

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102319\
 Data File : BF117494.D
 Acq On : 23 Oct 2019 20:17
 Operator : JU
 Sample : K5494-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3-2FT

Manual Integrations
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Quant Time: Oct 24 08:59:57 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	41781	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	168790	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	88465	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	136346	20.00	ng	0.00
76) Chrysene-d12	13.89	240	83457	20.00	ng	0.00
87) Perylene-d12	15.32	264	94228	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	239522	85.29	ng	0.00
7) Phenol-d6	6.38	99	344516	91.33	ng	0.00
23) Nitrobenzene-d5	7.30	82	219673	64.25	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	64579	84.37	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	357890	57.00	ng	0.00
79) Terphenyl-d14	12.83	244	275574	53.86	ng	0.00
Target Compounds						
10) Phenol	6.39	94	8593	2.232	ng	94
50) Dimethylphthalate	9.48	163	47873	7.591	ng	# 99
71) Phenanthrene	11.27	178	88453	11.172	ng	98
72) Anthracene	11.33	178	33487	4.122	ng	95
75) Fluoranthene	12.46	202	157717	19.900	ng	98
78) Pyrene	12.69	202	124970	17.433	ng	99
81) Benzo(a)anthracene	13.88	228	59333	10.540	ng	99
83) Chrysene	13.92	228	47659	8.638	ng	97
86) Indeno(1,2,3-cd)pyrene	16.73	276	24353	5.912	ng	99
88) Benzo(b)fluoranthene	14.92	252	56727m	10.195	ng	
89) Benzo(k)fluoranthene	14.94	252	26514m	4.649	ng	
90) Benzo(a)pyrene	15.26	252	46484	9.188	ng	# 93
92) Benzo(a,h,i)perylene	17.16	276	20351	4.917	ng	98

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

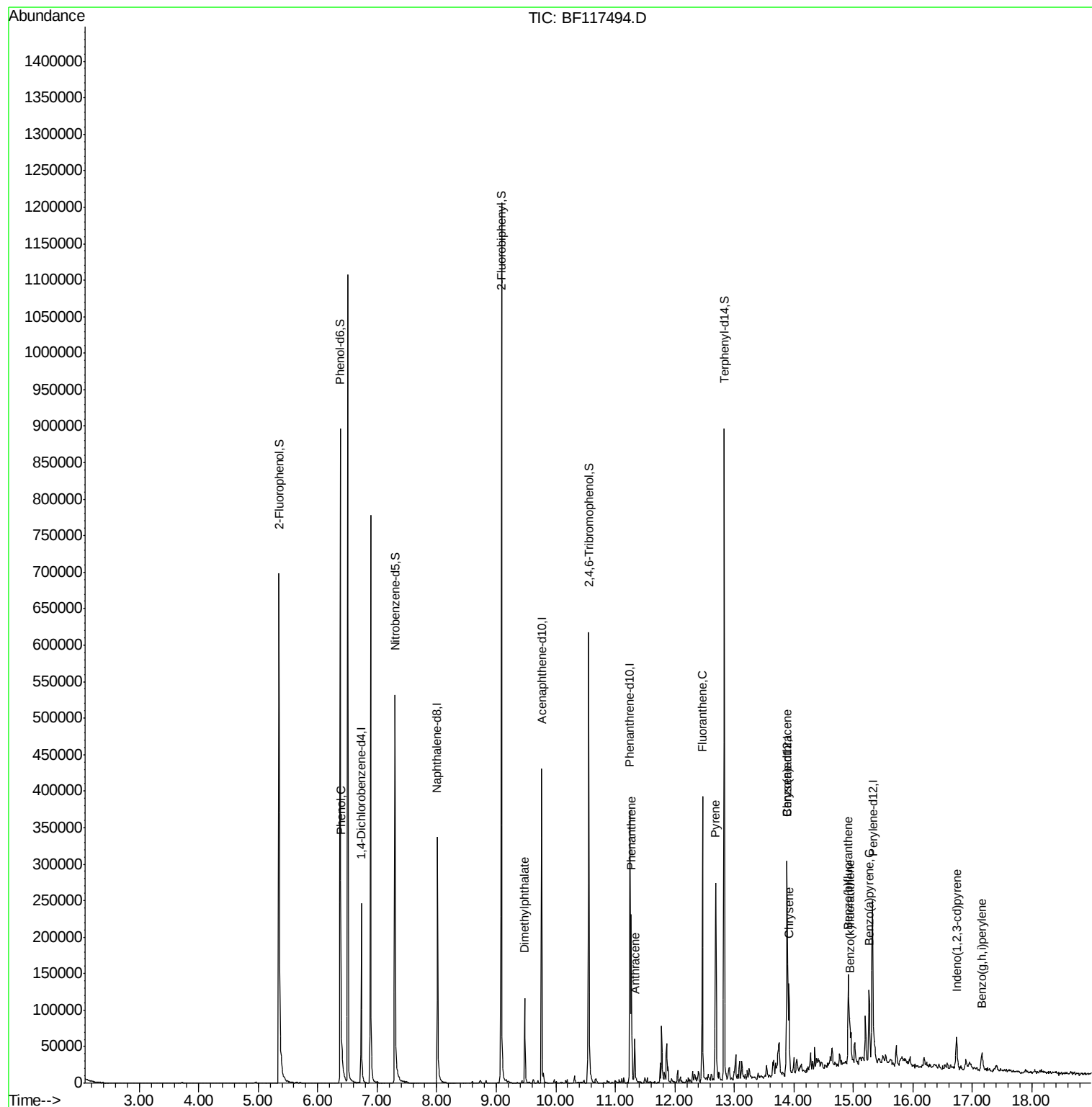
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102319\
Data File : BF117494.D
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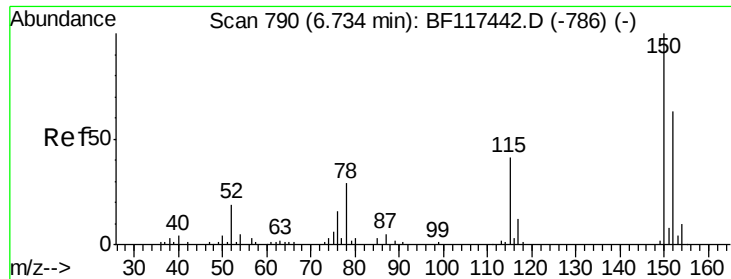
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#1

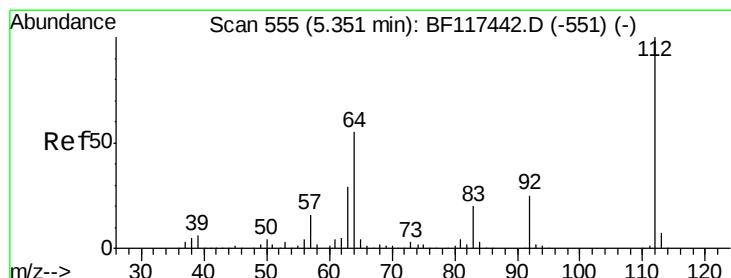
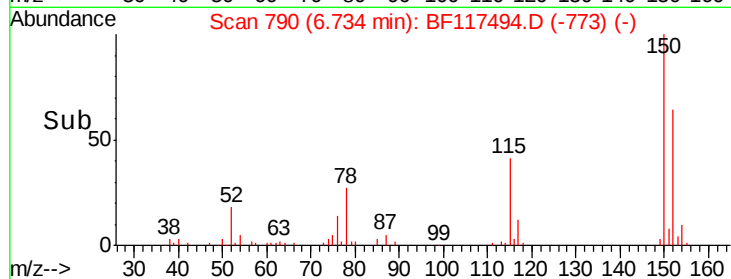
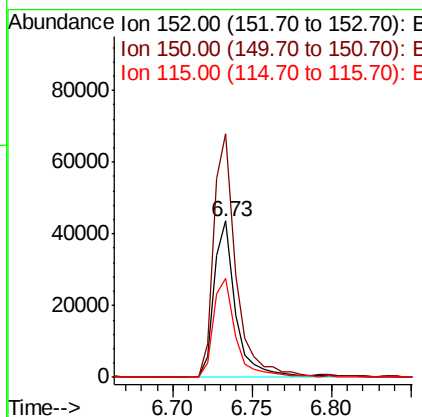
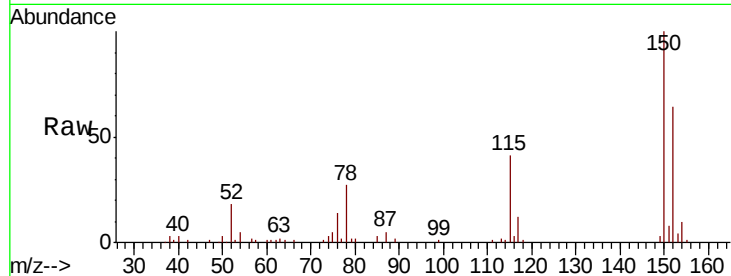
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :
TP3-2FT

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	126.8	190.2
115	63.0	51.6	77.4

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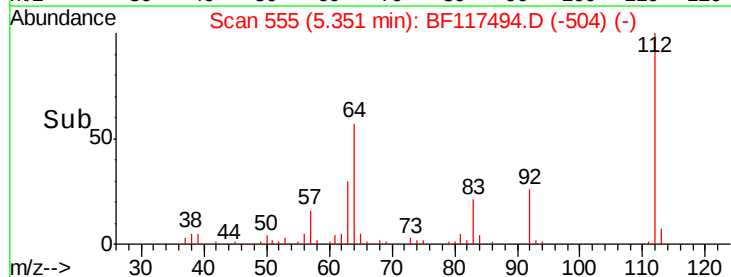
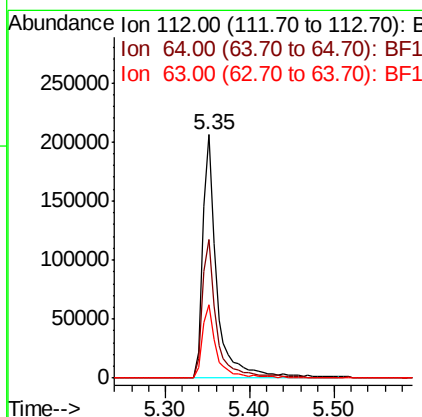
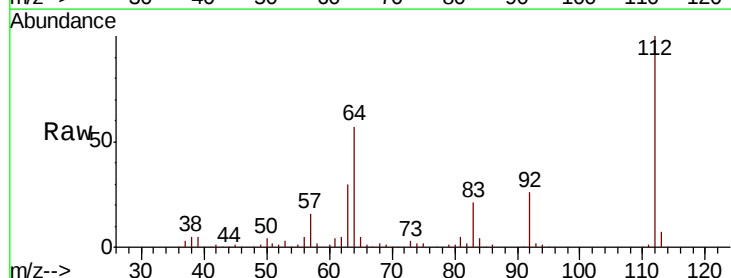
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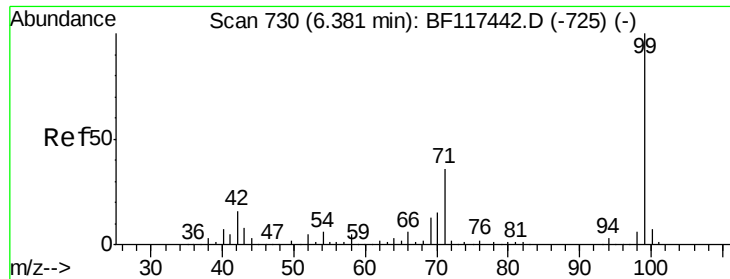


#5

2-Fluorophenol
Concen: 85.287 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	44.1	66.1
63	30.3	23.4	35.2





#7

Phenol-d6

Concen: 91.334 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117494.D

Acq: 23 Oct 2019 20:17

Instrument :

BNA_F

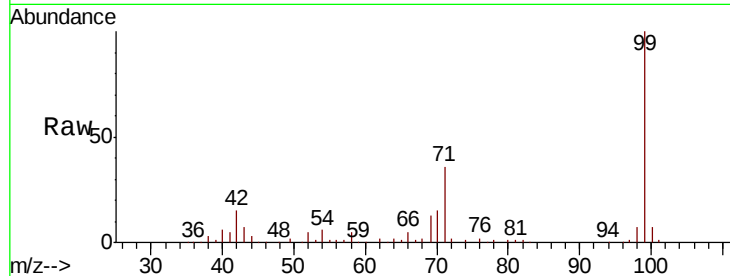
ClientSampleId :

TP3-2FT

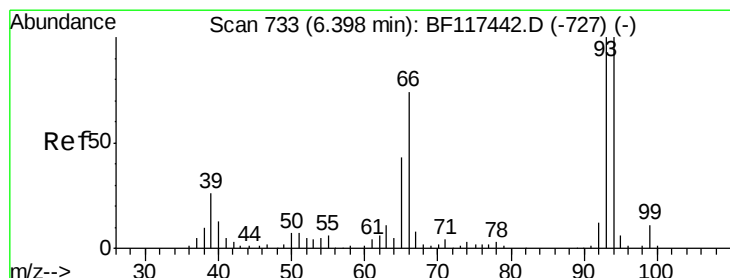
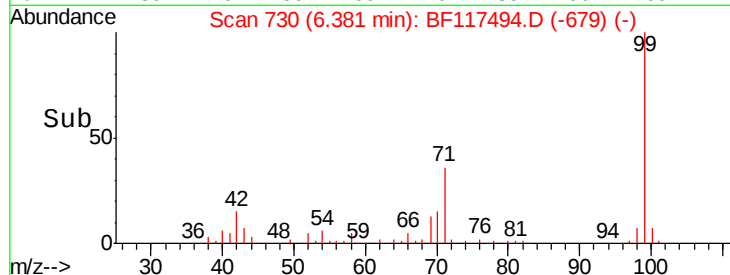
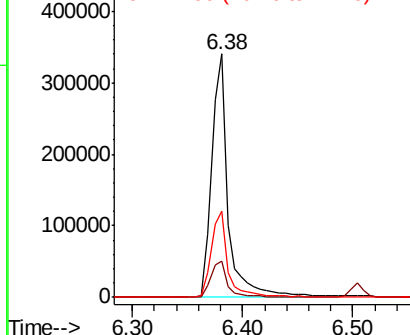
Tot Ion:	99	Resp:	344516
Ion	Ratio	Lower	Upper
99	100		
42	14.8	12.8	19.2
71	35.6	28.6	43.0

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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



#10

Phenol

Concen: 2.232 ng

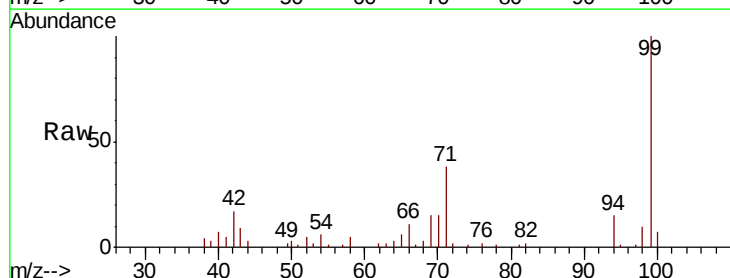
RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

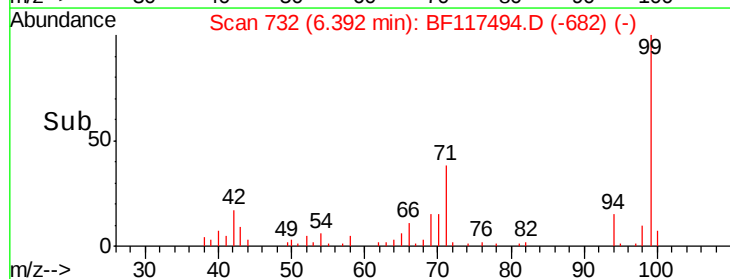
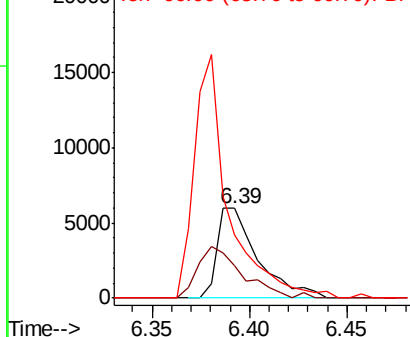
Lab File: BF117494.D

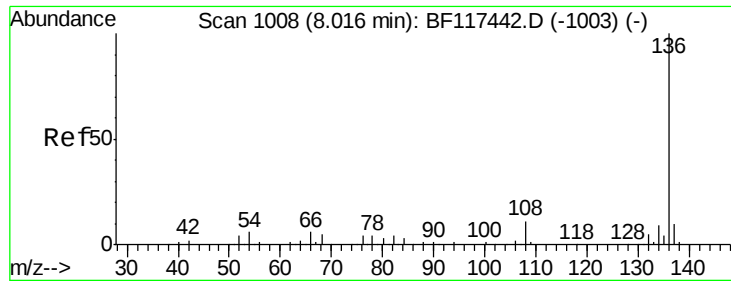
Acq: 23 Oct 2019 20:17

Tgt Ion:	94	Resp:	8593
Ion	Ratio	Lower	Upper
94	100		
65	36.9	23.4	63.4
66	71.1	54.7	94.7



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





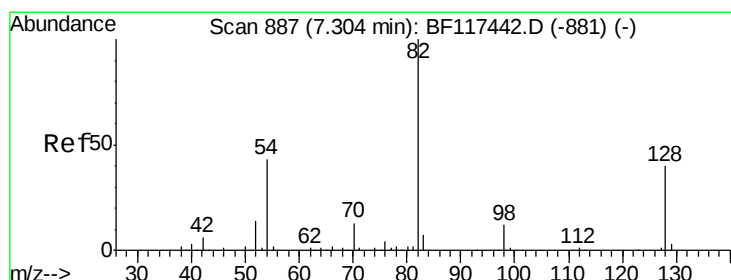
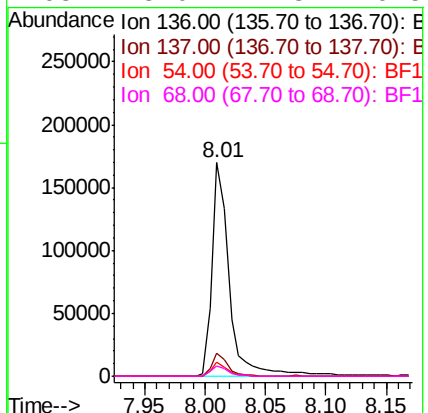
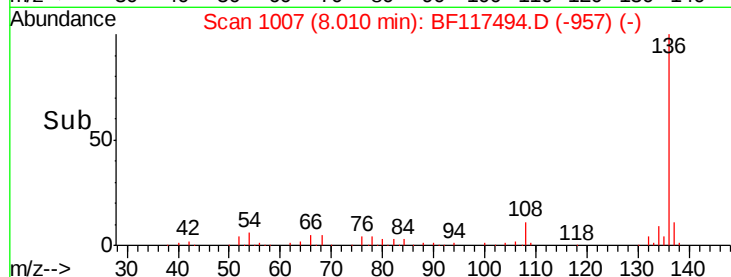
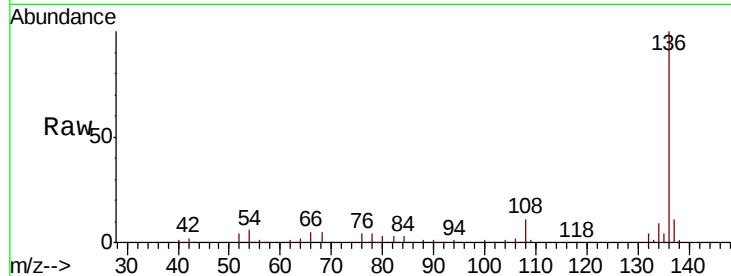
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :
TP3-2FT

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		168790		
137	10.7	8.2	12.4		
54	6.5	4.5	6.7		
68	5.0	4.3	6.5		

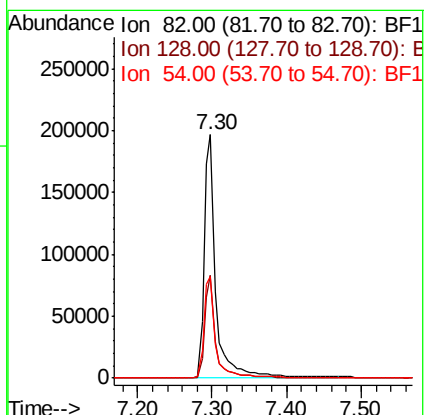
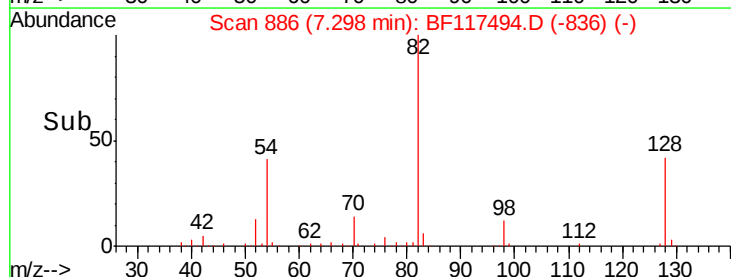
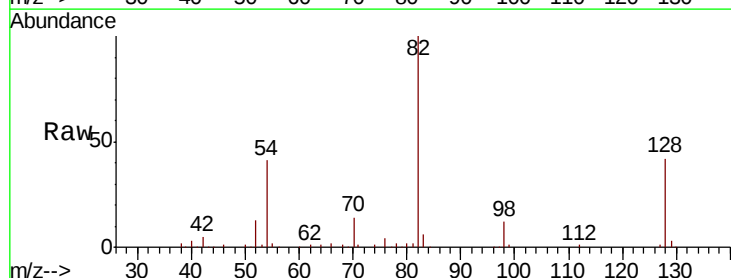
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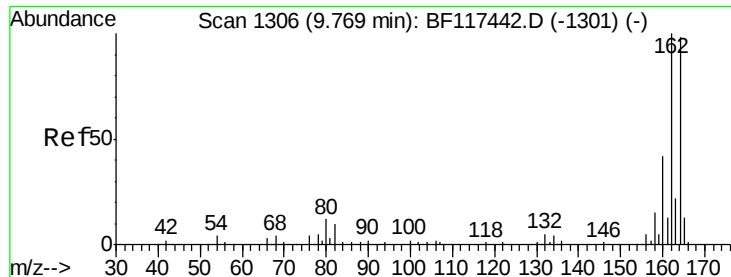
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#23
Nitrobenzene-d5
Concen: 64.250 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		219673		
128	42.3	32.2	48.2		
54	41.5	34.2	51.2		





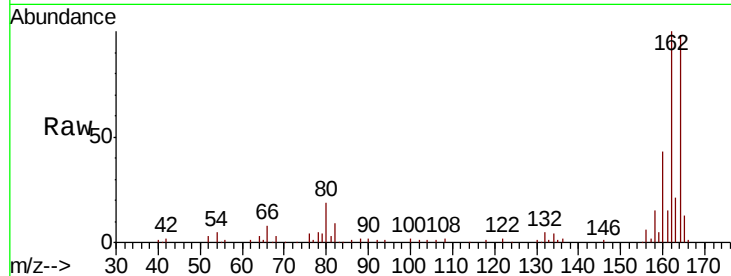
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF117494.D
 Acq: 23 Oct 2019 20:17

Instrument :
 BNA_F
 ClientSampleId :
 TP3-2FT

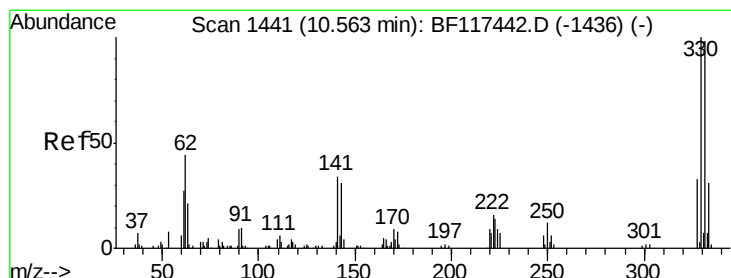
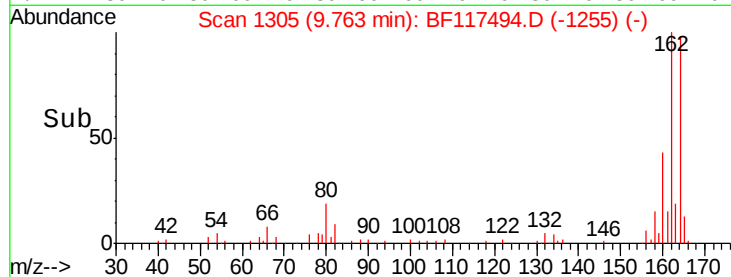
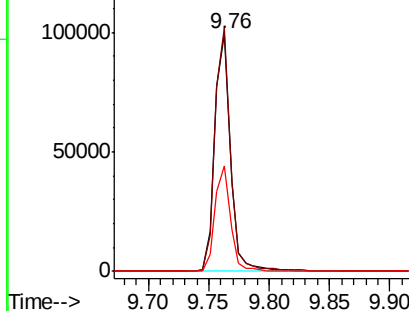
Tot Ion:	164	Resp:	88465
Ion Ratio	Lower	Upper	
164	100		
162	102.6	81.8	122.6
160	44.3	34.4	51.6

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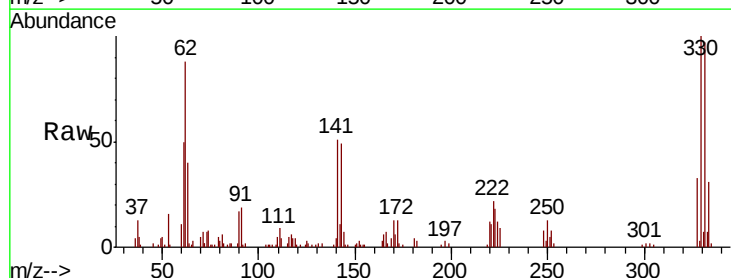


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

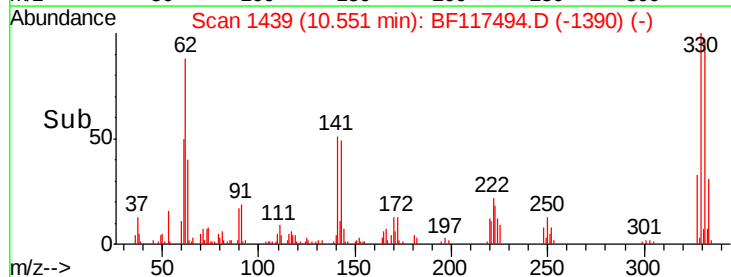
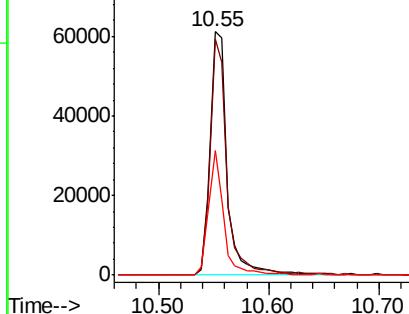


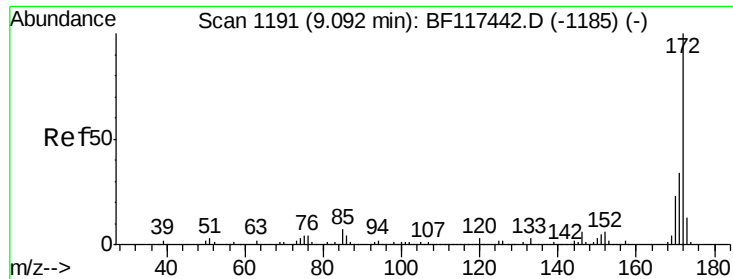
#42
 2,4,6-Tribromophenol
 Concen: 84.367 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF117494.D
 Acq: 23 Oct 2019 20:17

Tgt Ion:	330	Resp:	64579
Ion Ratio	Lower	Upper	
330	100		
332	93.5	78.5	117.7
141	44.7	37.0	55.6



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





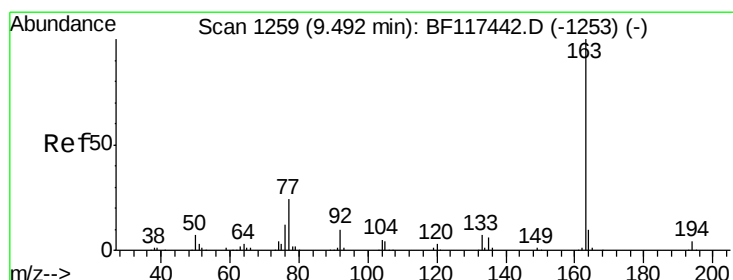
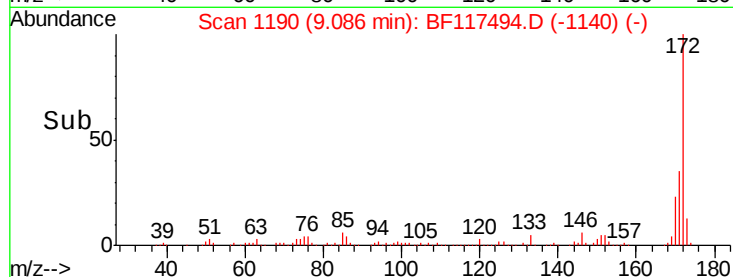
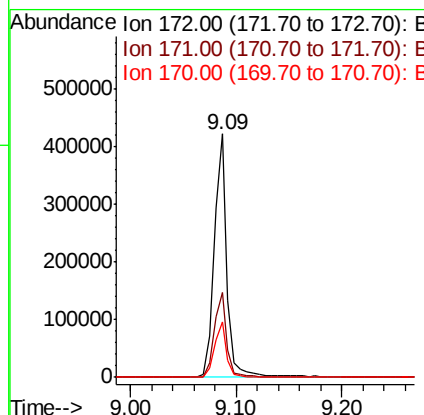
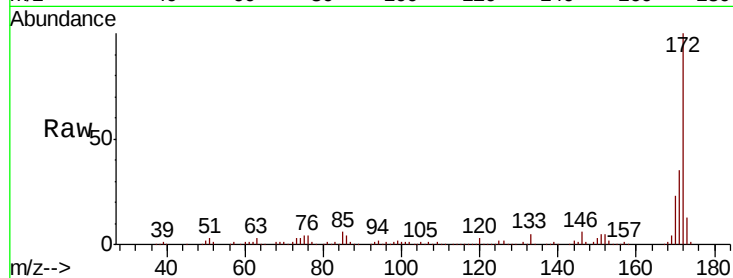
#45
2-Fluorobiphenyl
Concen: 57.001 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :
TP3-2FT

Tot Ion	Ratio	Resp	Lower	Upper
172	100	357890		
171	34.7		27.5	41.3
170	22.9		18.6	27.8

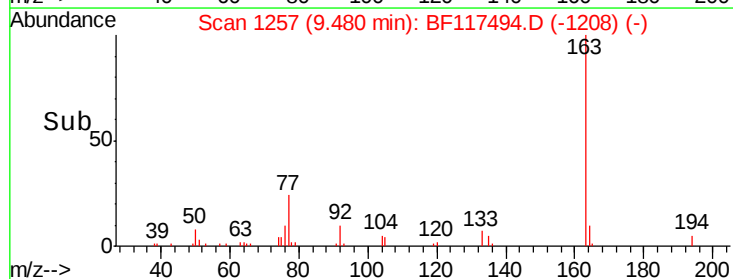
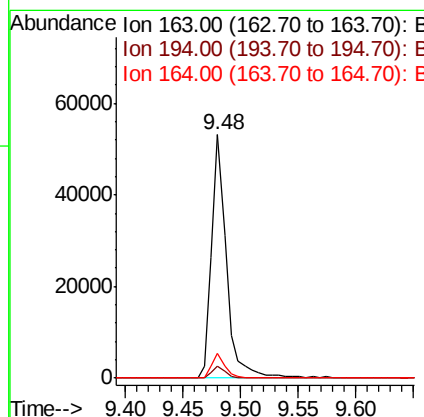
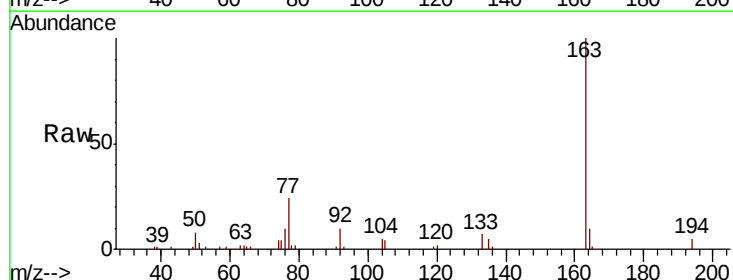
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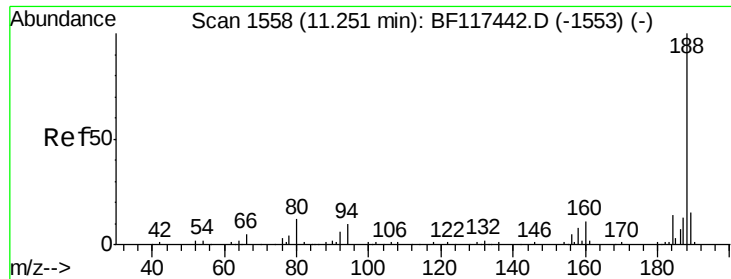
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#50
Dimethylphthalate
Concen: 7.591 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	47873		
194	4.7		2.9	4.3#
164	10.2		8.2	12.2





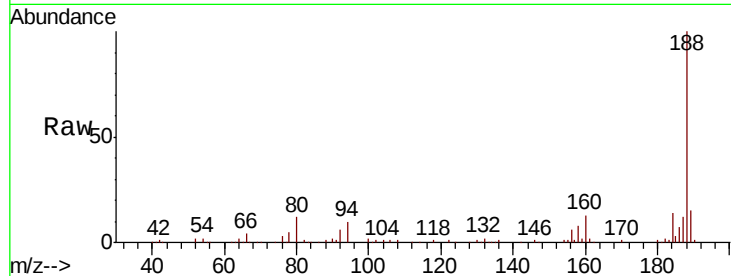
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :
TP3-2FT

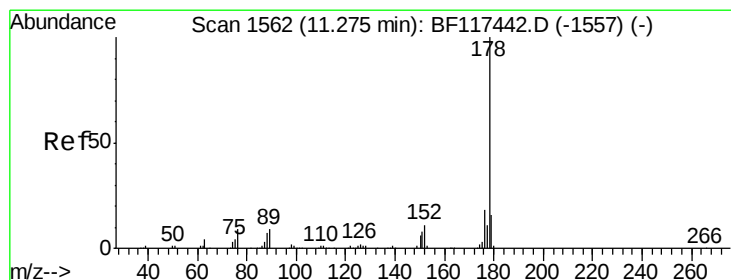
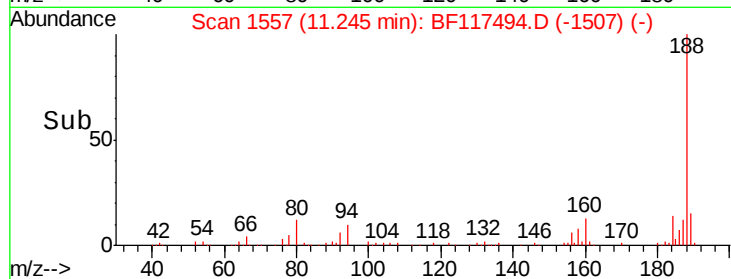
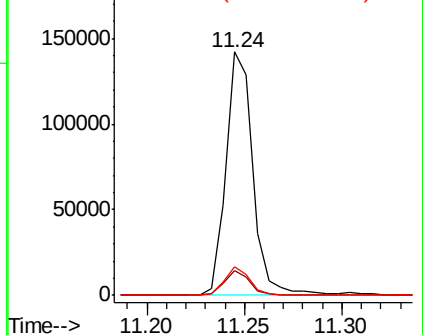
Tot Ion	Ratio	Resp	Lower	Upper
188	100	136346		
94	10.3	8.0	12.0	
80	11.9	9.5	14.3	

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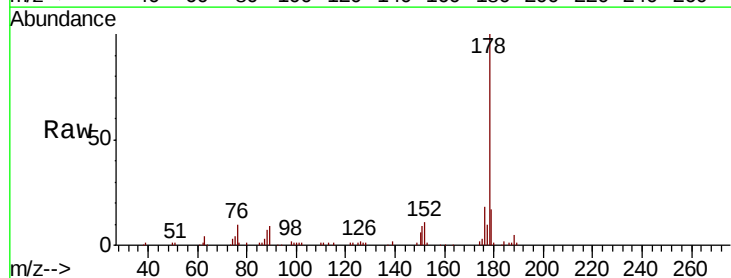


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

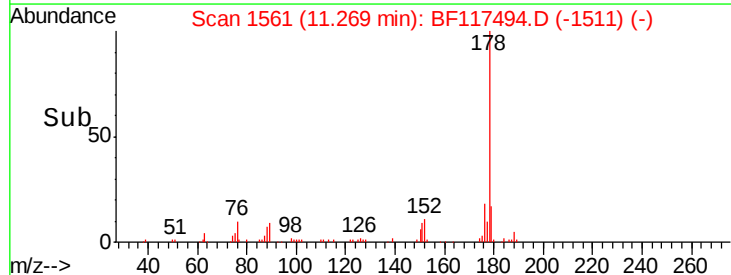
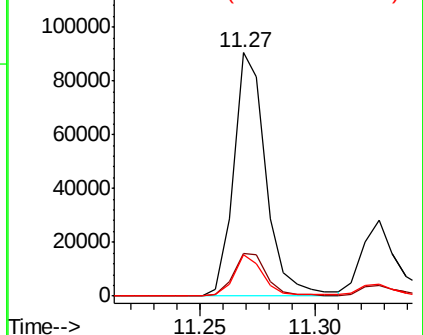


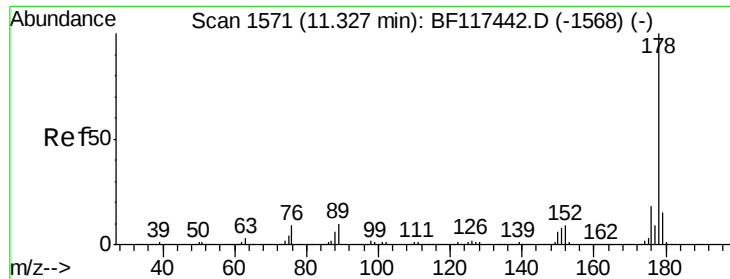
#71
Phenanthrene
Concen: 11.172 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	88453		
176	17.7	14.6	22.0	
179	16.8	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: 4.122 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF117494.D

Acq: 23 Oct 2019 20:17

Instrument :

BNA_F

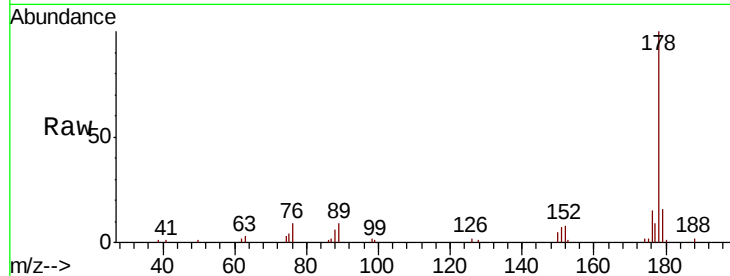
ClientSampleId :

TP3-2FT

Tot Ion	Ratio	Lower	Upper
178	100		
176	14.7	14.7	22.1
179	15.9	12.2	18.2

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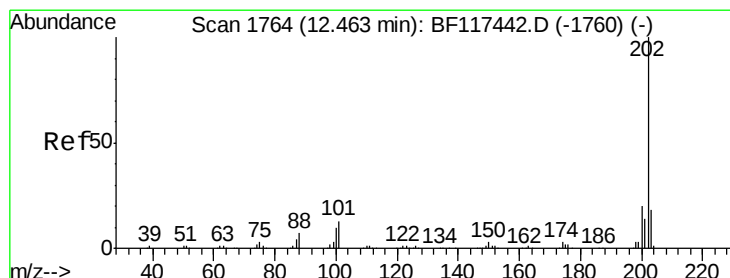
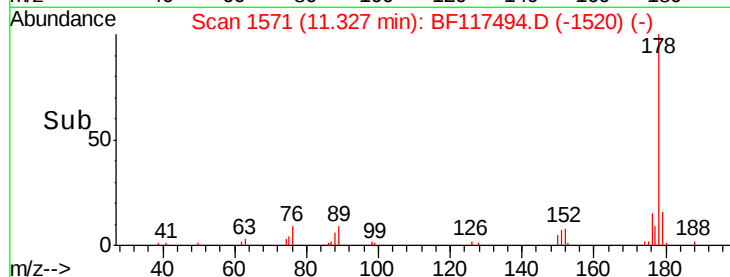
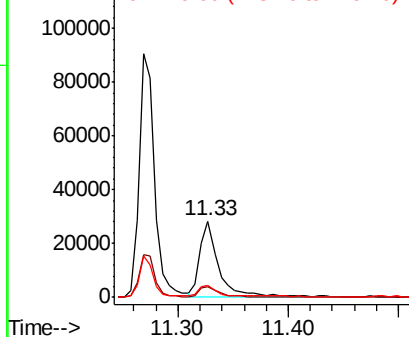


Abundance

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



#75

Fluoranthene

Concen: 19.900 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117494.D

Acq: 23 Oct 2019 20:17

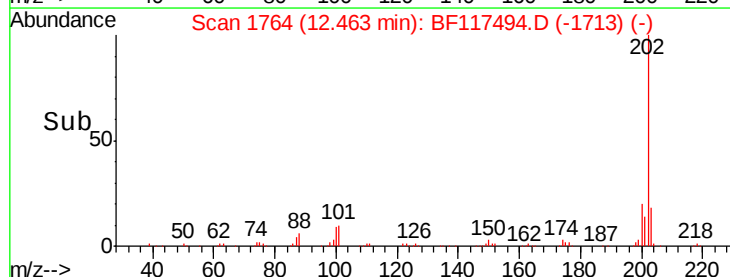
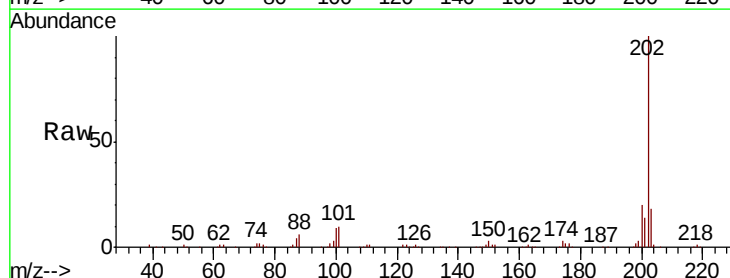
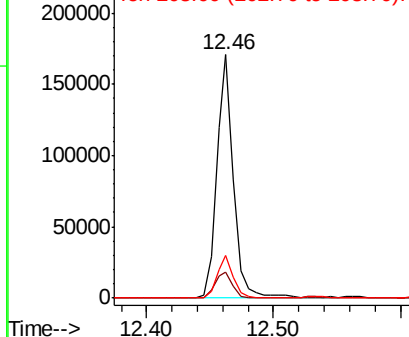
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	32.7
203	17.6	0.0	37.6

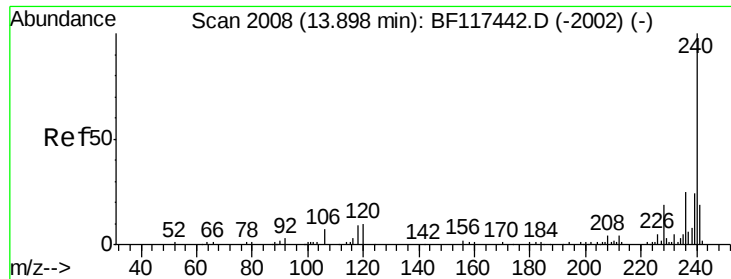
Abundance

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





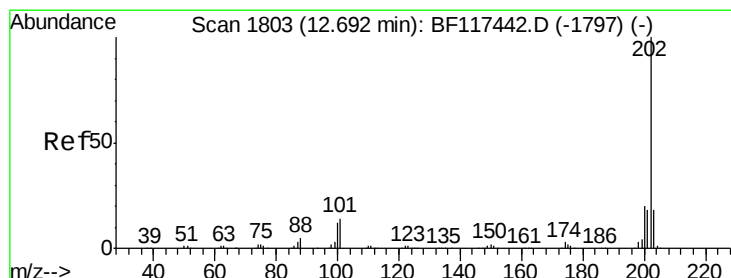
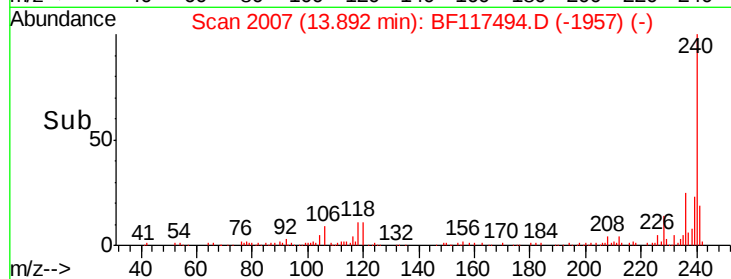
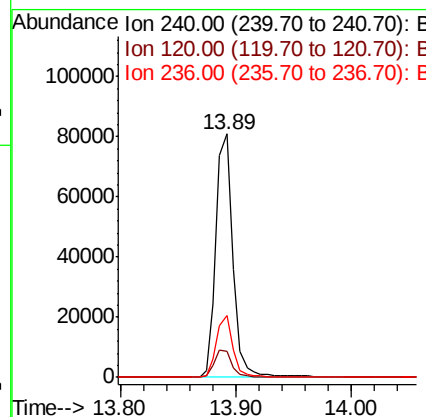
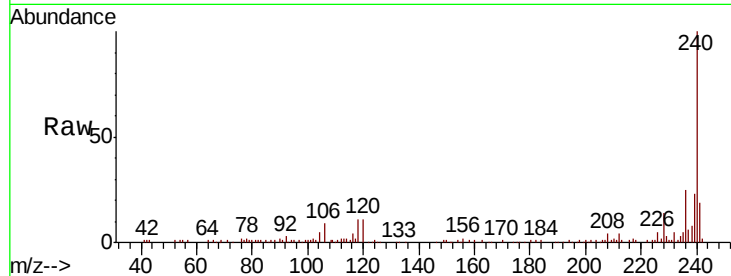
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampled :
TP3-2FT

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.4	12.6
236	25.4	20.0	30.0

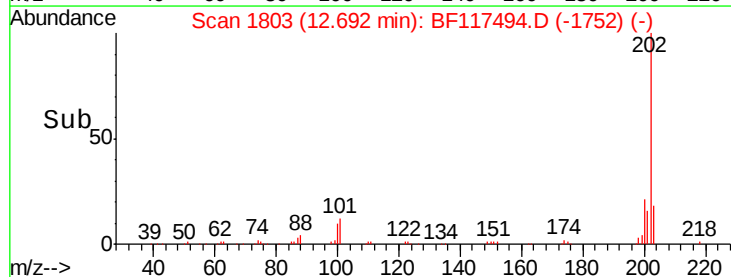
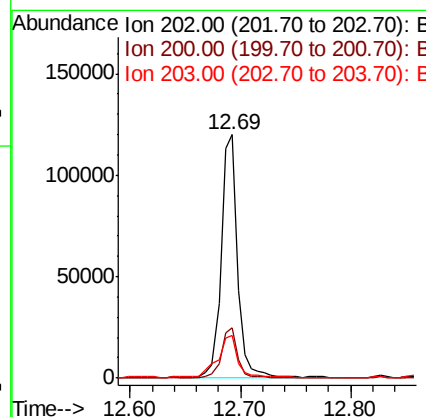
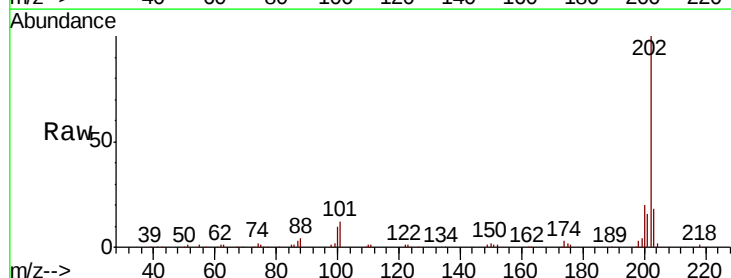
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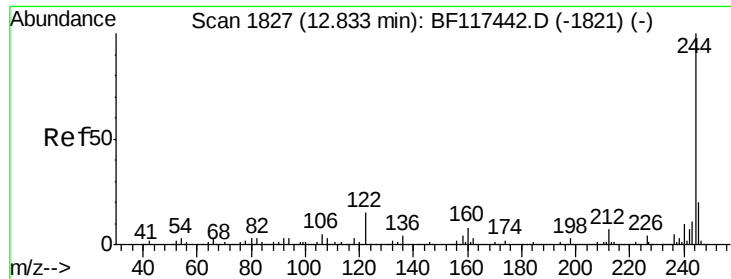
mohammad
10/24/2019 2:10:49 PM



#78
Pyrene
Concen: 17.433 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.2
203	17.7	14.0	21.0





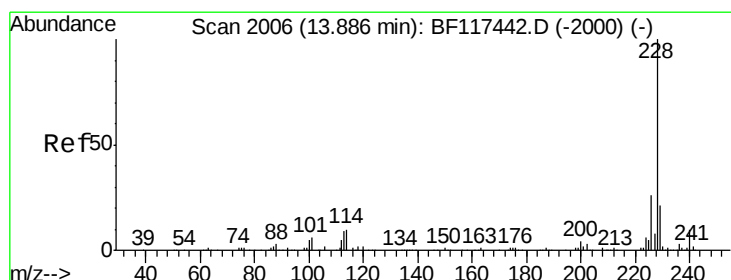
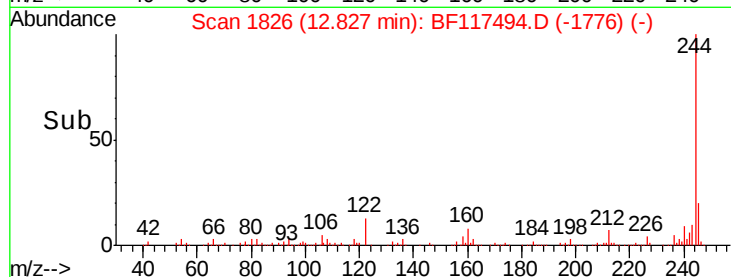
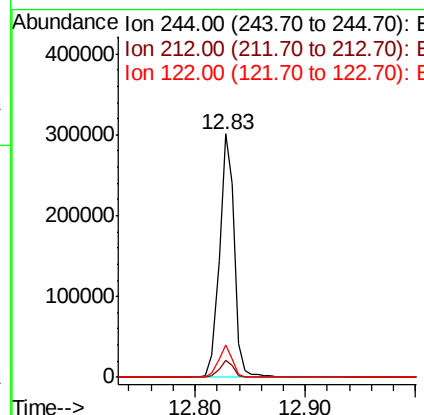
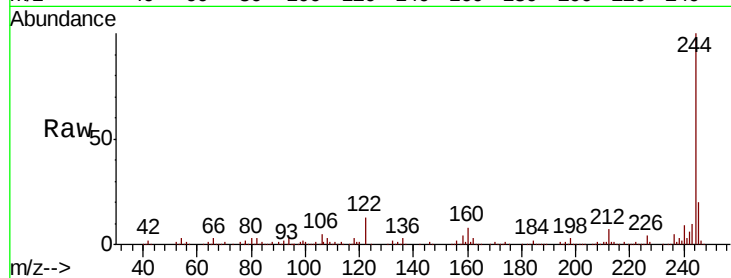
#79
 Terphenyl-d14
 Concen: 53.859 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117494.D
 Acq: 23 Oct 2019 20:17

Instrument :
 BNA_F
 ClientSampleId :
 TP3-2FT

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	13.4	11.8	17.8

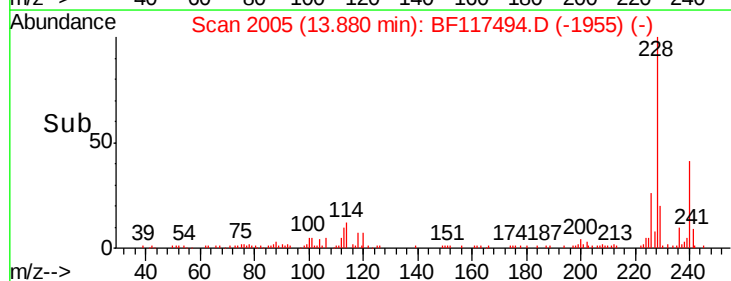
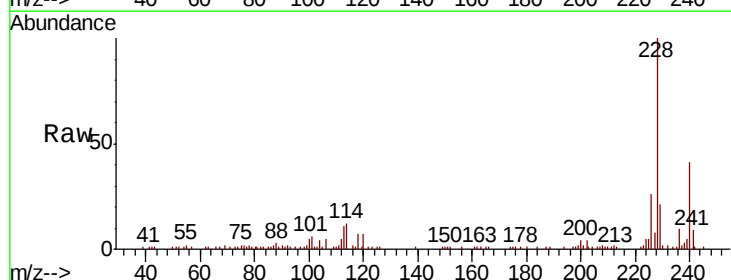
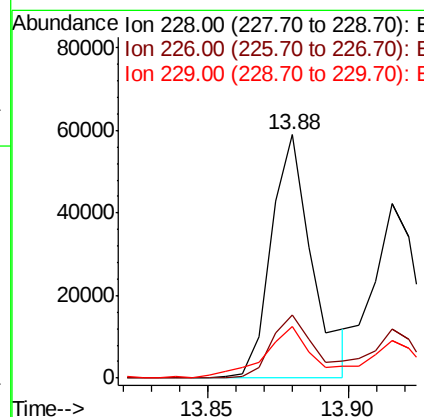
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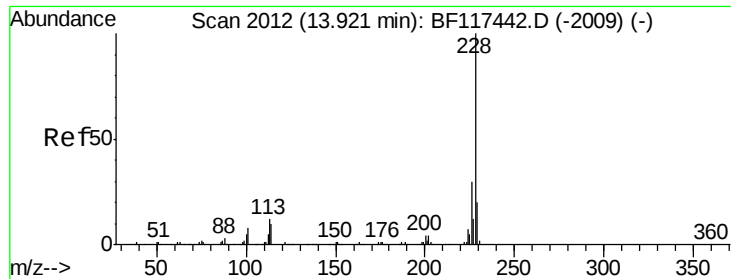
mohammad
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#81
 Benzo(a)anthracene
 Concen: 10.540 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117494.D
 Acq: 23 Oct 2019 20:17

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





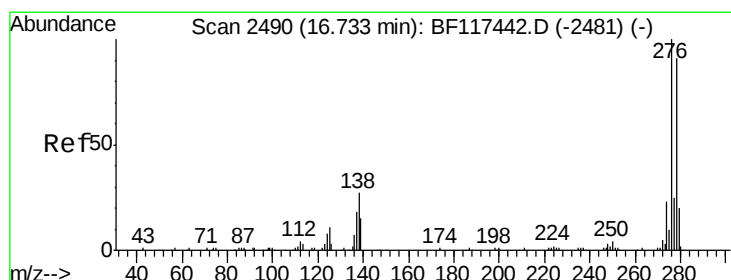
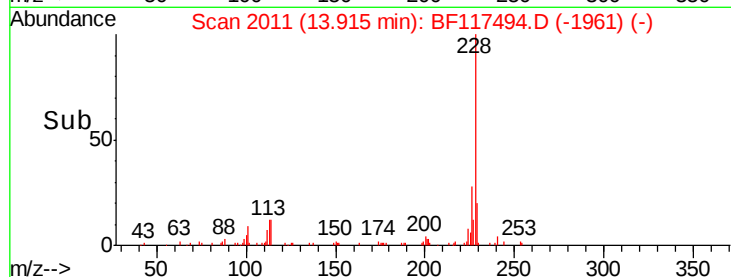
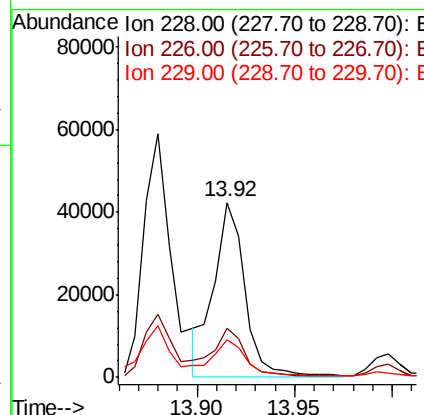
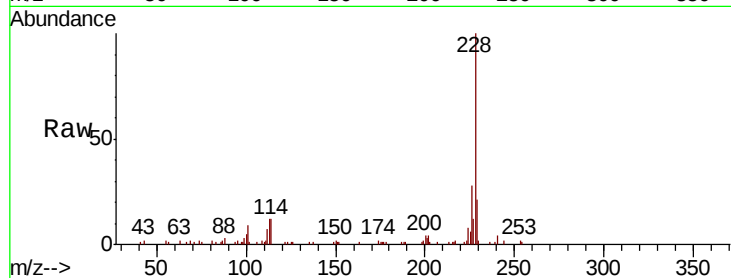
#83
Chrysene
Concen: 8.638 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :
TP3-2FT

Tot Ion:	228	Resp:	47659
Ion Ratio	Lower	Upper	
228	100		
226	28.0	23.9	35.9
229	21.1	15.8	23.6

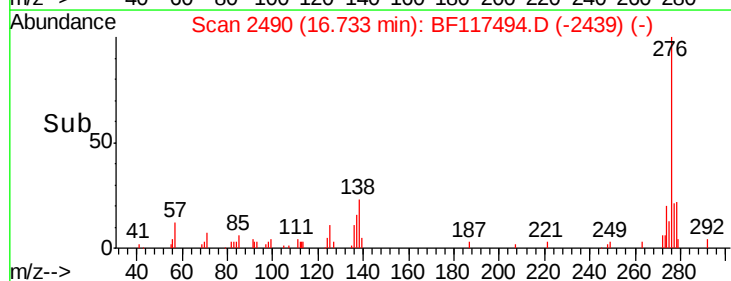
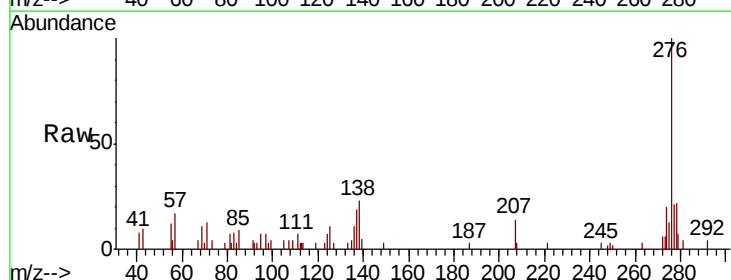
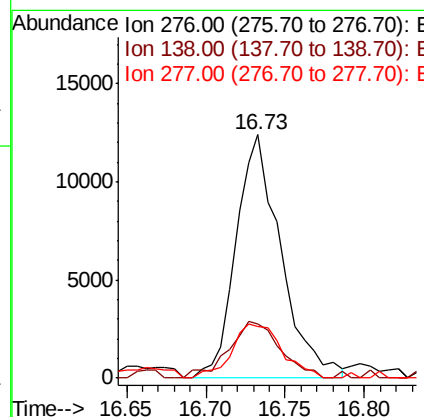
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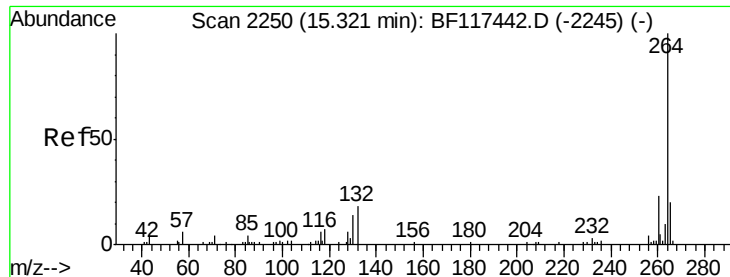
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.912 ng
RT: 16.73 min Scan# 2490
Delta R.T. -0.00 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion:	276	Resp:	24353
Ion Ratio	Lower	Upper	
276	100		
138	26.7	21.8	32.8
277	24.8	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.32 min Scan# 2250

Delta R.T. -0.00 min

Lab File: BF117494.D

Acq: 23 Oct 2019 20:17

Instrument :

BNA_F

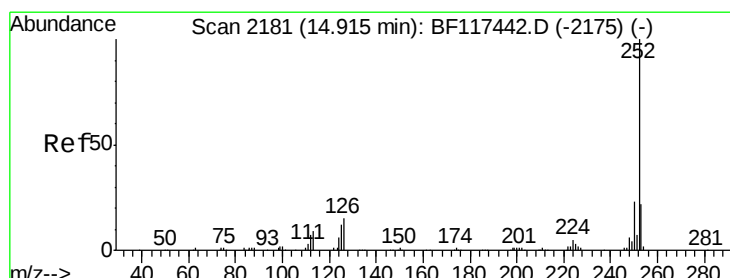
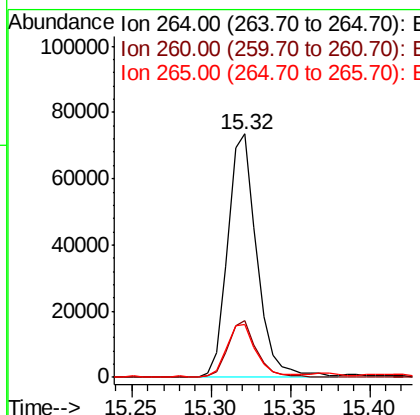
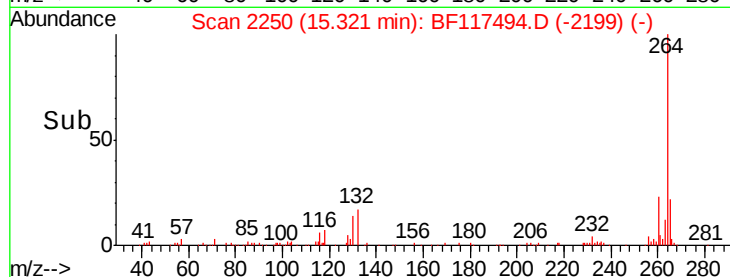
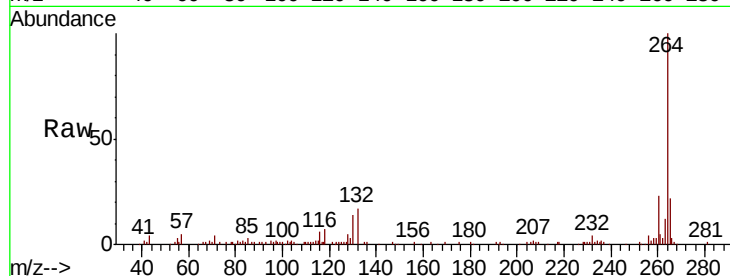
ClientSampleId :

TP3-2FT

Tot Ion:	264	Resp:	94228
Ion Ratio	Lower	Upper	
264	100		
260	23.0	18.4	27.6
265	21.7	16.1	24.1

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 10.195 ng m

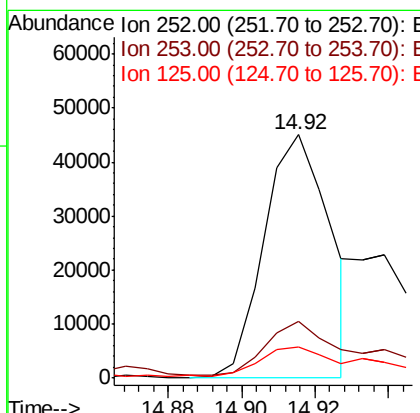
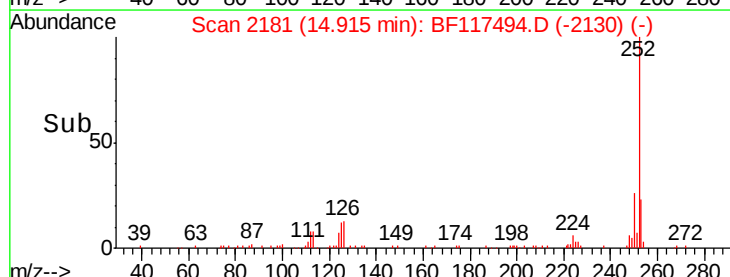
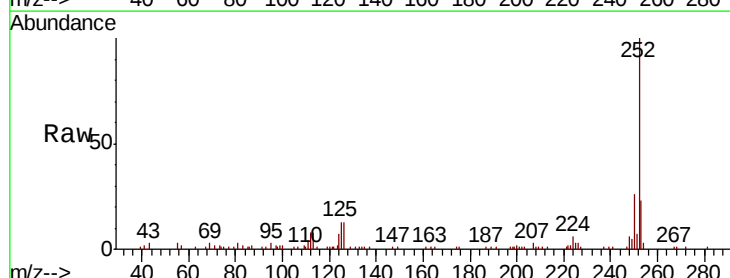
RT: 14.92 min Scan# 2181

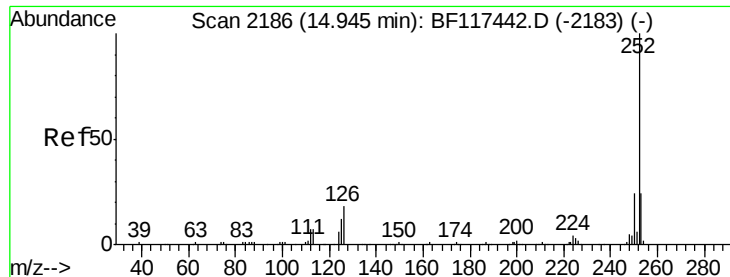
Delta R.T. -0.00 min

Lab File: BF117494.D

Acq: 23 Oct 2019 20:17

Tgt Ion:	252	Resp:	56727
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.6
125	12.8	9.9	14.9





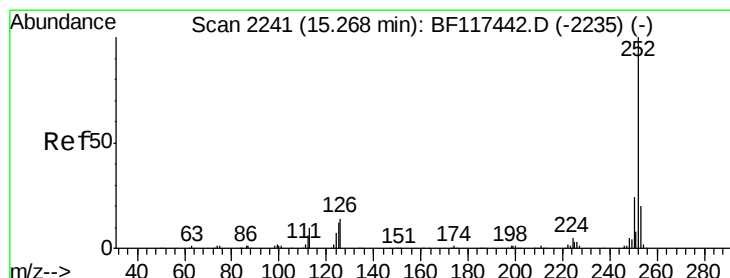
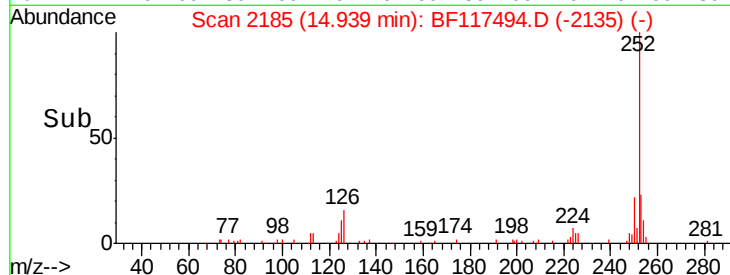
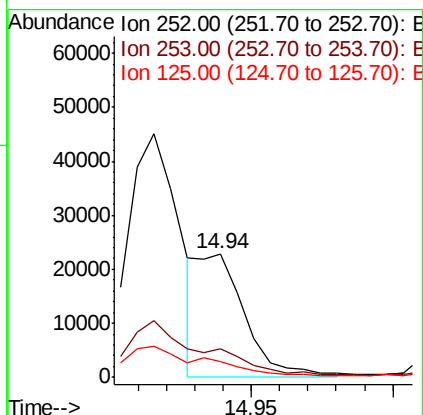
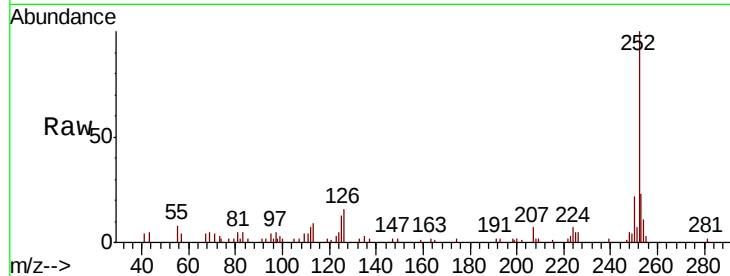
#89
Benzo(k)fluoranthene
Concen: 4.649 ng m
RT: 14.94 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :
TP3-2FT

Tot Ion:252	Resp:	26514
Ion Ratio	Lower	Upper
252	100	
253	22.7	18.0 27.0
125	13.0	8.9 13.3

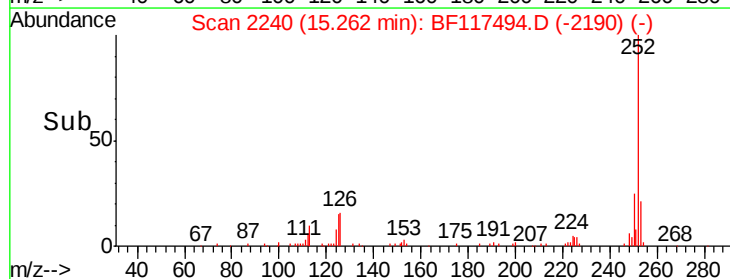
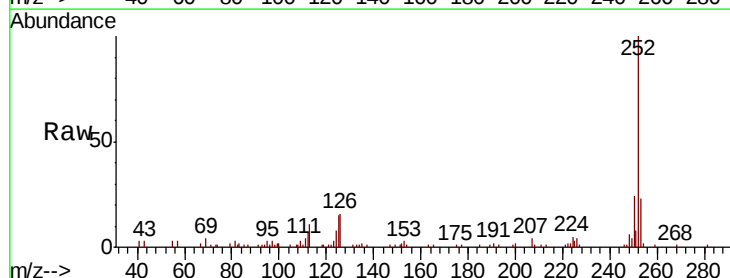
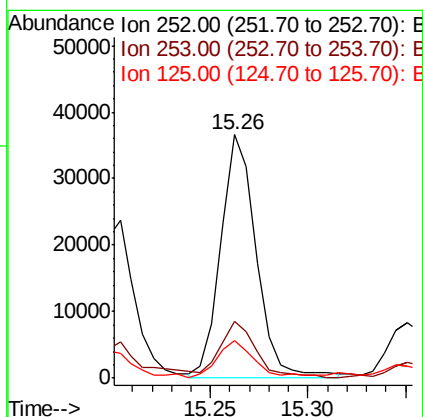
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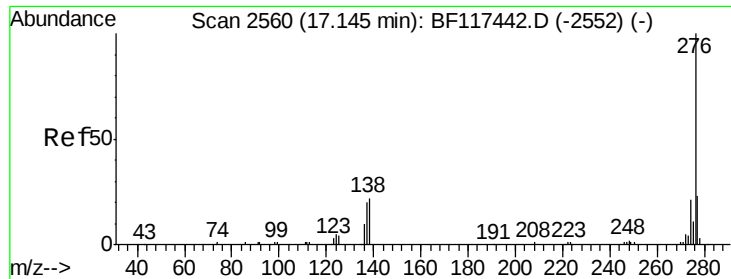
mohammad
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#90
Benzo(a)pyrene
Concen: 9.188 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion:252	Resp:	46484
Ion Ratio	Lower	Upper
252	100	
253	23.2	16.3 24.5
125	15.4	9.2 13.8#





#92
 Benzo(a,h,i)perylene
 Concen: 4.917 ng
 RT: 17.16 min Scan# 2562
 Delta R.T. 0.01 min
 Lab File: BF117494.D
 Acq: 23 Oct 2019 20:17

Instrument :
 BNA_F
 ClientSampleId :
 TP3-2FT

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.4	27.6
138	21.9	17.8	26.6

Manual Integrations
 APPROVED

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