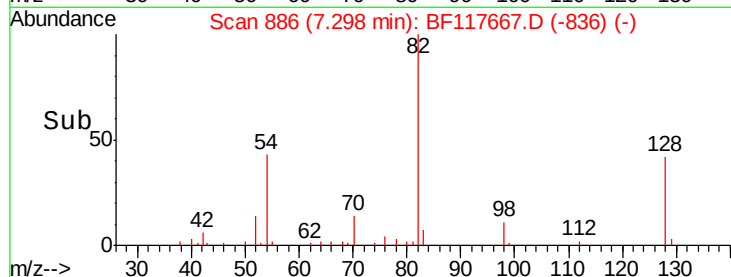
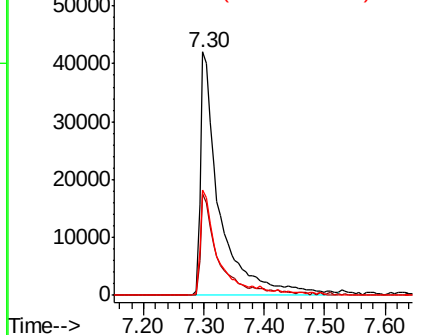
Tot Ion	82	Resp	94270
Ion Ratio	100	Lower	Upper
128	41.9	32.2	48.2
54	43.4	34.2	51.2

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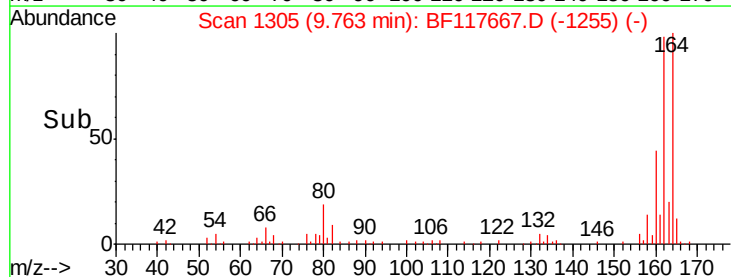
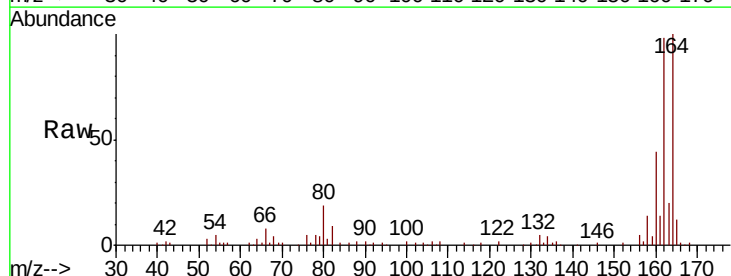
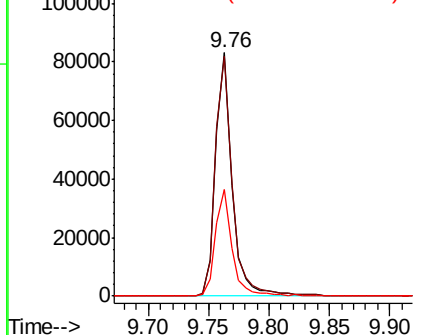
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

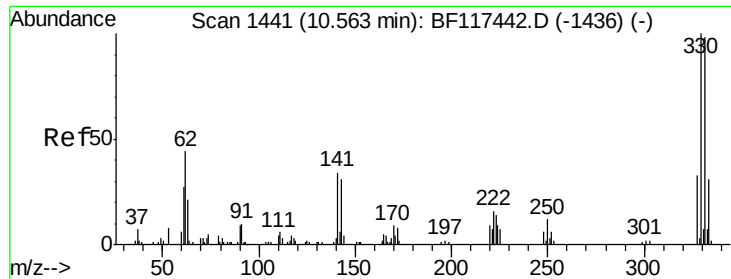


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117667.D
Acq: 31 Oct 2019 19:19

Tgt Ion	164	Resp	78771
Ion Ratio	100	Lower	Upper
162	98.2	81.8	122.6
160	43.7	34.4	51.6

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 29.758 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.00 min

Lab File: BF117667.D

Acq: 31 Oct 2019 19:19

Instrument :

BNA_F

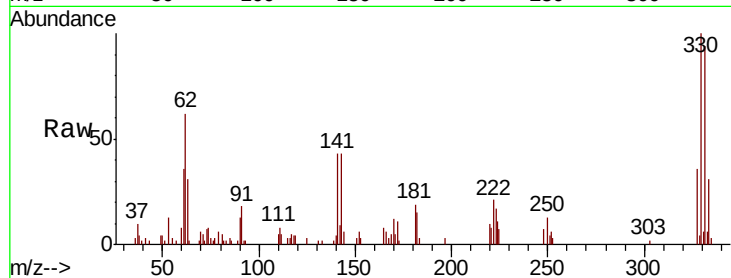
ClientSampleId :

CSA-2-1-6DL

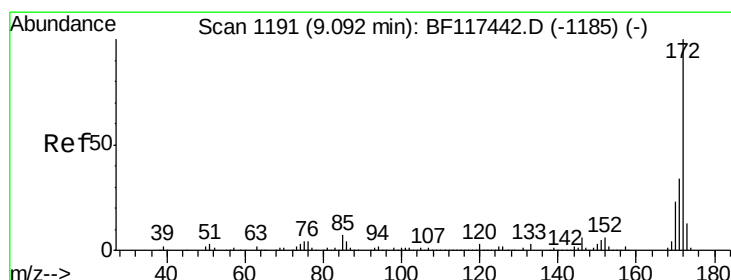
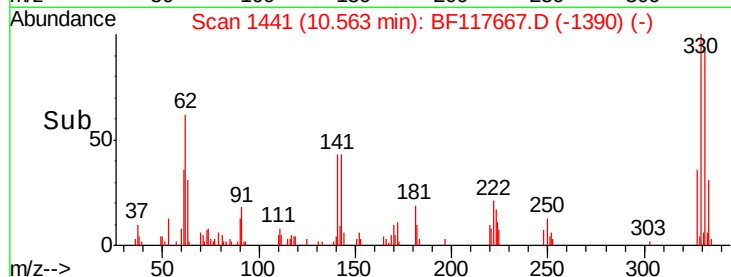
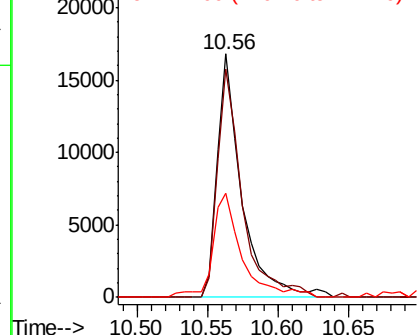
Tot Ion:	330	Resp:	20282
Ion Ratio	Lower	Upper	
330	100		
332	94.5	78.5	117.7
141	50.6	37.0	55.6

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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: 27.287 ng

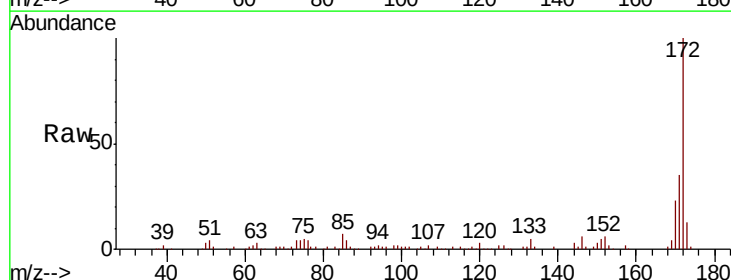
RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

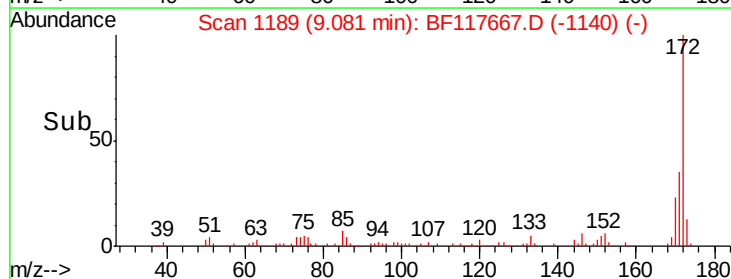
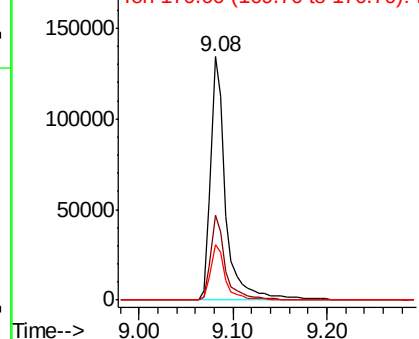
Lab File: BF117667.D

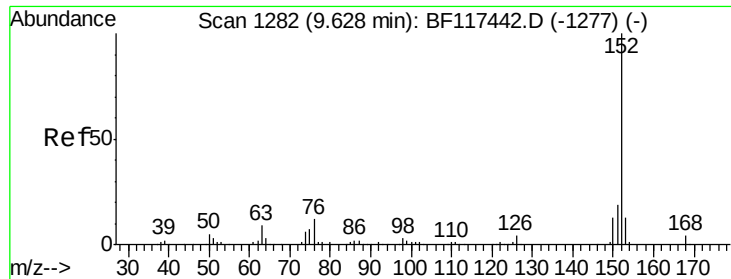
Acq: 31 Oct 2019 19:19

Tgt Ion:	172	Resp:	152549
Ion Ratio	Lower	Upper	
172	100		
171	35.0	27.5	41.3
170	22.8	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: 8.795 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.00 min

Lab File: BF117667.D

Acq: 31 Oct 2019 19:19

Instrument :

BNA_F

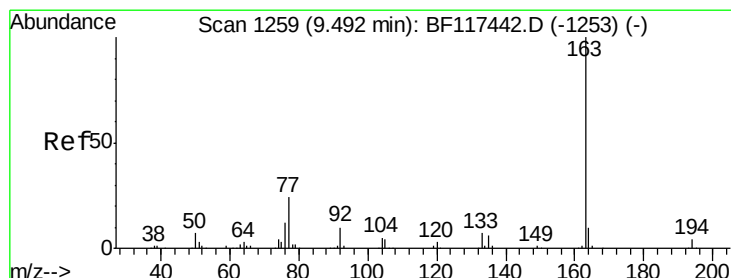
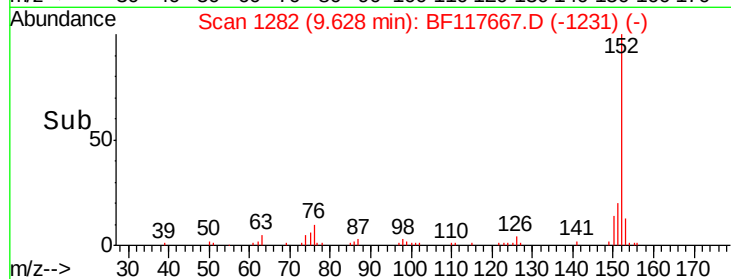
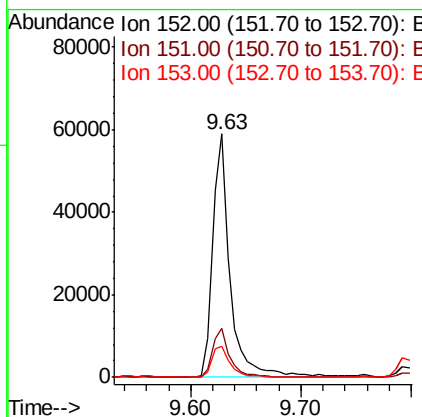
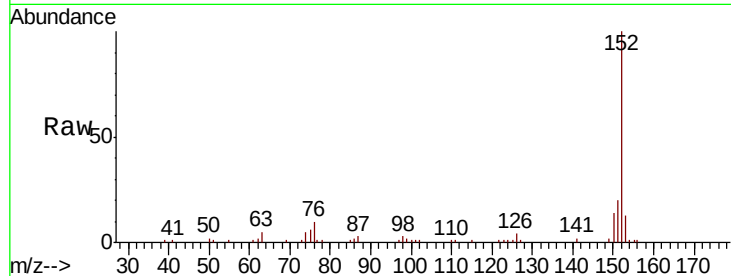
ClientSampleId :

CSA-2-1-6DL

Tot Ion:	152	Resp:	63521
Ion Ratio	Lower	Upper	
152	100		
151	20.0	15.4	23.0
153	12.9	10.3	15.5

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#50

Dimethylphthalate

Concen: 3.237 ng

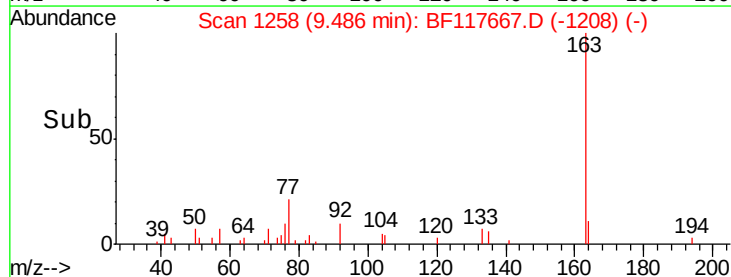
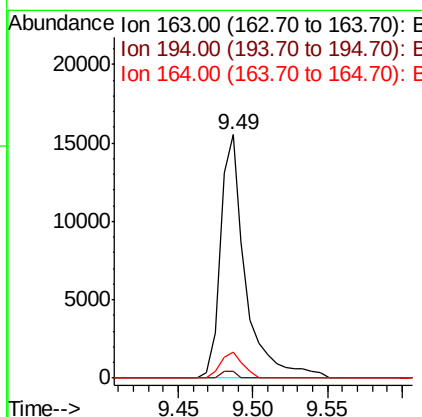
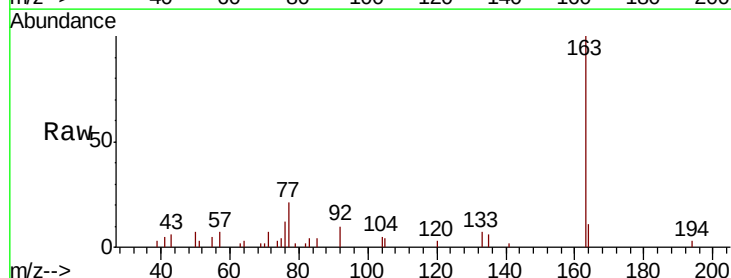
RT: 9.49 min Scan# 1258

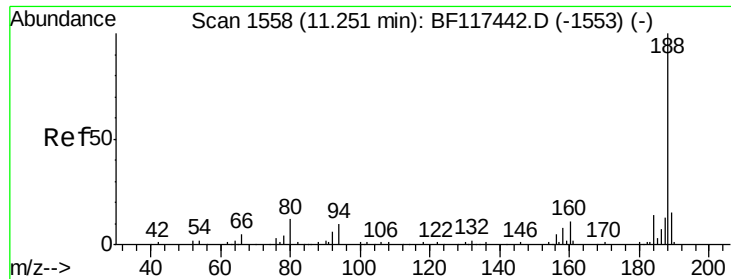
Delta R.T. -0.01 min

Lab File: BF117667.D

Acq: 31 Oct 2019 19:19

Tgt Ion:	163	Resp:	18176
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.9	4.3
164	10.6	8.2	12.2





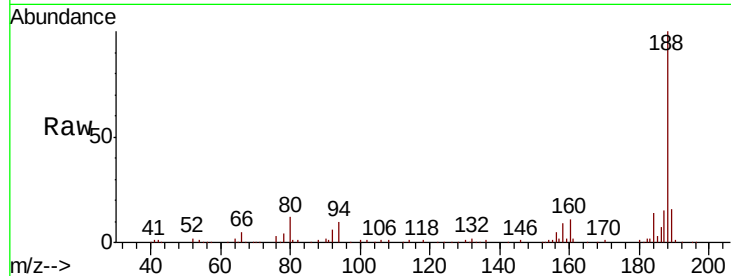
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF117667.D
Acq: 31 Oct 2019 19:19

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	102449		
94	10.1		8.0	12.0
80	11.6		9.5	14.3

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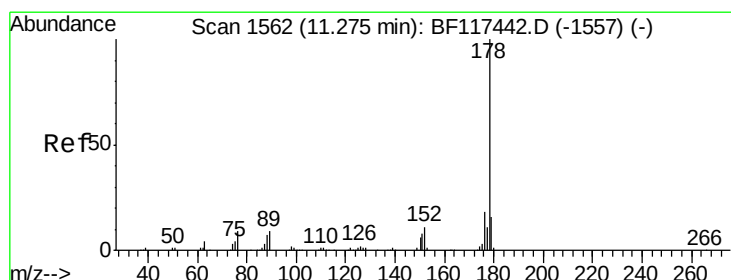
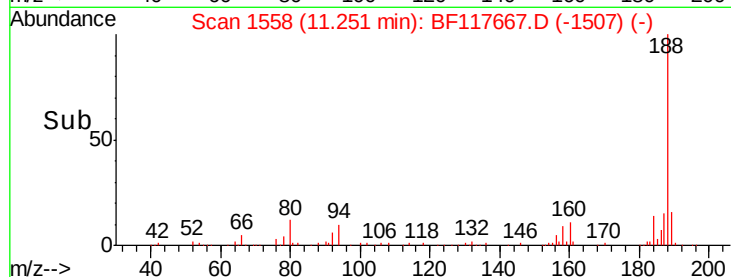
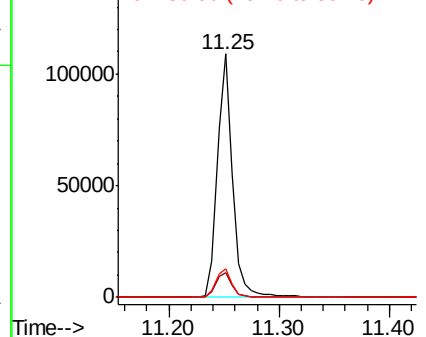


Abundance

Ion 188.00 (187.70 to 188.70): E

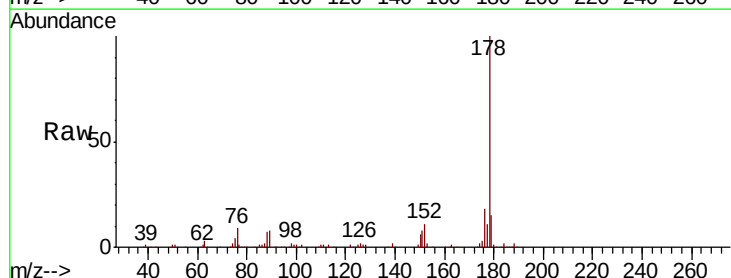
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71
Phenanthrene
Concen: 26.018 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF117667.D
Acq: 31 Oct 2019 19:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	154779		
176	18.2		14.6	22.0
179	14.7		12.6	19.0

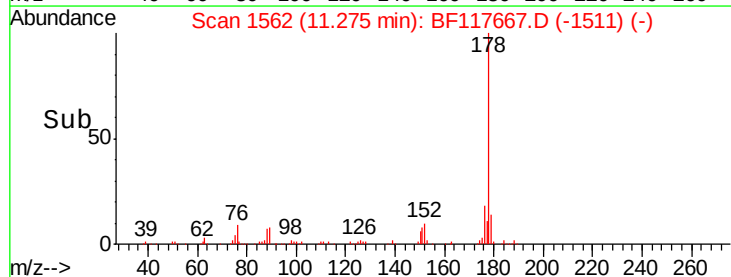
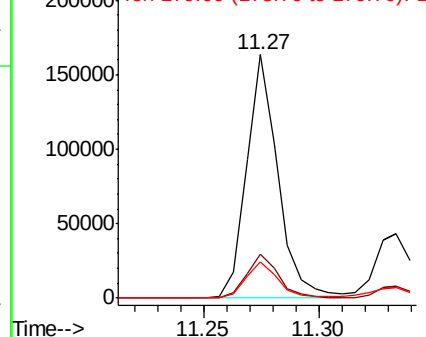


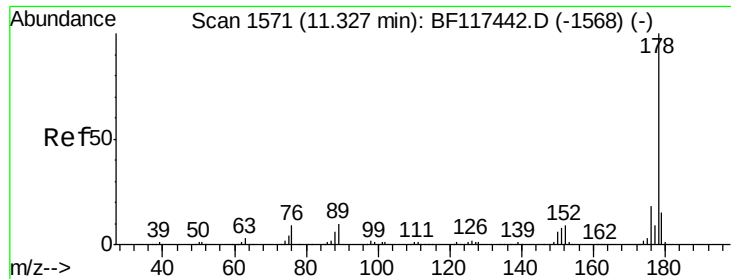
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 9.302 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BF117667.D

Acq: 31 Oct 2019 19:19

Instrument :

BNA_F

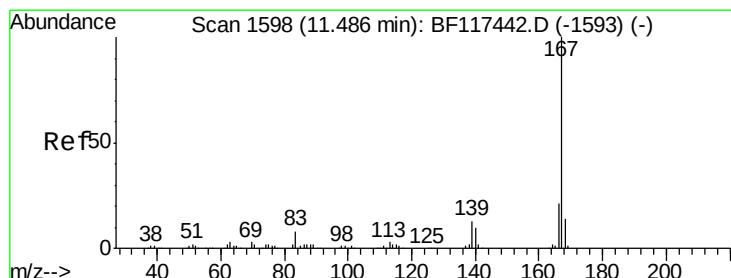
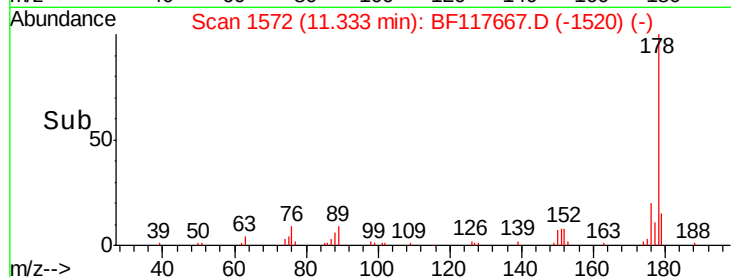
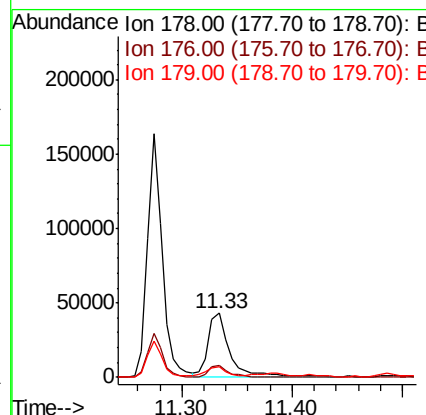
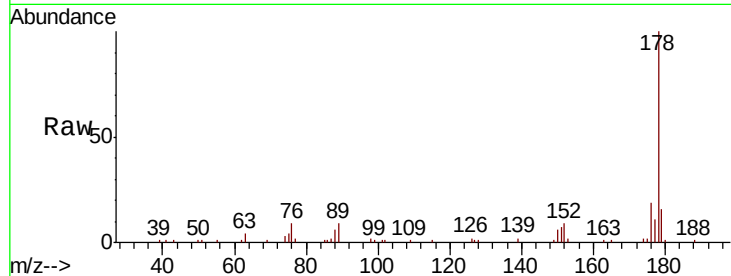
ClientSampleId :

CSA-2-1-6DL

Tot Ion:	178	Resp:	56781
Ion Ratio	Lower	Upper	
178	100		
176	19.2	14.7	22.1
179	15.8	12.2	18.2

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#73

Carbazole

Concen: 3.983 ng

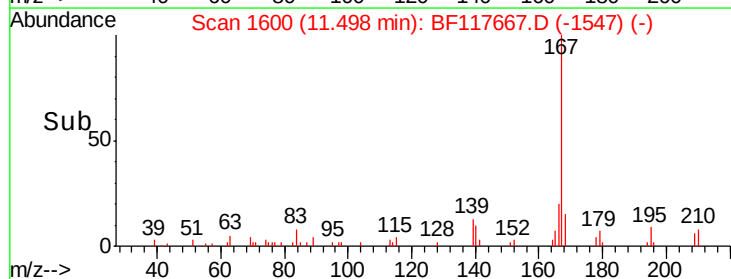
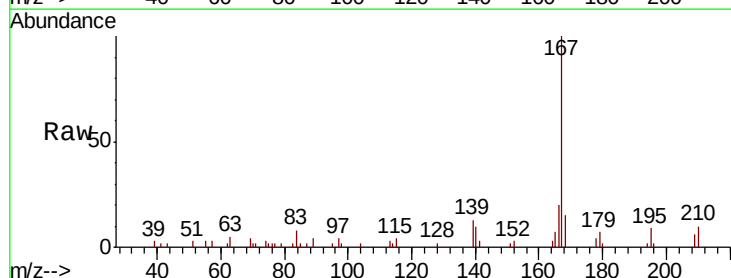
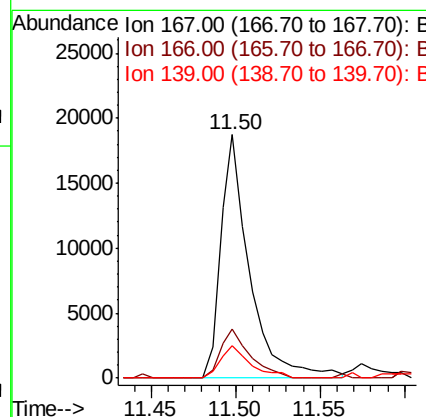
RT: 11.50 min Scan# 1600

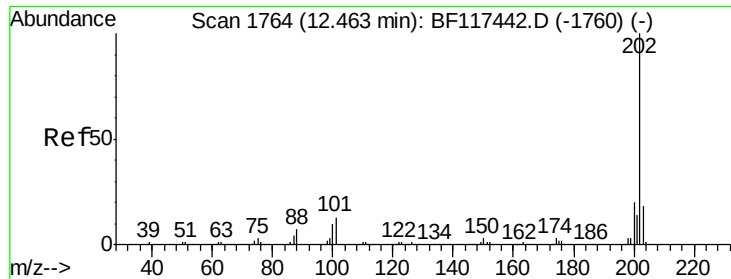
Delta R.T. 0.01 min

Lab File: BF117667.D

Acq: 31 Oct 2019 19:19

Tgt Ion:	167	Resp:	22219
Ion Ratio	Lower	Upper	
167	100		
166	20.4	17.0	25.6
139	13.4	10.6	16.0





#75

Fluoranthene

Concen: 55.262 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117667.D

Acq: 31 Oct 2019 19:19

Instrument :

BNA_F

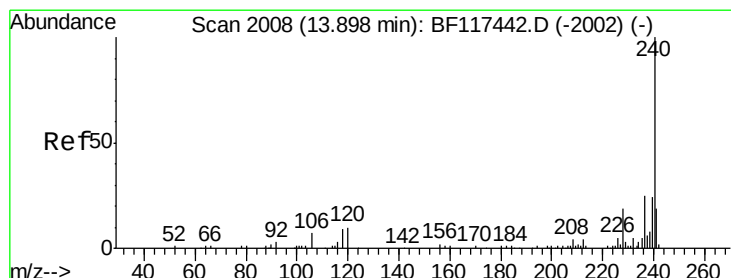
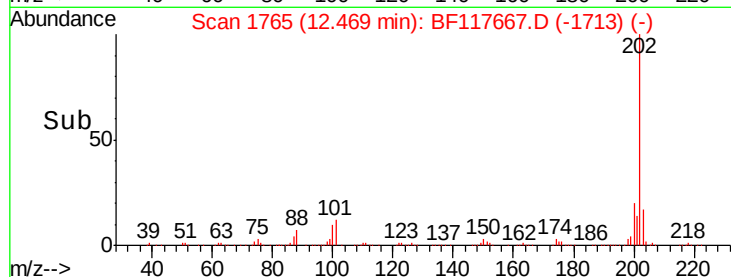
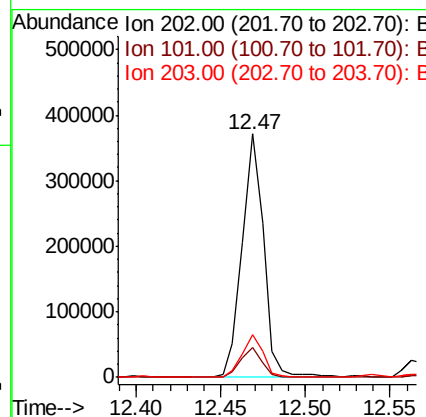
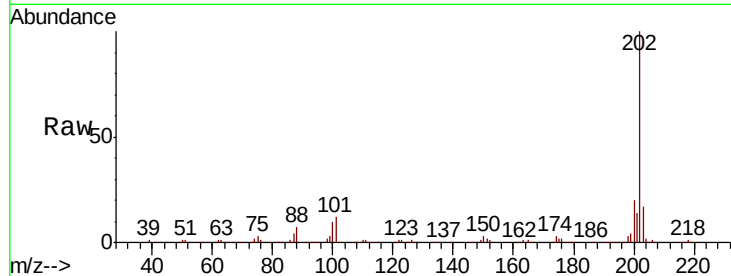
ClientSampled :

CSA-2-1-6DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	329098		
101	12.5	0.0	32.7	
203	17.4	0.0	37.6	

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#76

Chrysene-d12

Concen: 20.000 ng

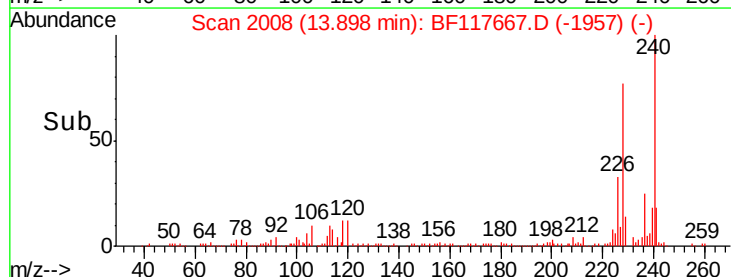
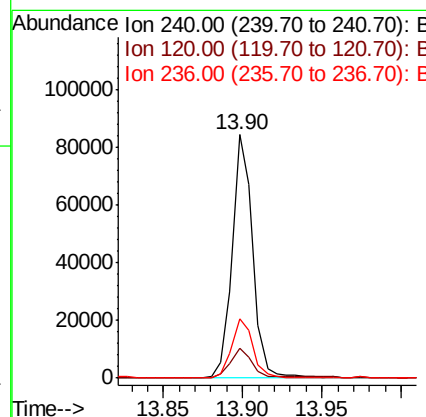
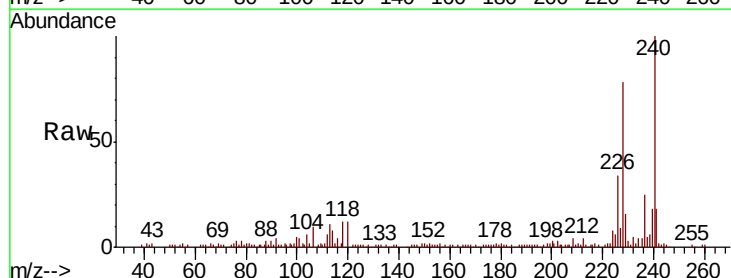
RT: 13.90 min Scan# 2008

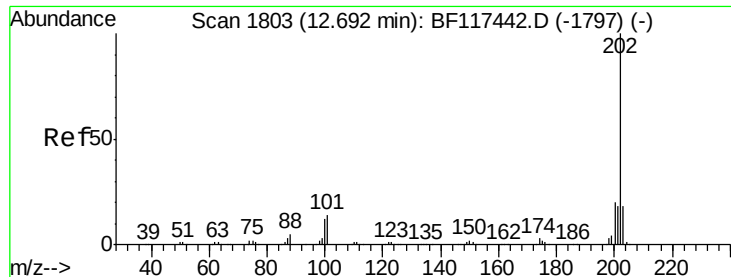
Delta R.T. 0.00 min

Lab File: BF117667.D

Acq: 31 Oct 2019 19:19

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	75578		
120	12.2	8.4	12.6	
236	24.5	20.0	30.0	





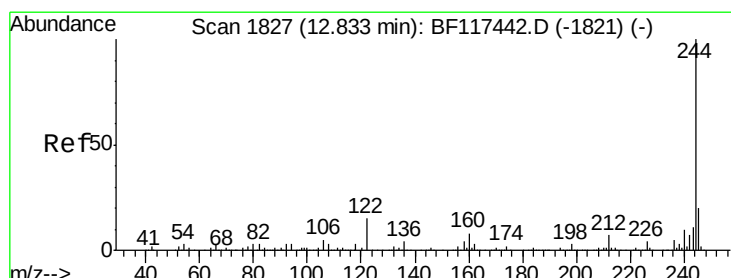
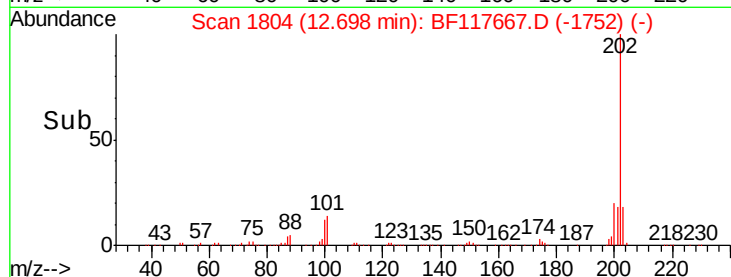
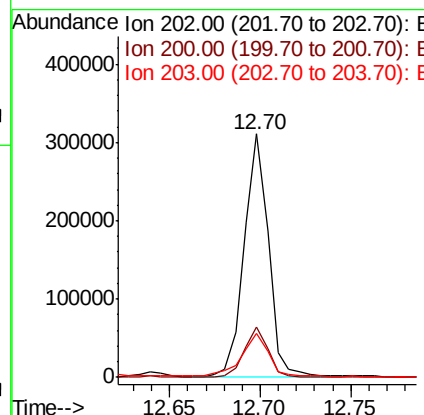
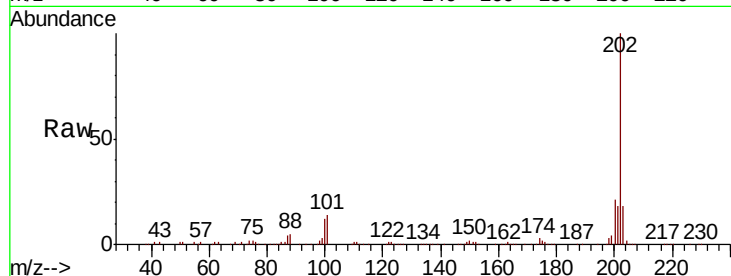
#78
Pvrene
Concen: 44.253 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117667.D
Acq: 31 Oct 2019 19:19

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.2
203	18.0	14.0	21.0

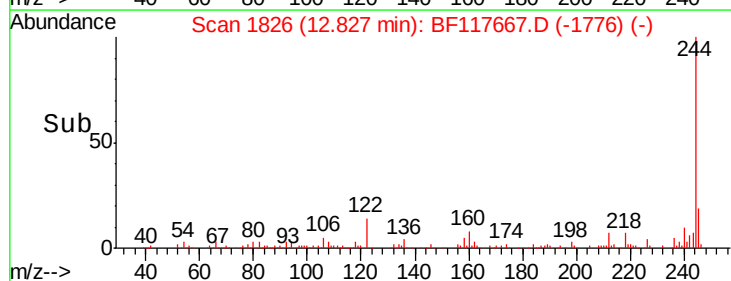
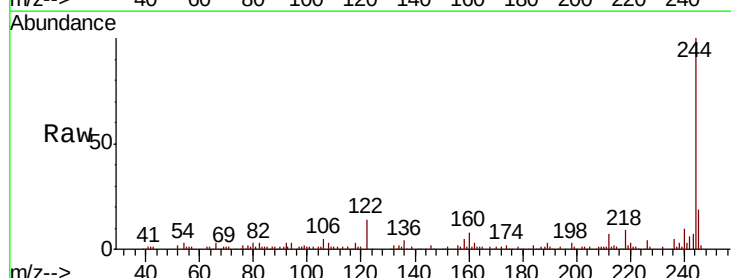
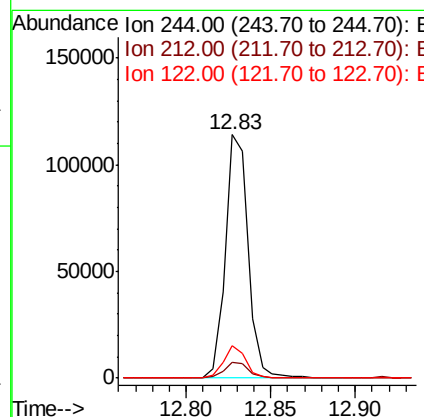
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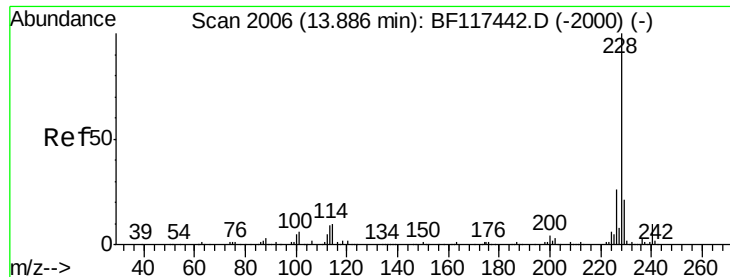
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#79
Terphenyl-d14
Concen: 23.220 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117667.D
Acq: 31 Oct 2019 19:19

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	13.5	11.8	17.8





#81

Benzo(a)anthracene

Concen: 29.068 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BF117667.D

Acq: 31 Oct 2019 19:19

Instrument :

BNA_F

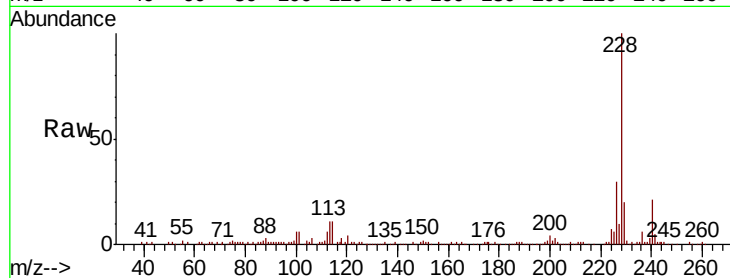
ClientSampleId :

CSA-2-1-6DL

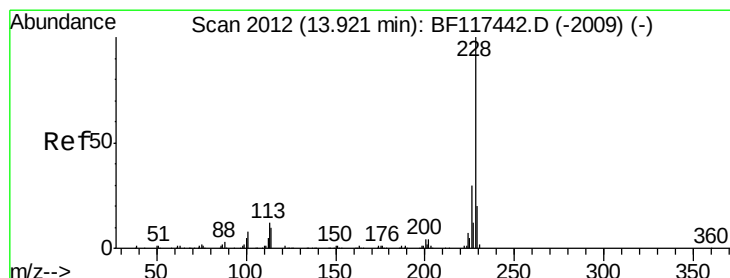
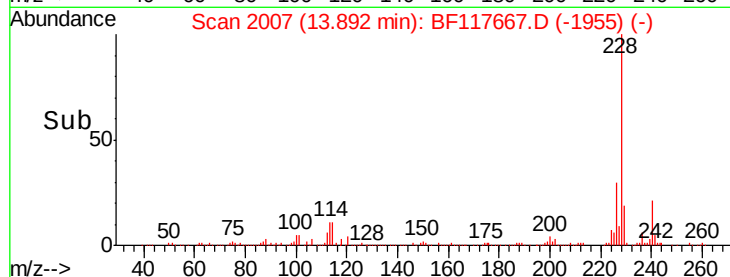
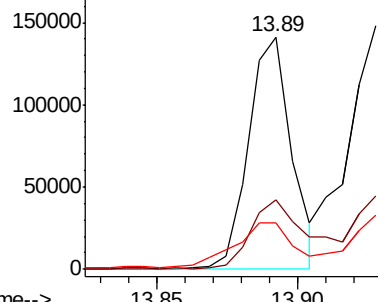
Tot Ion:	228	Resp:	148189
Ion Ratio	Lower	Upper	
228	100		
226	30.0	21.0	31.4
229	19.7	16.4	24.6

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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: 31.247 ng

RT: 13.93 min Scan# 2013

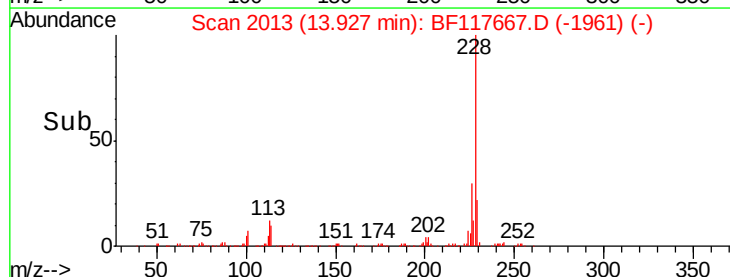
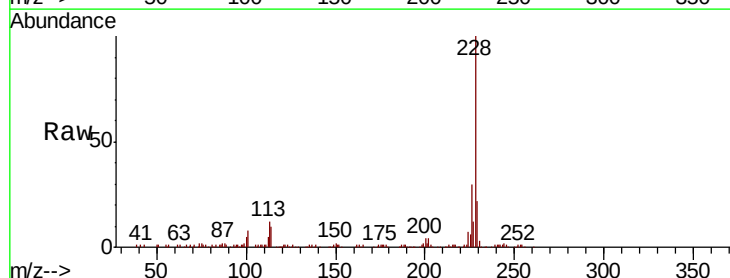
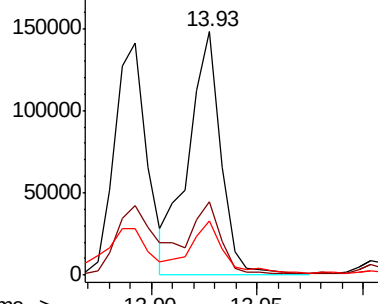
Delta R.T. 0.01 min

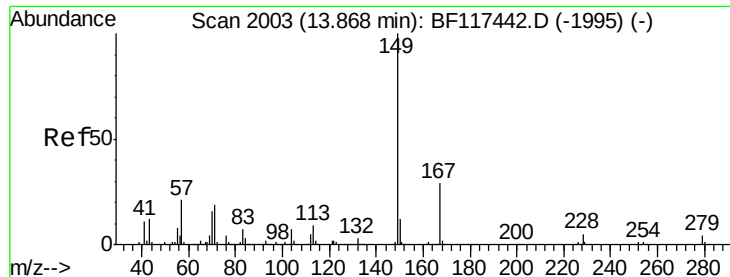
Lab File: BF117667.D

Acq: 31 Oct 2019 19:19

Tgt Ion:	228	Resp:	156122
Ion Ratio	Lower	Upper	
228	100		
226	30.3	23.9	35.9
229	22.5	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





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.391 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF117667.D

Acq: 31 Oct 2019 19:19

Instrument :

BNA_F

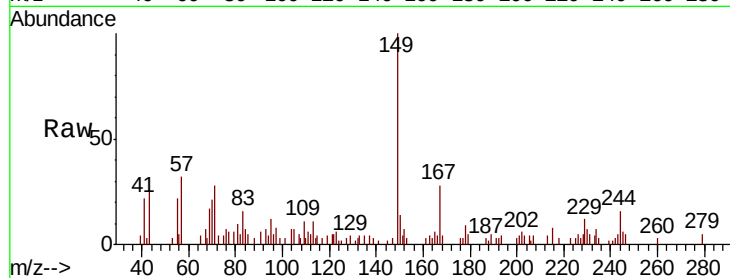
ClientSampleId :

CSA-2-1-6DL

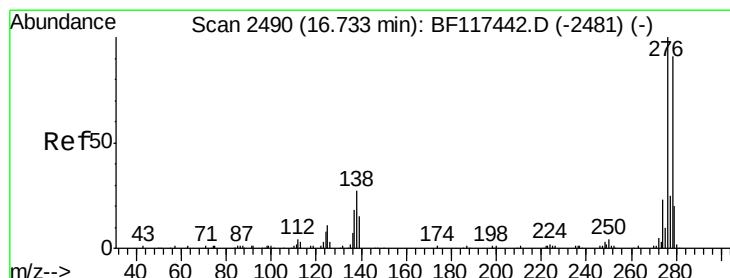
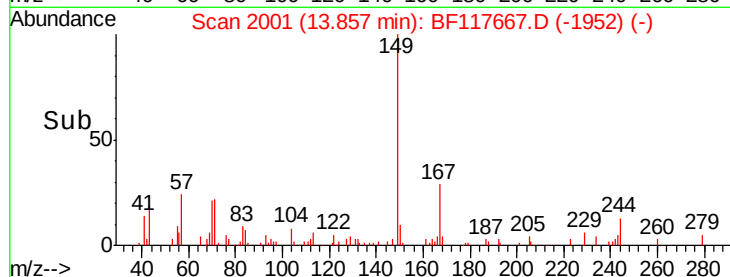
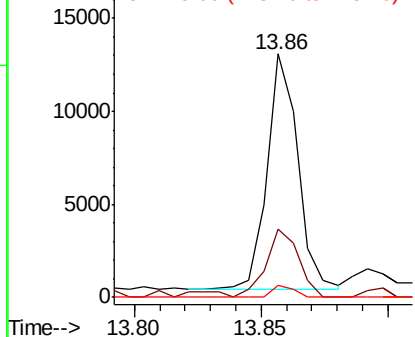
Tot Ion:	149	Resp:	10819
Ion Ratio	Lower	Upper	
149	100		
167	27.9	23.3	34.9
279	5.1	3.2	4.8#

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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: 17.247 ng

RT: 16.77 min Scan# 2496

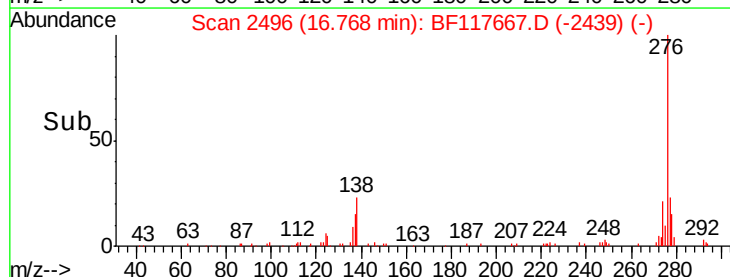
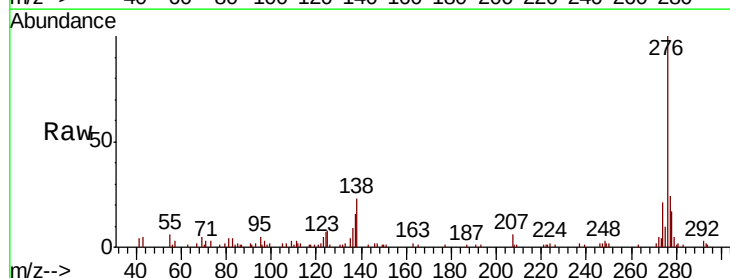
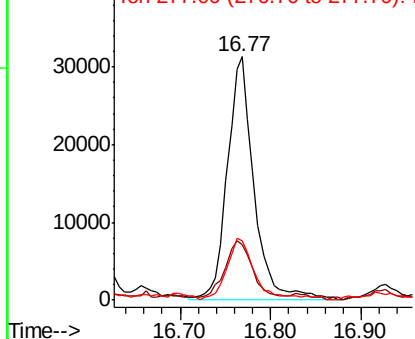
Delta R.T. 0.04 min

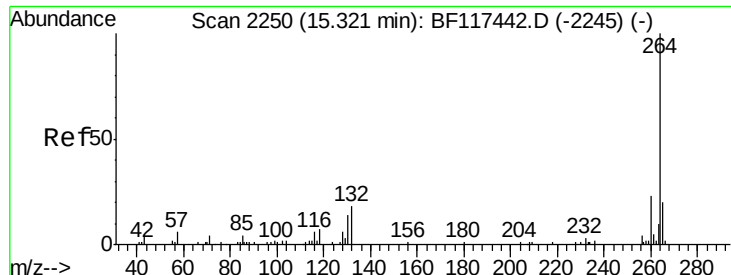
Lab File: BF117667.D

Acq: 31 Oct 2019 19:19

Tgt Ion:	276	Resp:	64336
Ion Ratio	Lower	Upper	
276	100		
138	22.4	21.8	32.8
277	25.6	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: BF117667.D

Acq: 31 Oct 2019 19:19

Instrument :

BNA_F

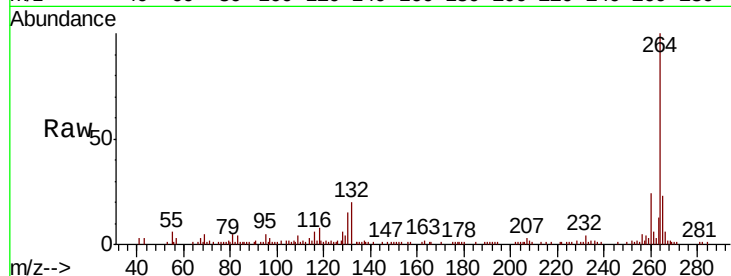
ClientSampleId :

CSA-2-1-6DL

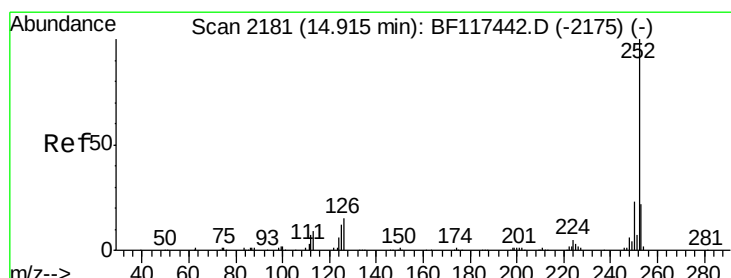
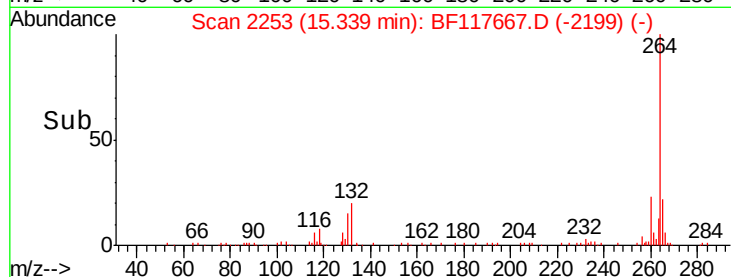
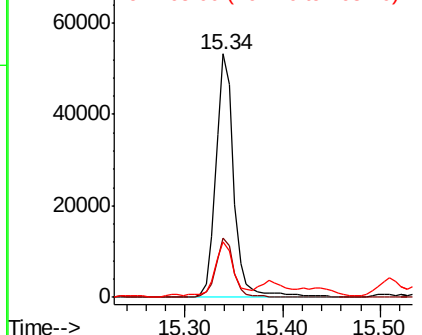
Tot Ion:	264	Resp:	68238
Ion Ratio	Lower	Upper	
264	100		
260	24.1	18.4	27.6
265	22.9	16.1	24.1

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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: 45.640 ng m

RT: 14.93 min Scan# 2184

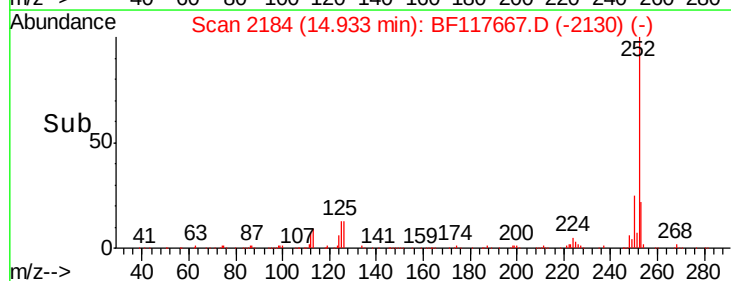
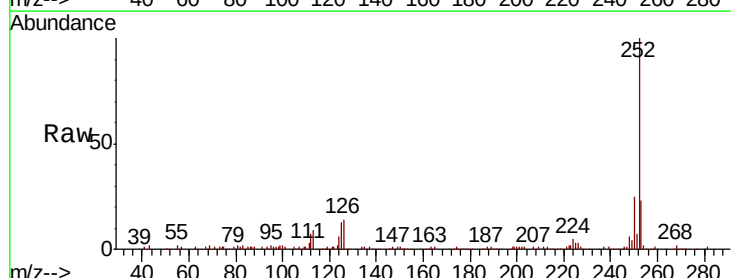
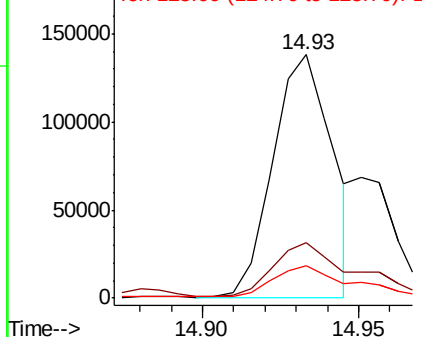
Delta R.T. 0.02 min

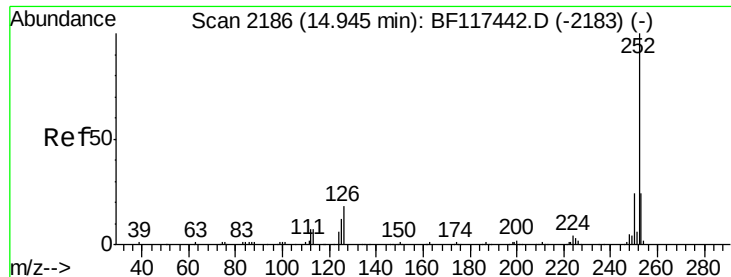
Lab File: BF117667.D

Acq: 31 Oct 2019 19:19

Tgt Ion:	252	Resp:	183910
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.8	26.6
125	13.3	9.9	14.9

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





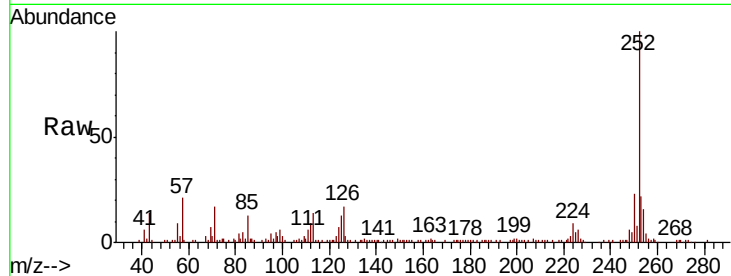
#89
Benzo(k)fluoranthene
Concen: 15.798 ng m
RT: 14.95 min Scan# 2187
Delta R.T. 0.01 min
Lab File: BF117667.D
Acq: 31 Oct 2019 19:19

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

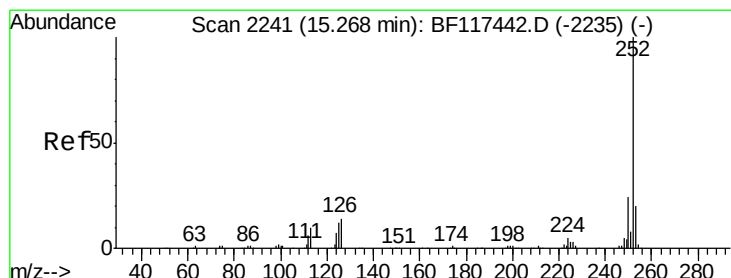
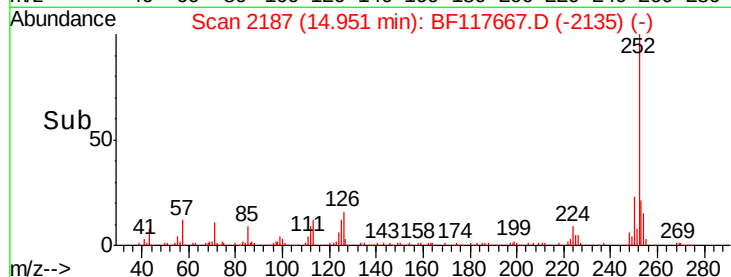
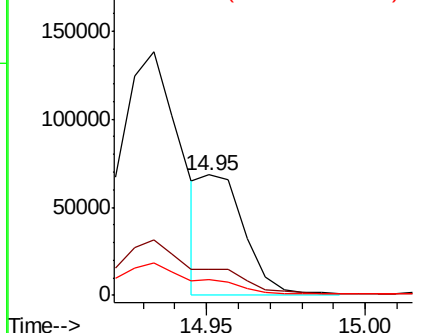
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	13.3	8.9	13.3

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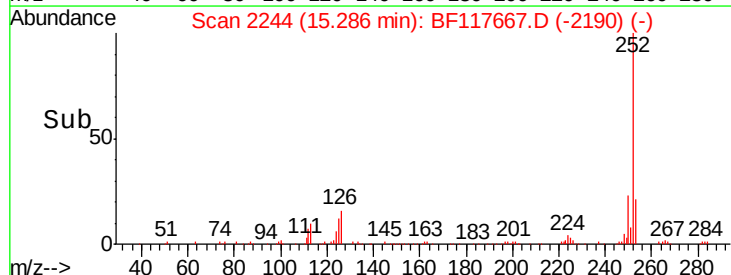
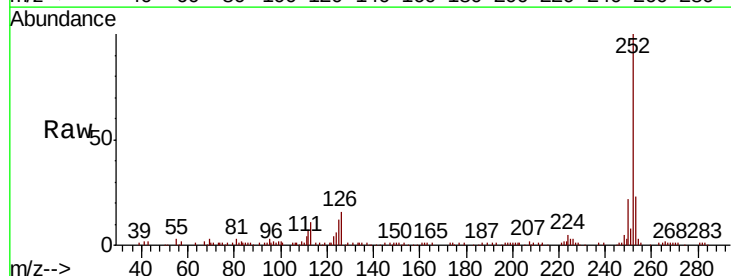
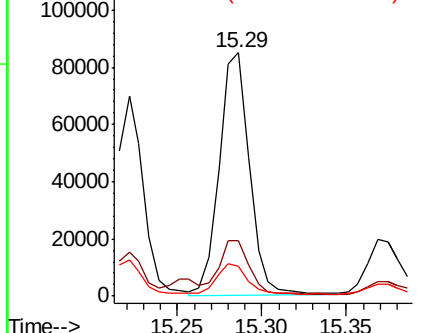
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

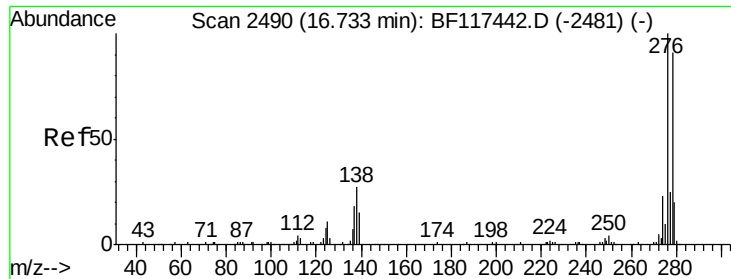


#90
Benzo(a)pyrene
Concen: 28.950 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.02 min
Lab File: BF117667.D
Acq: 31 Oct 2019 19:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	16.3	24.5
125	12.2	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





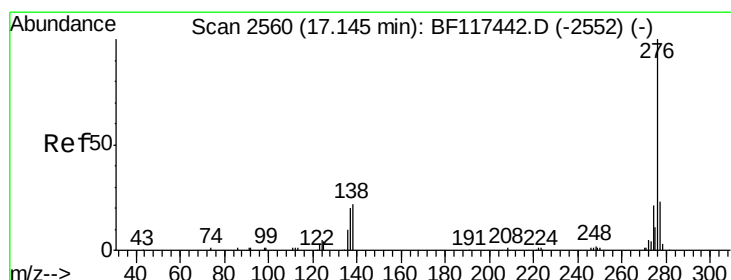
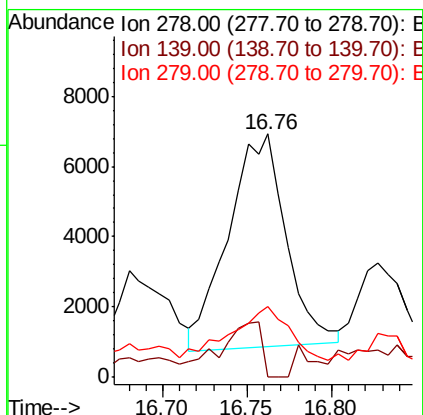
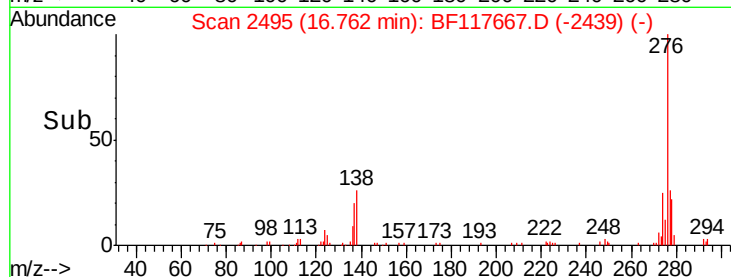
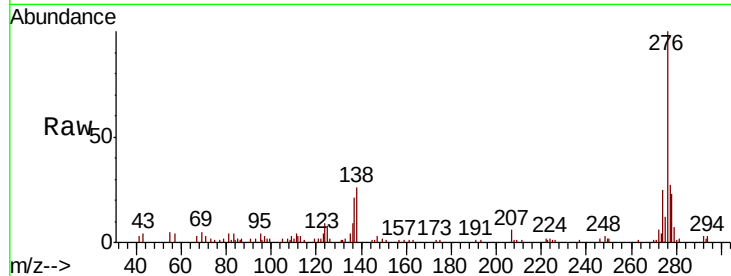
#91
Dibenzo(a,h)anthracene
Concen: 4.554 ng
RT: 16.76 min Scan# 2495
Delta R.T. 0.03 min
Lab File: BF117667.D
Acq: 31 Oct 2019 19:19

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.4	20.0#
279	29.1	17.8	26.6#

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#92
Benzo(g,h,i)perylene
Concen: 18.292 ng
RT: 17.20 min Scan# 2569
Delta R.T. 0.05 min
Lab File: BF117667.D
Acq: 31 Oct 2019 19:19

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

