

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
 Data File : BF117468.D
 Acq On : 22 Oct 2019 00:42
 Operator : JU
 Sample : K5146-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101819

Manual Integrations
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mohammad
 10/22/2019 3:29:31 PM

Quant Time: Oct 22 04:21:40 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	44012	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	176795	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	90338	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	135190	20.00	ng	0.00
76) Chrysene-d12	13.89	240	85497	20.00	ng	0.00
87) Perylene-d12	15.32	264	94868	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	295447	99.87	ng	0.00
7) Phenol-d6	6.38	99	416834	104.90	ng	0.00
23) Nitrobenzene-d5	7.30	82	260372	72.71	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	79313	101.47	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	442816	69.07	ng	0.00
79) Terphenyl-d14	12.83	244	345459	65.91	ng	0.00
Target Compounds						
49) Acenaphthylene	9.63	152	19183	2.316	ng	Qvalue 98
50) Dimethylphthalate	9.48	163	49863	7.743	ng	98
71) Phenanthrene	11.27	178	43772	5.576	ng	99
72) Anthracene	11.33	178	20687	2.568	ng	98
75) Fluoranthene	12.46	202	126119	16.049	ng	97
78) Pyrene	12.69	202	116453	15.857	ng	99
81) Benzo(a)anthracene	13.88	228	73638	12.769	ng	100
83) Chrysene	13.92	228	63887	11.303	ng	98
86) Indeno(1,2,3-cd)pyrene	16.74	276	42169	9.993	ng	92
88) Benzo(b)fluoranthene	14.92	252	94751m	16.914	ng	
89) Benzo(k)fluoranthene	14.94	252	32315m	5.628	ng	
90) Benzo(a)pyrene	15.26	252	68901	13.527	ng	# 94
91) Dibenzo(a,h)anthracene	16.74	278	9125	2.072	ng	# 74
92) Benzo(g,h,i)perylene	17.16	276	35745	8.578	ng	# 93

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

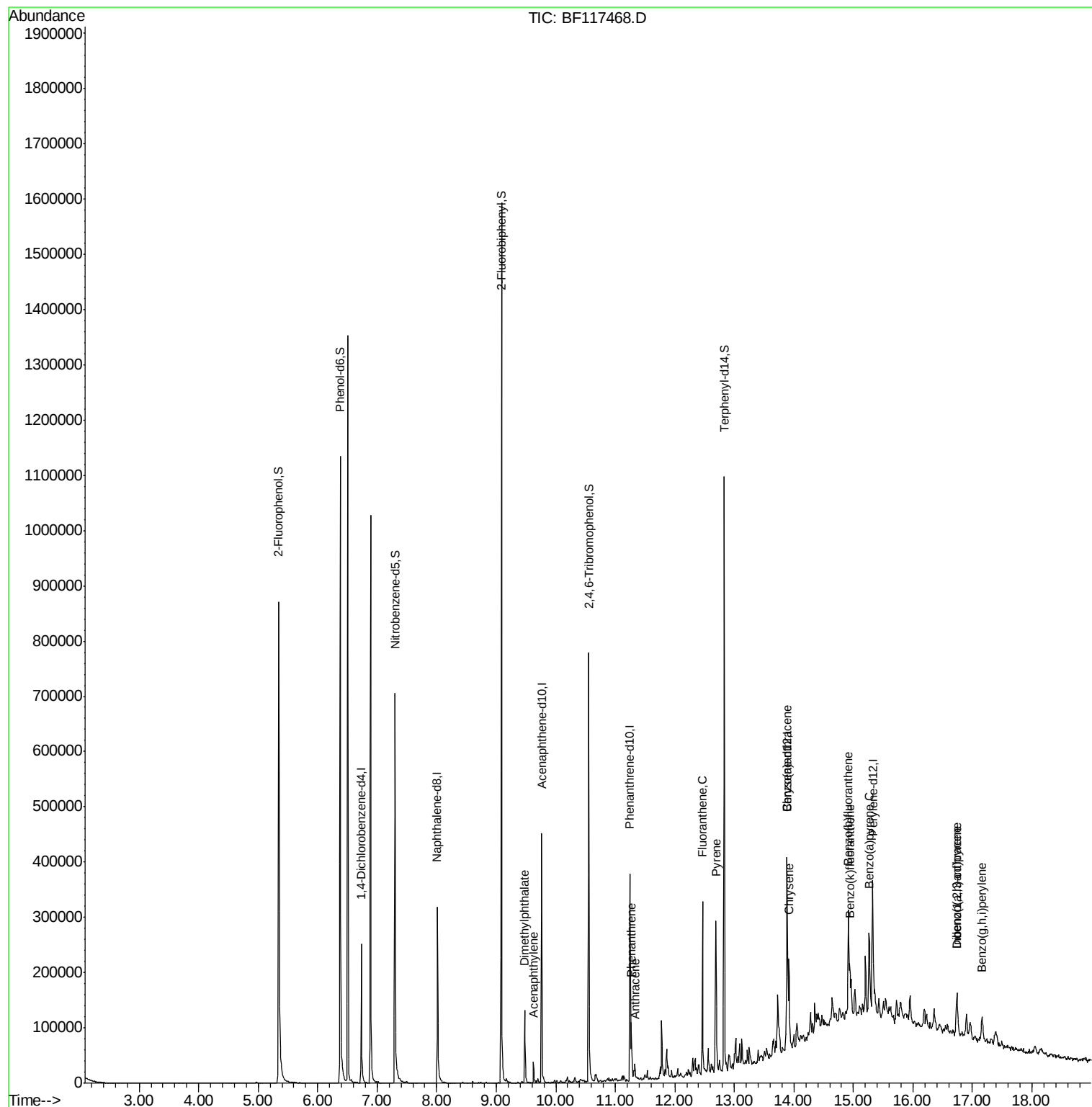
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
Data File : BF117468.D
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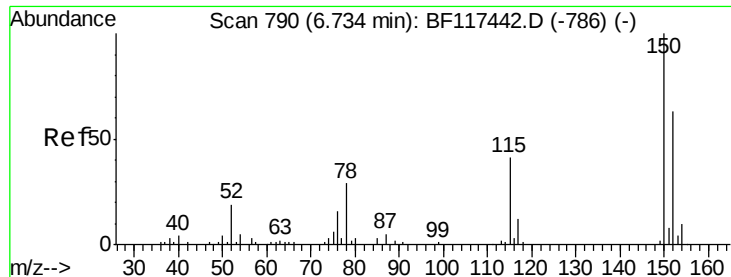
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
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#1

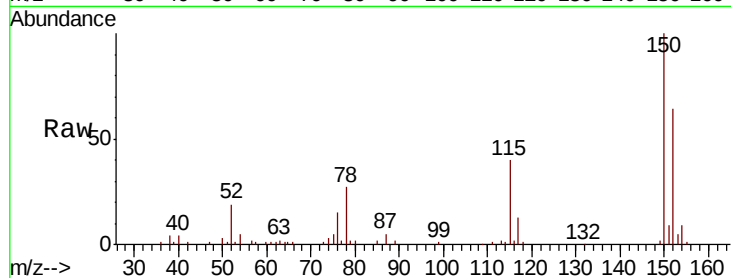
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117468.D
Acq: 22 Oct 2019 00:42

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.8	190.2
115	61.4	51.6	77.4

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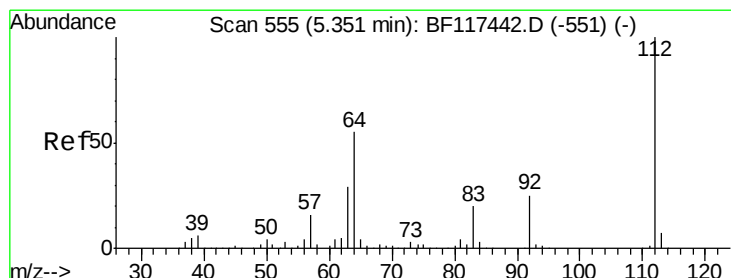
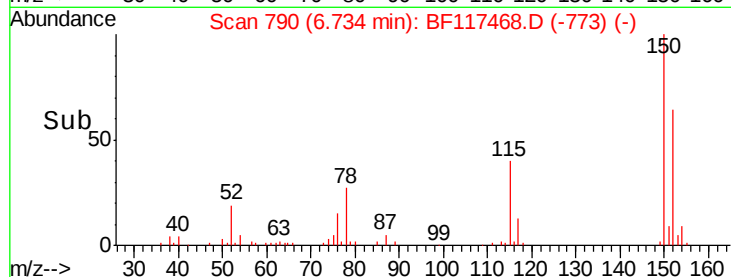
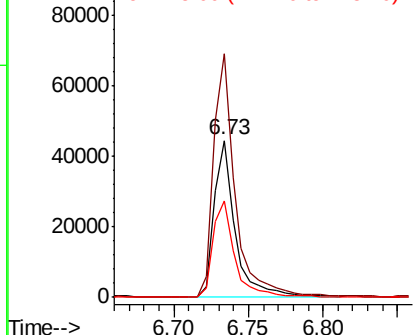


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

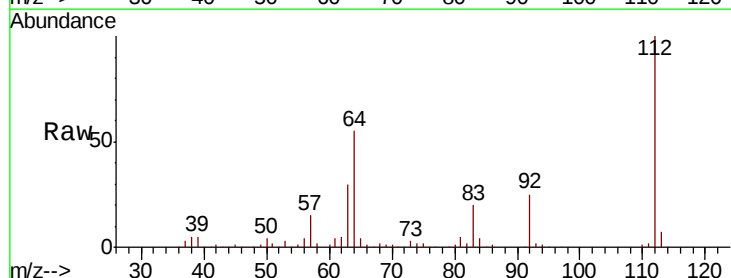
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 99.868 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117468.D
Acq: 22 Oct 2019 00:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	44.1	66.1
63	29.8	23.4	35.2

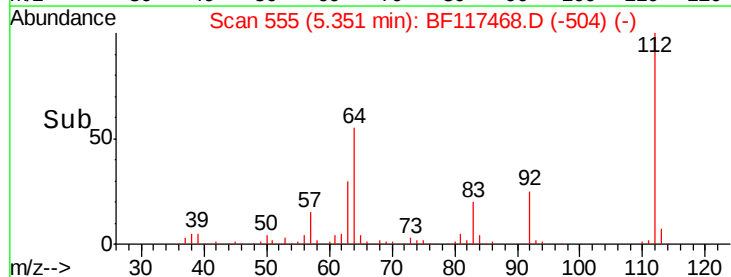
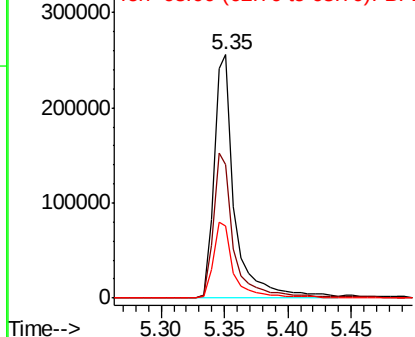


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 104.905 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117468.D

Acq: 22 Oct 2019 00:42

Instrument :

BNA_F

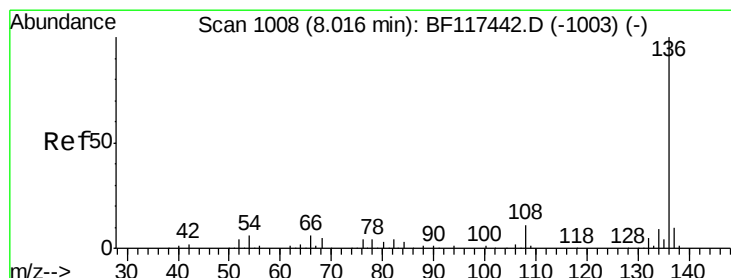
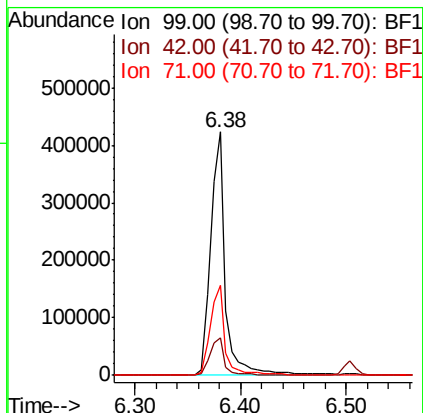
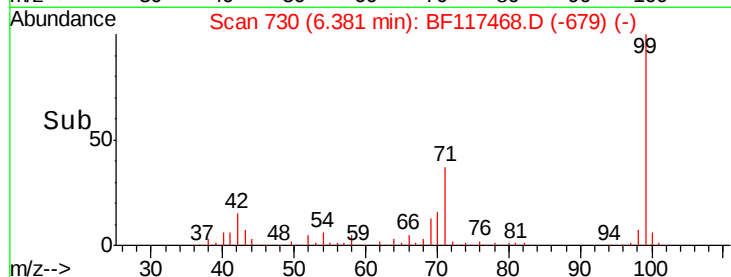
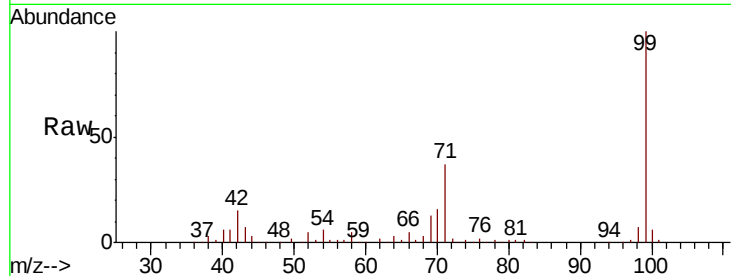
ClientSampled :

CL-02-101819

Tot Ion:	99	Resp:	416834
Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.8	19.2
71	36.9	28.6	43.0

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#21

Naphthalene-d8

Concen: 20.000 ng

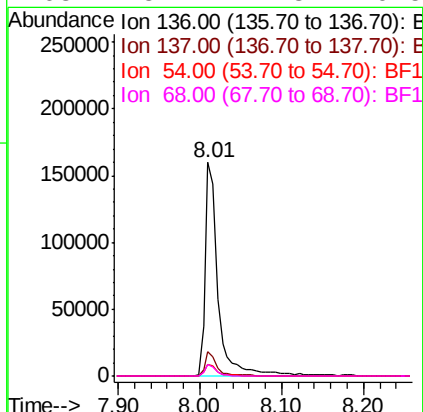
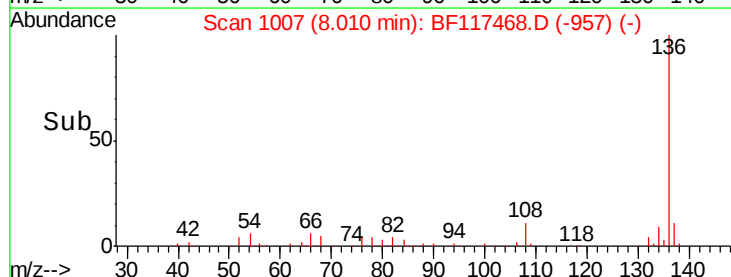
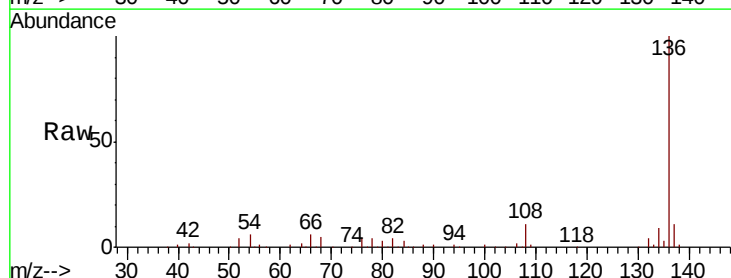
RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117468.D

Acq: 22 Oct 2019 00:42

Tgt Ion:	136	Resp:	176795
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.2	12.4
54	5.5	4.5	6.7
68	5.2	4.3	6.5





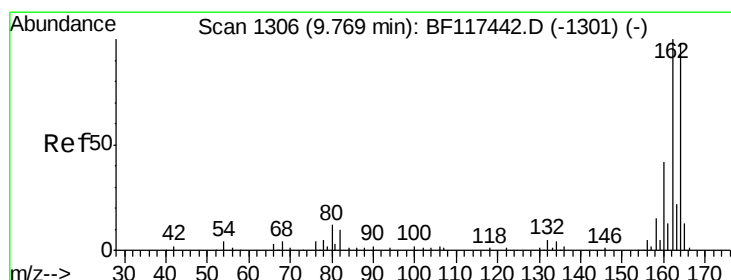
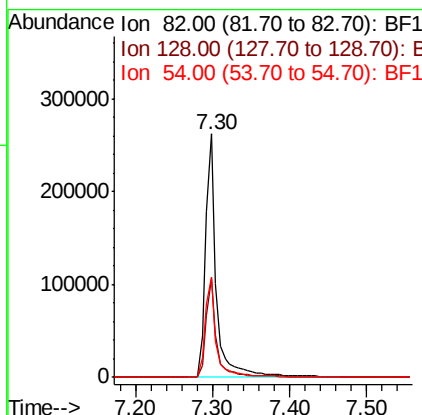
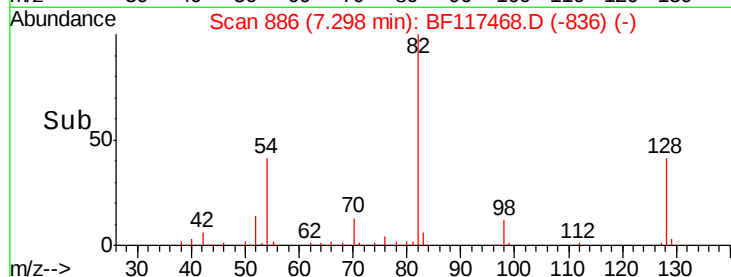
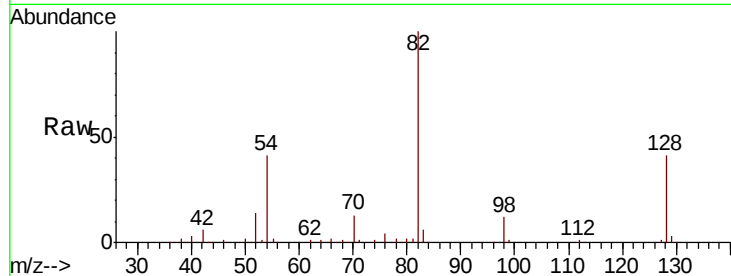
#23
 Nitrobenzene-d5
 Concen: 72.706 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF117468.D
 Acq: 22 Oct 2019 00:42

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101819

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.7	32.2	48.2
54	41.3	34.2	51.2

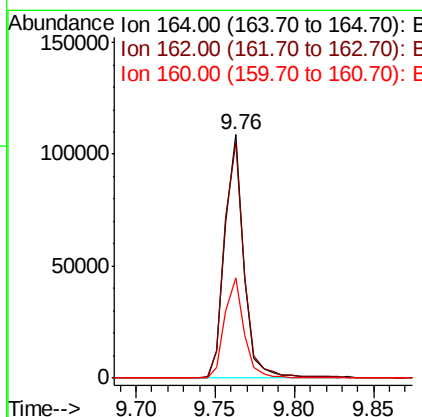
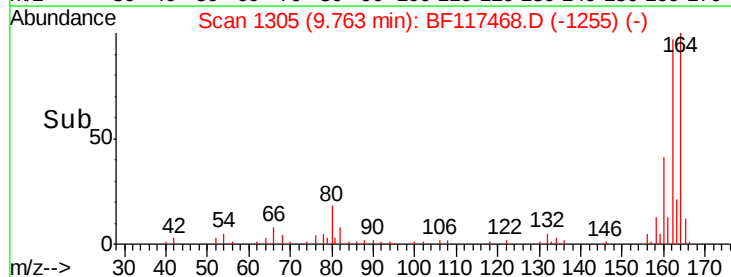
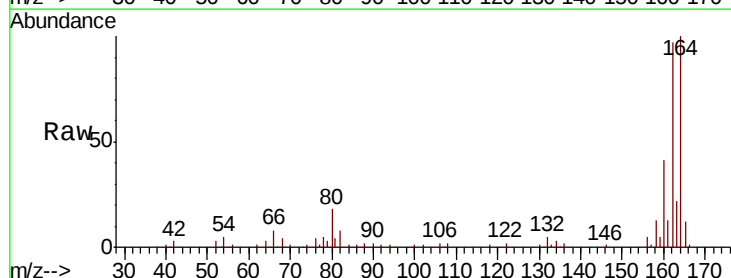
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF117468.D
 Acq: 22 Oct 2019 00:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.7	81.8	122.6
160	41.2	34.4	51.6





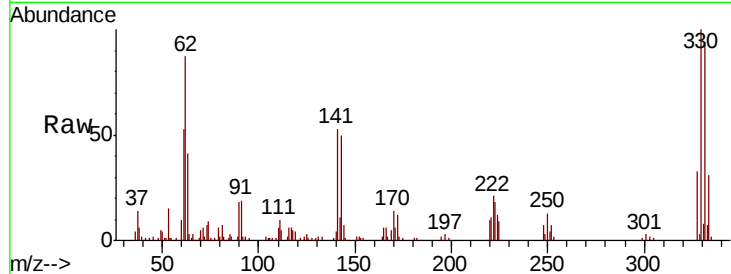
#42
2,4,6-Tribromophenol
Concen: 101.468 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF117468.D
Acq: 22 Oct 2019 00:42

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	78.5	117.7
141	46.2	37.0	55.6

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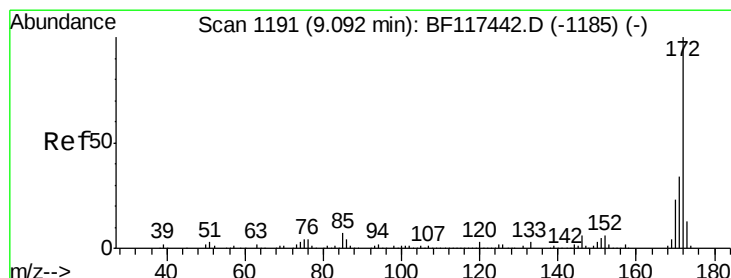
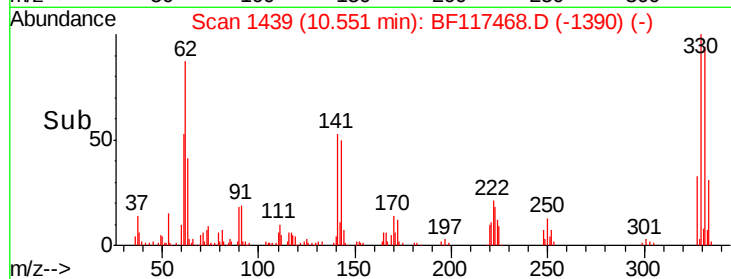
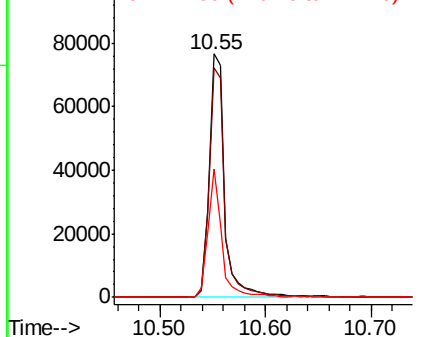


Abundance

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: 69.065 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117468.D
Acq: 22 Oct 2019 00:42

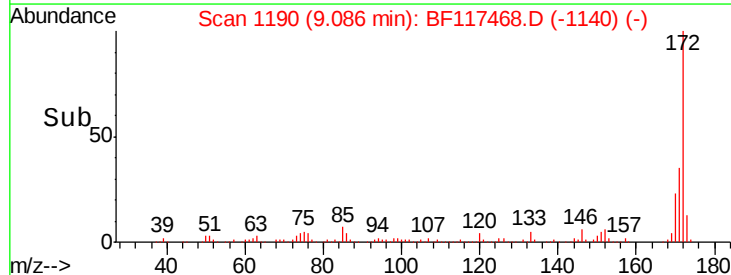
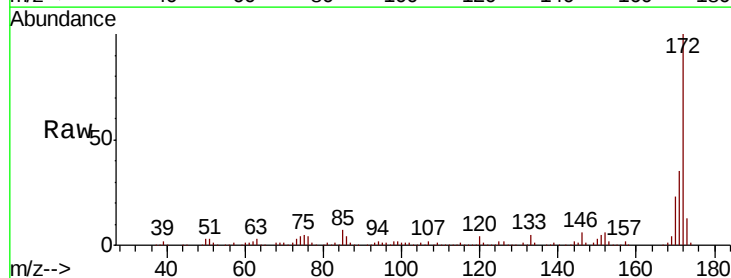
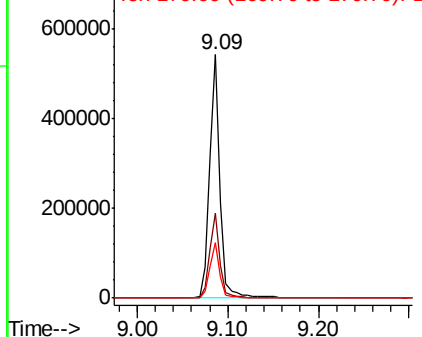
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.5	41.3
170	23.0	18.6	27.8

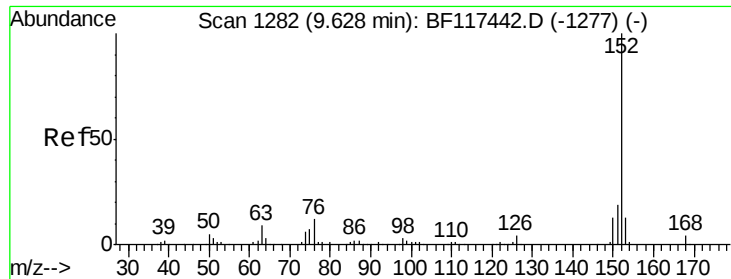
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 2.316 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.00 min

Lab File: BF117468.D

Acq: 22 Oct 2019 00:42

Instrument :

BNA_F

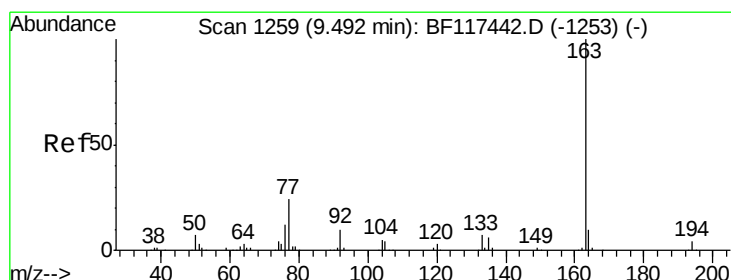
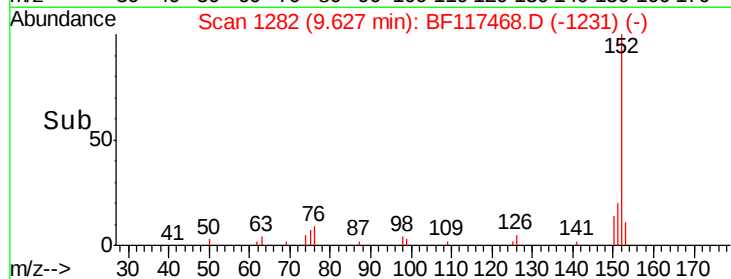
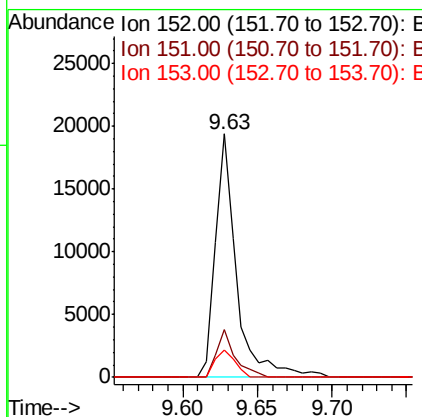
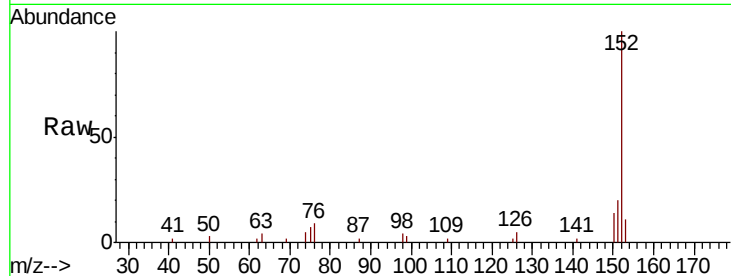
ClientSampleId :

CL-02-101819

Tot Ion:	152	Resp:	19183
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.4	23.0
153	11.2	10.3	15.5

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#50

Dimethylphthalate

Concen: 7.743 ng

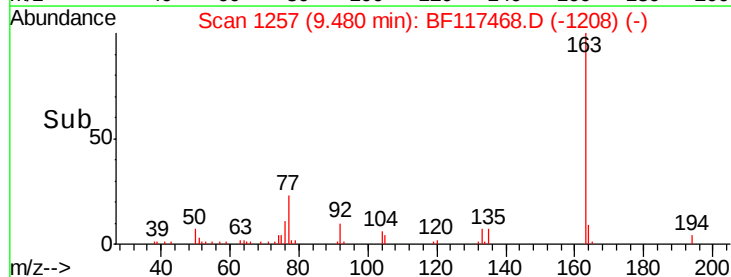
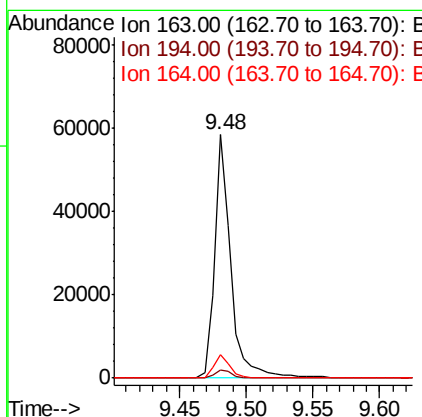
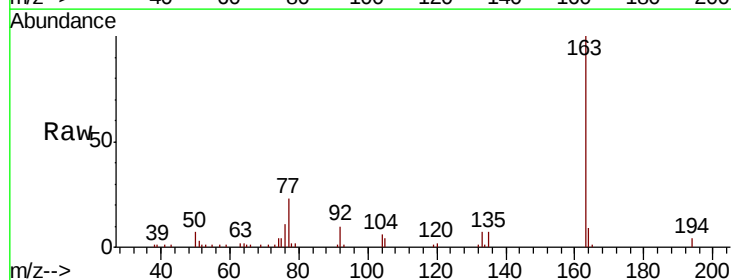
RT: 9.48 min Scan# 1257

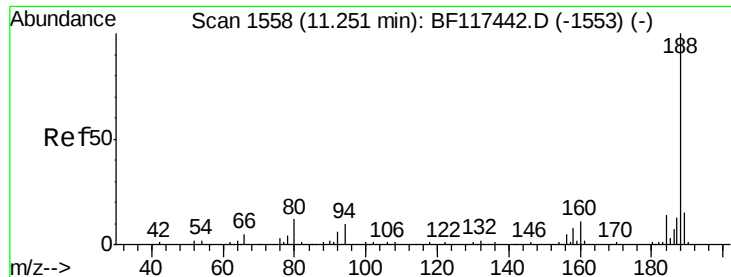
Delta R.T. -0.01 min

Lab File: BF117468.D

Acq: 22 Oct 2019 00:42

Tgt Ion:	163	Resp:	49863
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.9	4.3
164	9.4	8.2	12.2





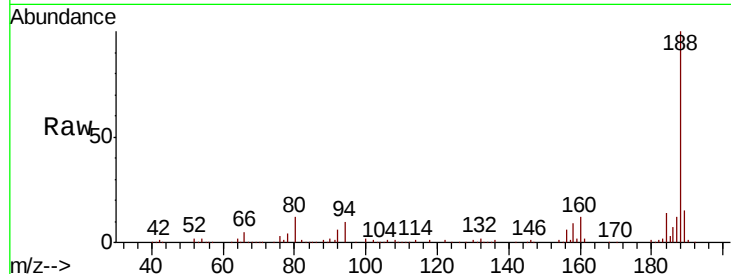
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF117468.D
Acq: 22 Oct 2019 00:42

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

Tot Ion	Ratio	Resp	Lower	Upper
188	100	135190		
94	9.5	8.0	12.0	
80	11.6	9.5	14.3	

Manual Integrations
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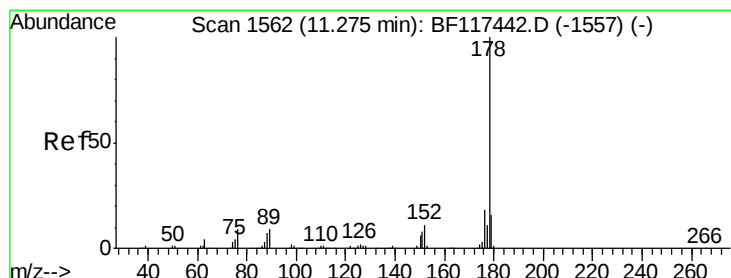
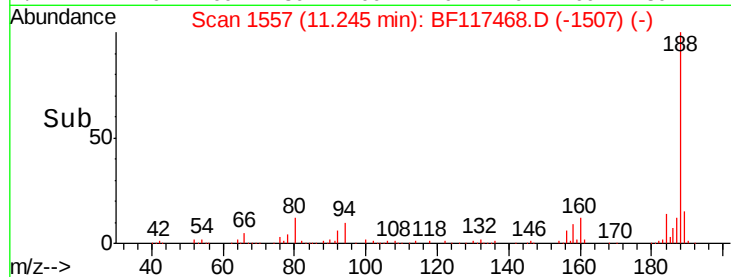
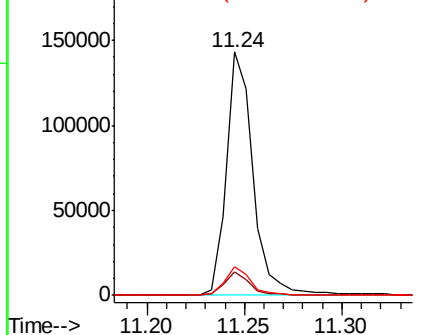


Abundance

Ion 188.00 (187.70 to 188.70): E

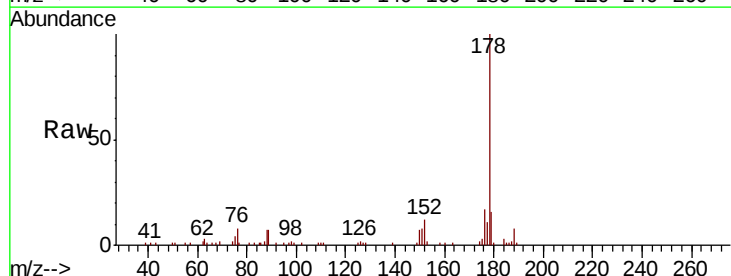
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71
Phenanthrene
Concen: 5.576 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117468.D
Acq: 22 Oct 2019 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	43772		
176	17.3	14.6	22.0	
179	15.6	12.6	19.0	

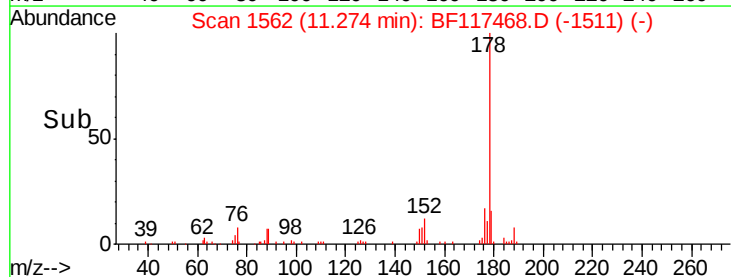
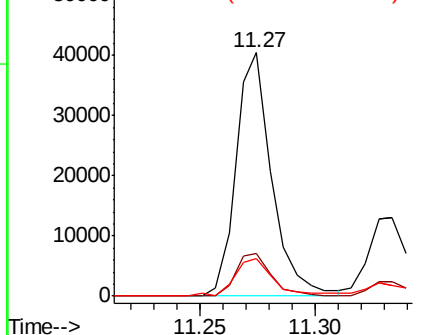


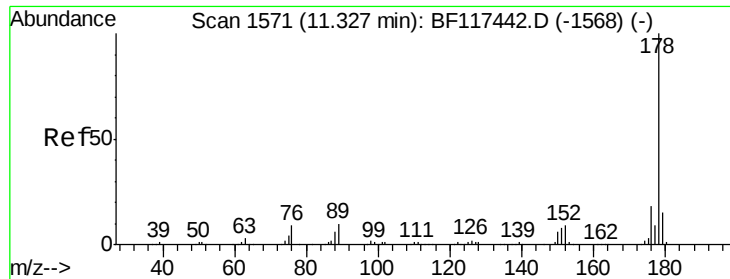
Abundance

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





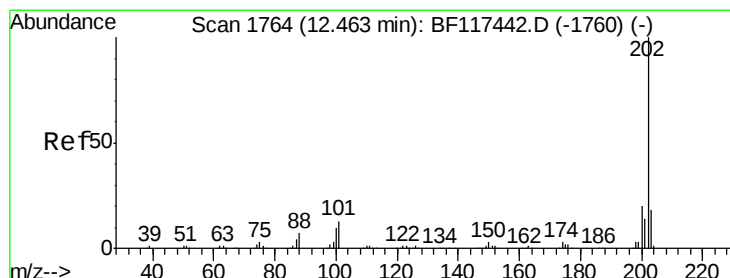
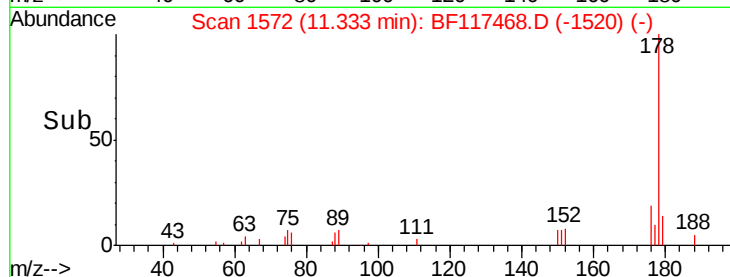
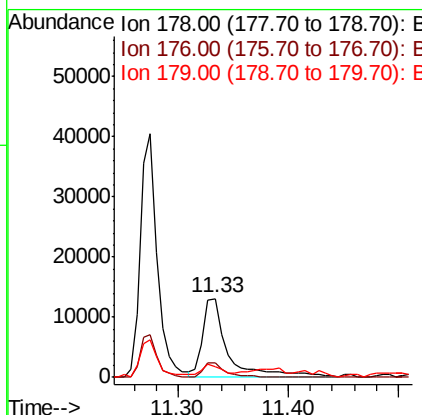
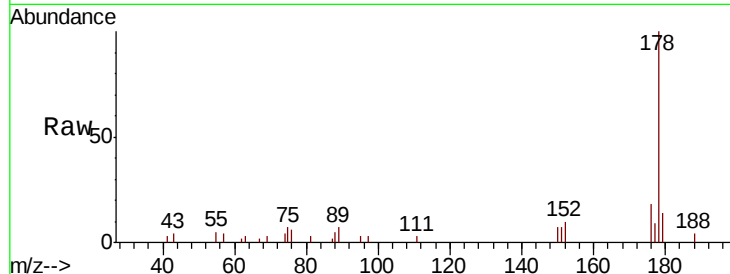
#72
 Anthracene
 Concen: 2.568 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BF117468.D
 Acq: 22 Oct 2019 00:42

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101819

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	13.6	12.2	18.2

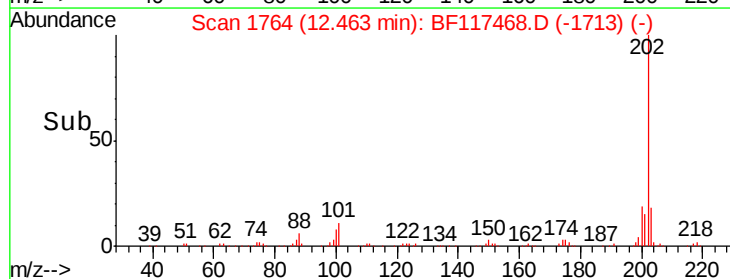
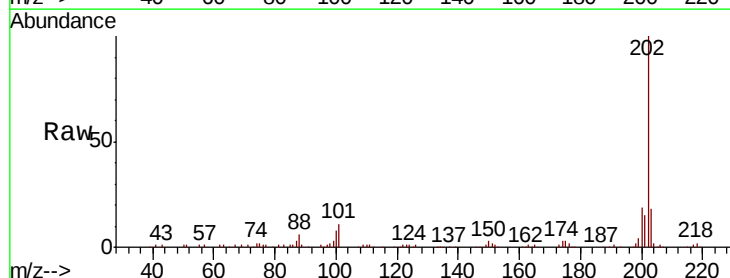
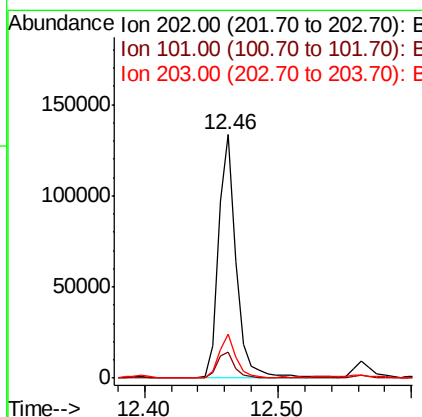
Manual Integrations
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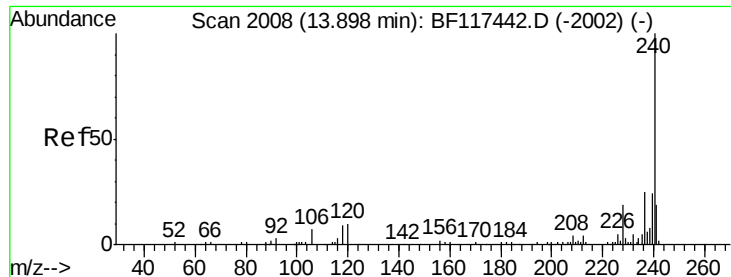
mohammad
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#75
 Fluoranthene
 Concen: 16.049 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: BF117468.D
 Acq: 22 Oct 2019 00:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	32.7
203	17.9	0.0	37.6





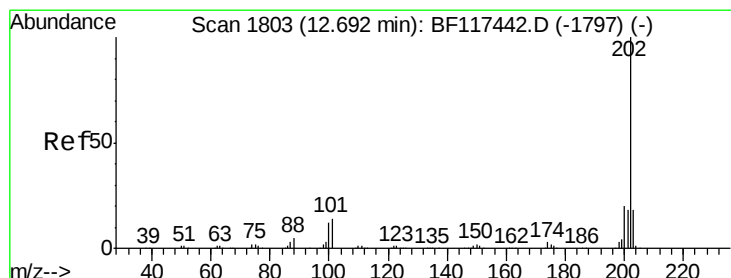
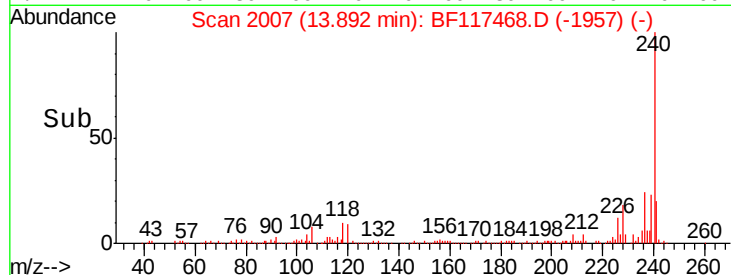
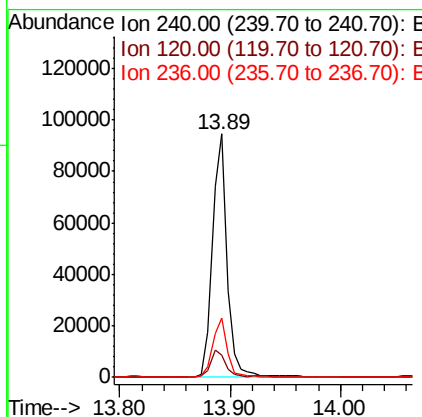
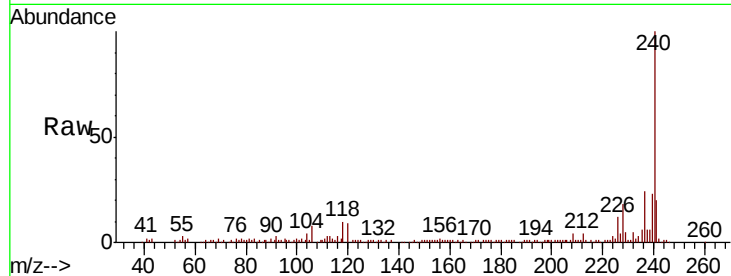
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117468.D
Acq: 22 Oct 2019 00:42

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.4	12.6
236	24.2	20.0	30.0

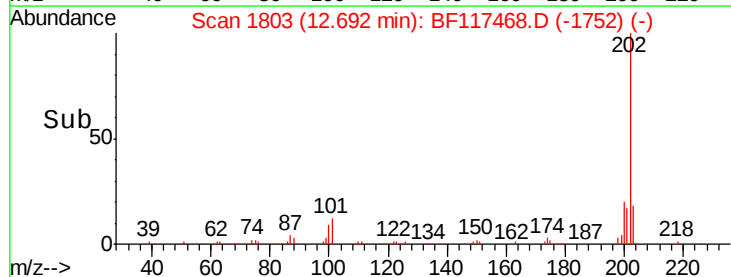
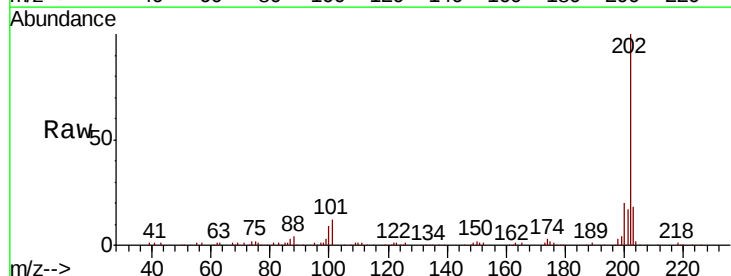
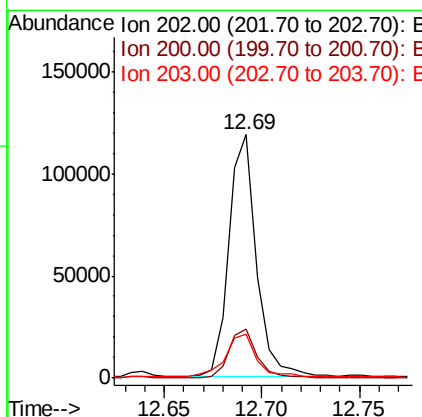
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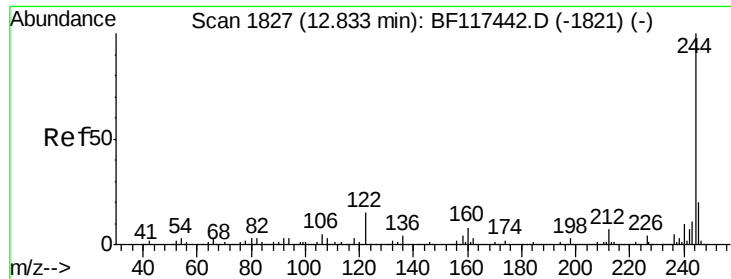
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#78
Pyrene
Concen: 15.857 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117468.D
Acq: 22 Oct 2019 00:42

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.2	24.2
203	18.2	14.0	21.0





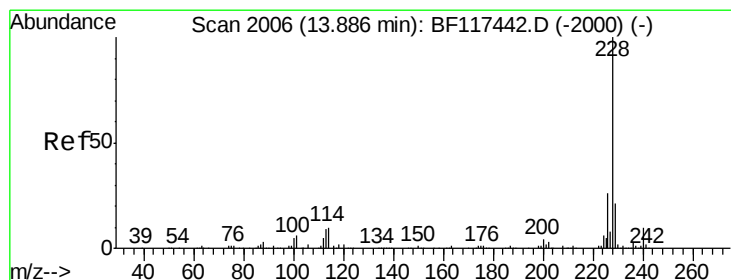
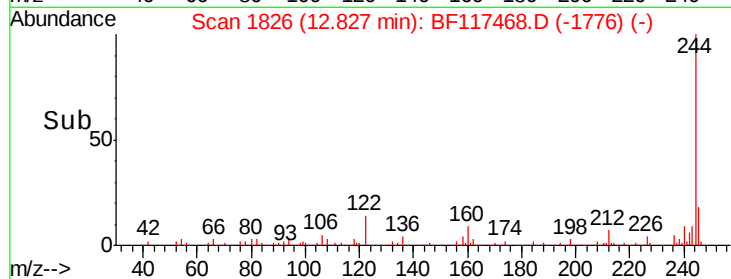
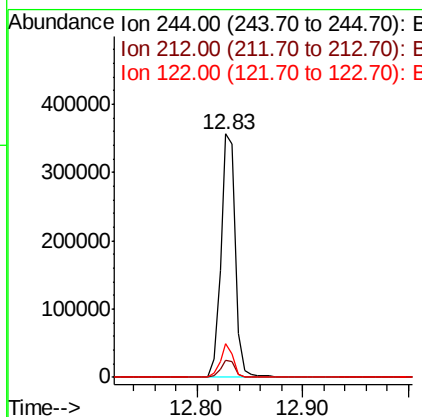
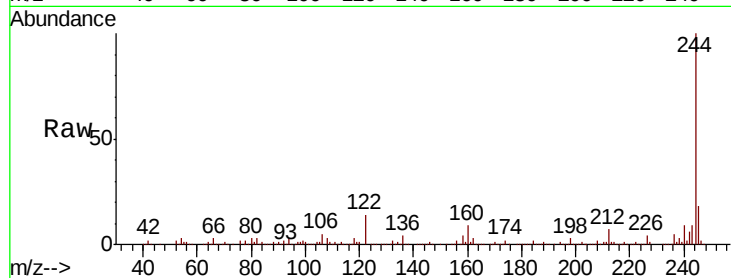
#79
 Terphenyl-d14
 Concen: 65.907 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117468.D
 Acq: 22 Oct 2019 00:42

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101819

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	13.8	11.8	17.8

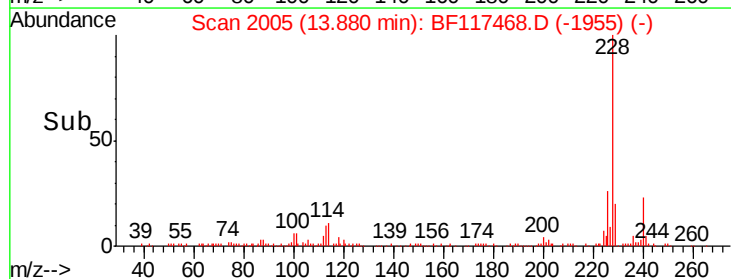
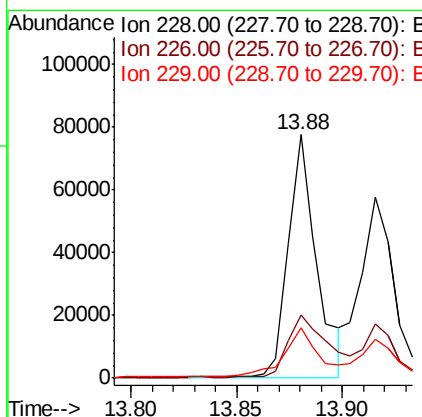
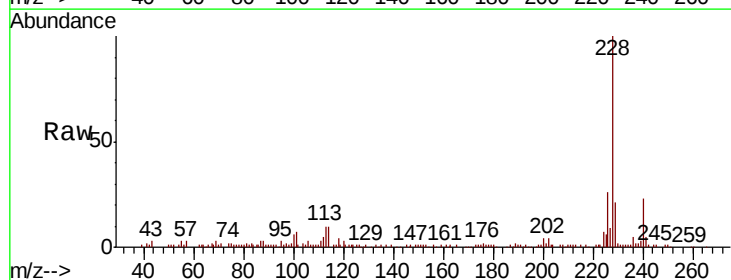
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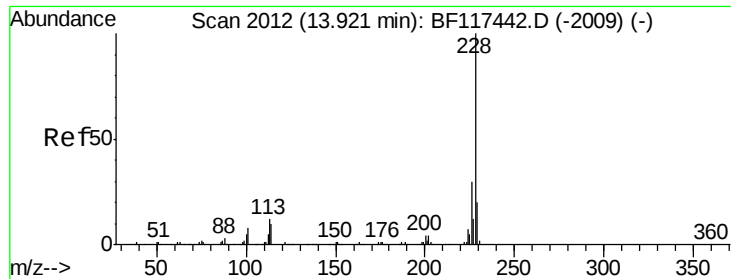
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#81
 Benzo(a)anthracene
 Concen: 12.769 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117468.D
 Acq: 22 Oct 2019 00:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.0	31.4
229	20.9	16.4	24.6





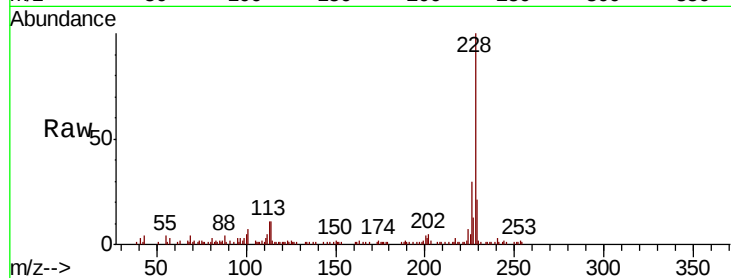
#83
Chrysene
Concen: 11.303 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF117468.D
Acq: 22 Oct 2019 00:42

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

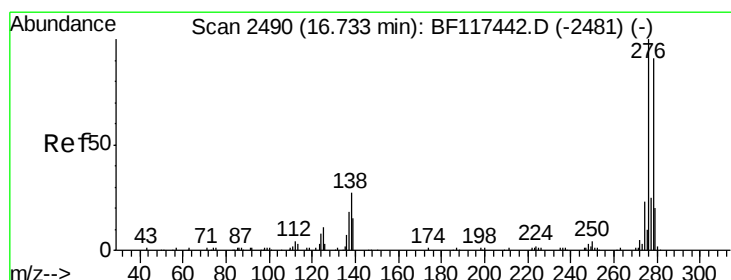
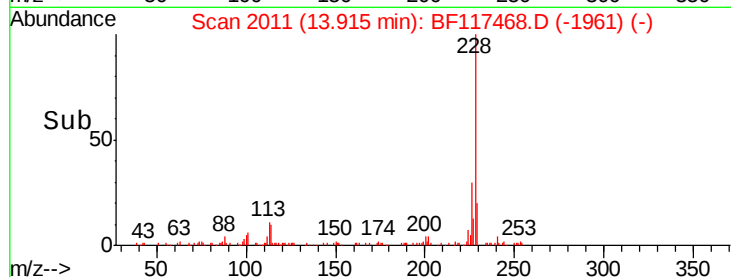
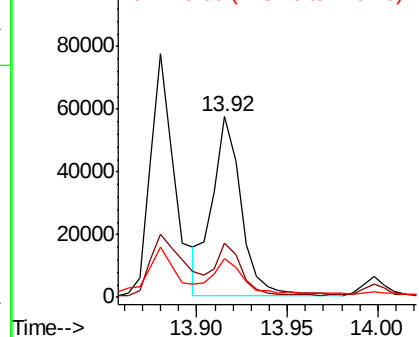
Tot Ion:	228	Resp:	63887
Ion Ratio	Lower	Upper	
228	100		
226	30.1	23.9	35.9
229	21.1	15.8	23.6

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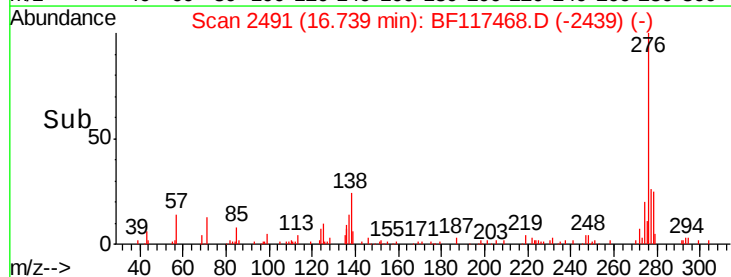
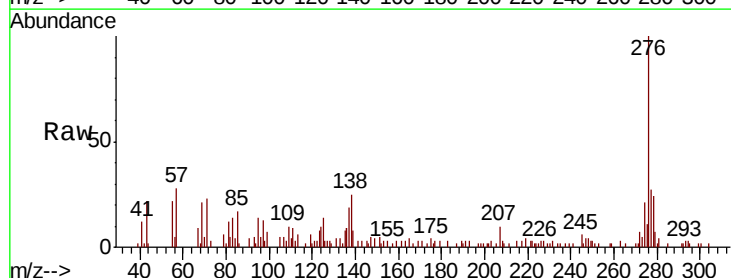
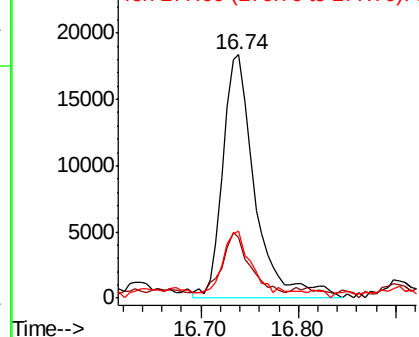
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

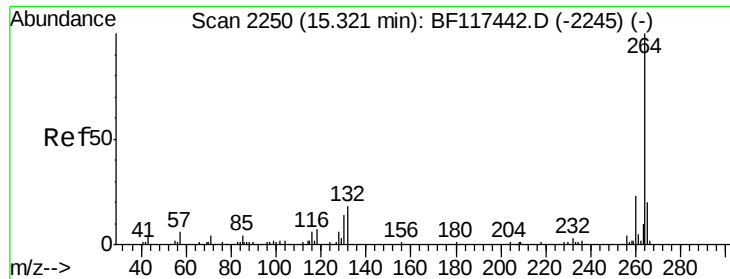


#86
Indeno(1,2,3-cd)pyrene
Concen: 9.993 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BF117468.D
Acq: 22 Oct 2019 00:42

Tgt Ion:	276	Resp:	42169
Ion Ratio	Lower	Upper	
276	100		
138	21.9	21.8	32.8
277	22.3	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





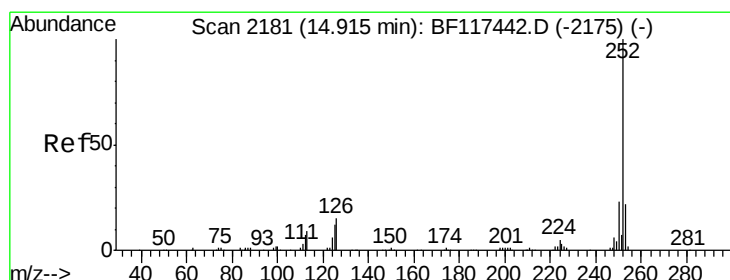
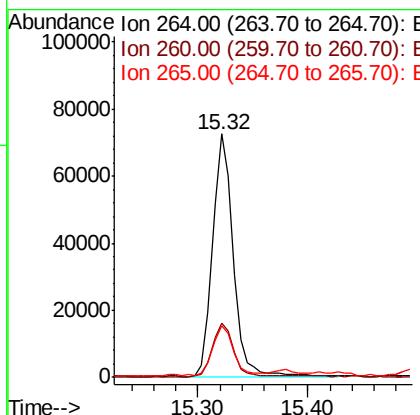
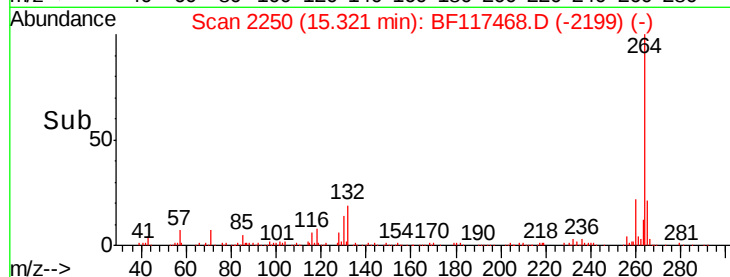
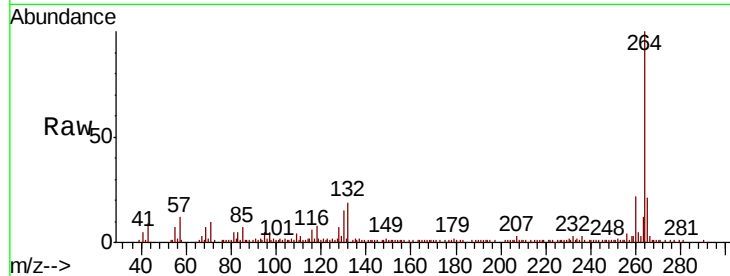
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.00 min
Lab File: BF117468.D
Acq: 22 Oct 2019 00:42

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.4	27.6
265	21.0	16.1	24.1

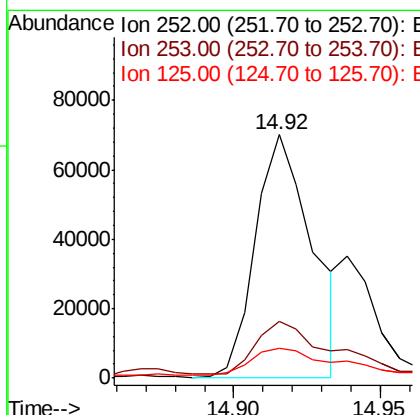
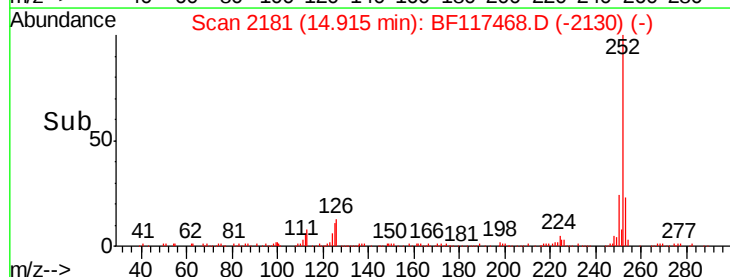
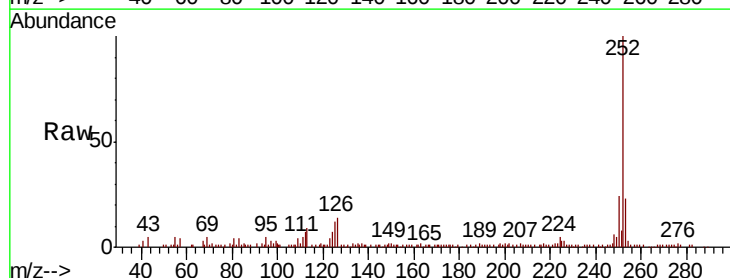
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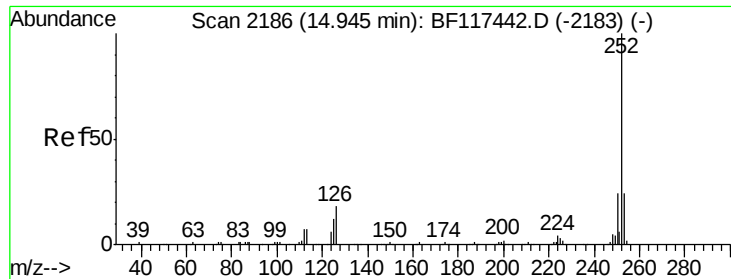
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#88
Benzo(b)fluoranthene
Concen: 16.914 ng m
RT: 14.92 min Scan# 2181
Delta R.T. -0.00 min
Lab File: BF117468.D
Acq: 22 Oct 2019 00:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	12.4	9.9	14.9





#89

Benzo(k)fluoranthene

Concen: 5.628 ng

RT: 14.94 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BF117468.D

Acq: 22 Oct 2019 00:42

Instrument :

BNA_F

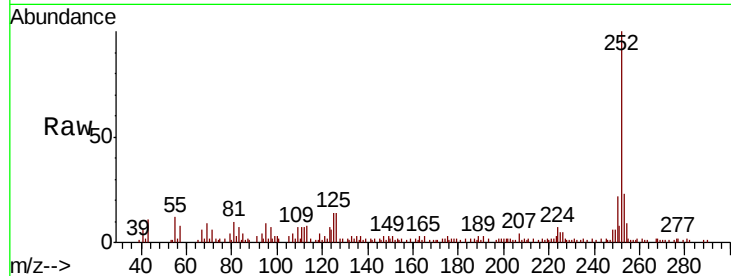
ClientSampleId :

CL-02-101819

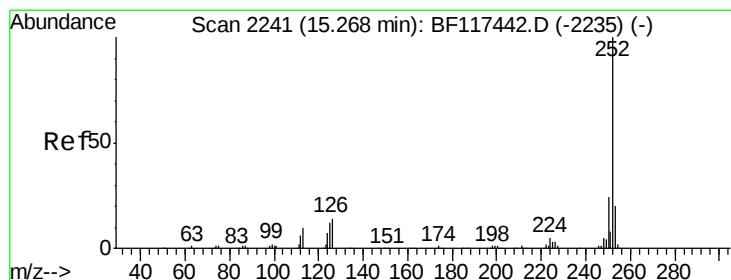
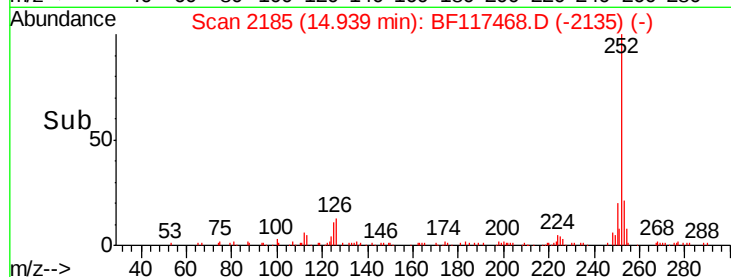
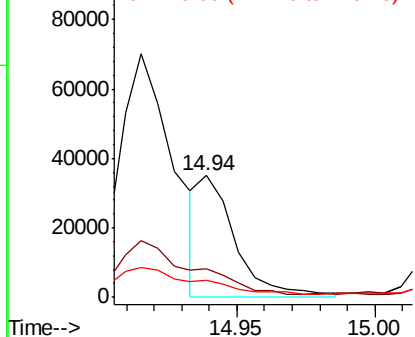
Tot Ion:	252	Resp:	32315
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.0	27.0
125	13.6	8.9	13.3#

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



#90

Benzo(a)pyrene

Concen: 13.527 ng

RT: 15.26 min Scan# 2240

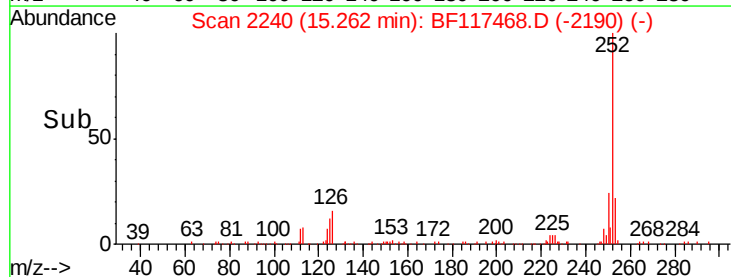
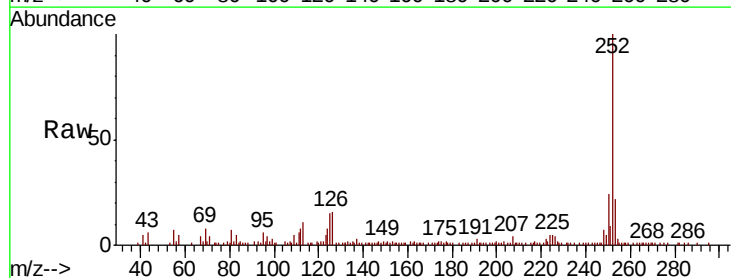
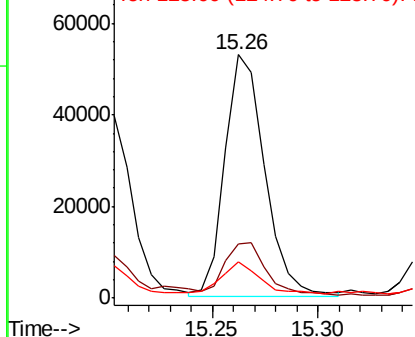
Delta R.T. -0.01 min

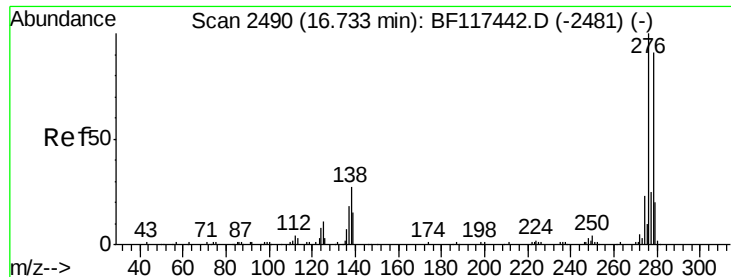
Lab File: BF117468.D

Acq: 22 Oct 2019 00:42

Tgt Ion:	252	Resp:	68901
Ion Ratio	Lower	Upper	
252	100		
253	22.5	16.3	24.5
125	14.6	9.2	13.8#

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





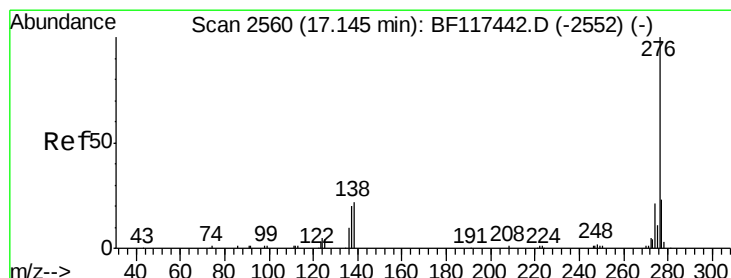
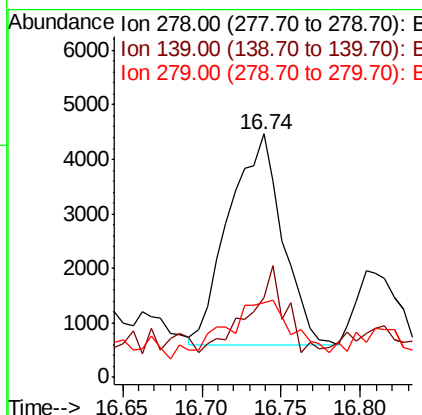
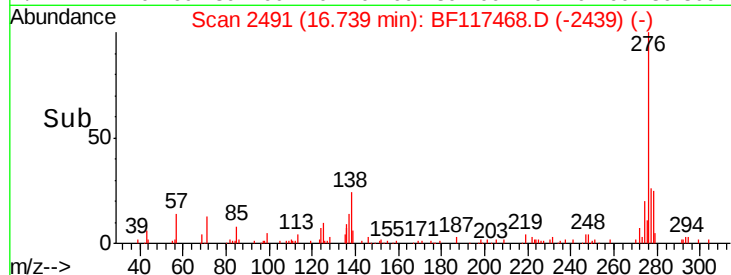
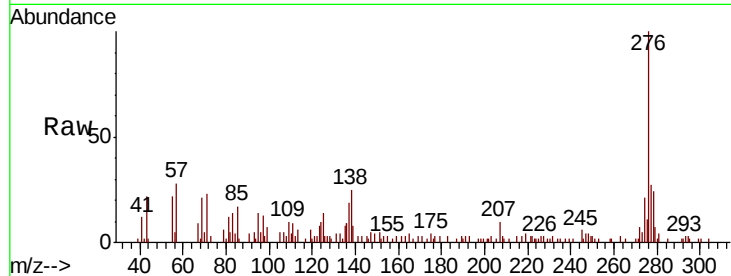
#91
Dibenzo(a,h)anthracene
Concen: 2.072 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BF117468.D
Acq: 22 Oct 2019 00:42

Instrument :
BNA_F
ClientSampleId :
CL-02-101819

Tot Ion	Ratio	Lower	Upper
278	100		
139	32.9	13.4	20.0#
279	30.6	17.8	26.6#

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#92
Benzo(g,h,i)perylene
Concen: 8.578 ng
RT: 17.16 min Scan# 2562
Delta R.T. 0.01 min
Lab File: BF117468.D
Acq: 22 Oct 2019 00:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.4	27.6
138	26.7	17.8	26.6#

