

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117590.D
 Acq On : 29 Oct 2019 14:57
 Operator : JU
 Sample : K5564-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Oct 30 03:28:08 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	39853	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	152210	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	64164	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	89932	20.00	ng	0.00
76) Chrysene-d12	13.89	240	74523	20.00	ng	0.00
87) Perylene-d12	15.33	264	62335	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	275724	102.93	ng	0.00
7) Phenol-d6	6.39	99	364853	101.41	ng	0.00
23) Nitrobenzene-d5	7.29	82	225509	73.14	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	45707	82.33	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	347000	76.20	ng	-0.01
79) Terphenyl-d14	12.83	244	273463	59.85	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Acenaphthylene	9.62	152	14750	2.507	ng	97
50) Dimethylphthalate	9.48	163	70892	15.498	ng	99
58) Fluorene	10.31	166	9751	2.255	ng	95
71) Phenanthrene	11.27	178	184488	35.329	ng	99
72) Anthracene	11.33	178	39588	7.388	ng	96
75) Fluoranthene	12.46	202	218213	41.742	ng	100
78) Pyrene	12.69	202	187991	29.368	ng	99
81) Benzo(a)anthracene	13.89	228	96402	19.177	ng	97
83) Chrysene	13.92	228	91711	18.615	ng	97
86) Indeno(1,2,3-cd)pyrene	16.75	276	24279	6.601	ng	98
88) Benzo(b)fluoranthene	14.92	252	81020m	22.011	ng	
89) Benzo(k)fluoranthene	14.94	252	28807m	7.636	ng	
90) Benzo(a)pyrene	15.27	252	47434	14.173	ng	98
91) Dibenzo(a,h)anthracene	16.74	278	7306	2.525	ng	# 89
92) Benzo(a,h,i)perylene	17.18	276	20421	7.458	ng	94

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

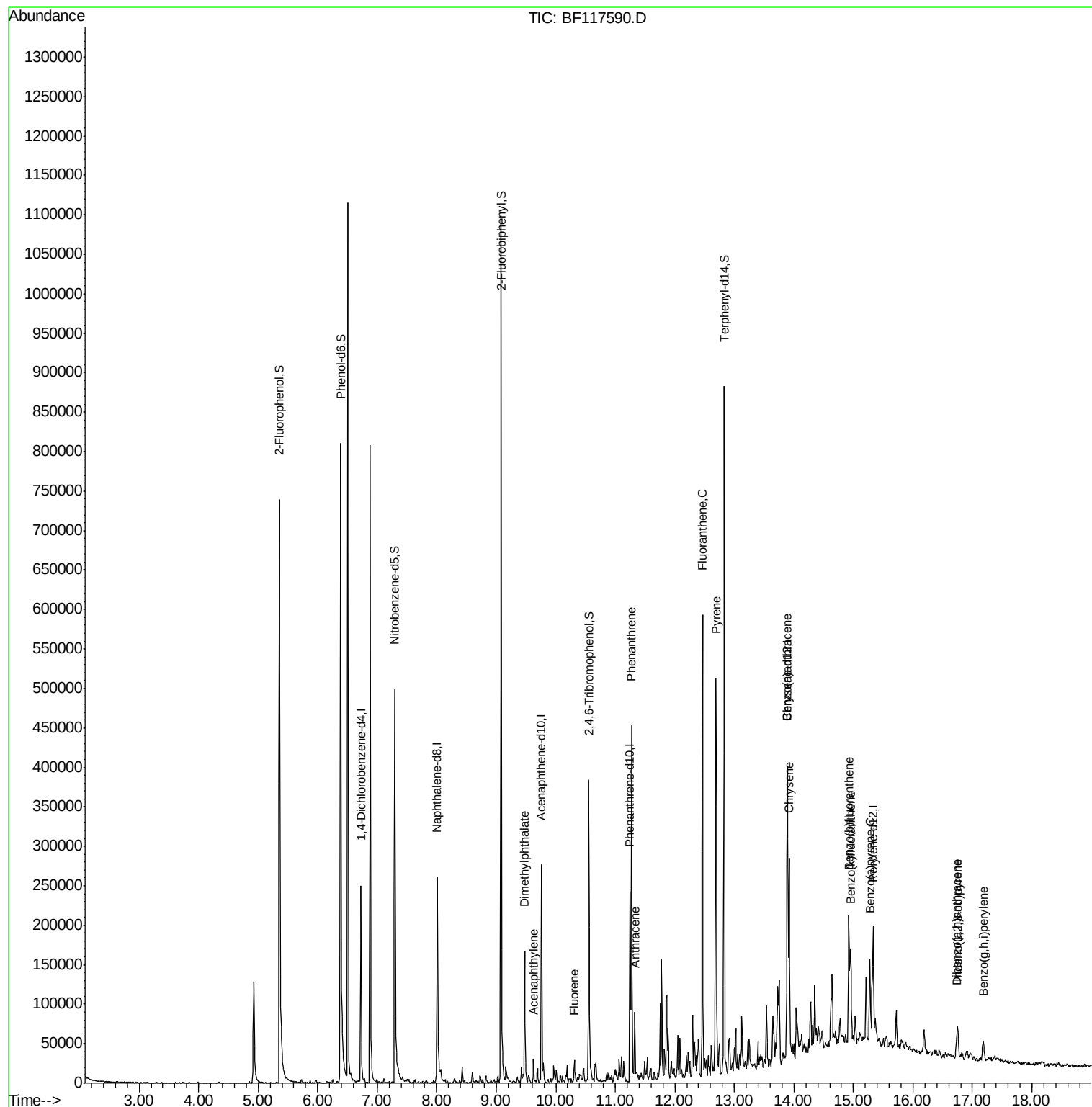
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117590.D
Acq On : 29 Oct 2019 14:57
Operator : JU
Sample : K5564-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

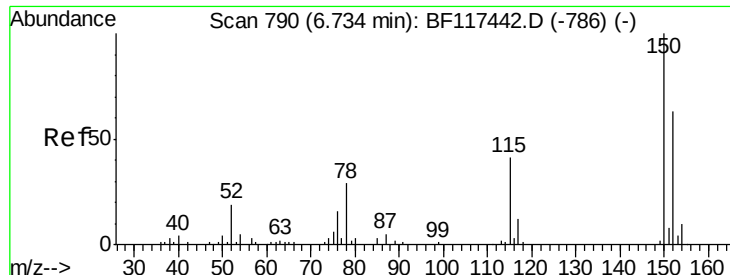
Instrument :
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ClientSampleId :
CSA-2-1-2

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Quant Time: Oct 30 03:28:08 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

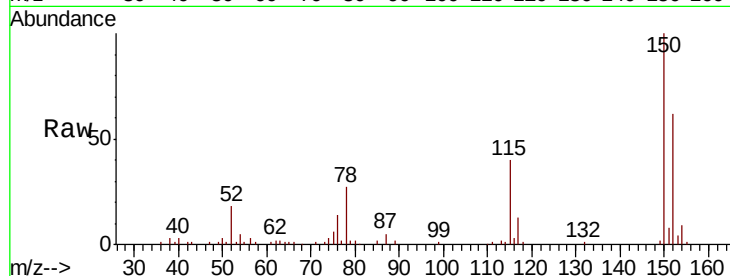
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117590.D
Acq: 29 Oct 2019 14:57

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.1	126.8	190.2
115	64.8	51.6	77.4

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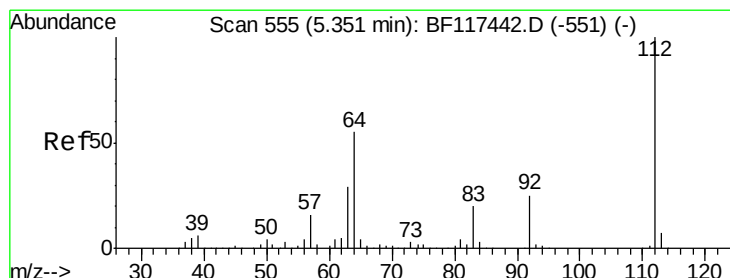
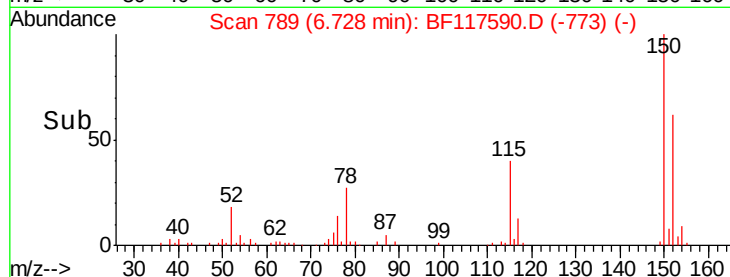
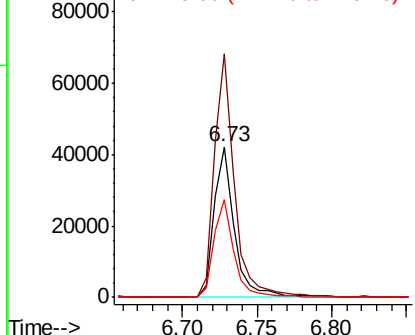


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

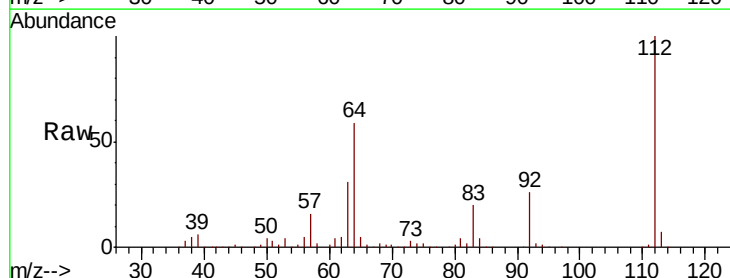
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 102.927 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117590.D
Acq: 29 Oct 2019 14:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	44.1	66.1
63	30.9	23.4	35.2

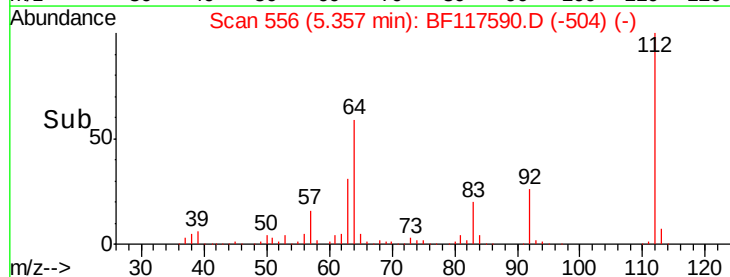
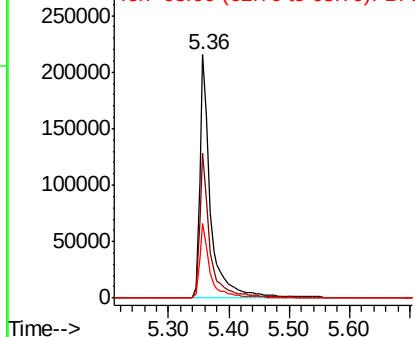


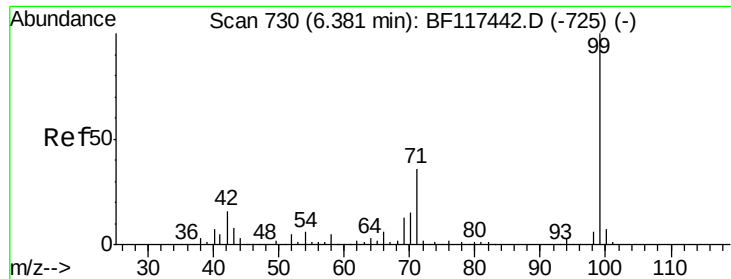
Abundance

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: 101.405 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117590.D

Acq: 29 Oct 2019 14:57

Instrument :

BNA_F

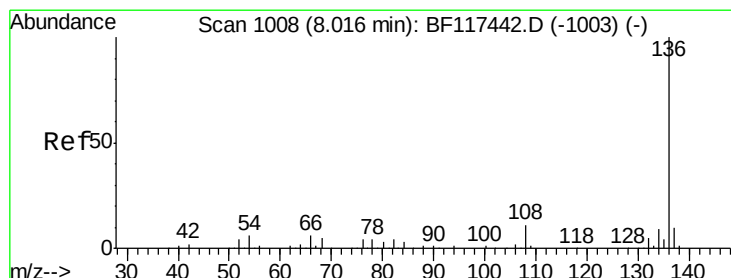
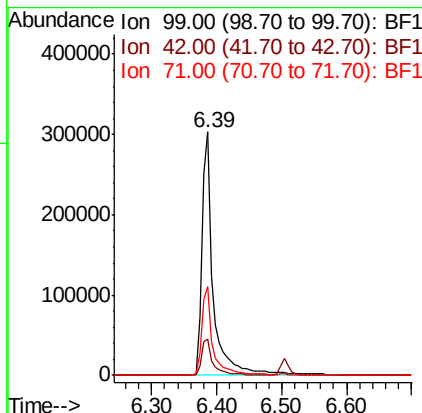
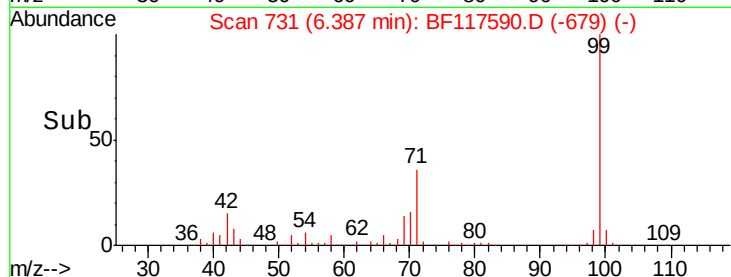
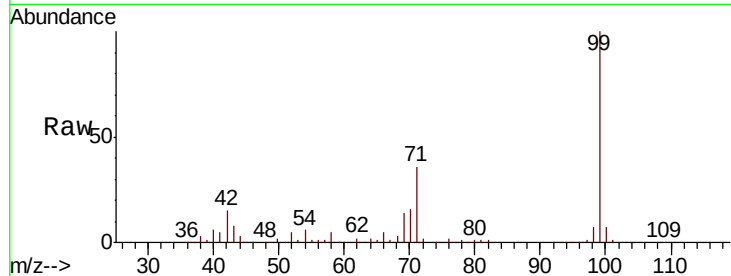
ClientSampleId :

CSA-2-1-2

Tot Ion:	99	Resp:	364853
Ion Ratio	Lower	Upper	
99	100		
42	14.8	12.8	19.2
71	36.4	28.6	43.0

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#21

Naphthalene-d8

Concen: 20.000 ng

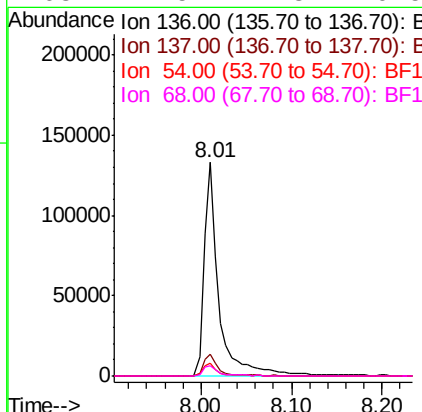
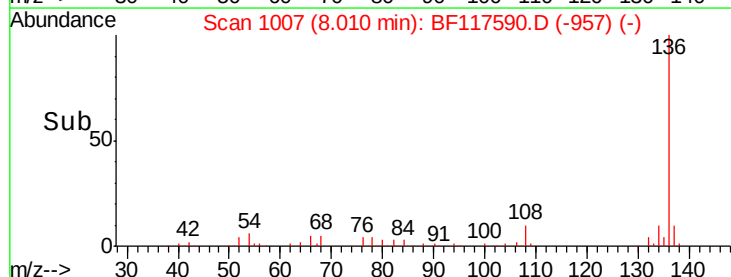
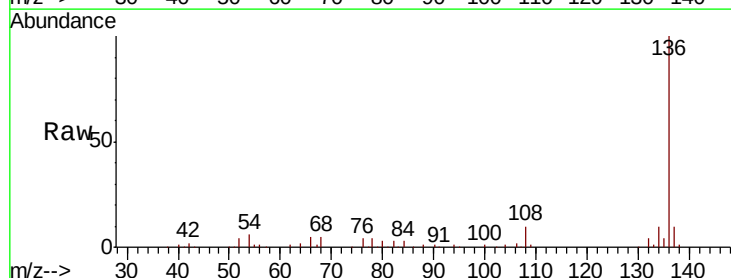
RT: 8.01 min Scan# 1007

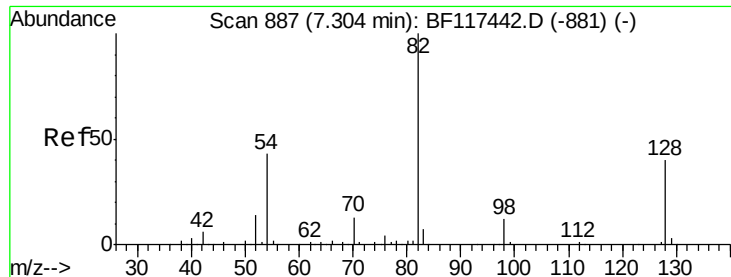
Delta R.T. -0.01 min

Lab File: BF117590.D

Acq: 29 Oct 2019 14:57

Tgt Ion:	136	Resp:	152210
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.2	12.4
54	5.8	4.5	6.7
68	4.5	4.3	6.5





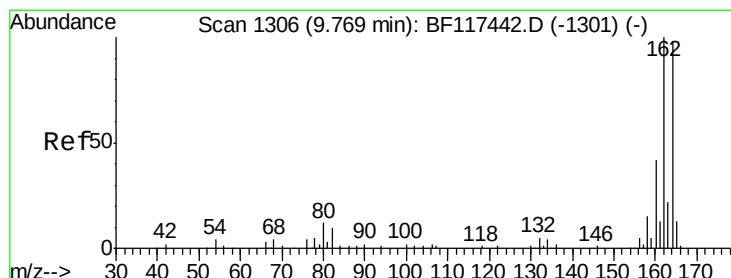
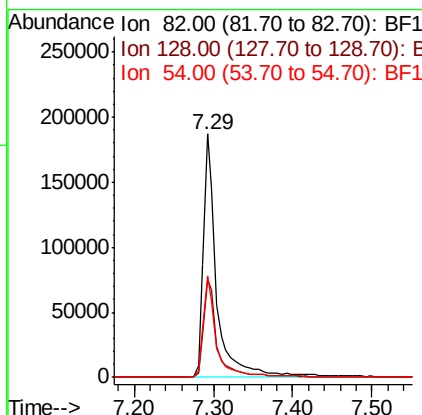
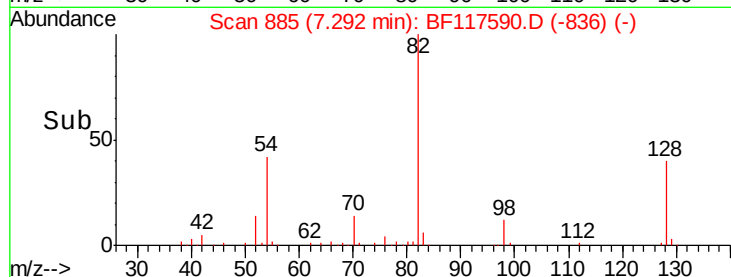
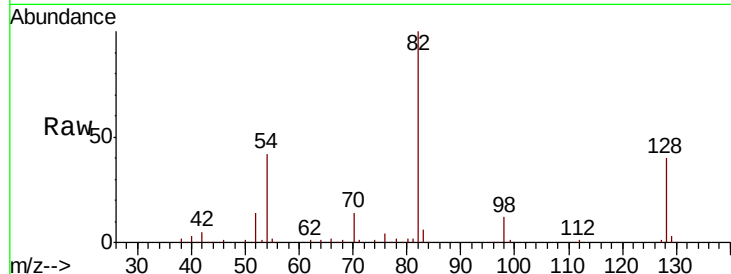
#23
 Nitrobenzene-d5
 Concen: 73.142 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF117590.D
 Acq: 29 Oct 2019 14:57

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

Tot Ion	82	Resp	225509
Ion Ratio	Lower	Upper	
82	100		
128	39.9	32.2	48.2
54	41.8	34.2	51.2

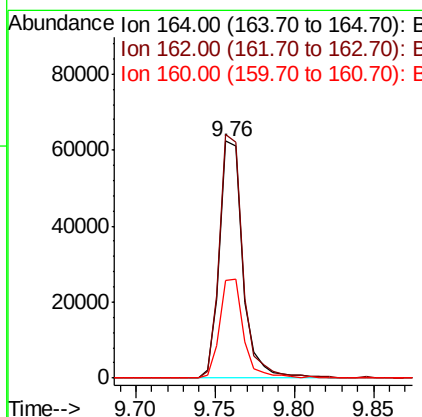
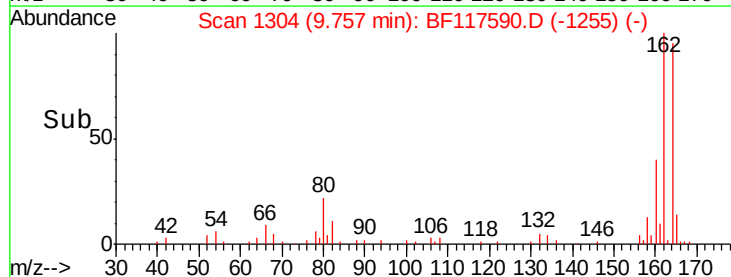
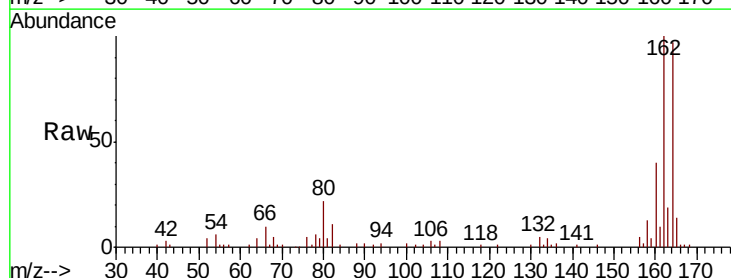
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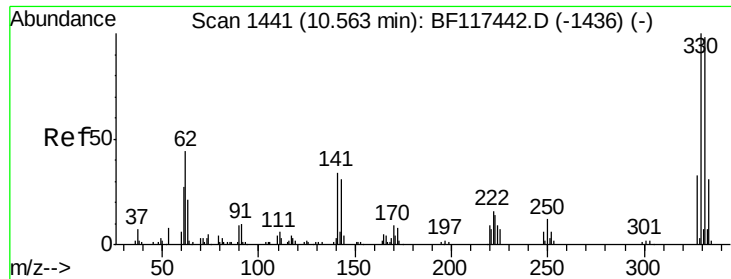
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF117590.D
 Acq: 29 Oct 2019 14:57

Tgt Ion	164	Resp	64164
Ion Ratio	Lower	Upper	
164	100		
162	102.7	81.8	122.6
160	41.3	34.4	51.6





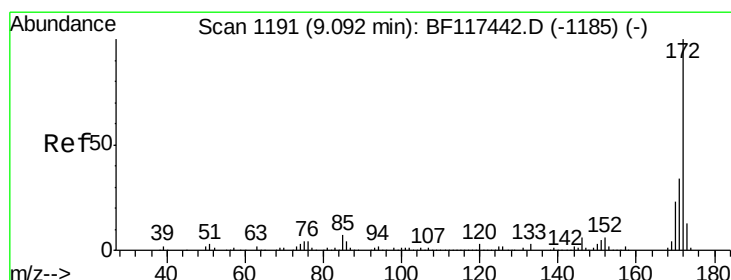
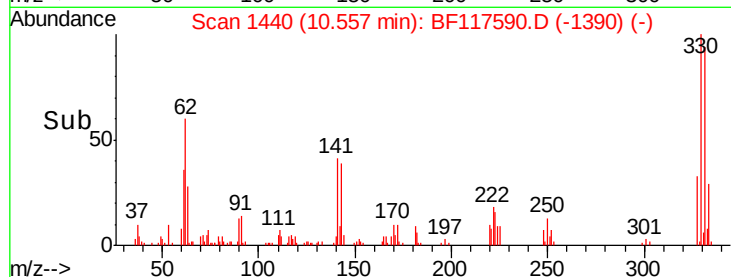
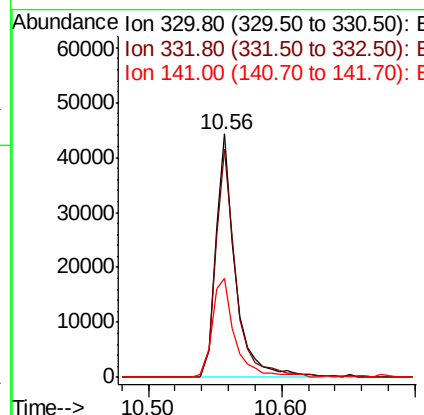
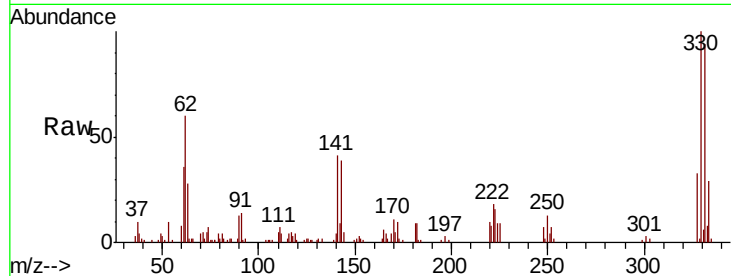
#42
 2,4,6-Tribromophenol
 Concen: 82.328 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117590.D
 Acq: 29 Oct 2019 14:57

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.5	117.7
141	47.3	37.0	55.6

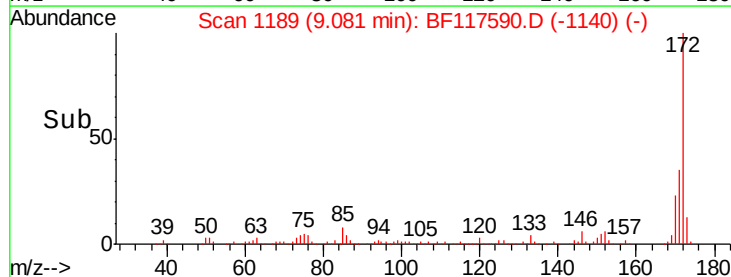
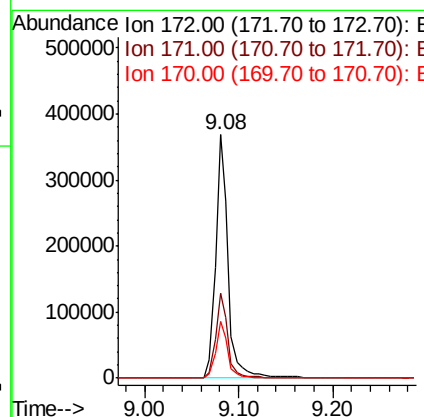
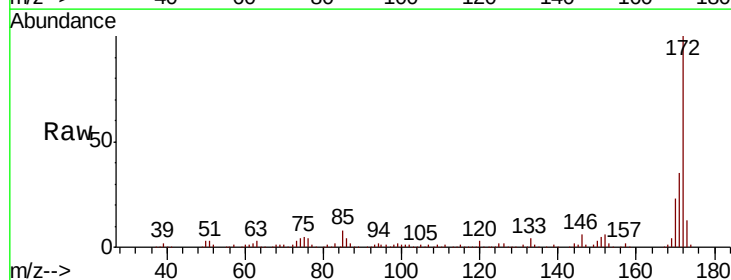
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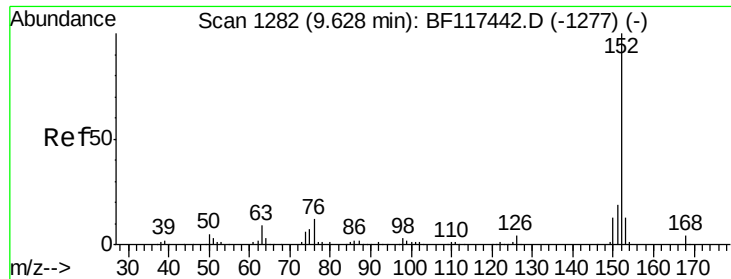
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#45
 2-Fluorobiphenyl
 Concen: 76.198 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117590.D
 Acq: 29 Oct 2019 14:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.5	41.3
170	23.1	18.6	27.8





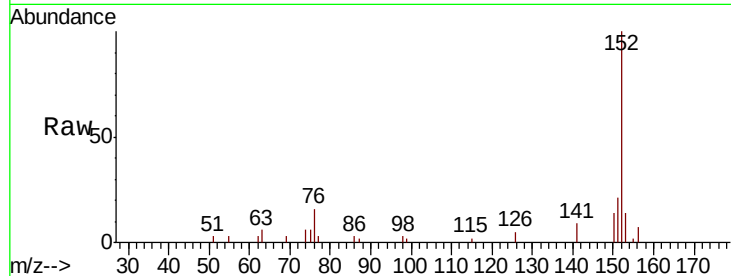
#49
Acenaphthylene
Concen: 2.507 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF117590.D
Acq: 29 Oct 2019 14:57

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

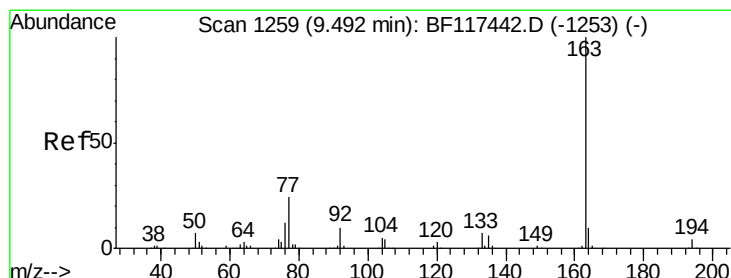
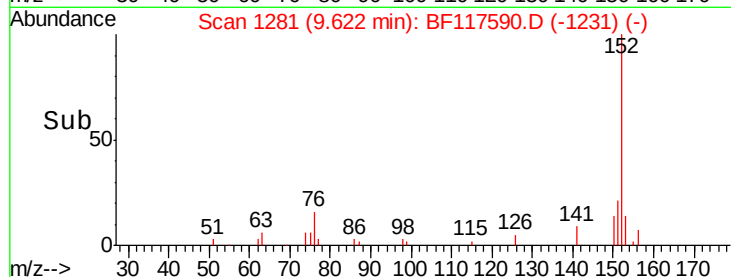
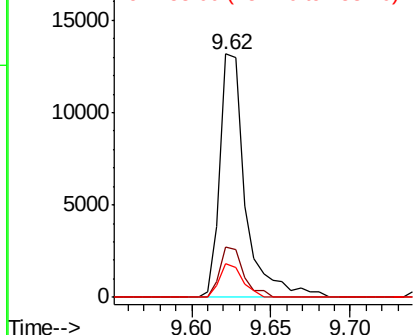
Tot Ion:	152	Resp:	14750
Ion Ratio	Lower	Upper	
152	100		
151	20.7	15.4	23.0
153	13.9	10.3	15.5

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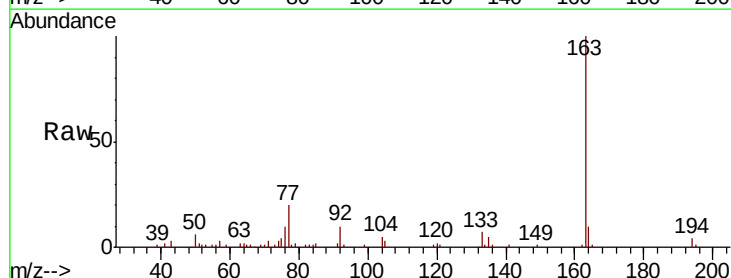


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

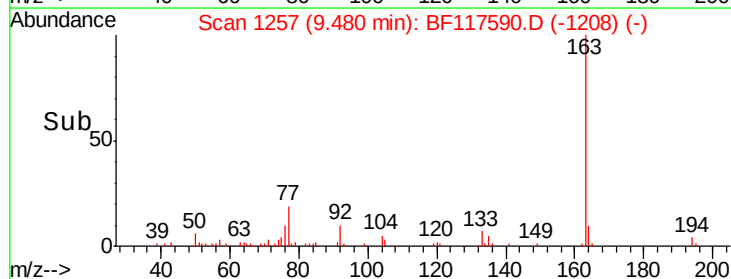
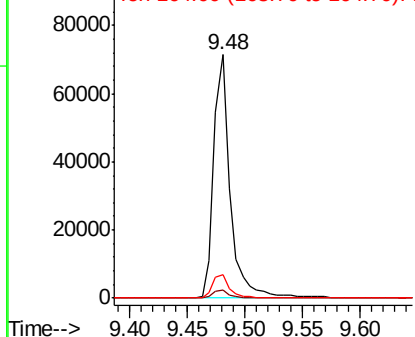


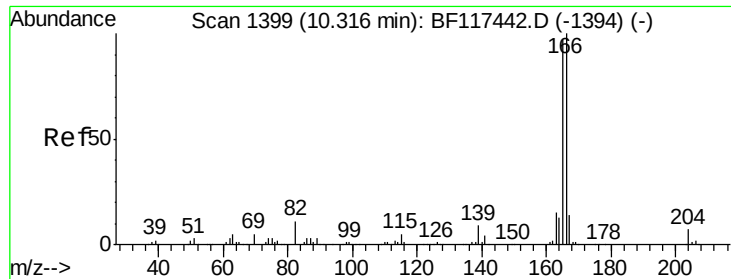
#50
Dimethylphthalate
Concen: 15.498 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117590.D
Acq: 29 Oct 2019 14:57

Tgt Ion:	163	Resp:	70892
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.9	4.3
164	9.9	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





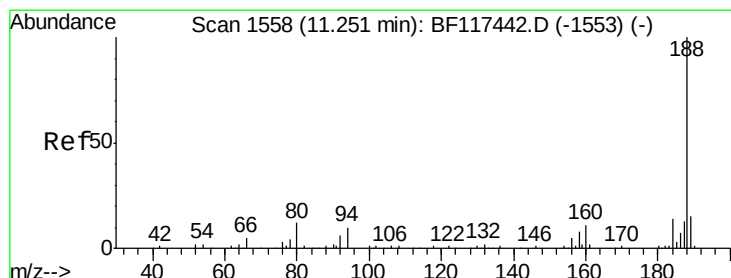
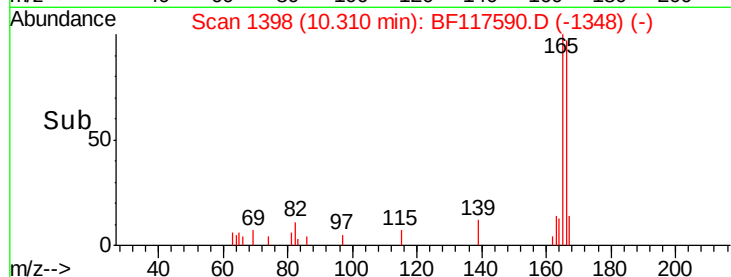
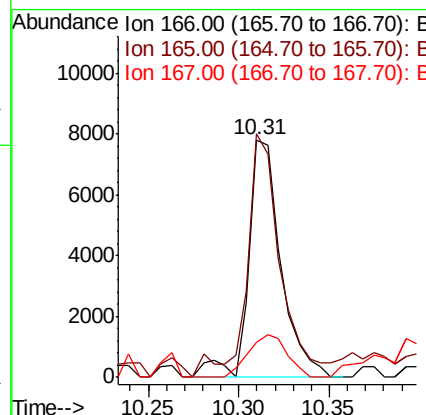
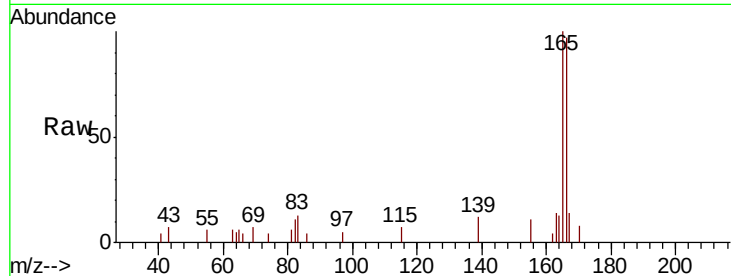
#58
Fluorene
Concen: 2.255 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF117590.D
Acq: 29 Oct 2019 14:57

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		9751		
165	102.6	77.6	116.4		
167	14.5	11.0	16.4		

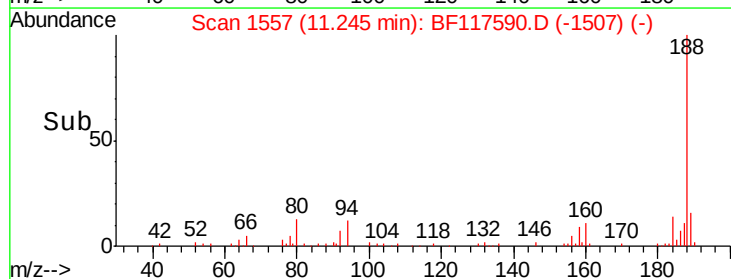
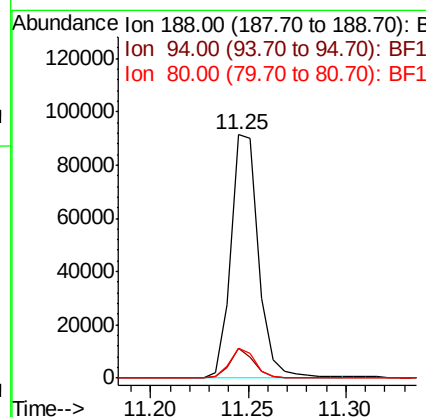
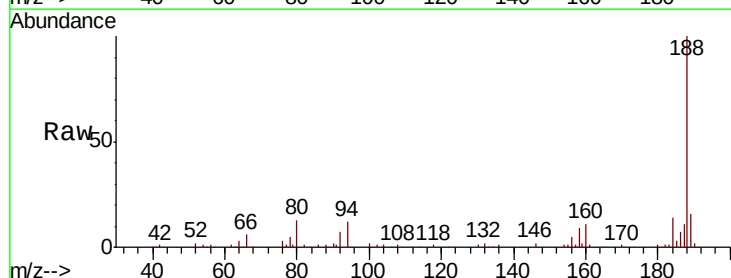
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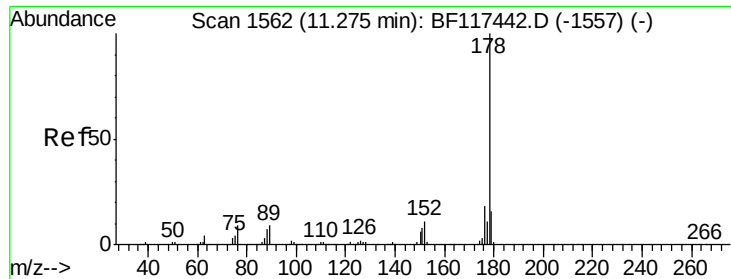
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF117590.D
Acq: 29 Oct 2019 14:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		89932		
94	12.3	8.0	12.0#		
80	12.5	9.5	14.3		





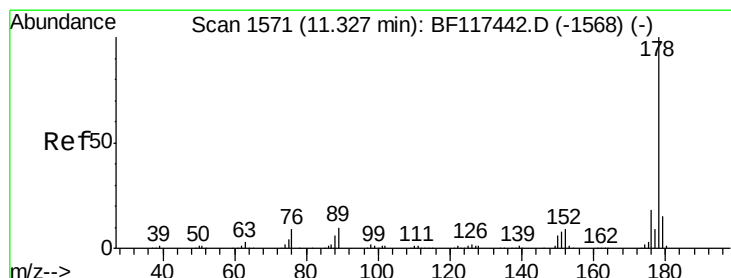
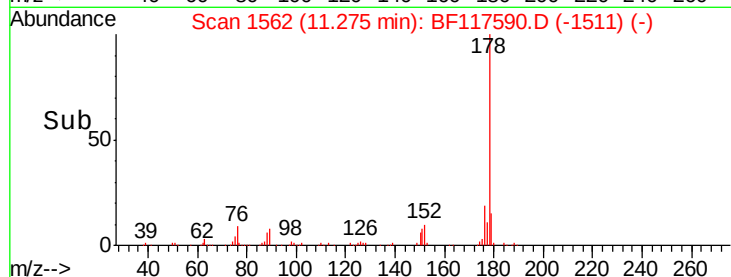
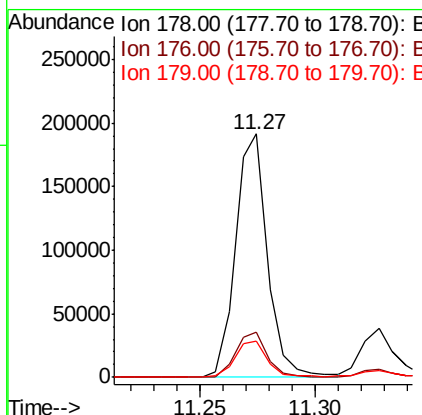
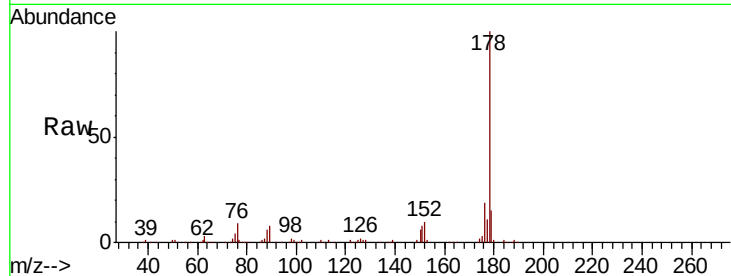
#71
Phenanthrene
Concen: 35.329 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117590.D
Acq: 29 Oct 2019 14:57

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.0	12.6	19.0

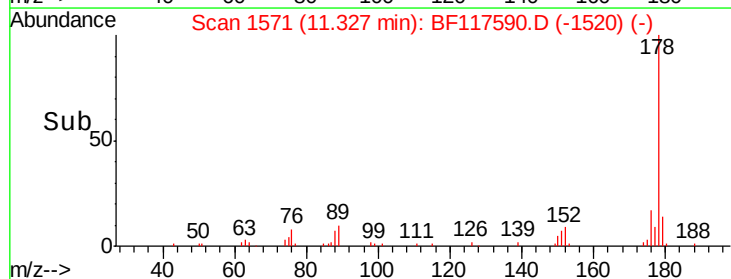
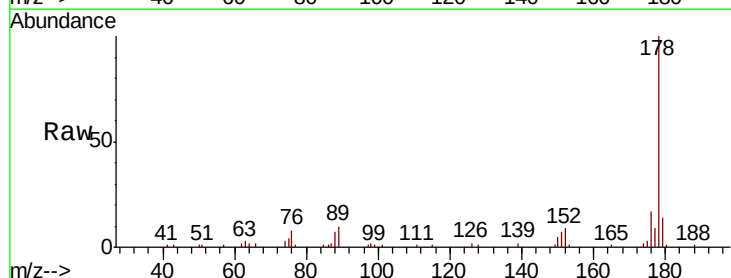
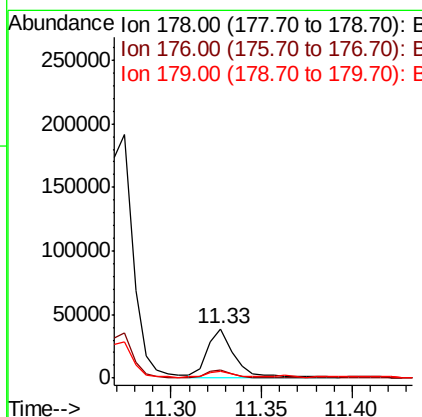
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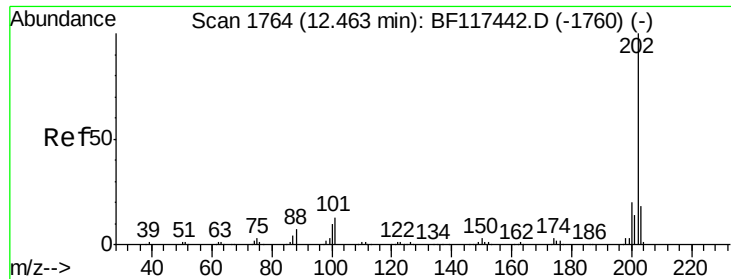
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#72
Anthracene
Concen: 7.388 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF117590.D
Acq: 29 Oct 2019 14:57

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.6	14.7	22.1
179	13.5	12.2	18.2





#75

Fluoranthene

Concen: 41.742 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117590.D

Acq: 29 Oct 2019 14:57

Instrument :

BNA_F

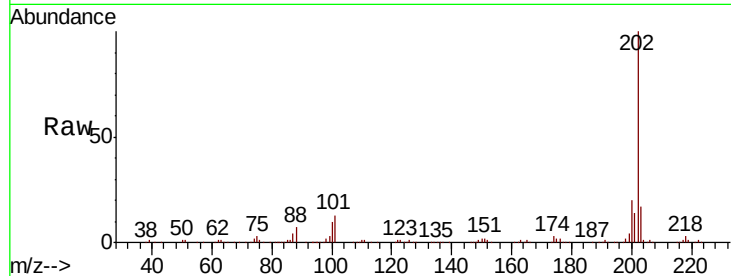
ClientSampleId :

CSA-2-1-2

Tot Ion	Ratio	Resp	Lower	Upper
202	100	218213		
101	12.6	0.0	32.7	
203	17.5	0.0	37.6	

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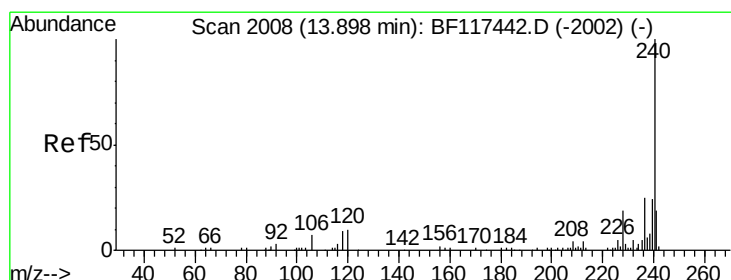
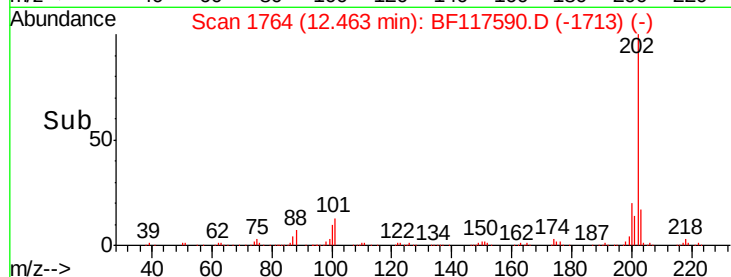
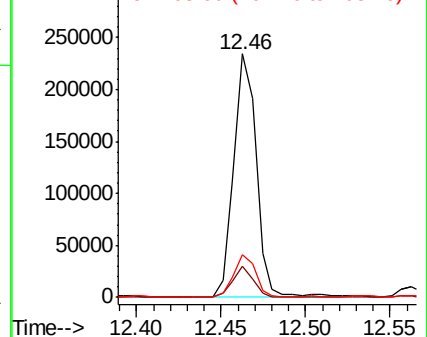


Abundance

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

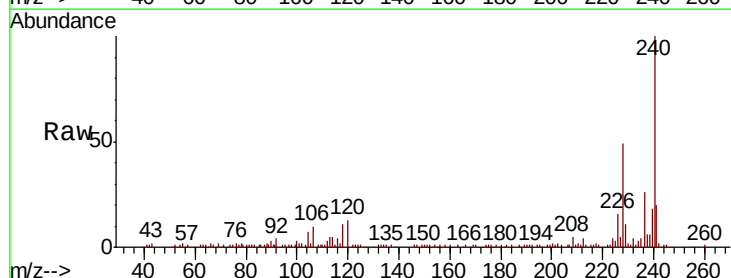
RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117590.D

Acq: 29 Oct 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	74523		
120	13.3	8.4	12.6#	
236	25.9	20.0	30.0	

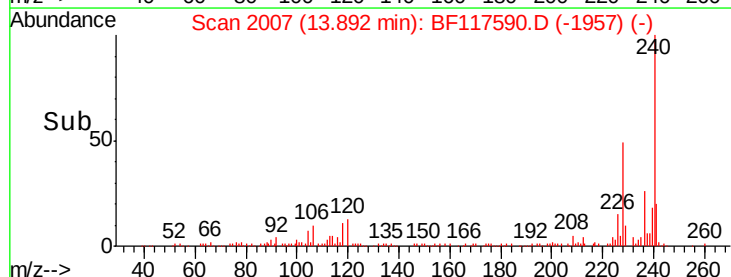
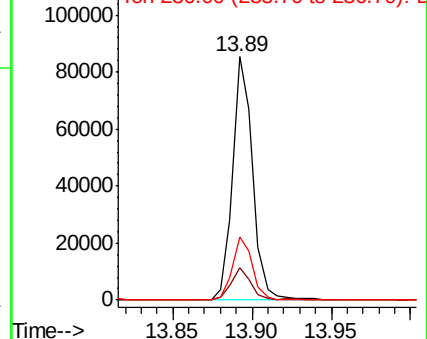


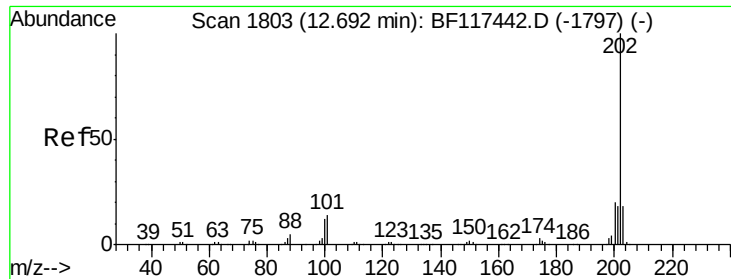
Abundance

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





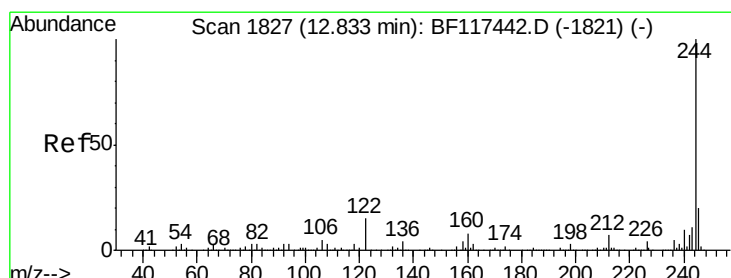
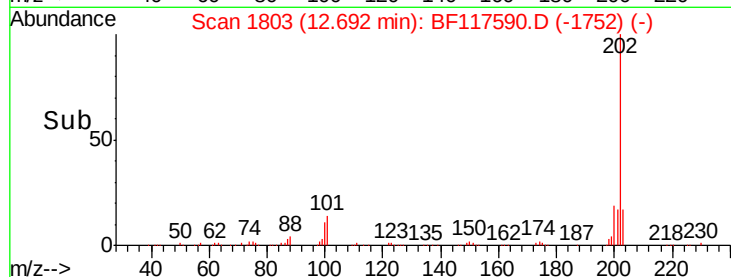
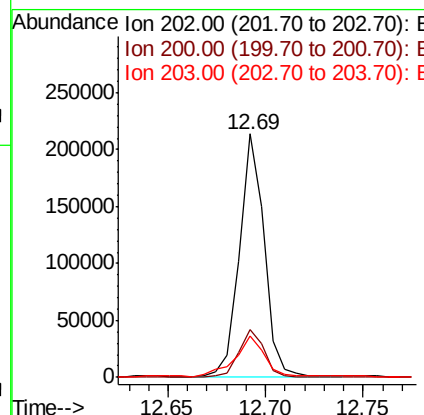
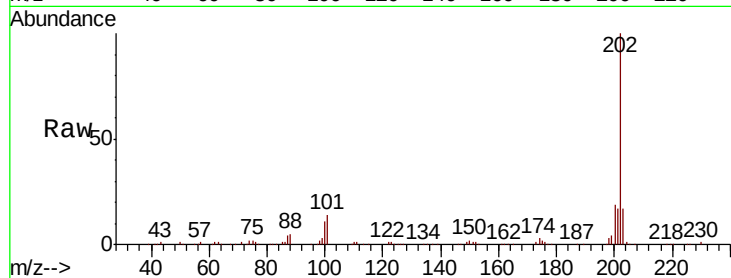
#78
Pvrene
Concen: 29.368 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117590.D
Acq: 29 Oct 2019 14:57

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.4	16.2	24.2
203	17.1	14.0	21.0

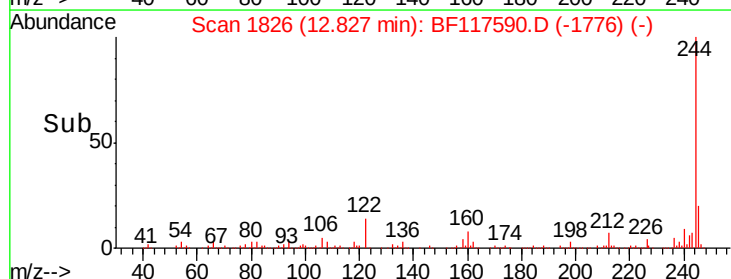
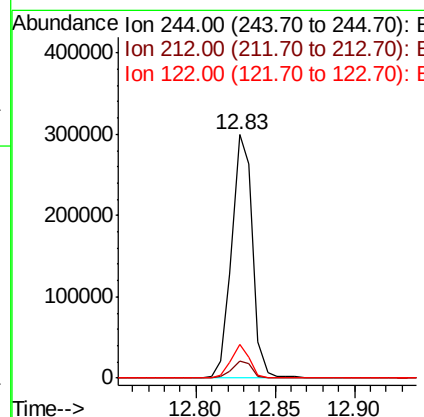
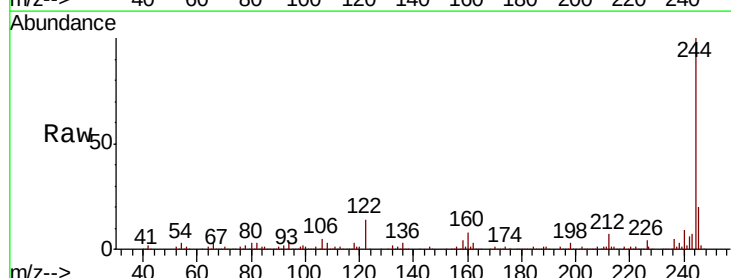
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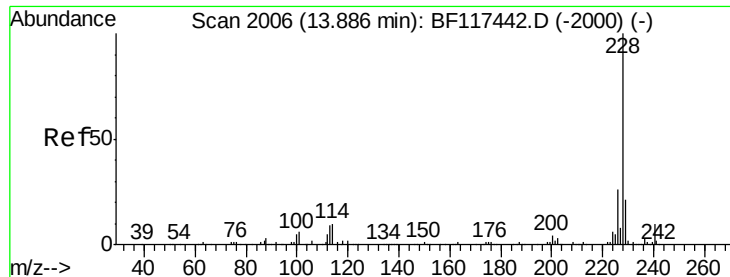
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#79
Terphenyl-d14
Concen: 59.854 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117590.D
Acq: 29 Oct 2019 14:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	14.0	11.8	17.8





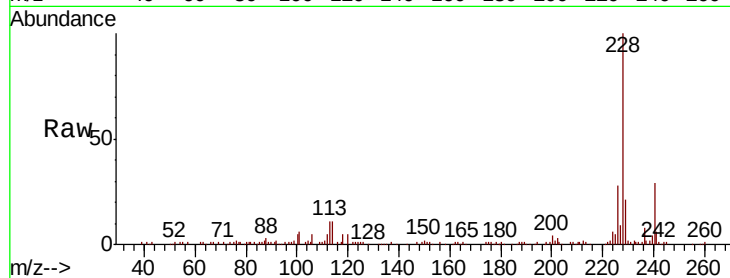
#81
Benzo(a)anthracene
Concen: 19.177 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117590.D
Acq: 29 Oct 2019 14:57

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

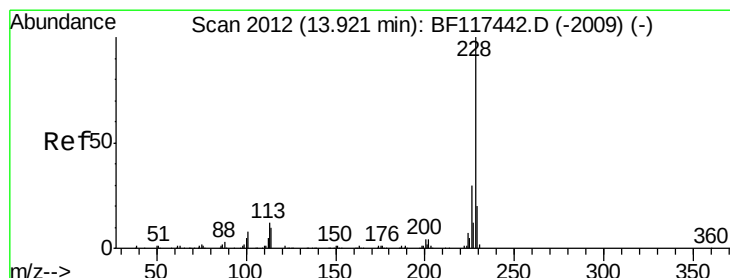
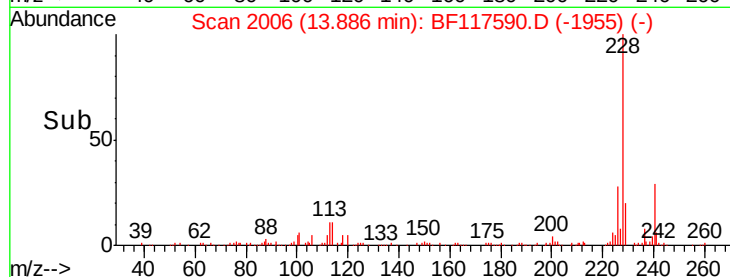
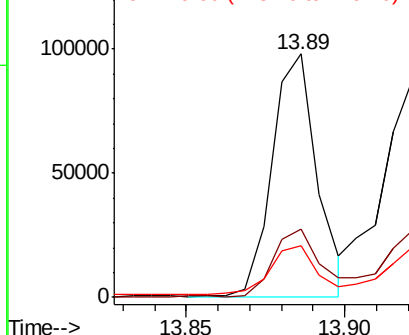
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.0	31.4
229	21.4	16.4	24.6

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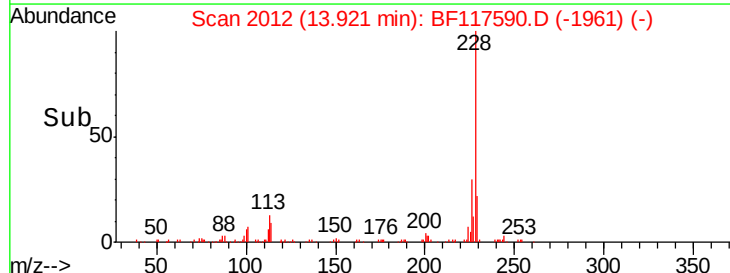
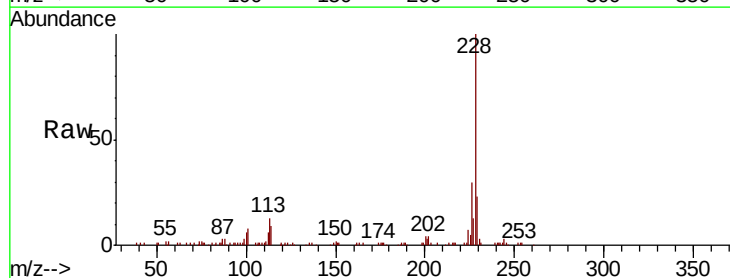
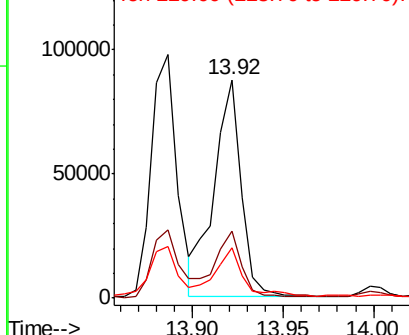
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

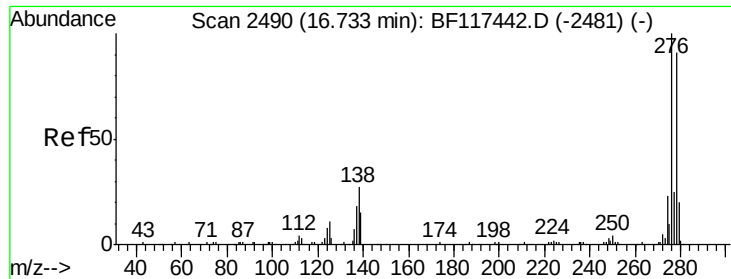


#83
Chrysene
Concen: 18.615 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117590.D
Acq: 29 Oct 2019 14:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.9	35.9
229	22.8	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





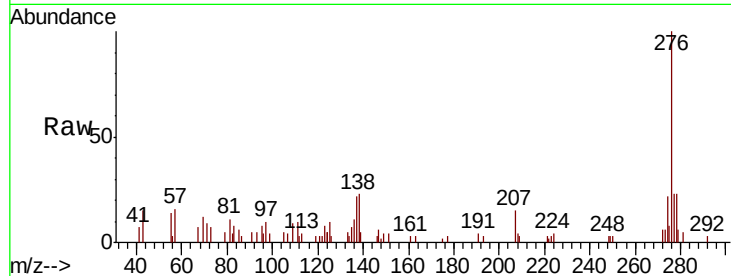
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.601 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BF117590.D
Acq: 29 Oct 2019 14:57

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

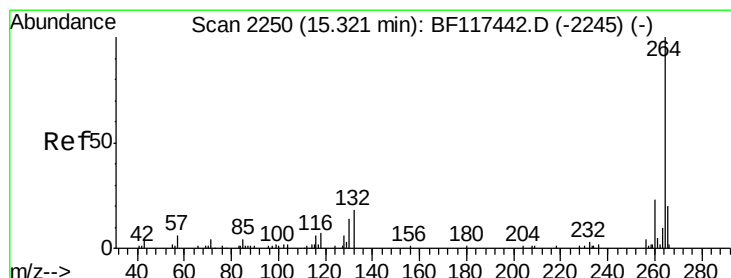
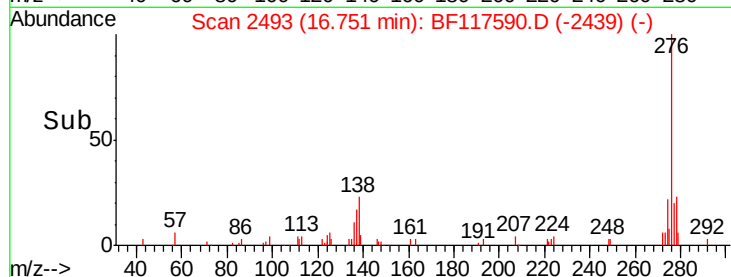
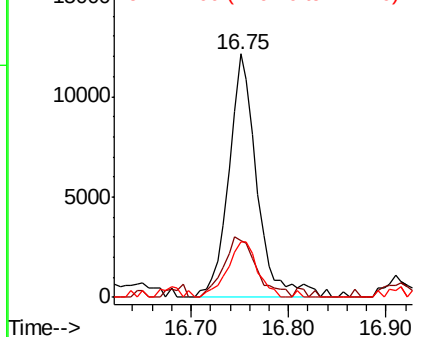
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.9	21.8	32.8
277	24.5	20.0	30.0

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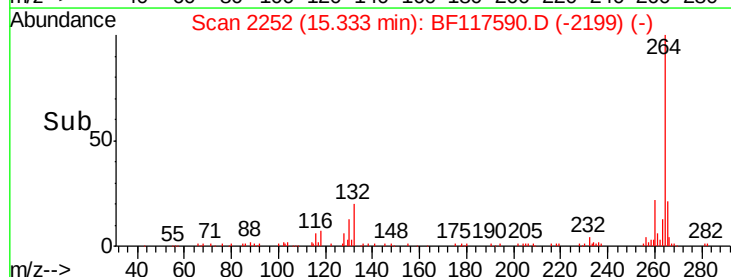
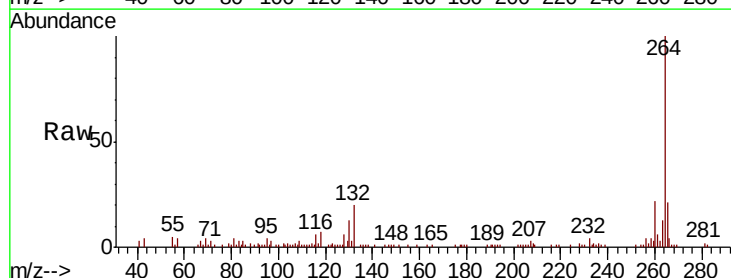
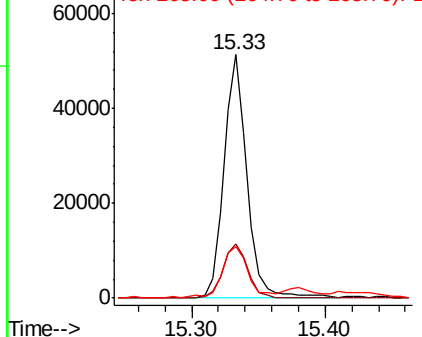
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

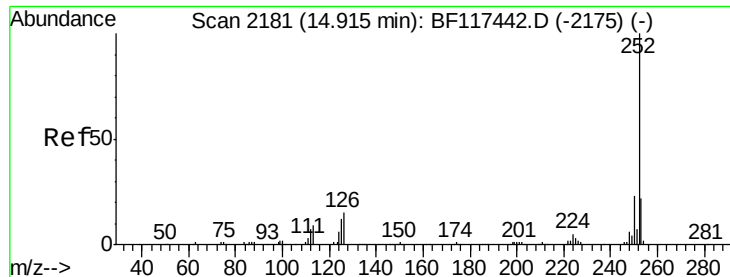


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117590.D
Acq: 29 Oct 2019 14:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.4	27.6
265	21.2	16.1	24.1

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 22.011 ng m

RT: 14.92 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF117590.D

Acq: 29 Oct 2019 14:57

Instrument :

BNA_F

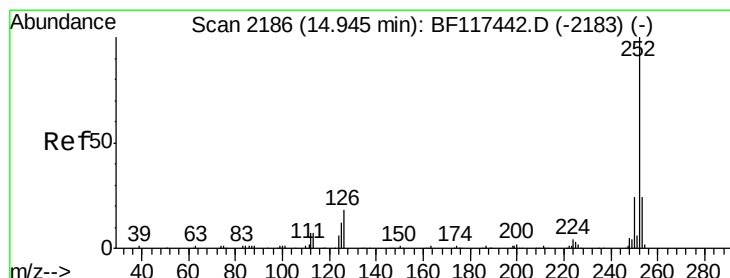
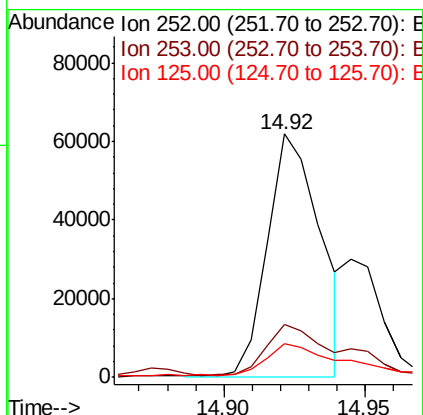
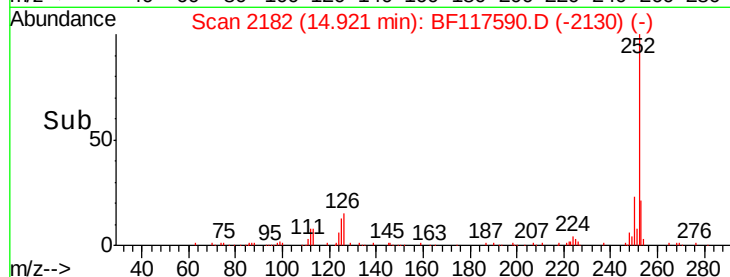
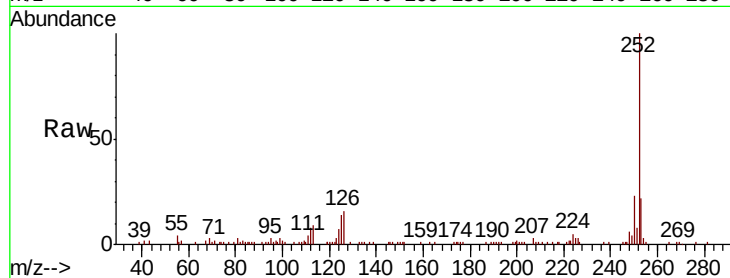
ClientSampleId :

CSA-2-1-2

Tot Ion:	252	Resp:	81020
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.8	26.6
125	13.8	9.9	14.9

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#89

Benzo(k)fluoranthene

Concen: 7.636 ng m

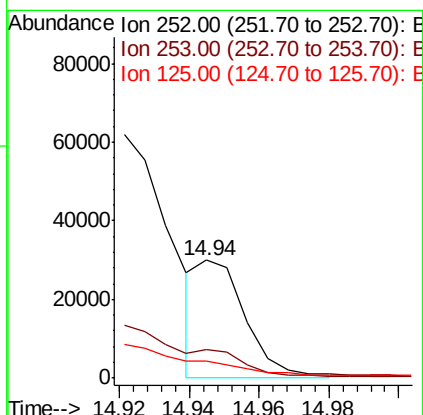
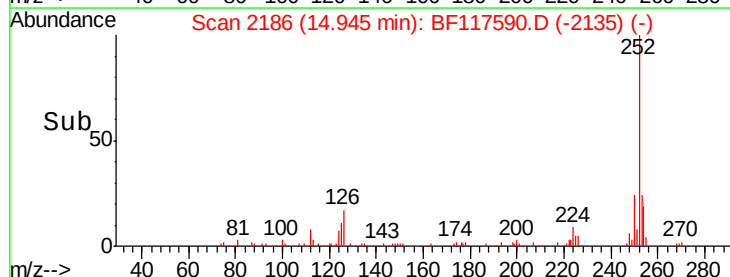
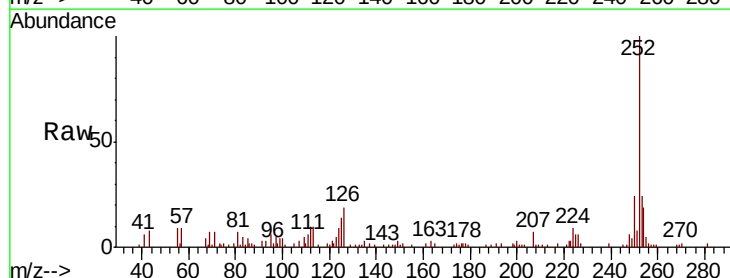
RT: 14.94 min Scan# 2186

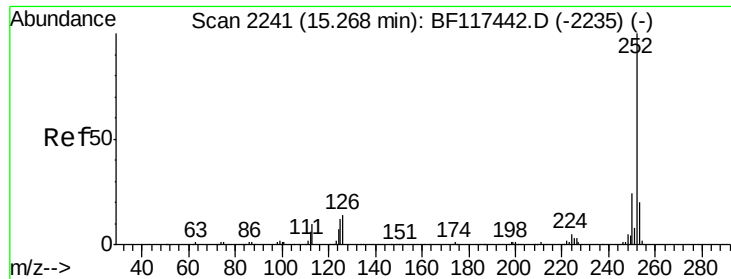
Delta R.T. -0.00 min

Lab File: BF117590.D

Acq: 29 Oct 2019 14:57

Tgt Ion:	252	Resp:	28807
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.0	27.0
125	14.2	8.9	13.3#





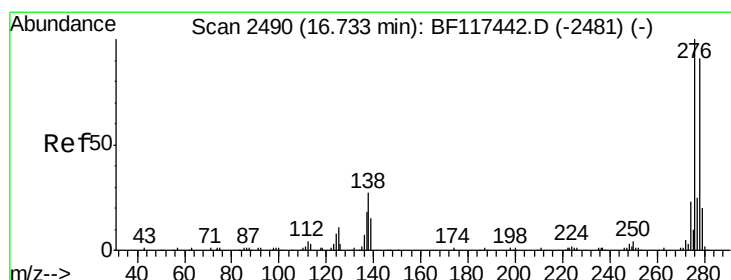
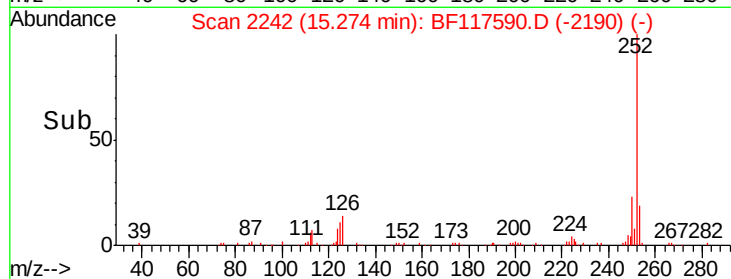
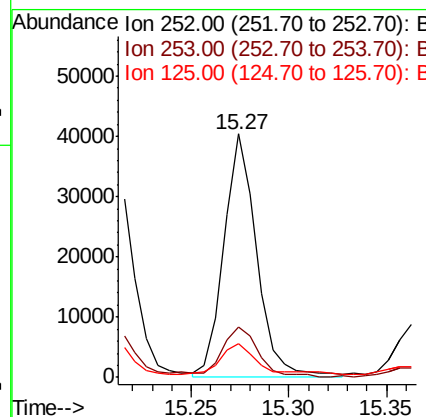
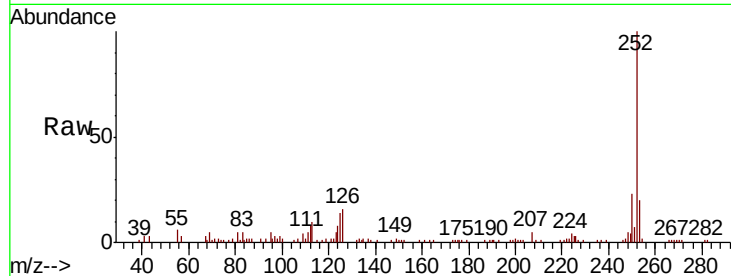
#90
Benzo(a)pyrene
Concen: 14.173 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117590.D
Acq: 29 Oct 2019 14:57

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.4	16.3	24.5
125	13.7	9.2	13.8

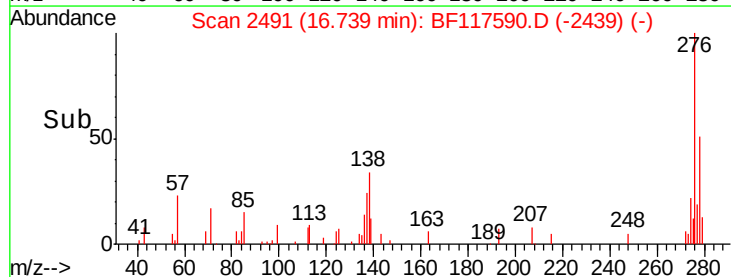
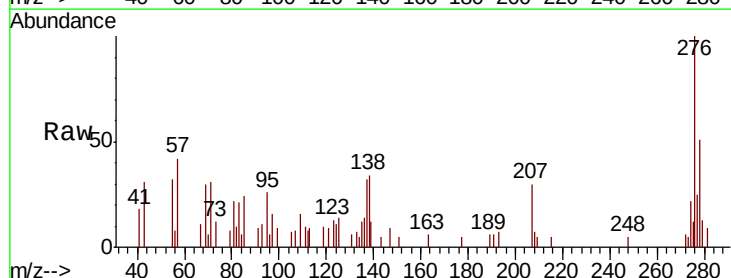
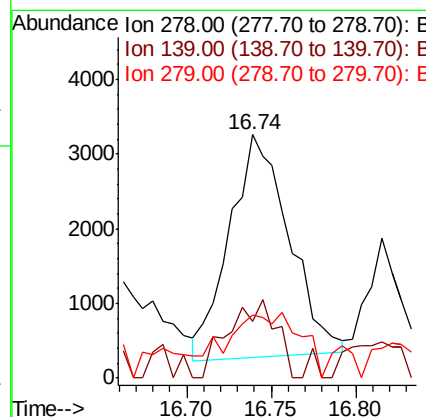
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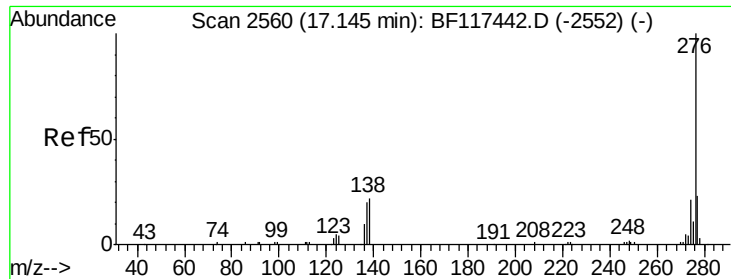
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#91
Dibenzo(a,h)anthracene
Concen: 2.525 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BF117590.D
Acq: 29 Oct 2019 14:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.4	13.4	20.0#
279	26.1	17.8	26.6





#92
 Benzo(a,h,i)perylene
 Concen: 7.458 ng
 RT: 17.18 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: BF117590.D
 Acq: 29 Oct 2019 14:57

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.4	27.6
138	24.4	17.8	26.6

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