

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117526.D
 Acq On : 24 Oct 2019 22:26
 Operator : JU
 Sample : K5498-15 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 191-52-(0-1)

Manual Integrations
 APPROVED

mohammad
 10/26/2019 10:03:26 AM

Quant Time: Oct 25 04:40:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	52983	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	211294	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	102196	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	138346	20.00	ng	0.00
76) Chrysene-d12	13.90	240	93411	20.00	ng	0.00
87) Perylene-d12	15.33	264	76109	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	168450	47.30	ng	0.00
7) Phenol-d6	6.39	99	234548	49.03	ng	0.00
23) Nitrobenzene-d5	7.30	82	139713	32.64	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	36274	41.02	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	211054	29.10	ng	0.00
79) Terphenyl-d14	12.83	244	132561	23.15	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.49	163	30370	4.169	ng	99
71) Phenanthrene	11.28	178	67802	8.440	ng	98
75) Fluoranthene	12.47	202	98678	12.270	ng	98
78) Pyrene	12.70	202	91895	11.453	ng	99
81) Benzo(a)anthracene	13.89	228	44337	7.037	ng	98
83) Chrysene	13.93	228	44297	7.173	ng	98
86) Indeno(1,2,3-cd)pyrene	16.75	276	15407	3.342	ng	# 91
88) Benzo(b)fluoranthene	14.93	252	46069m	10.250	ng	
89) Benzo(k)fluoranthene	14.95	252	13292m	2.886	ng	
90) Benzo(a)pyrene	15.27	252	28820	7.053	ng	# 88
92) Benzo(g,h,i)perylene	17.18	276	14314	4.282	ng	98

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

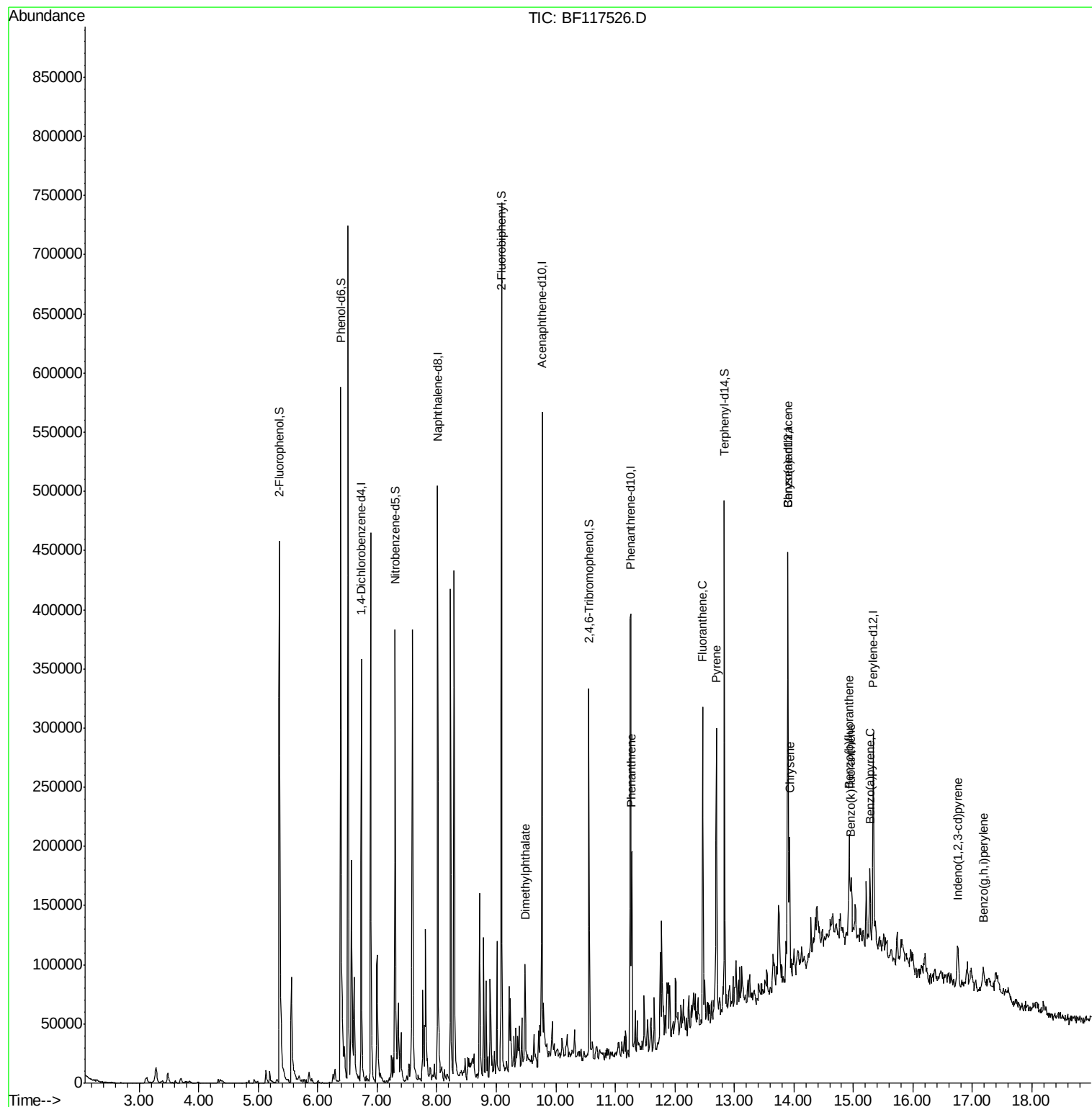
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117526.D
Acq On : 24 Oct 2019 22:26
Operator : JU
Sample : K5498-15 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

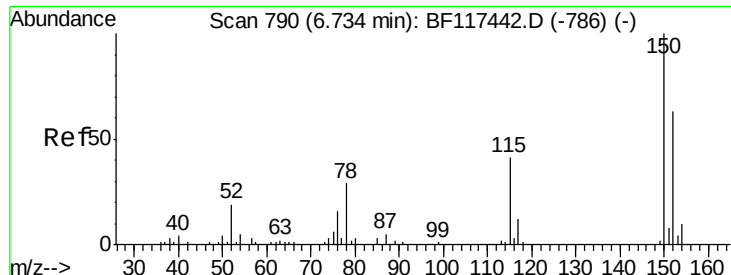
Instrument :
BNA_F
ClientSampleId :
191-52-(0-1)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

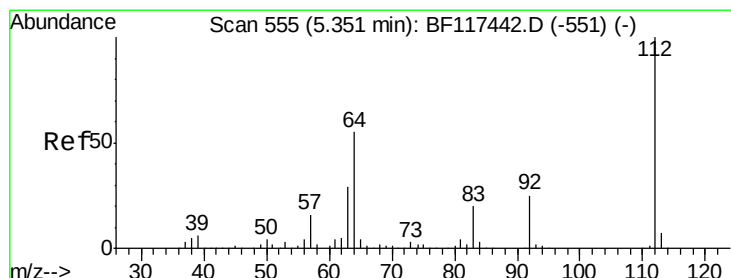
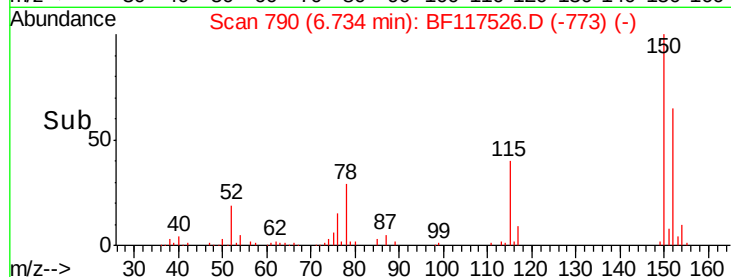
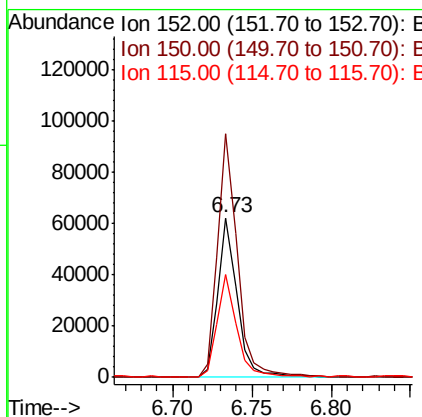
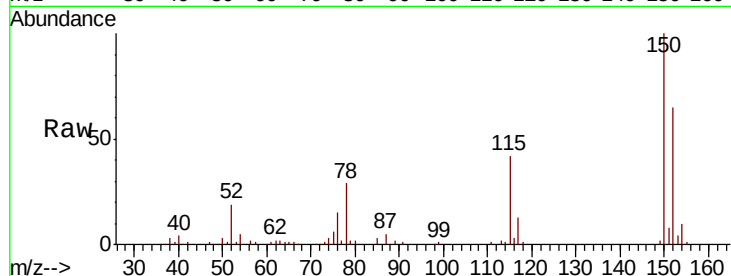
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117526.D
Acq: 24 Oct 2019 22:26

Instrument :
BNA_F
ClientSampleId :
191-52-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	126.8	190.2
115	64.6	51.6	77.4

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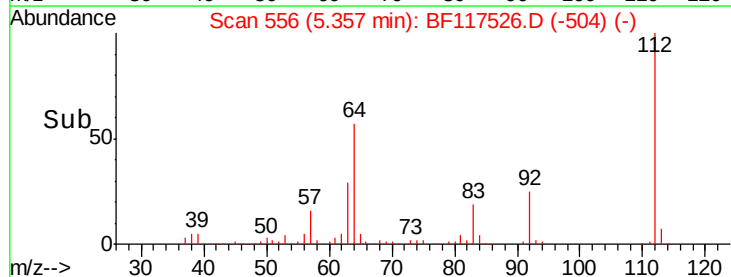
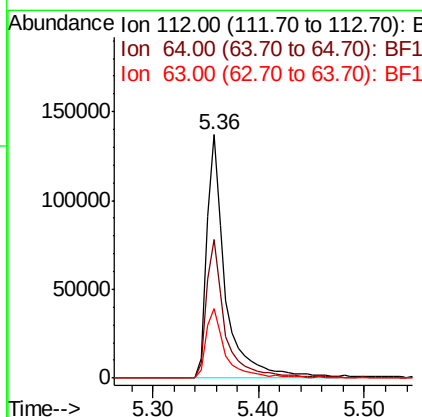
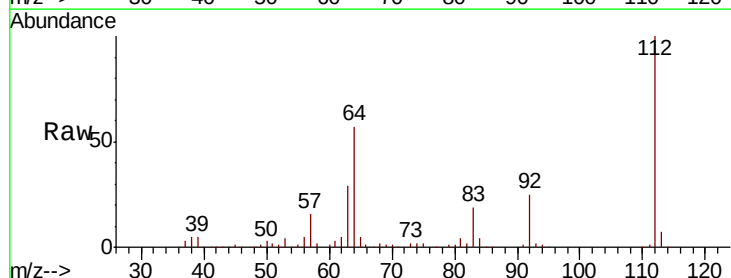
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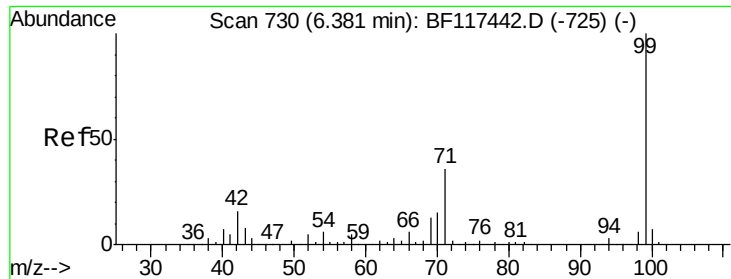


#5

2-Fluorophenol
Concen: 47.299 ng
RT: 5.36 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF117526.D
Acq: 24 Oct 2019 22:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	44.1	66.1
63	28.8	23.4	35.2





#7

Phenol-d6

Concen: 49.034 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117526.D

Acq: 24 Oct 2019 22:26

Instrument :

BNA_F

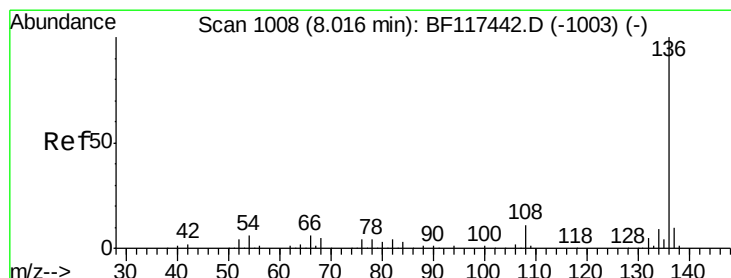
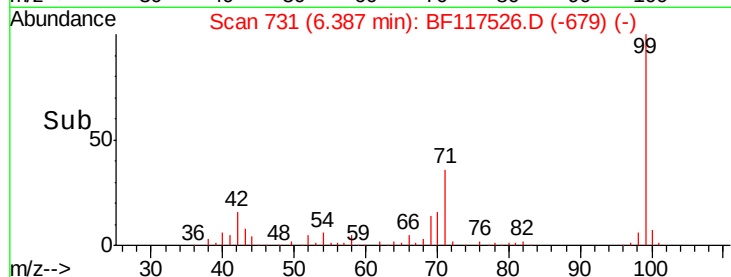
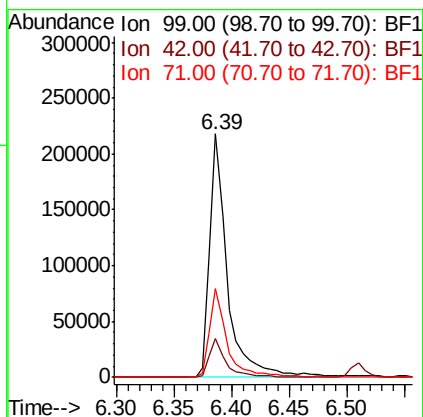
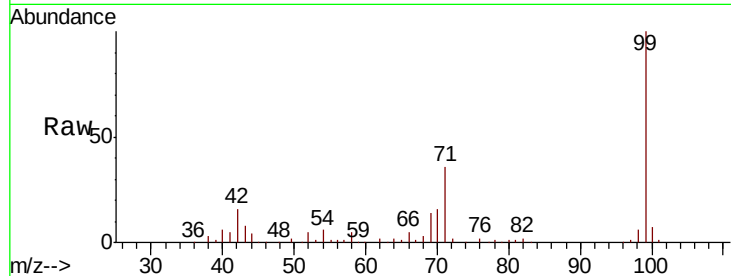
ClientSampled :

191-52-(0-1)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		234548		
42	16.1	12.8	19.2		
71	36.5	28.6	43.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

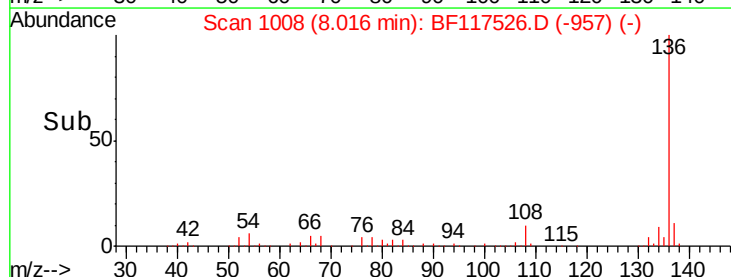
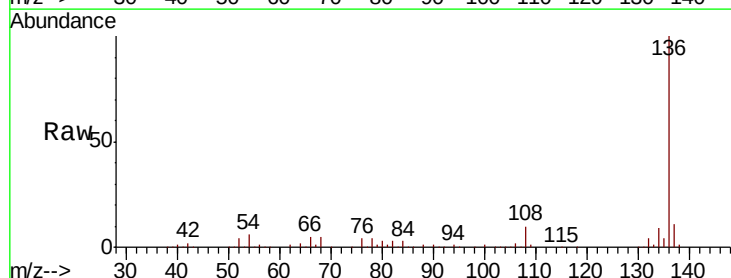
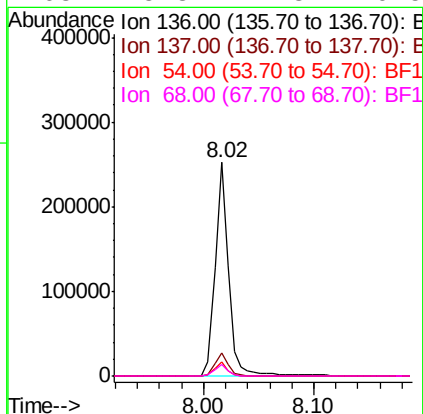
RT: 8.02 min Scan# 1008

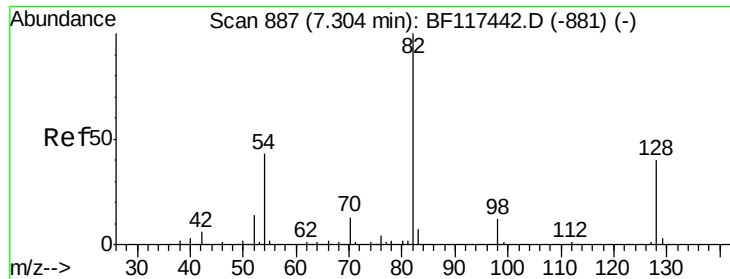
Delta R.T. -0.00 min

Lab File: BF117526.D

Acq: 24 Oct 2019 22:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		211294		
137	10.8	8.2	12.4		
54	6.3	4.5	6.7		
68	5.3	4.3	6.5		





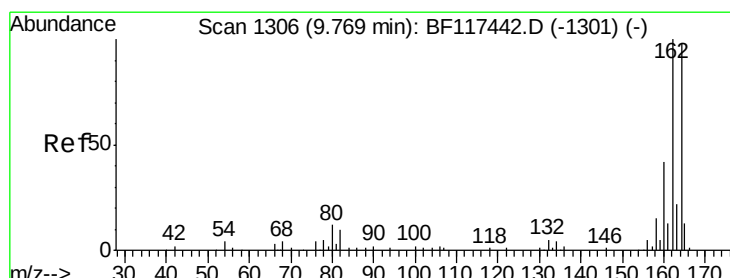
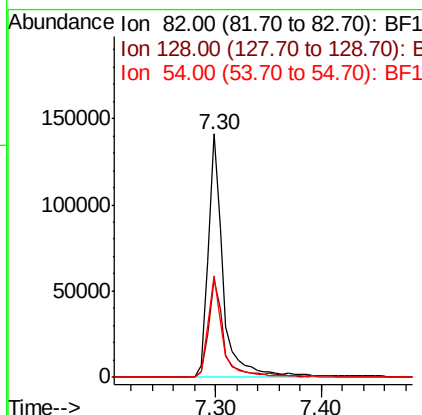
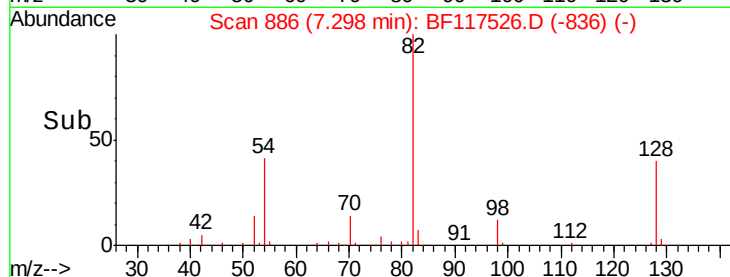
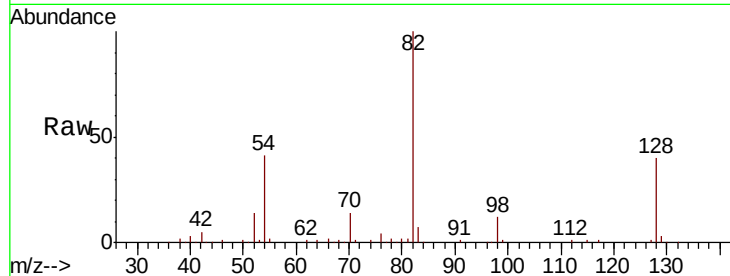
#23
 Nitrobenzene-d5
 Concen: 32.643 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF117526.D
 Acq: 24 Oct 2019 22:26

Instrument :
 BNA_F
 ClientSampleId :
 191-52-(0-1)

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.2	32.2	48.2
54	41.5	34.2	51.2

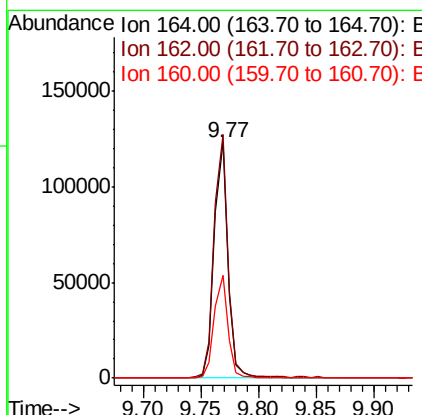
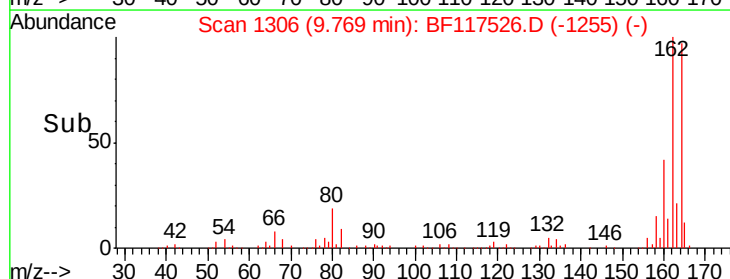
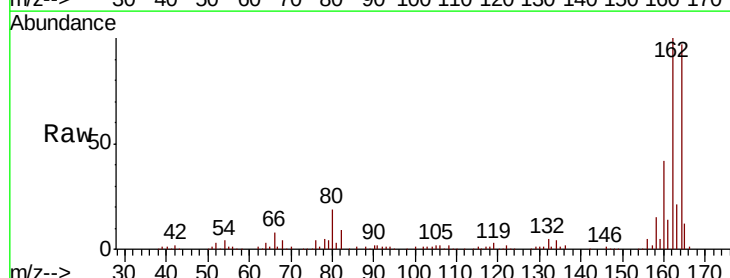
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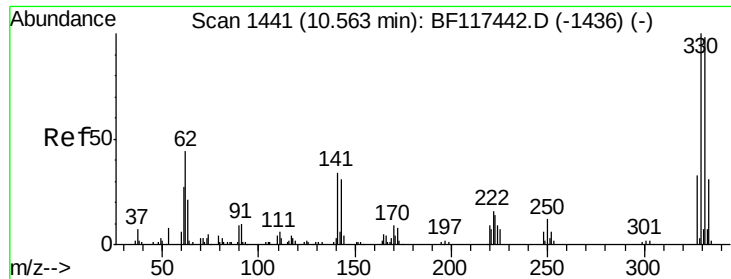
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: BF117526.D
 Acq: 24 Oct 2019 22:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.8	122.6
160	43.7	34.4	51.6





#42

2,4,6-Tribromophenol

Concen: 41.022 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.00 min

Lab File: BF117526.D

Acq: 24 Oct 2019 22:26

Instrument :

BNA_F

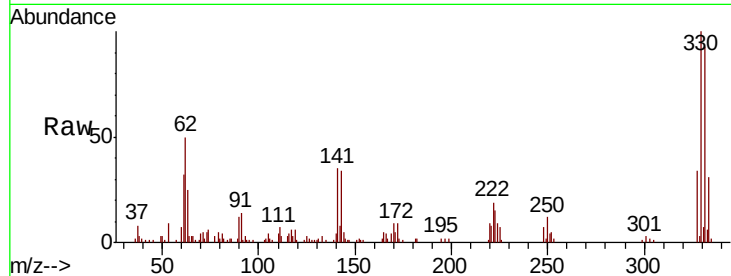
ClientSampled :

191-52-(0-1)

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.1	78.5	117.7
141	49.2	37.0	55.6

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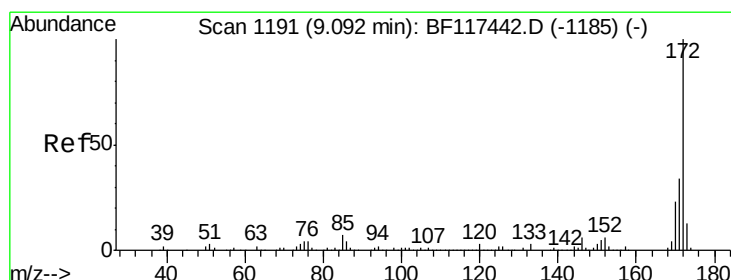
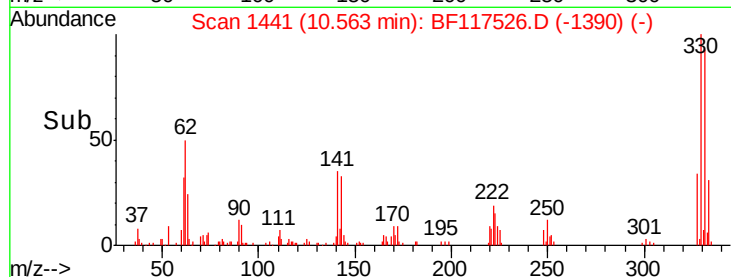
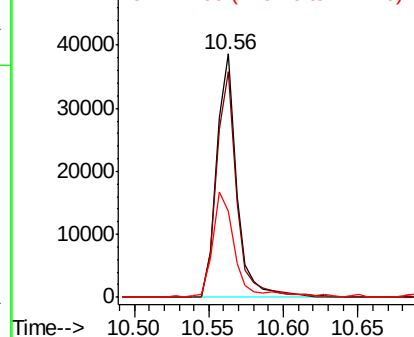


Abundance

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: 29.098 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF117526.D

Acq: 24 Oct 2019 22:26

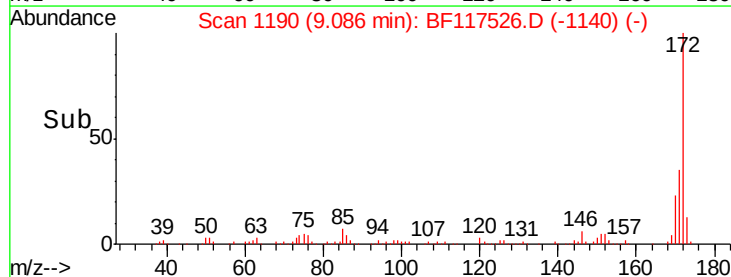
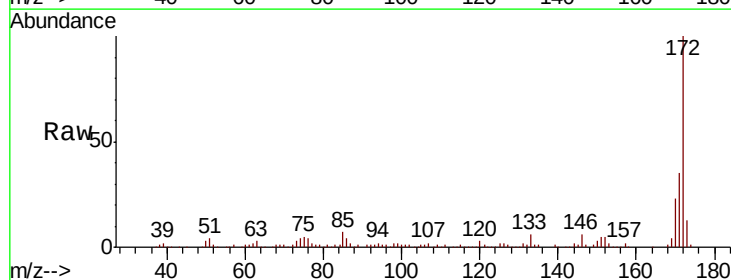
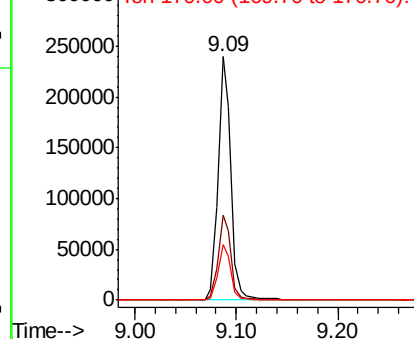
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.5	41.3
170	22.8	18.6	27.8

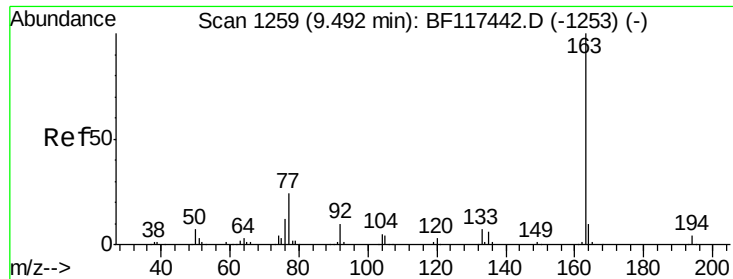
Abundance

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





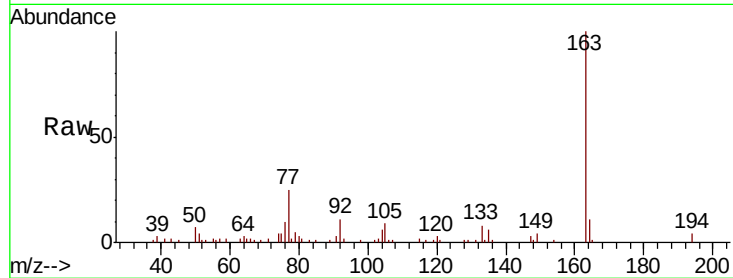
#50
Dimethylphthalate
Concen: 4.169 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF117526.D
Acq: 24 Oct 2019 22:26

Instrument :
BNA_F
ClientSampleId :
191-52-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	30370		
194	3.6		2.9	4.3
164	10.9		8.2	12.2

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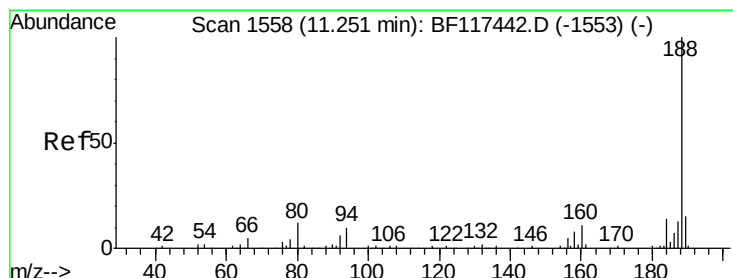
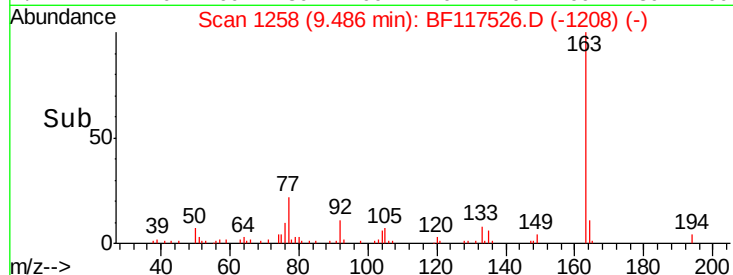
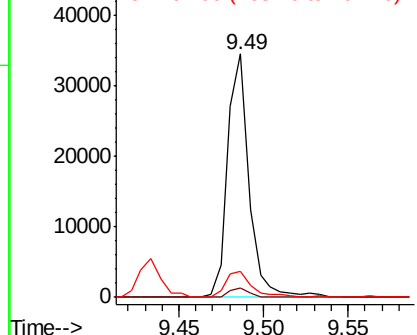


Abundance

Ion 163.00 (162.70 to 163.70): E

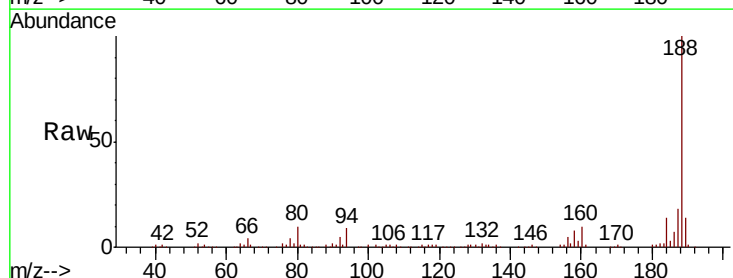
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BF117526.D
Acq: 24 Oct 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	138346		
94	9.0		8.0	12.0
80	9.6		9.5	14.3

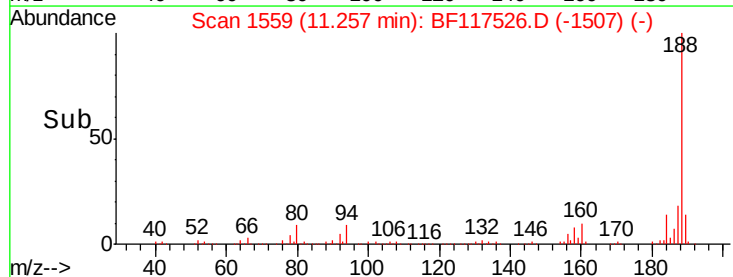
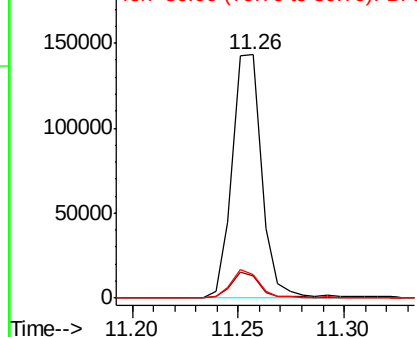


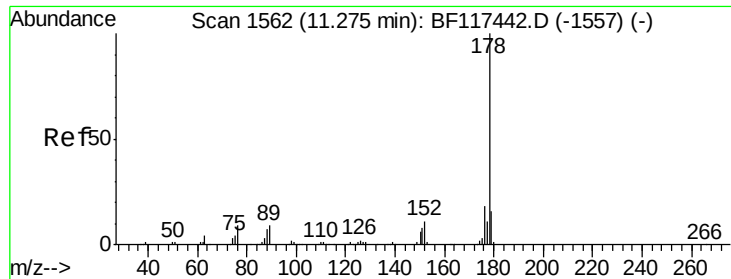
Abundance

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





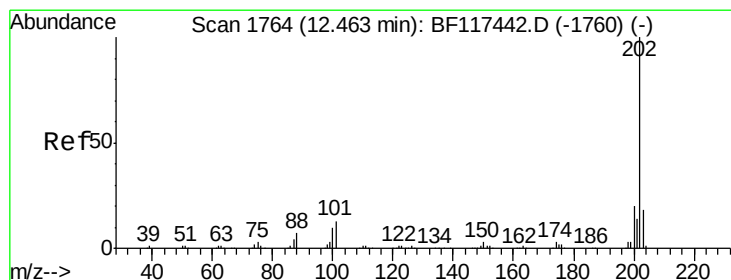
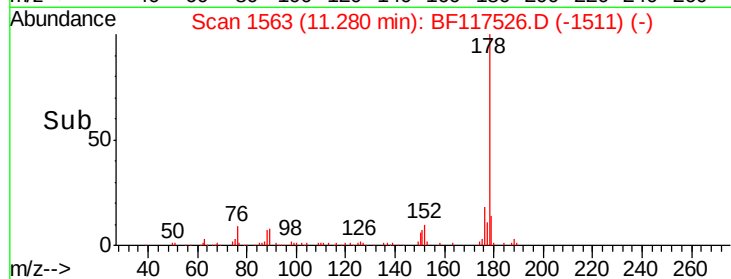
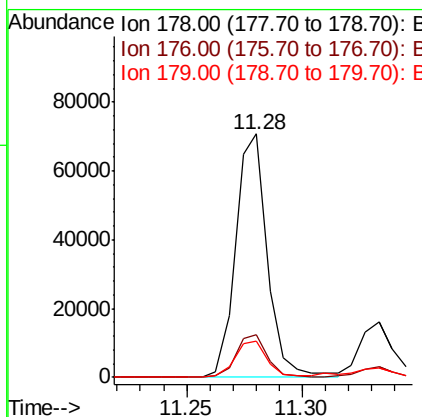
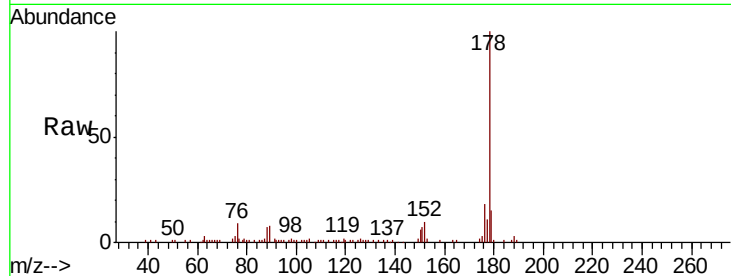
#71
Phenanthrene
Concen: 8.440 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF117526.D
Acq: 24 Oct 2019 22:26

Instrument :
BNA_F
ClientSampleId :
191-52-(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.6	22.0
179	14.7	12.6	19.0

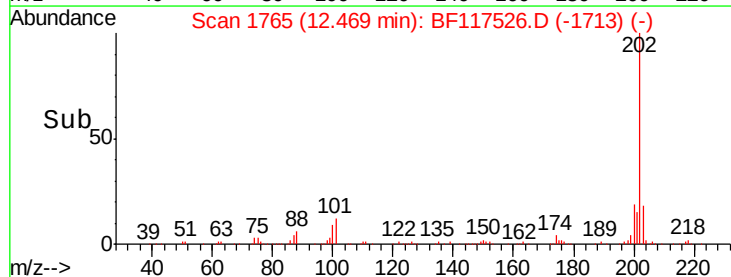
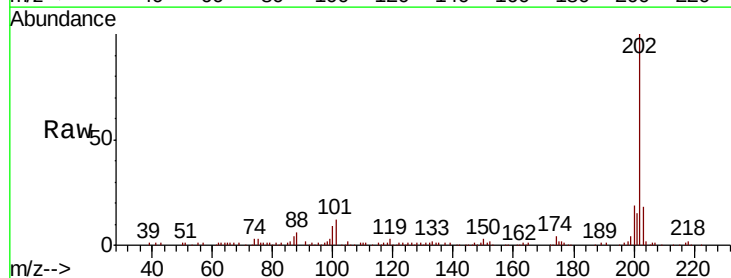
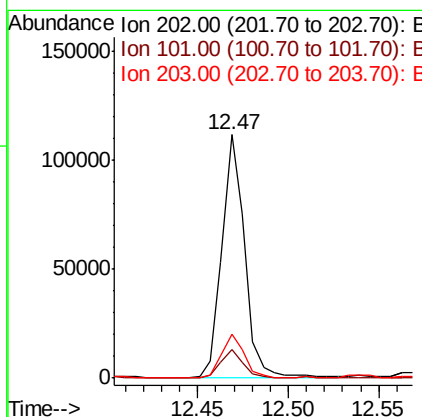
Manual Integrations
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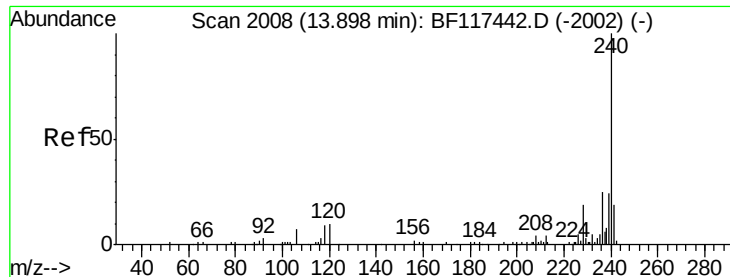
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#75
Fluoranthene
Concen: 12.270 ng
RT: 12.47 min Scan# 1765
Delta R.T. 0.01 min
Lab File: BF117526.D
Acq: 24 Oct 2019 22:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	32.7
203	18.2	0.0	37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF117526.D

Acq: 24 Oct 2019 22:26

Instrument :

BNA_F

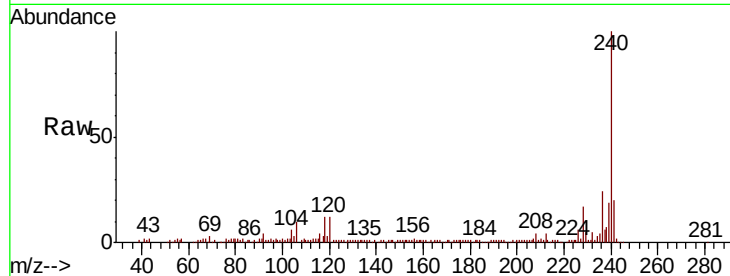
ClientSampled :

191-52-(0-1)

Tot Ion:	240	Resp:	93411
Ion Ratio	Lower	Upper	
240	100		
120	12.4	8.4	12.6
236	24.3	20.0	30.0

Manual Integrations
APPROVED

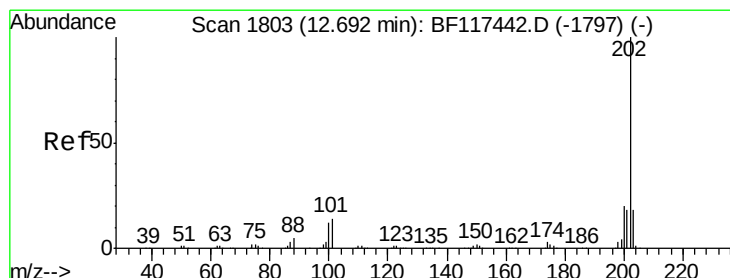
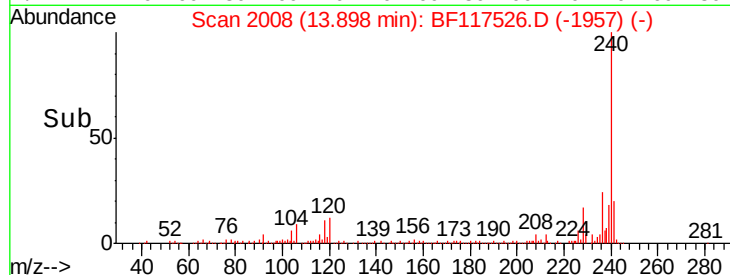
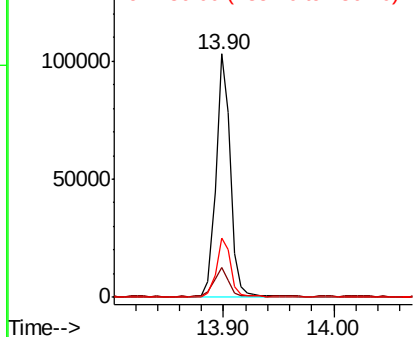
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 11.453 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.01 min

Lab File: BF117526.D

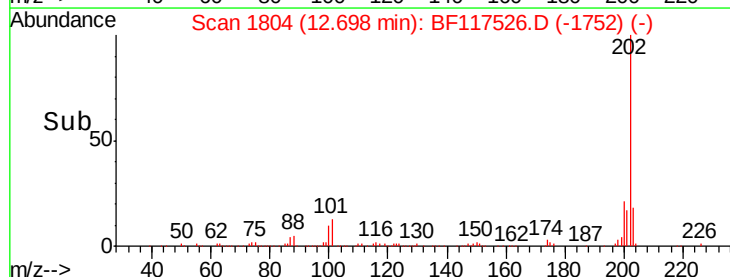
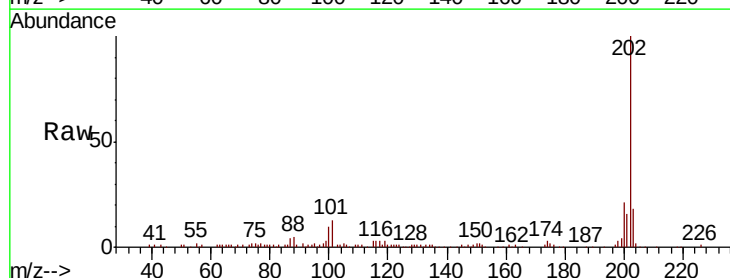
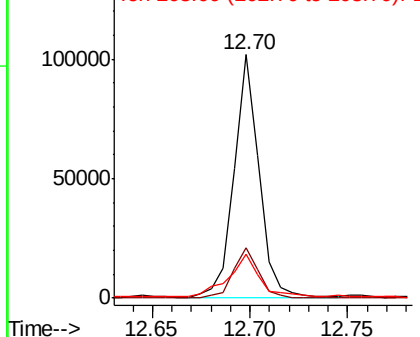
Acq: 24 Oct 2019 22:26

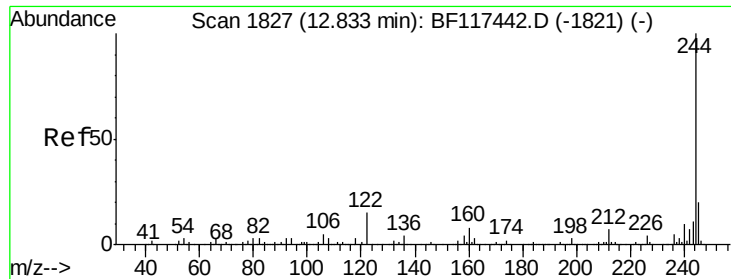
Tgt Ion:	202	Resp:	91895
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.2	24.2
203	18.0	14.0	21.0

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





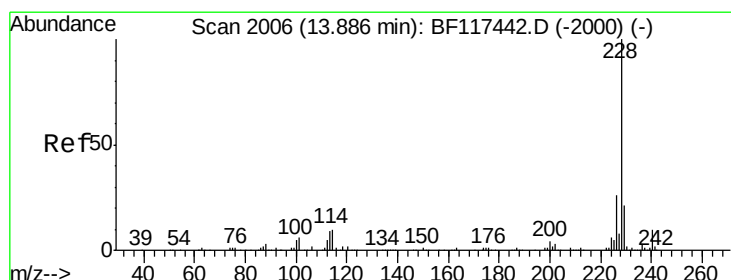
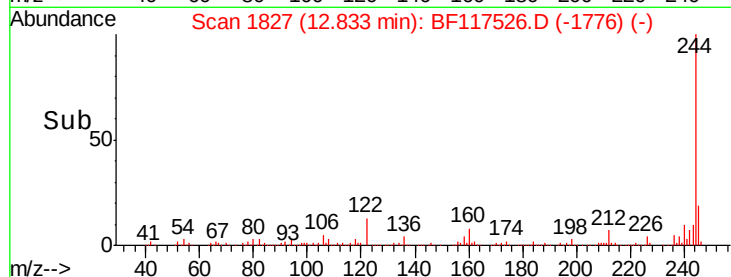
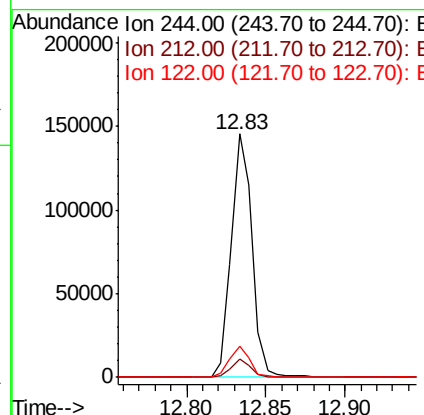
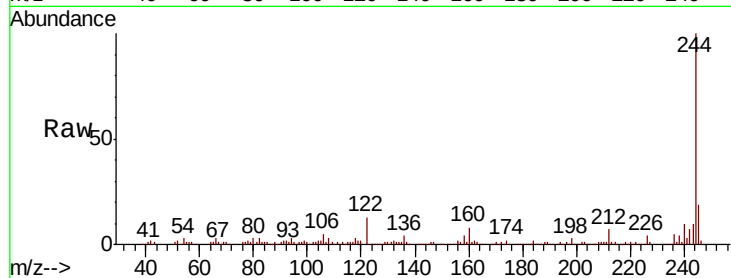
#79
 Terphenyl-d14
 Concen: 23.147 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: BF117526.D
 Acq: 24 Oct 2019 22:26

Instrument :
 BNA_F
 ClientSampleId :
 191-52-(0-1)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	12.8	11.8	17.8

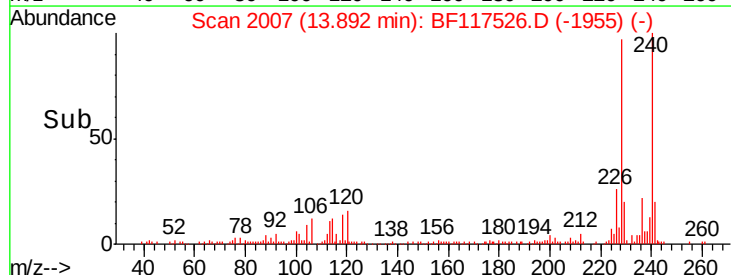
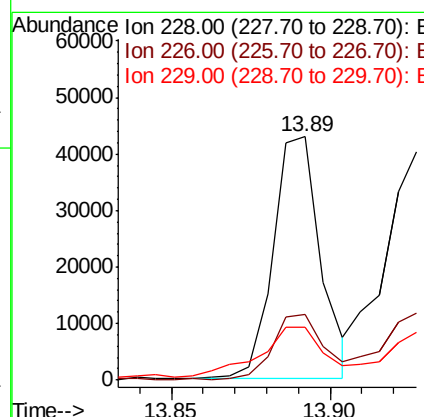
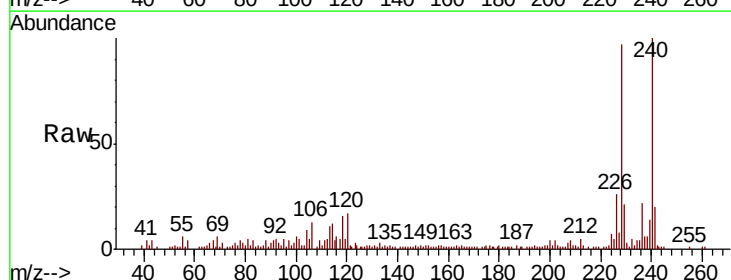
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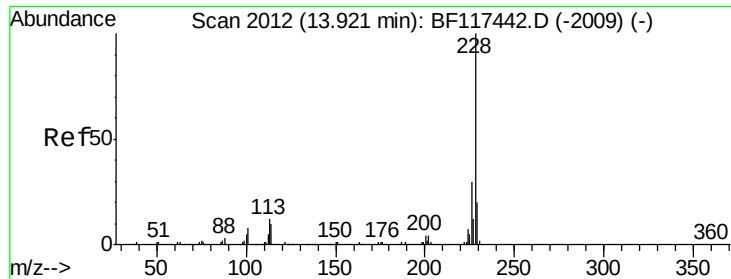
mohammad
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#81
 Benzo(a)anthracene
 Concen: 7.037 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. 0.01 min
 Lab File: BF117526.D
 Acq: 24 Oct 2019 22:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.0	31.4
229	21.5	16.4	24.6





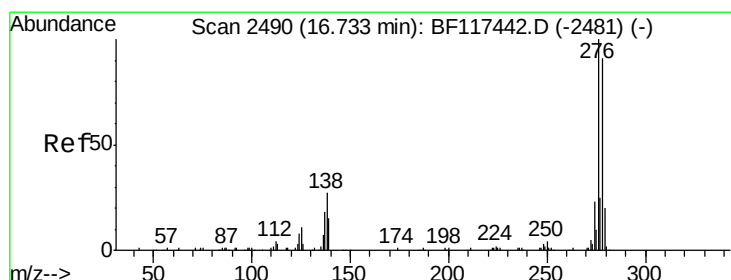
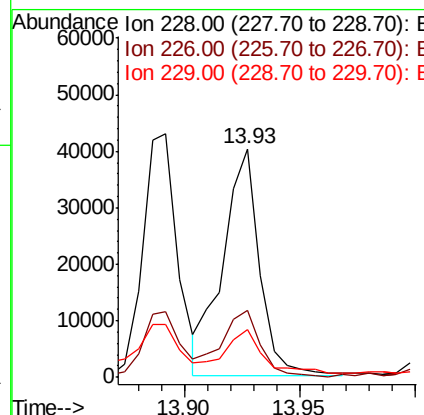
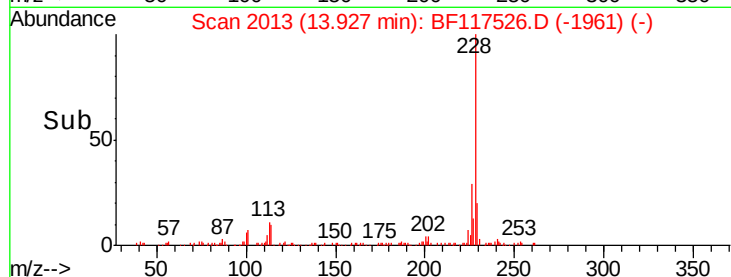
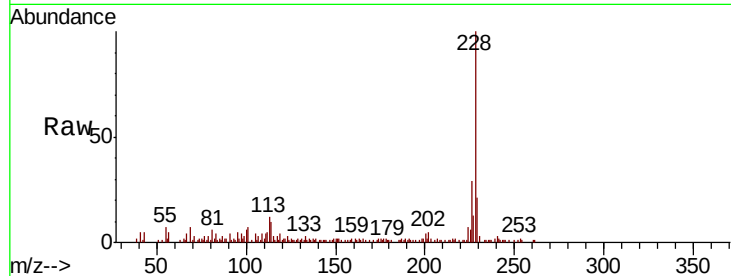
#83
Chrysene
Concen: 7.173 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF117526.D
Acq: 24 Oct 2019 22:26

Instrument :
BNA_F
ClientSampleId :
191-52-(0-1)

Tot Ion:228	Resp:	44297
Ion Ratio	Lower	Upper
228 100		
226 29.3	23.9	35.9
229 21.0	15.8	23.6

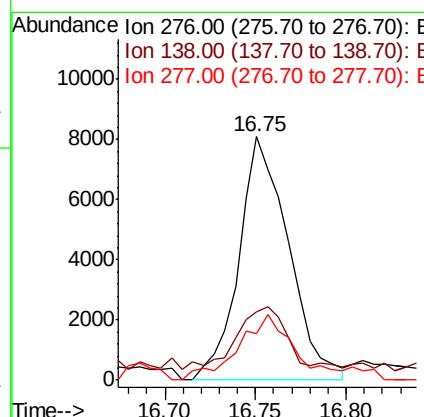
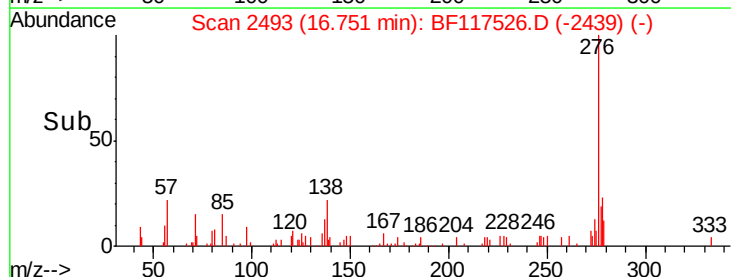
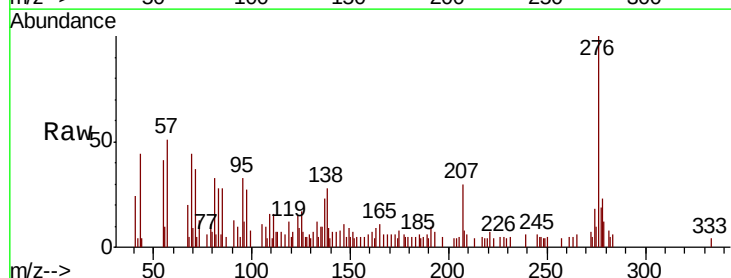
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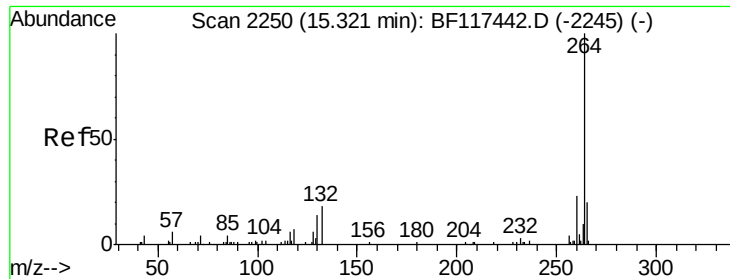
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.342 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BF117526.D
Acq: 24 Oct 2019 22:26

Tgt Ion:276	Resp:	15407
Ion Ratio	Lower	Upper
276 100		
138 23.5	21.8	32.8
277 30.3	20.0	30.0#





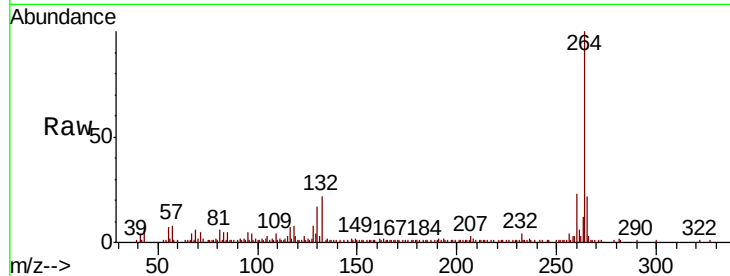
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117526.D
Acq: 24 Oct 2019 22:26

Instrument :
BNA_F
ClientSampleId :
191-52-(0-1)

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.4	27.6
265	22.1	16.1	24.1

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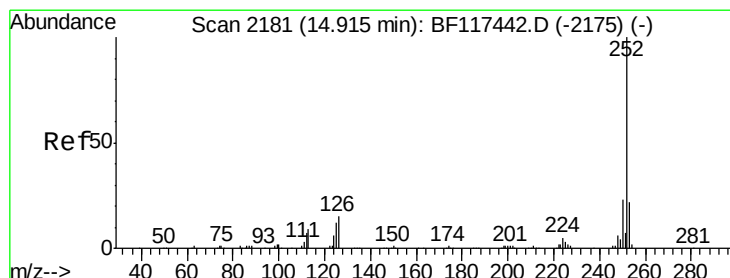
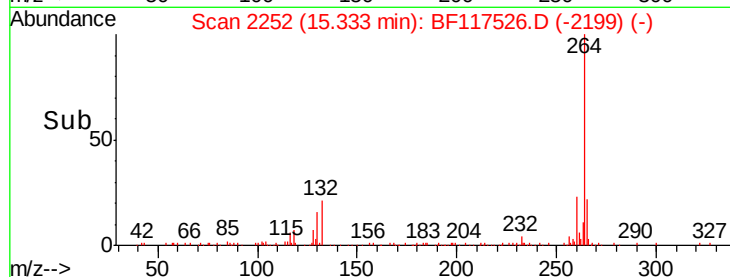
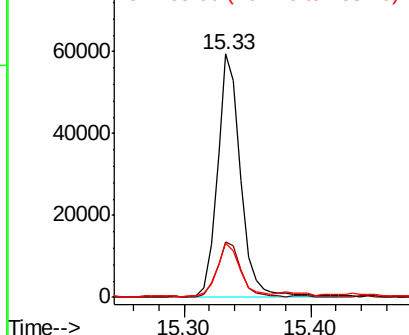


Abundance

Ion 264.00 (263.70 to 264.70): E

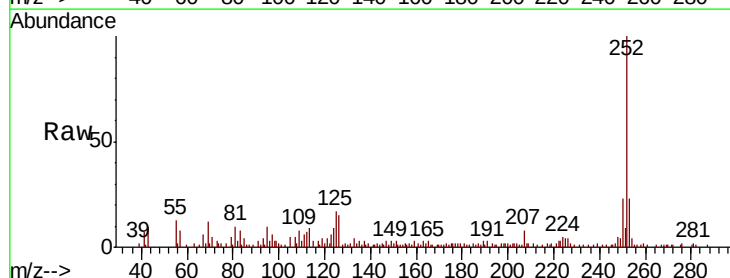
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 10.250 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117526.D
Acq: 24 Oct 2019 22:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	17.1	9.9	14.9#

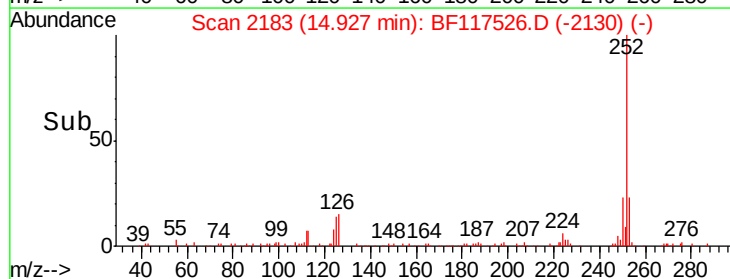
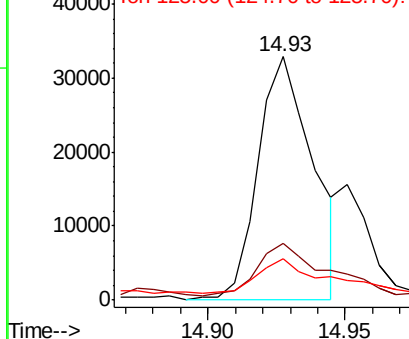


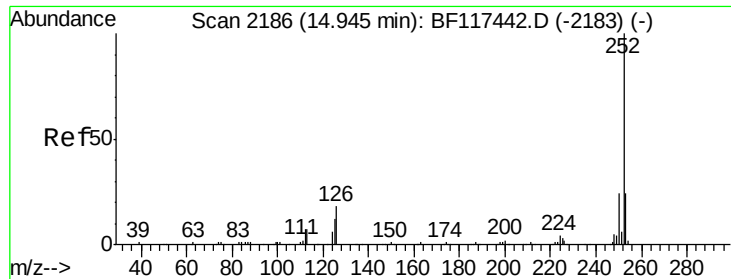
Abundance

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





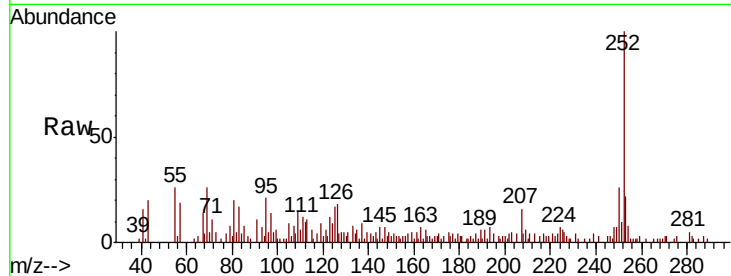
#89
Benzo(k)fluoranthene
Concen: 2.886 ng m
RT: 14.95 min Scan# 2187
Delta R.T. 0.01 min
Lab File: BF117526.D
Acq: 24 Oct 2019 22:26

Instrument :
BNA_F
ClientSampleId :
191-52-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	17.0	8.9	13.3

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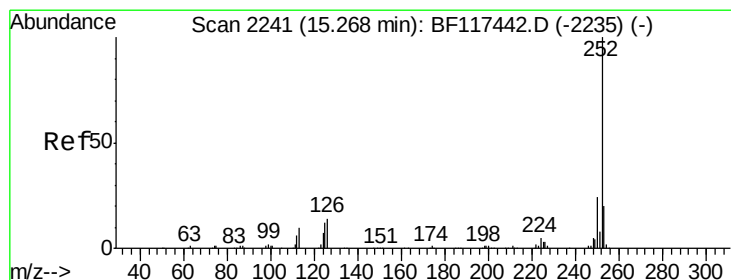
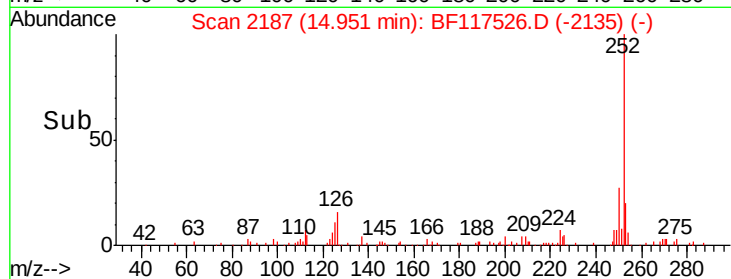
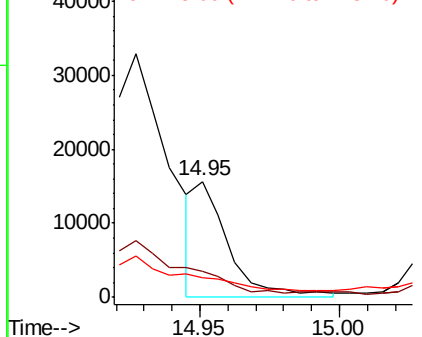


Abundance

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: 7.053 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117526.D
Acq: 24 Oct 2019 22:26

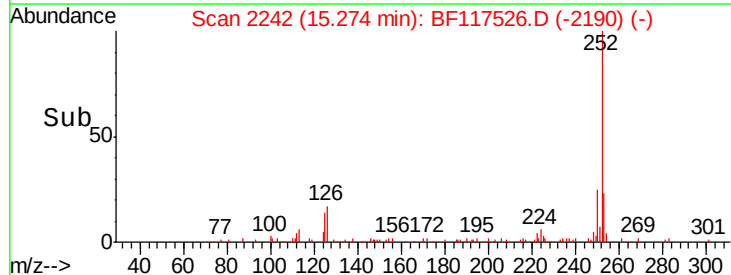
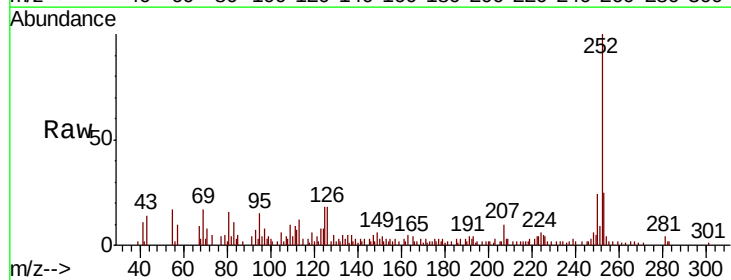
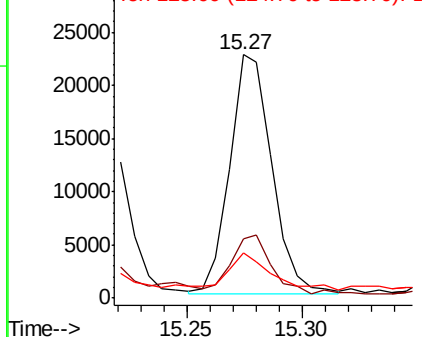
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	16.3	24.5
125	18.4	9.2	13.8

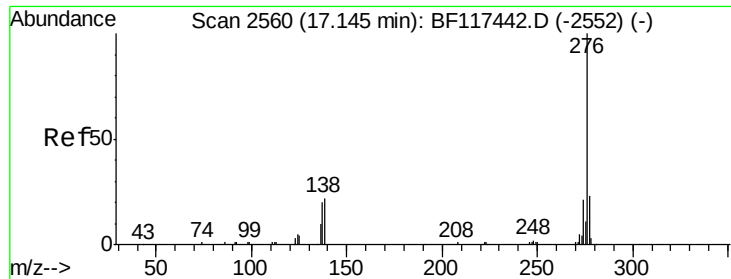
Abundance

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





#92
 Benzo(a,h,i)perylene
 Concen: 4.282 ng
 RT: 17.18 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: BF117526.D
 Acq: 24 Oct 2019 22:26

Instrument :
 BNA_F
 ClientSampleId :
 191-52-(0-1)

Tot Ion	Ion	Ratio	Lower	Upper
14314	276	100		
	277	23.0	18.4	27.6
	138	24.1	17.8	26.6

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