

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117610.D
 Acq On : 30 Oct 2019 00:46
 Operator : JU
 Sample : K5576-16 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSA-2-1-5

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Quant Time: Oct 30 05:04:38 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	34577	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	131432	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	58557	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	92636	20.00	ng	0.00
76) Chrysene-d12	13.90	240	67302	20.00	ng	0.00
87) Perylene-d12	15.33	264	53264	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	38083	16.39	ng	0.02
7) Phenol-d6	6.40	99	54020	17.30	ng	0.02
23) Nitrobenzene-d5	7.30	82	30899	11.61	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	8417	16.61	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	56996	13.71	ng	-0.01
79) Terphenyl-d14	12.83	244	54864	13.30	ng	0.00

Target Compounds

						Qvalue
49) Acenaphthylene	9.62	152	98224	18.296	ng	99
50) Dimethylphthalate	9.48	163	9033	2.164	ng	99
71) Phenanthrene	11.27	178	101212	18.816	ng	99
72) Anthracene	11.33	178	84816	15.367	ng	98
73) Carbazole	11.49	167	18499	3.668	ng	94
75) Fluoranthene	12.47	202	387449	71.952	ng	100
78) Pyrene	12.70	202	372095	64.367	ng	99
80) Butylbenzylphthalate	13.30	149	61344	21.324	ng	98
81) Benzo(a)anthracene	13.89	228	200555m	44.177	ng	
83) Chrysene	13.93	228	182949	41.119	ng	97
84) Bis(2-ethylhexyl)phthalate	13.86	149	22883	5.679	ng	94
86) Indeno(1,2,3-cd)pyrene	16.76	276	82692	24.893	ng	# 90
88) Benzo(b)fluoranthene	14.93	252	221186m	70.323	ng	
89) Benzo(k)fluoranthene	14.95	252	63311m	19.639	ng	
90) Benzo(a)pyrene	15.28	252	123516	43.192	ng	# 93
91) Dibenzo(a,h)anthracene	16.74	278	17707	7.161	ng	# 85
92) Benzo(a,h,i)perylene	17.19	276	68073	29.096	ng	# 92

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

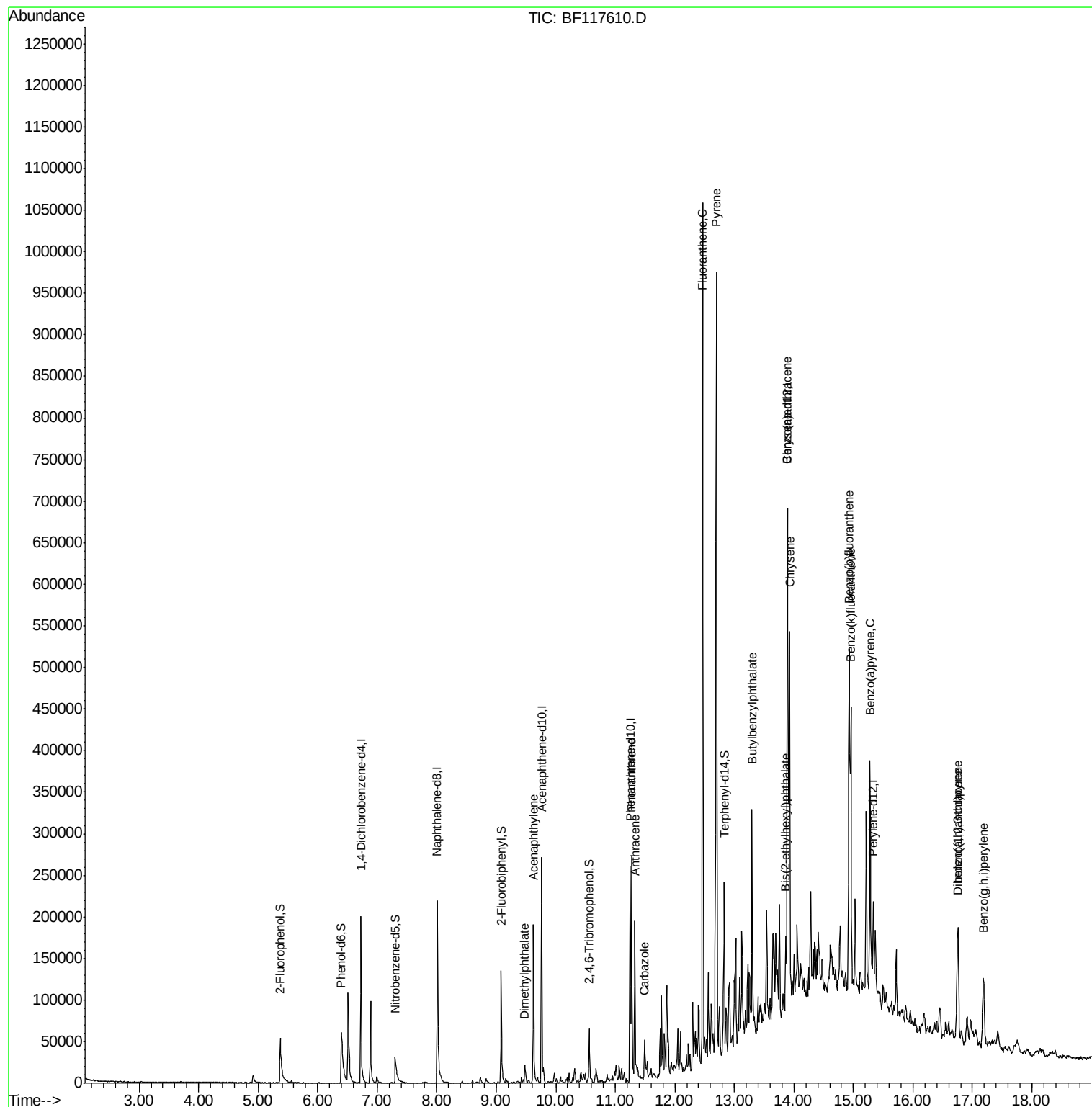
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117610.D
Acq On : 30 Oct 2019 00:46
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ALS Vial : 31 Sample Multiplier: 1

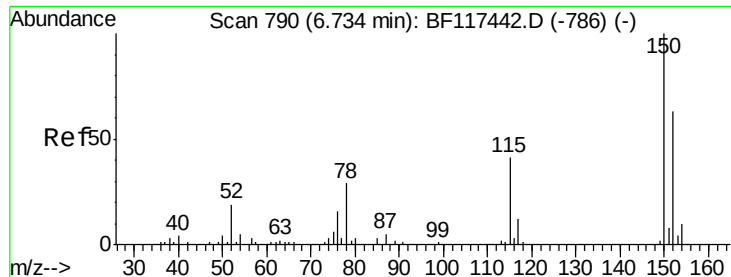
Instrument :
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ClientSampleId :
CSA-2-1-5

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Quant Time: Oct 30 05:04:38 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

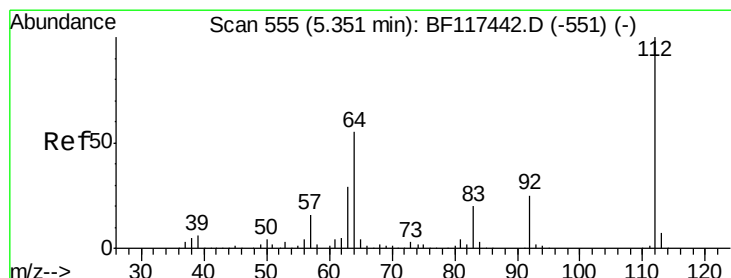
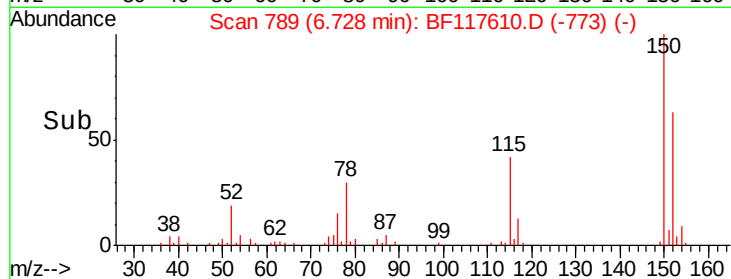
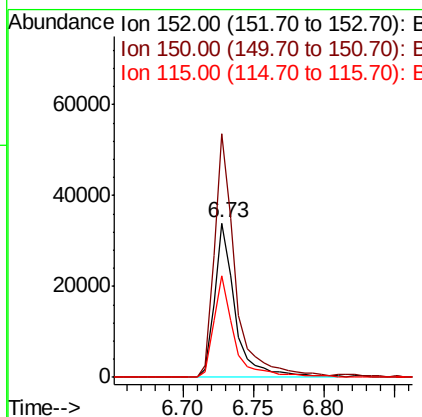
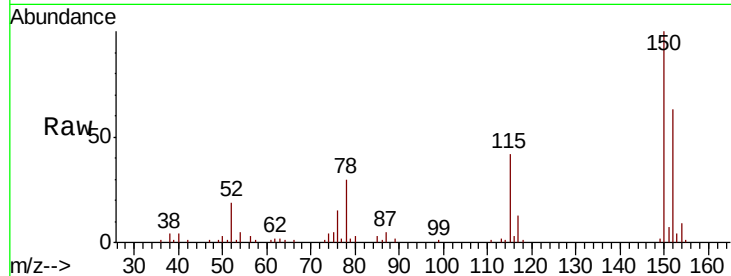
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117610.D
Acq: 30 Oct 2019 00:46

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	126.8	190.2
115	65.7	51.6	77.4

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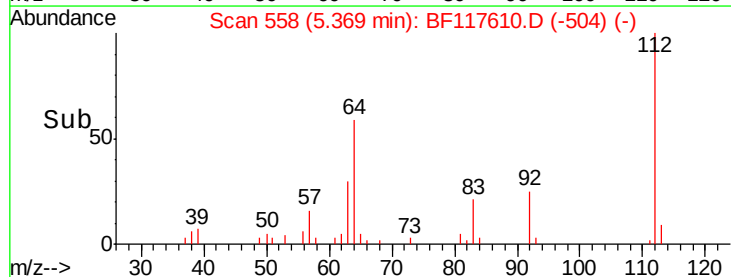
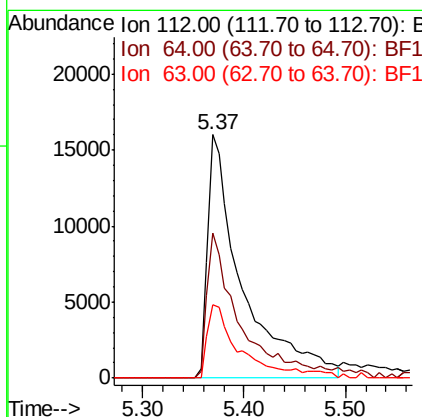
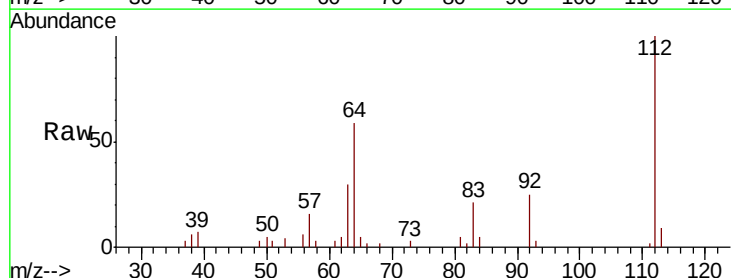
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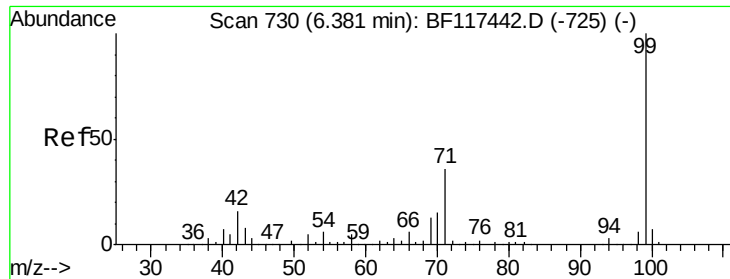


#5

2-Fluorophenol
Concen: 16.386 ng
RT: 5.37 min Scan# 558
Delta R.T. 0.02 min
Lab File: BF117610.D
Acq: 30 Oct 2019 00:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	44.1	66.1
63	30.1	23.4	35.2





#7

Phenol-d6

Concen: 17.305 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.02 min

Lab File: BF117610.D

Acq: 30 Oct 2019 00:46

Instrument :

BNA_F

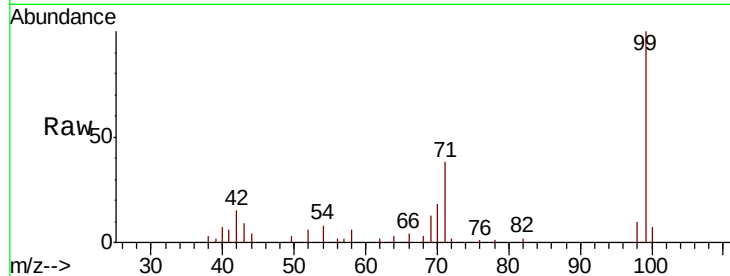
ClientSampleId :

CSA-2-1-5

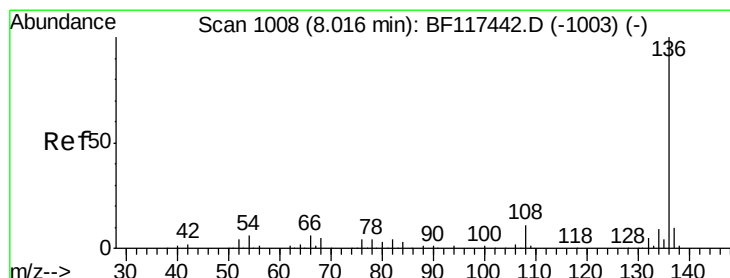
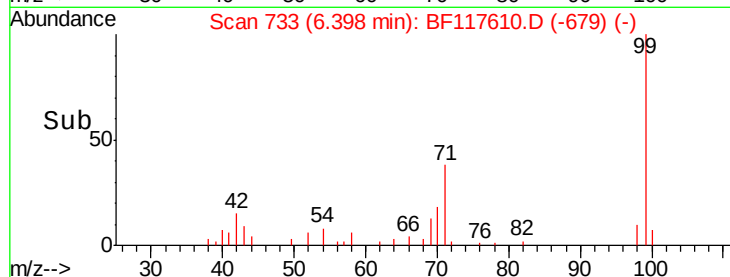
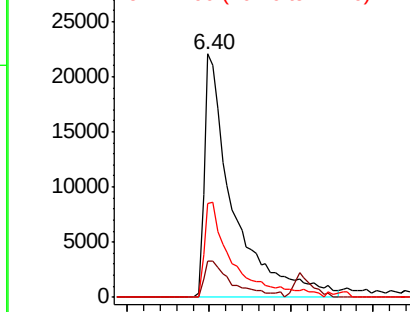
Tot Ion:	99	Resp:	54020
Ion	Ratio	Lower	Upper
99	100		
42	14.8	12.8	19.2
71	38.3	28.6	43.0

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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

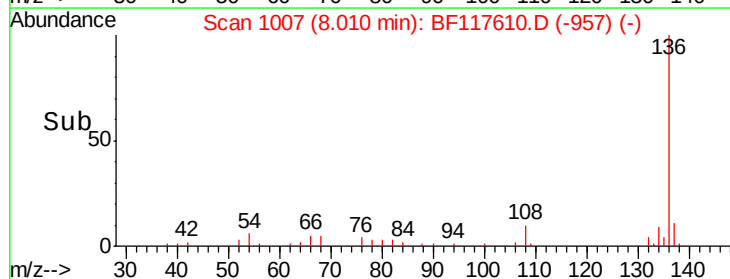
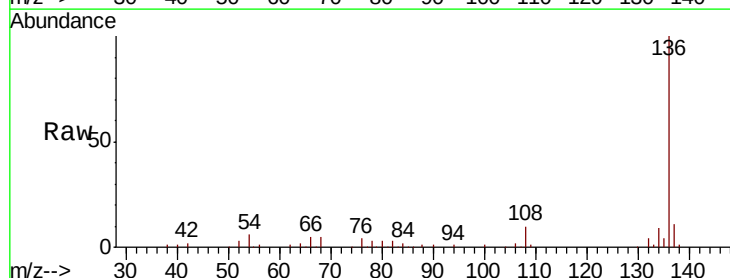
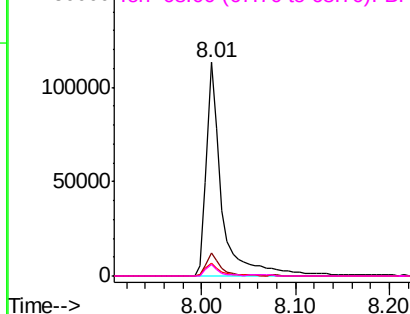
Delta R.T. -0.01 min

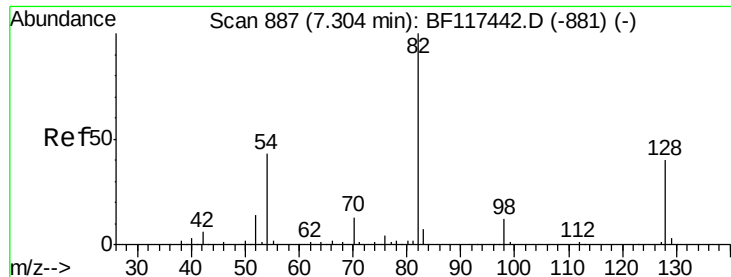
Lab File: BF117610.D

Acq: 30 Oct 2019 00:46

Tgt Ion:	136	Resp:	131432
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.2	12.4
54	5.8	4.5	6.7
68	5.2	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





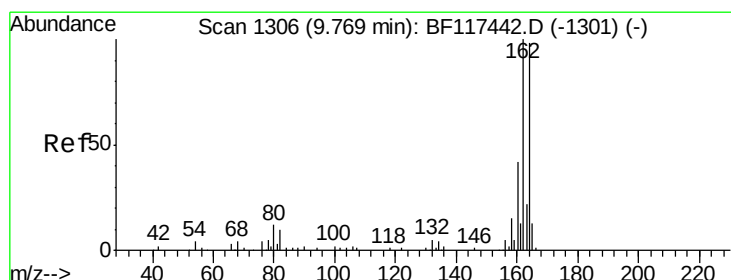
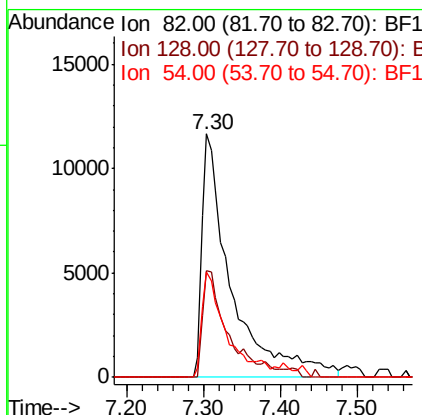
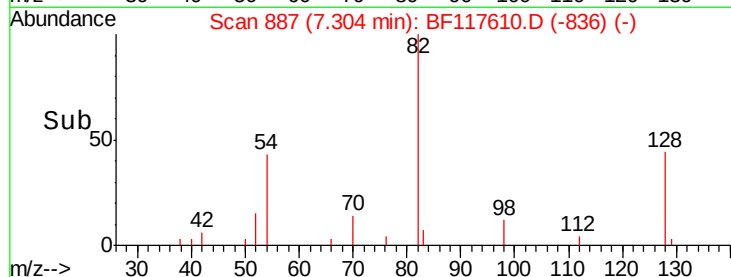
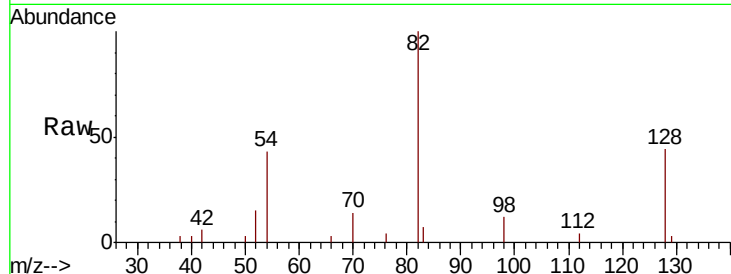
#23
Nitrobenzene-d5
Concen: 11.606 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.00 min
Lab File: BF117610.D
Acq: 30 Oct 2019 00:46

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	82	Resp	30899
Ion Ratio	100	Lower	Upper
128	43.8	32.2	48.2
54	43.4	34.2	51.2

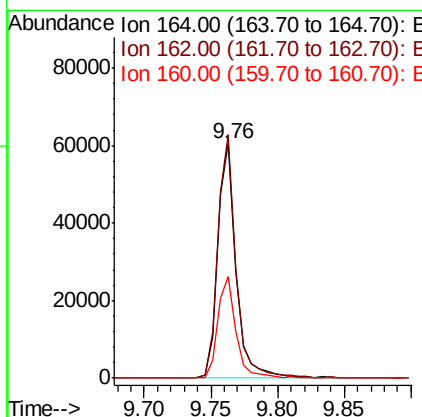
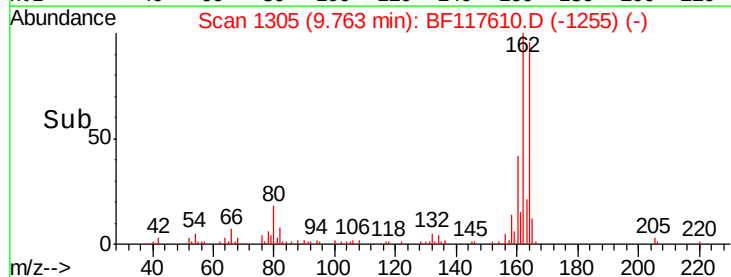
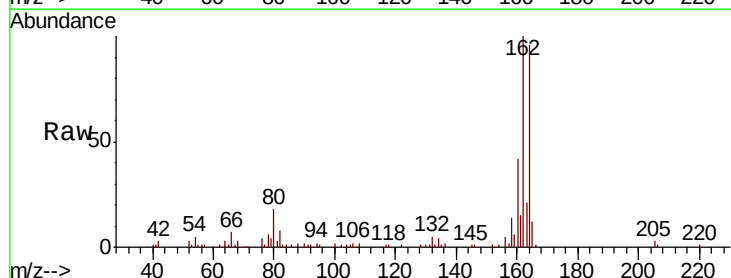
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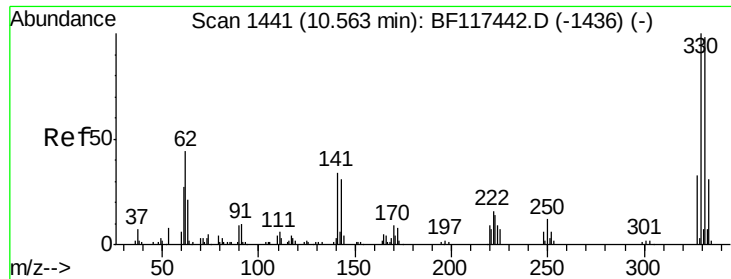
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117610.D
Acq: 30 Oct 2019 00:46

Tgt Ion	164	Resp	58557
Ion Ratio	100	Lower	Upper
162	104.0	81.8	122.6
160	43.4	34.4	51.6





#42

2,4,6-Tribromophenol

Concen: 16.612 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.00 min

Lab File: BF117610.D

Acq: 30 Oct 2019 00:46

Instrument :

BNA_F

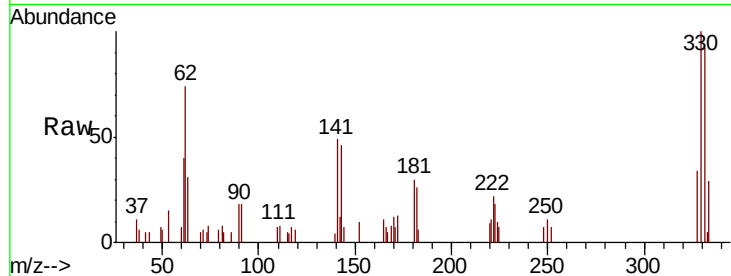
ClientSampleId :

CSA-2-1-5

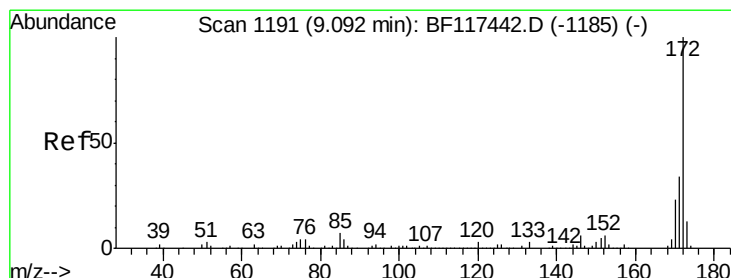
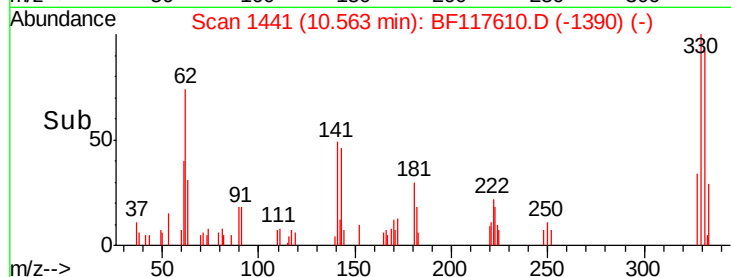
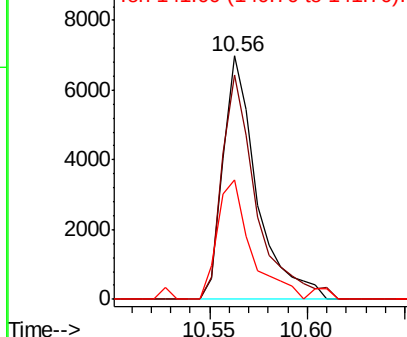
Tot Ion:	330	Resp:	8417
Ion Ratio	Lower	Upper	
330	100		
332	93.6	78.5	117.7
141	48.7	37.0	55.6

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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: 13.714 ng

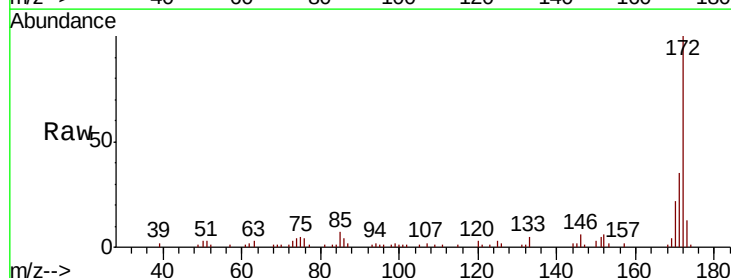
RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

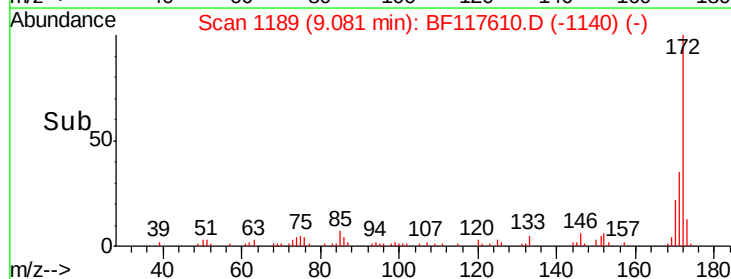
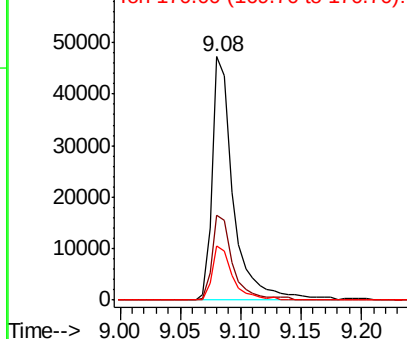
Lab File: BF117610.D

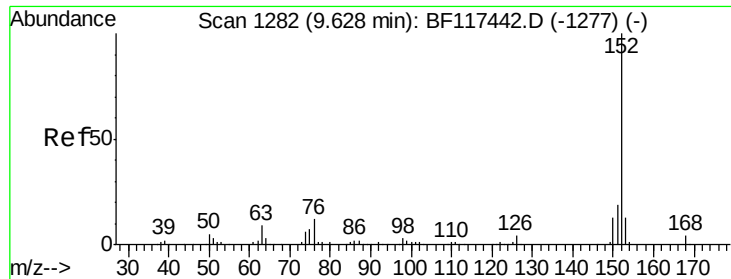
Acq: 30 Oct 2019 00:46

Tgt Ion:	172	Resp:	56996
Ion Ratio	Lower	Upper	
172	100		
171	34.9	27.5	41.3
170	22.2	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: 18.296 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF117610.D

Acq: 30 Oct 2019 00:46

Instrument :

BNA_F

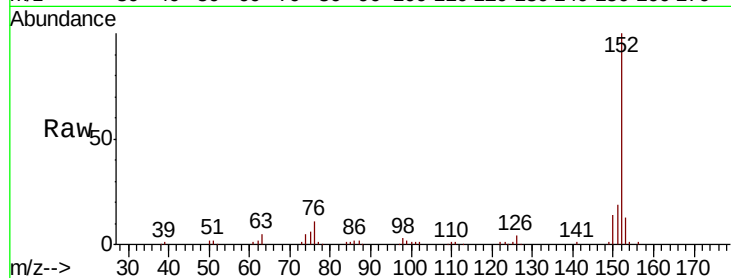
ClientSampleId :

CSA-2-1-5

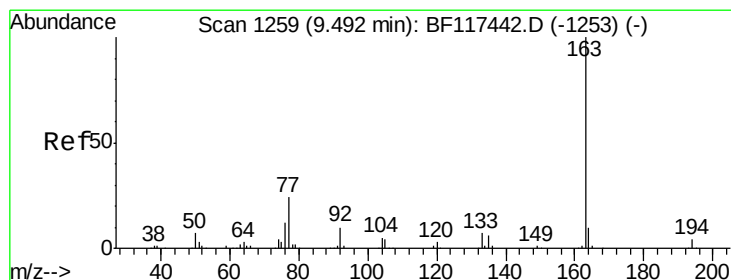
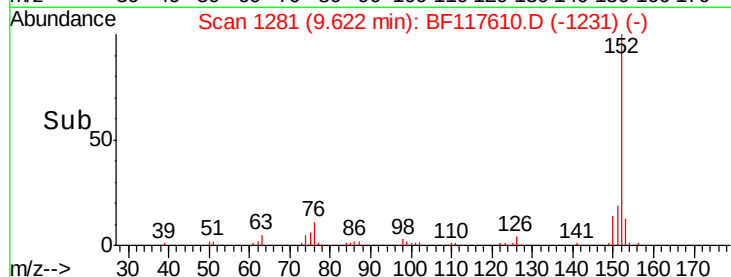
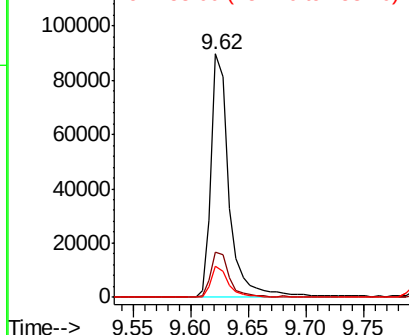
Tot Ion:	152	Resp:	98224
Ion Ratio	Lower	Upper	
152	100		
151	18.8	15.4	23.0
153	12.7	10.3	15.5

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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: 2.164 ng

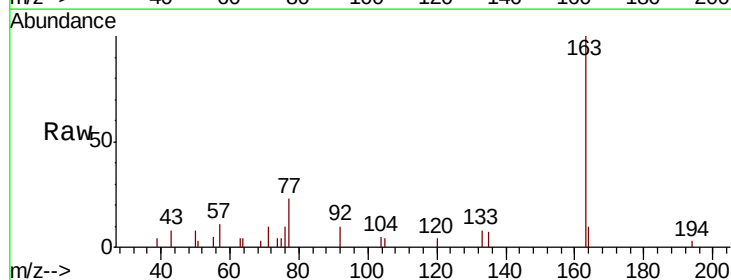
RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

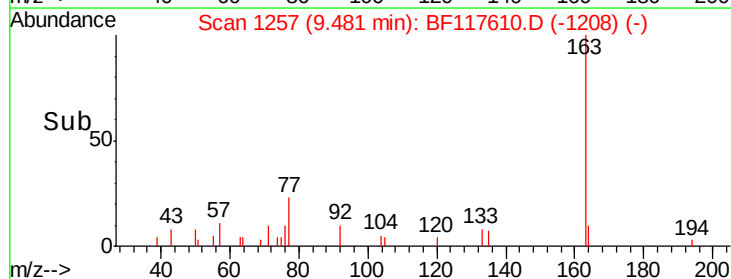
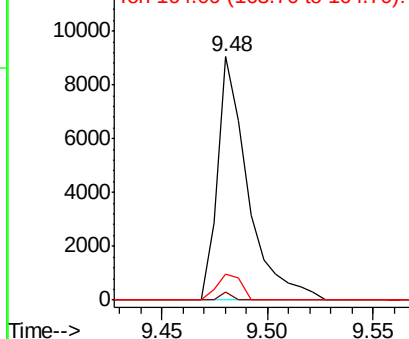
Lab File: BF117610.D

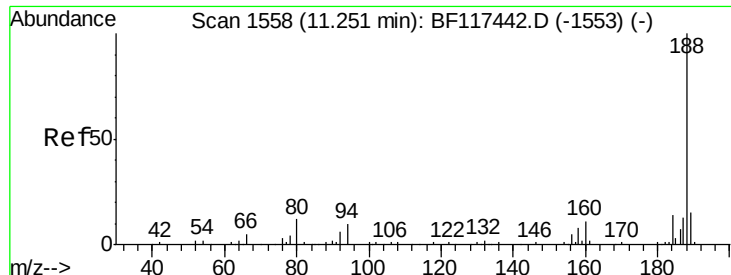
Acq: 30 Oct 2019 00:46

Tgt Ion:	163	Resp:	9033
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.9	4.3
164	10.4	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: BF117610.D

Acq: 30 Oct 2019 00:46

Instrument :

BNA_F

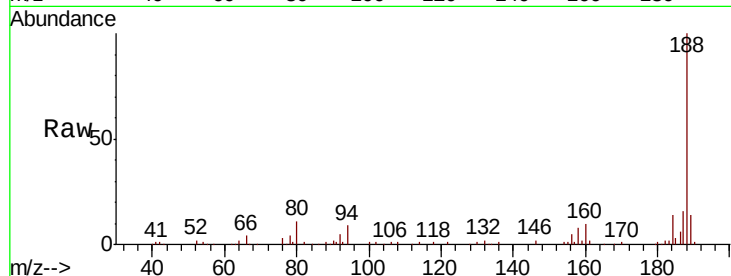
ClientSampled :

CSA-2-1-5

Tot Ion:	188	Resp:	92636
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.0	12.0
80	11.2	9.5	14.3

Manual Integrations
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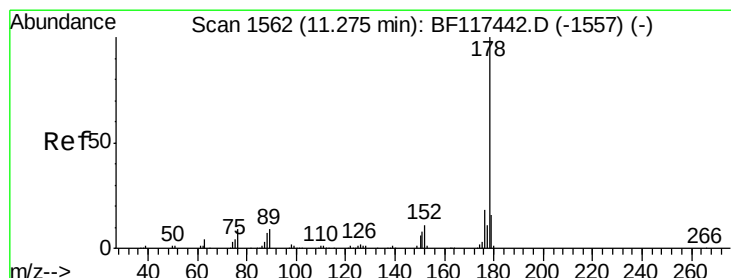
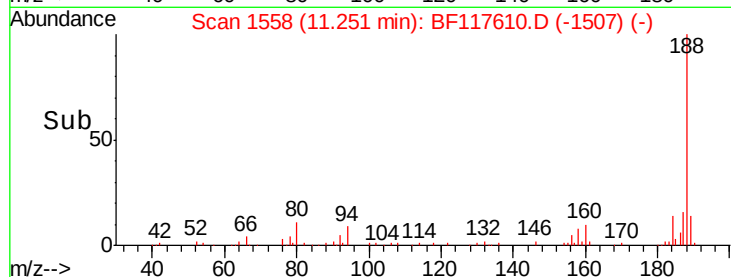
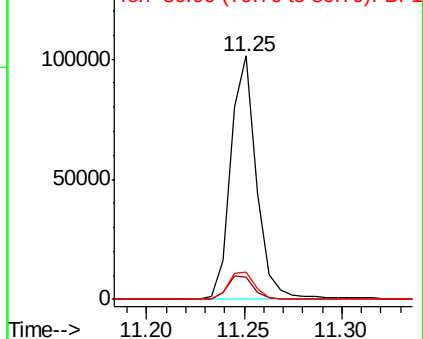
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 18.816 ng

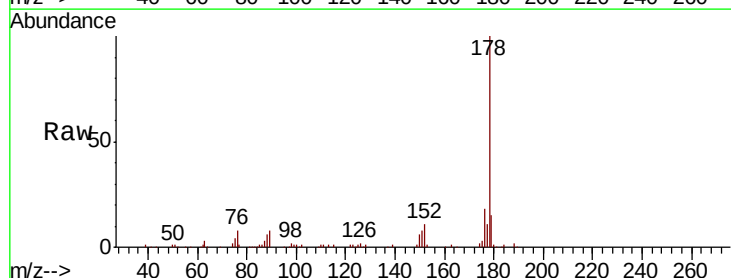
RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117610.D

Acq: 30 Oct 2019 00:46

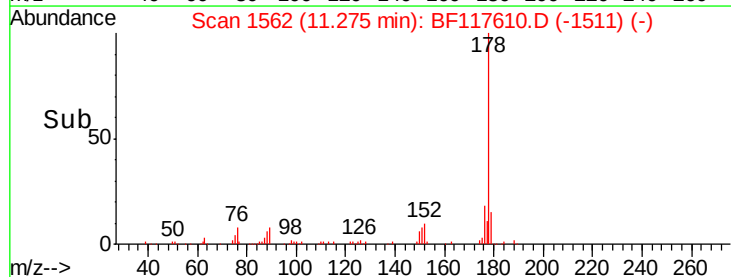
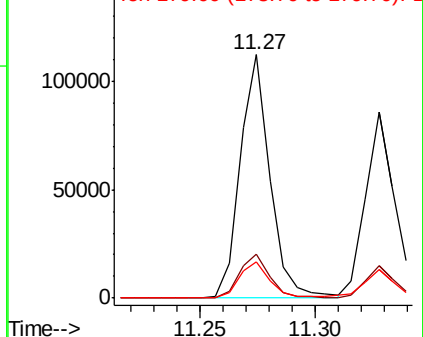
Tgt Ion:	178	Resp:	101212
Ion Ratio	Lower	Upper	
178	100		
176	17.9	14.6	22.0
179	14.9	12.6	19.0

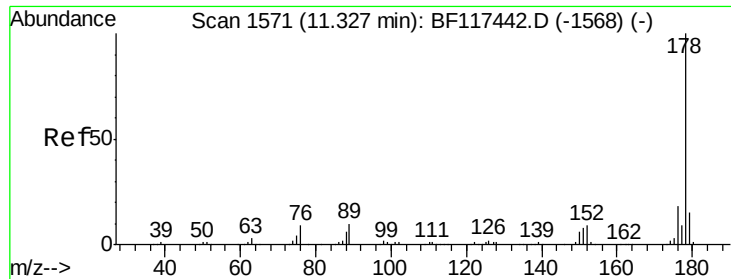


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 15.367 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF117610.D

Acq: 30 Oct 2019 00:46

Instrument :

BNA_F

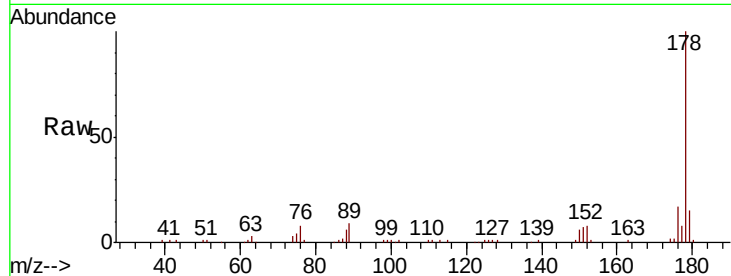
ClientSampleId :

CSA-2-1-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.1	14.7	22.1
179	15.2	12.2	18.2

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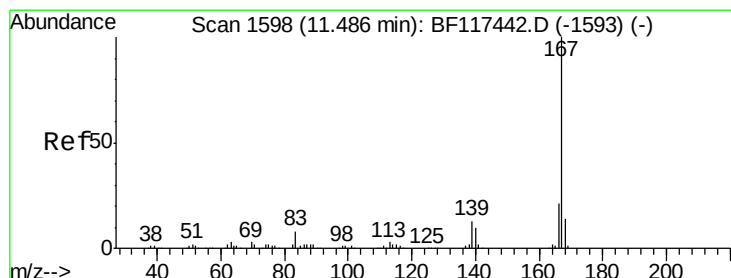
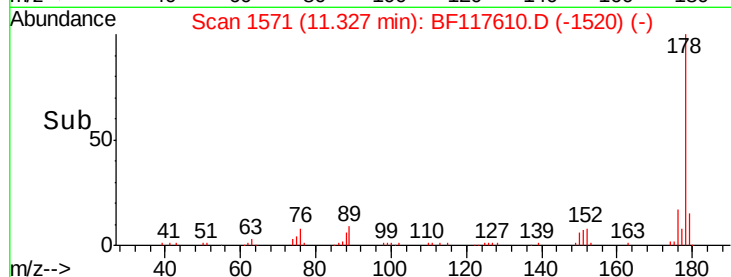
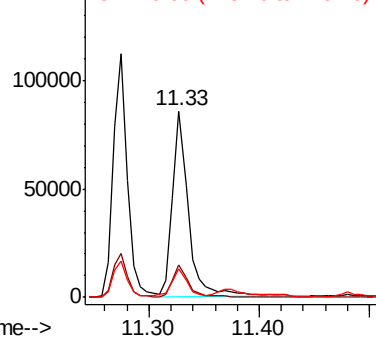


Abundance

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



#73

Carbazole

Concen: 3.668 ng

RT: 11.49 min Scan# 1599

Delta R.T. 0.01 min

Lab File: BF117610.D

Acq: 30 Oct 2019 00:46

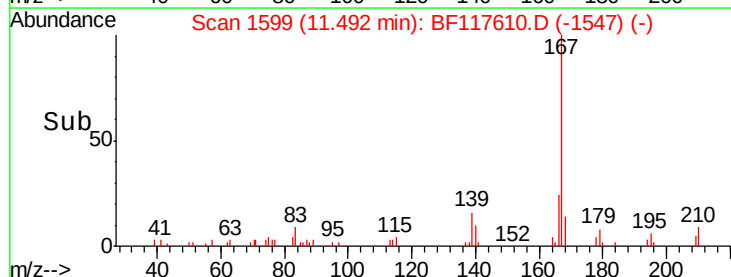
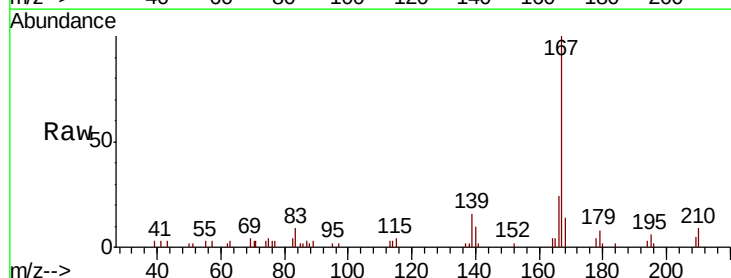
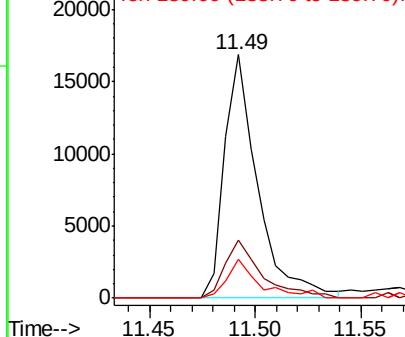
Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.0	17.0	25.6
139	15.7	10.6	16.0

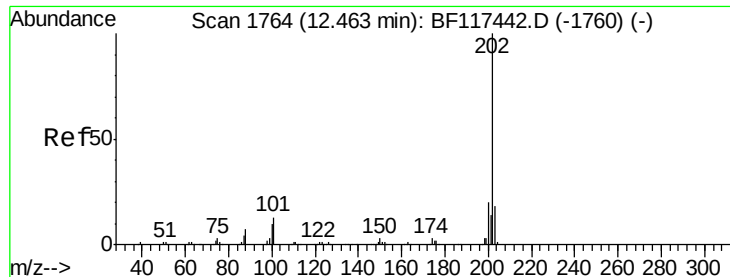
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 71.952 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117610.D

Acq: 30 Oct 2019 00:46

Instrument :

BNA_F

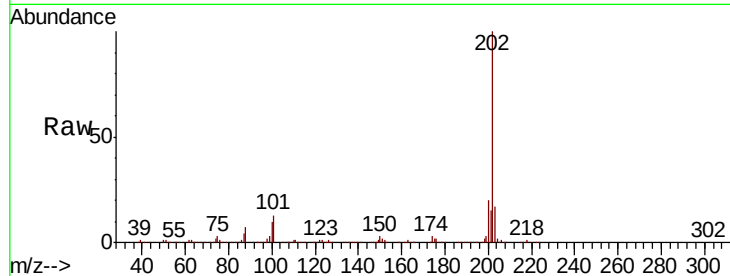
ClientSampled :

CSA-2-1-5

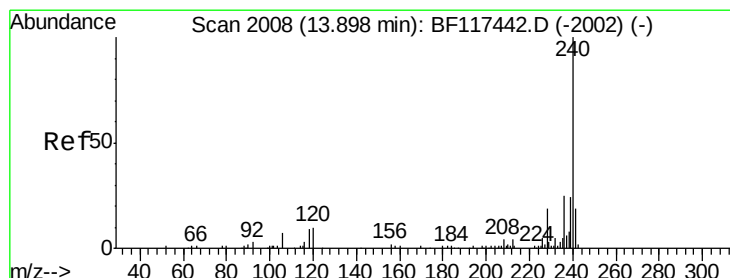
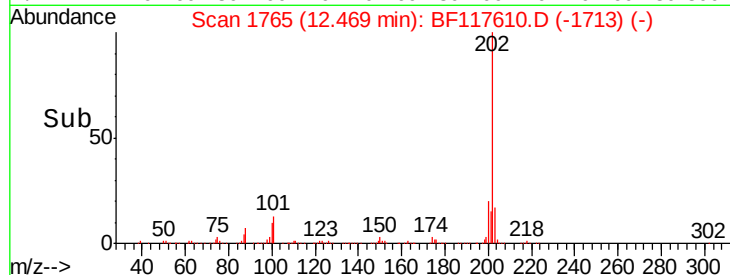
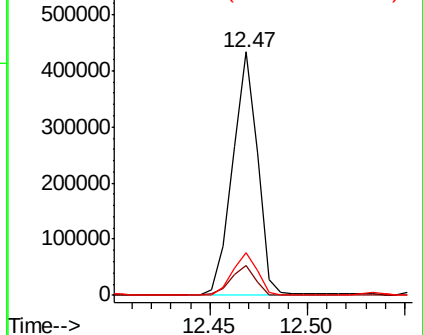
Tot Ion:	202	Resp:	387449
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	32.7
203	17.4	0.0	37.6

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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

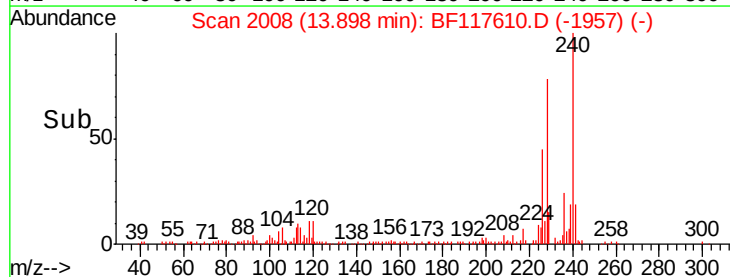
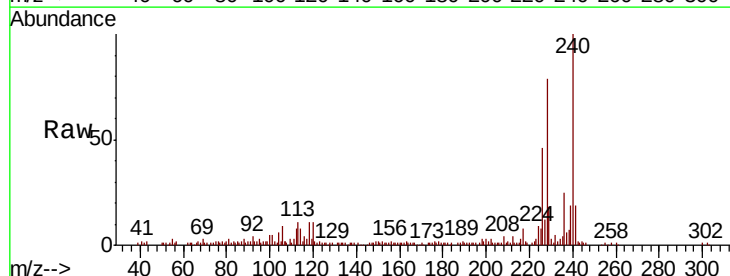
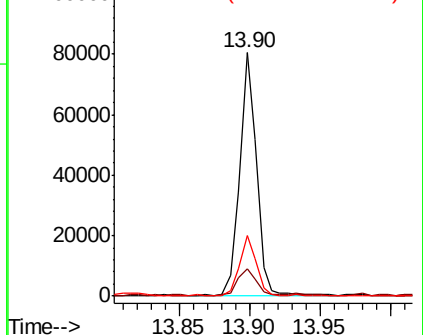
Delta R.T. -0.00 min

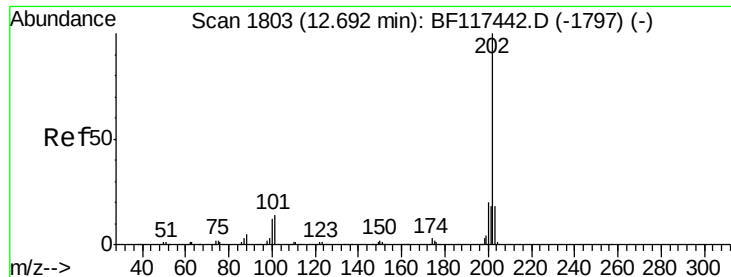
Lab File: BF117610.D

Acq: 30 Oct 2019 00:46

Tgt Ion:	240	Resp:	67302
Ion Ratio	Lower	Upper	
240	100		
120	11.2	8.4	12.6
236	24.9	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: 64.367 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.01 min

Lab File: BF117610.D

Acq: 30 Oct 2019 00:46

Instrument :

BNA_F

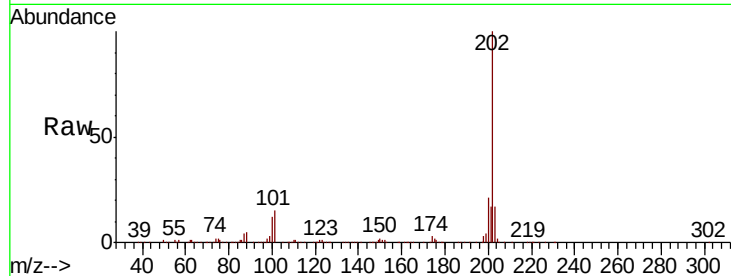
ClientSampled :

CSA-2-1-5

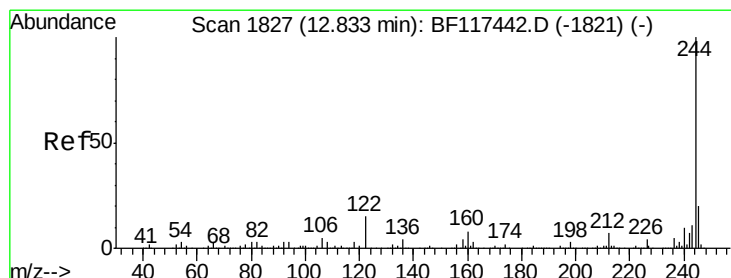
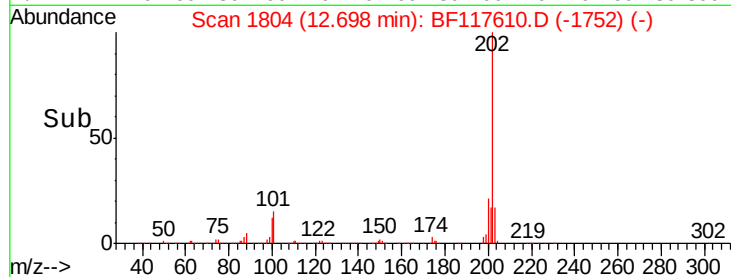
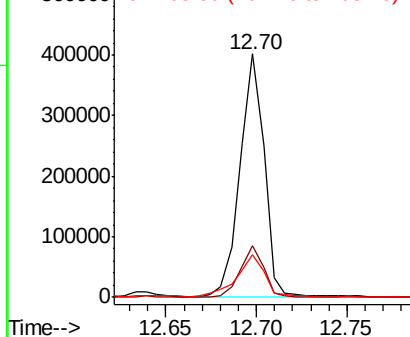
Tot Ion:	202	Resp:	372095
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.2	24.2
203	17.4	14.0	21.0

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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: 13.297 ng

RT: 12.83 min Scan# 1826

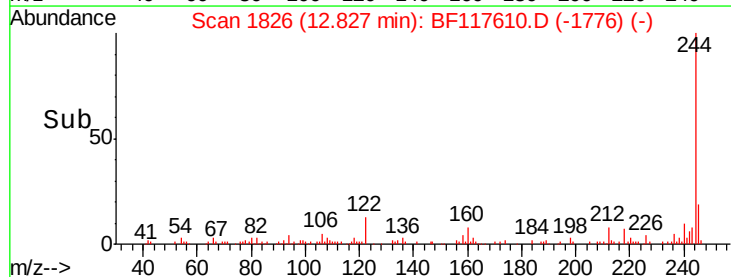
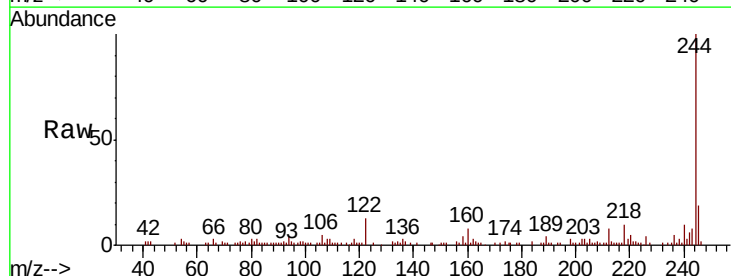
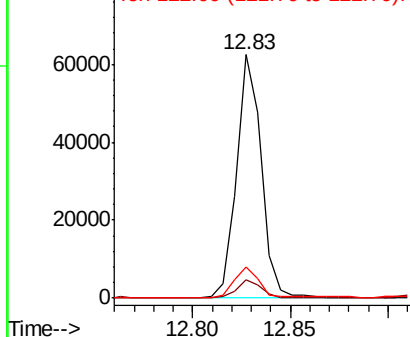
Delta R.T. -0.01 min

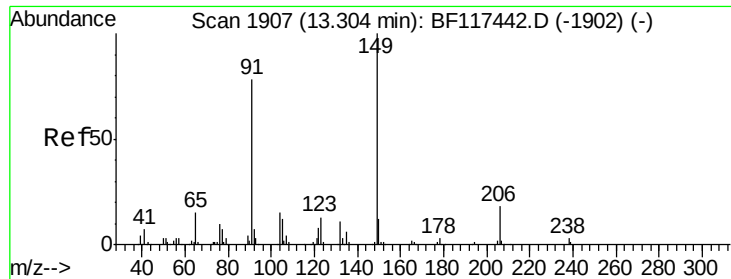
Lab File: BF117610.D

Acq: 30 Oct 2019 00:46

Tgt Ion:	244	Resp:	54864
Ion Ratio	Lower	Upper	
244	100		
212	7.7	5.8	8.6
122	12.8	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





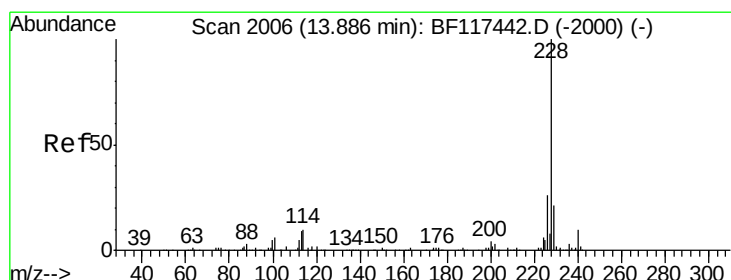
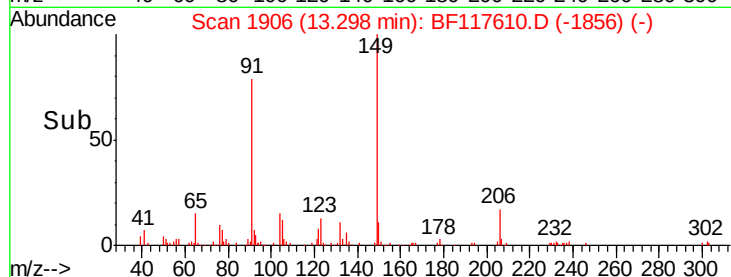
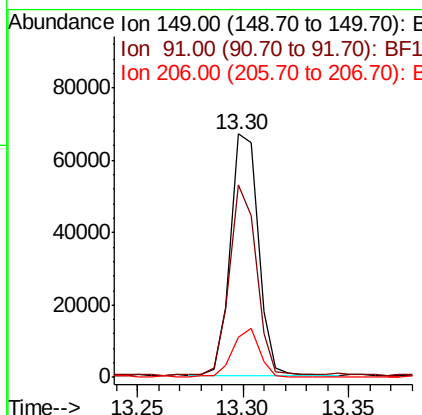
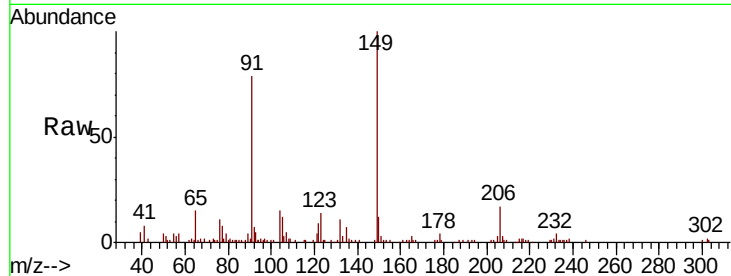
#80
Butylbenzylphthalate
Concen: 21.324 ng
RT: 13.30 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BF117610.D
Acq: 30 Oct 2019 00:46

Instrument :
BNA_F
ClientSampled :
CSA-2-1-5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
149	100		61344		
91	79.1	62.1	93.1		
206	16.6	14.3	21.5		

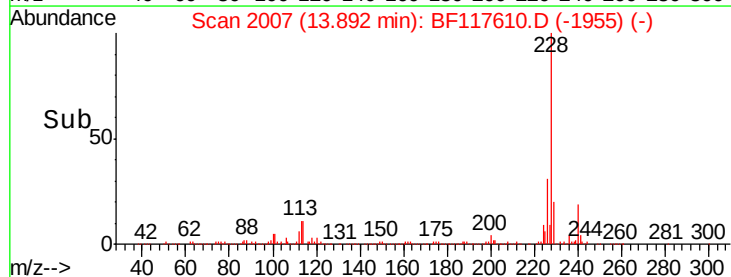
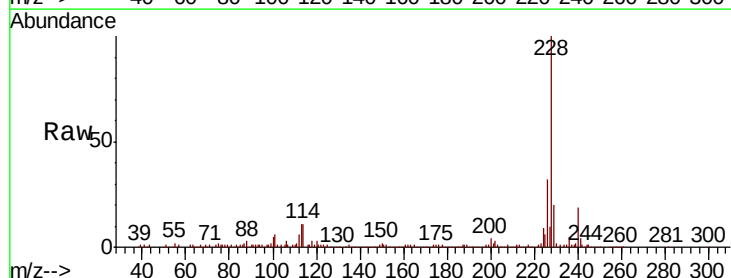
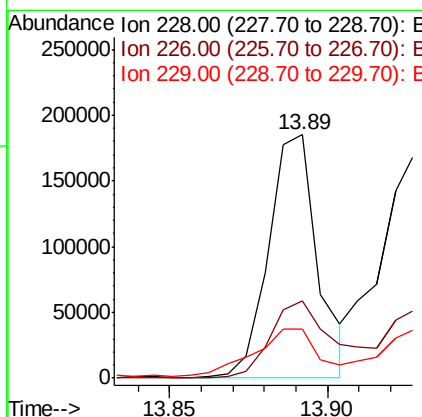
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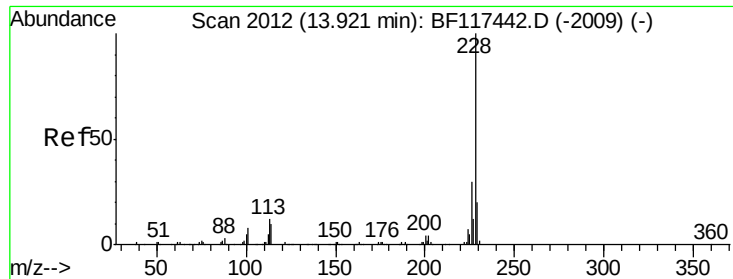
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#81
Benzo(a)anthracene
Concen: 44.177 ng m
RT: 13.89 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BF117610.D
Acq: 30 Oct 2019 00:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		200555		
226	31.7	21.0	31.4#		
229	20.0	16.4	24.6		





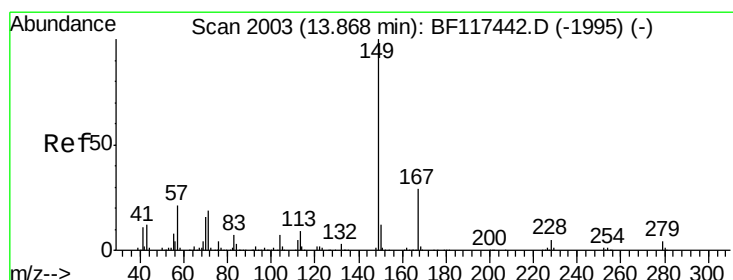
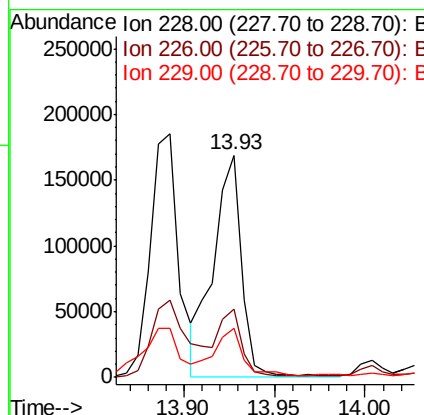
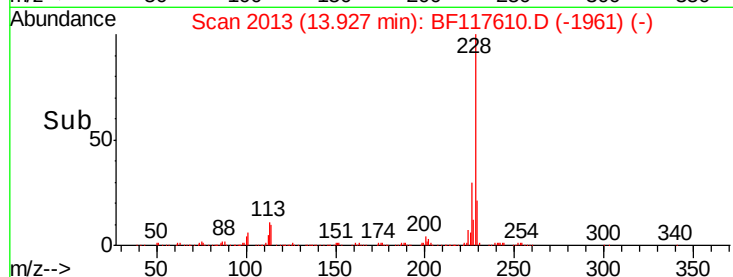
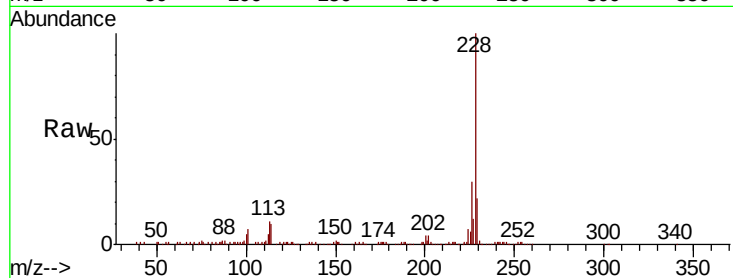
#83
Chrysene
Concen: 41.119 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF117610.D
Acq: 30 Oct 2019 00:46

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-5

Tot Ion:	228	Resp:	182949
Ion Ratio		Lower	Upper
228	100		
226	30.5	23.9	35.9
229	22.0	15.8	23.6

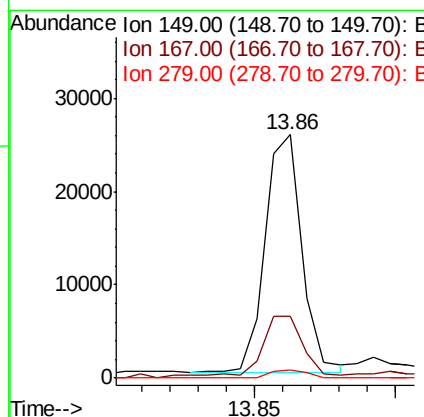
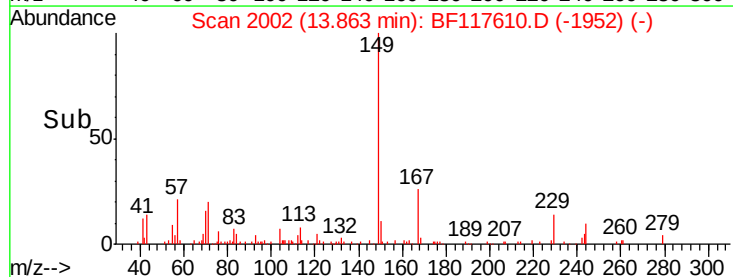
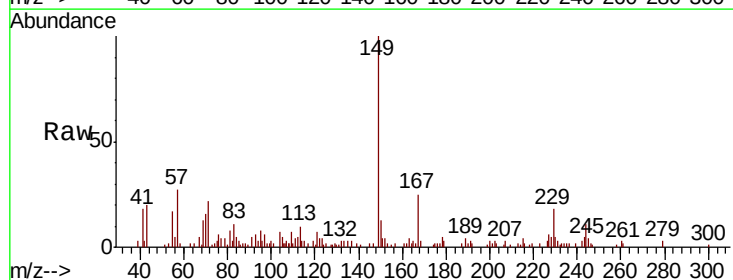
Manual Integrations
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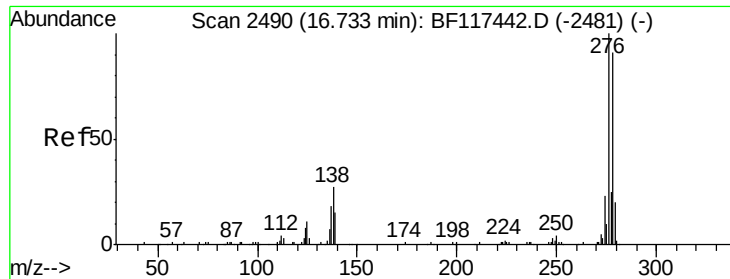
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#84
Bis(2-ethylhexyl)phthalate
Concen: 5.679 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF117610.D
Acq: 30 Oct 2019 00:46

Tgt Ion:	149	Resp:	22883
Ion Ratio		Lower	Upper
149	100		
167	25.4	23.3	34.9
279	3.4	3.2	4.8





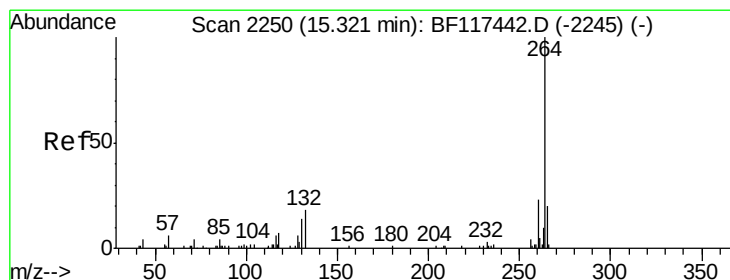
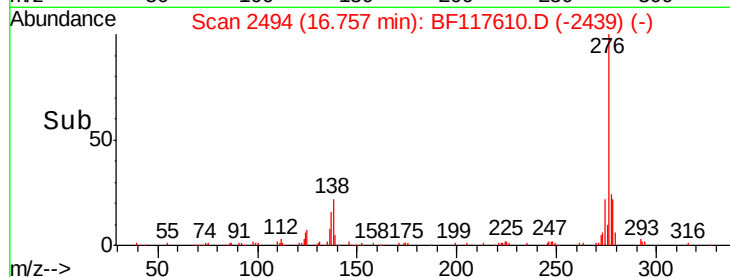
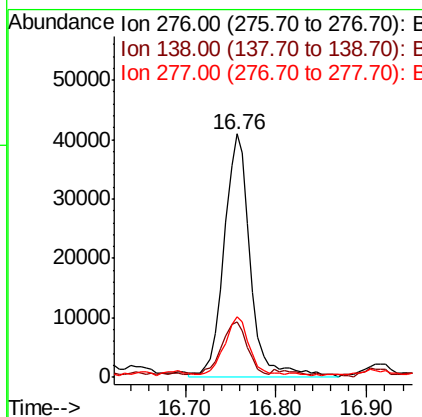
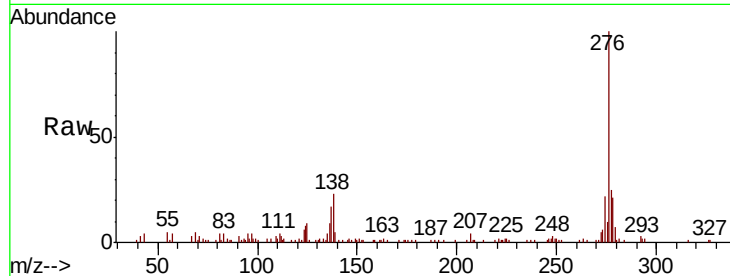
#86
Indeno(1,2,3-cd)pyrene
Concen: 24.893 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.02 min
Lab File: BF117610.D
Acq: 30 Oct 2019 00:46

Instrument :
BNA_F
ClientSampled :
CSA-2-1-5

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.4	21.8	32.8#
277	21.5	20.0	30.0

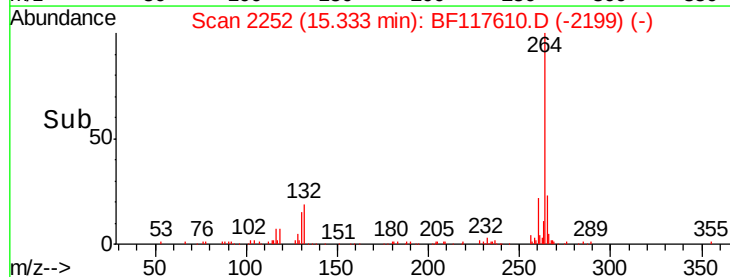
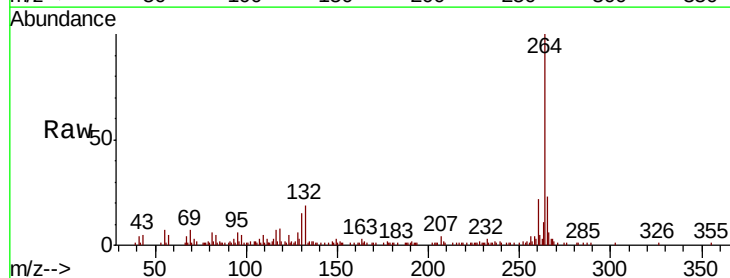
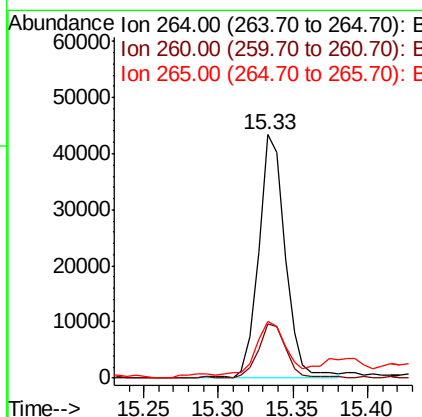
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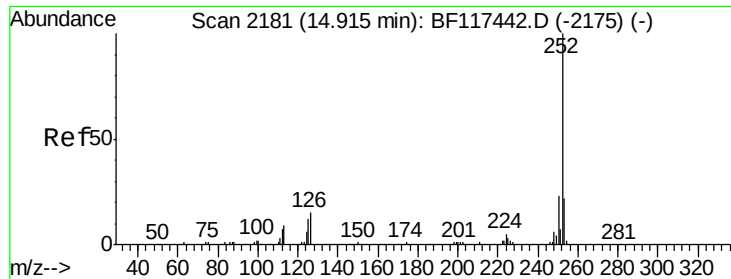
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117610.D
Acq: 30 Oct 2019 00:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.4	27.6
265	23.4	16.1	24.1





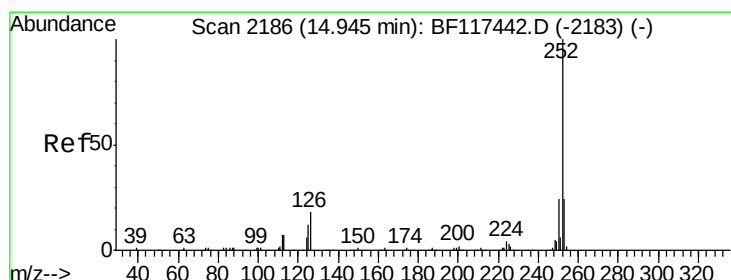
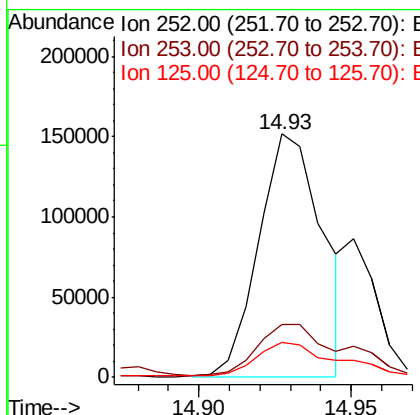
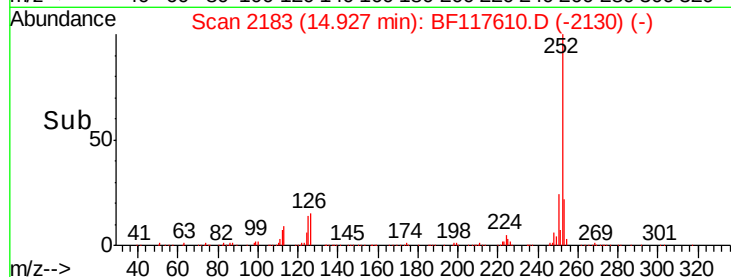
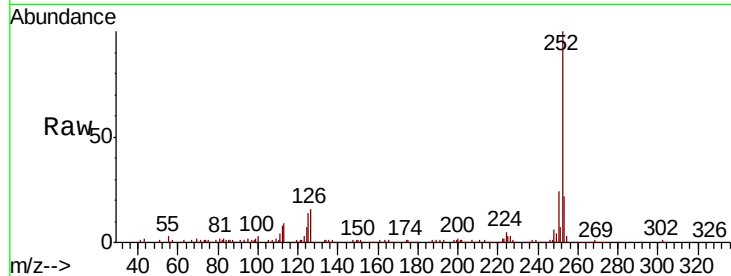
#88
Benzo(b)fluoranthene
Concen: 70.323 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117610.D
Acq: 30 Oct 2019 00:46

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	14.5	9.9	14.9

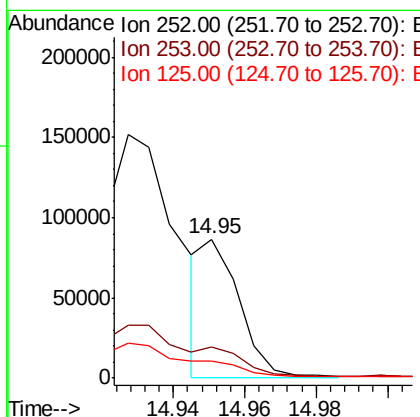
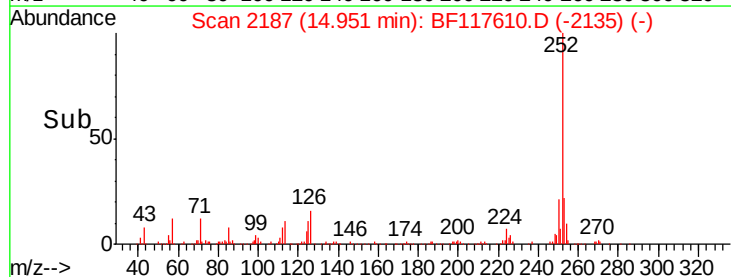
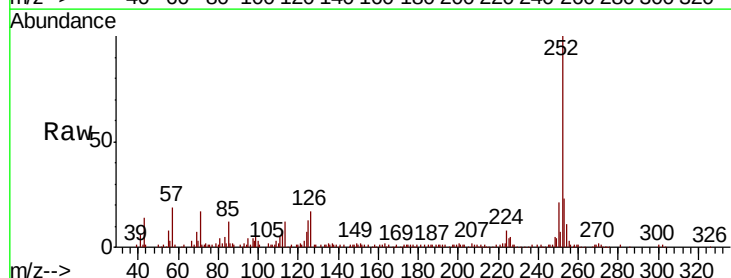
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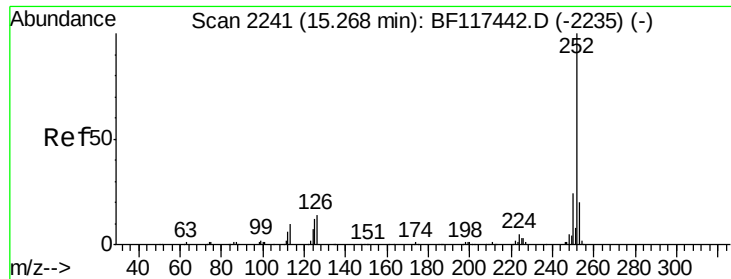
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#89
Benzo(k)fluoranthene
Concen: 19.639 ng m
RT: 14.95 min Scan# 2187
Delta R.T. 0.01 min
Lab File: BF117610.D
Acq: 30 Oct 2019 00:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	12.6	8.9	13.3





#90

Benzo(a)pyrene

Concen: 43.192 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF117610.D

Acq: 30 Oct 2019 00:46

Instrument :

BNA_F

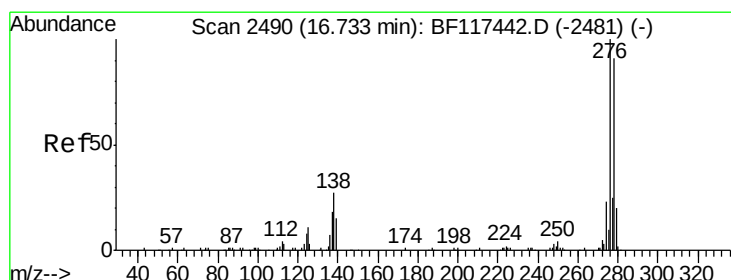
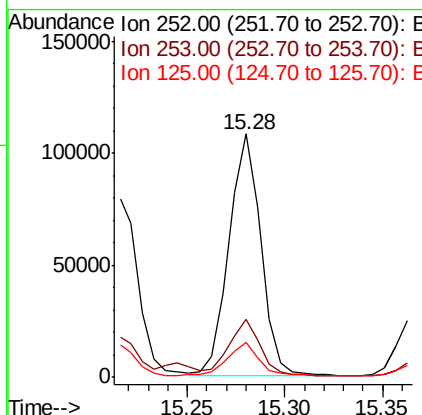
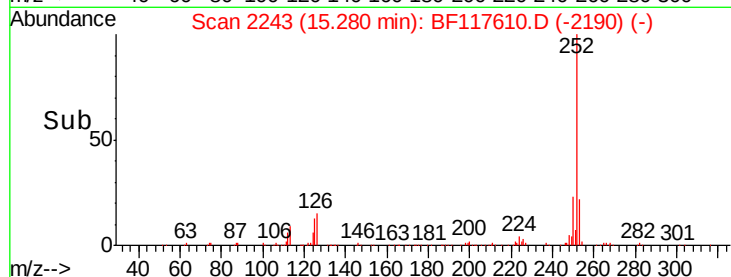
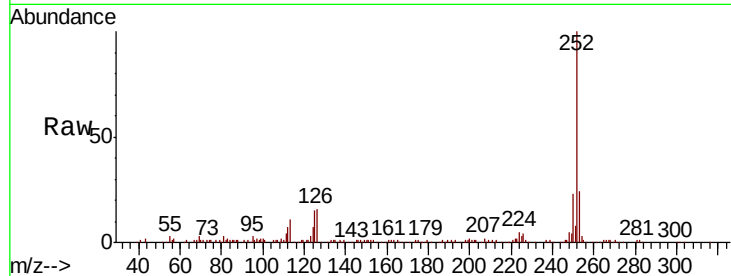
ClientSampled :

CSA-2-1-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	16.3	24.5
125	14.6	9.2	13.8#

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#91

Dibenzo(a,h)anthracene

Concen: 7.161 ng

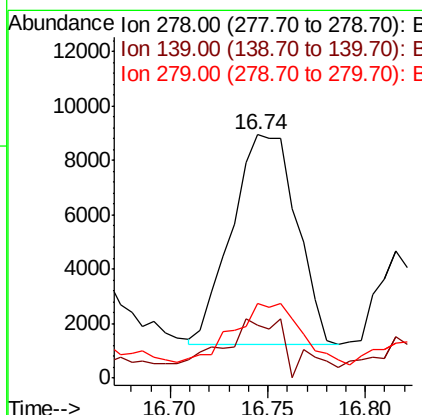
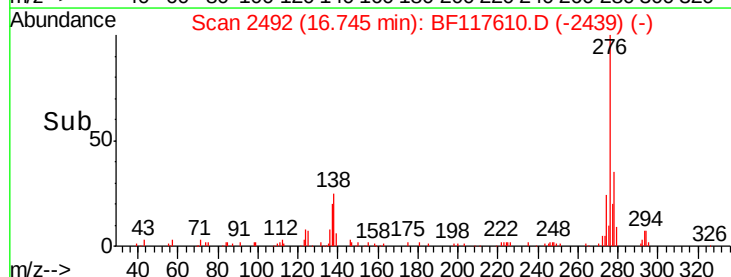
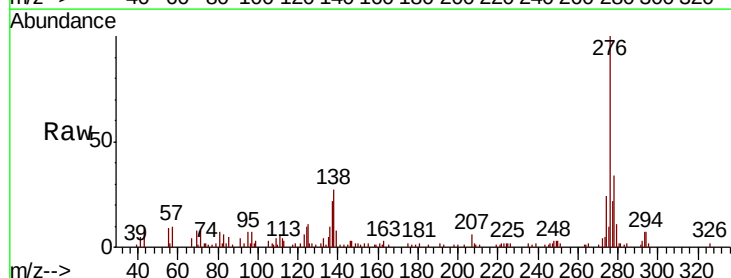
RT: 16.74 min Scan# 2492

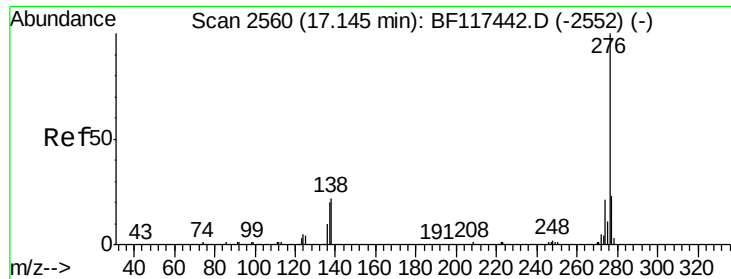
Delta R.T. 0.01 min

Lab File: BF117610.D

Acq: 30 Oct 2019 00:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.0	13.4	20.0#
279	30.8	17.8	26.6#





#92
 Benzo(a,h,i)perylene
 Concen: 29.096 ng
 RT: 17.19 min Scan# 2567
 Delta R.T. 0.04 min
 Lab File: BF117610.D
 Acq: 30 Oct 2019 00:46

Instrument :
 BNA_F
 ClientSampleId :
 CSA-2-1-5

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.4	27.6
138	26.6	17.8	26.6

Manual Integrations
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