

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
 Data File : BF117224.D
 Acq On : 24 Sep 2019 19:14
 Operator : JU
 Sample : K5008-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6

Manual Integrations
 APPROVED

mohammad
 9/26/2019 8:24:11 AM

Quant Time: Sep 25 07:05:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	25444	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	102866	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	56893	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	89909	20.00	ng	0.00
76) Chrysene-d12	13.97	240	64383	20.00	ng	0.00
87) Perylene-d12	15.43	264	70262	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	157403	96.58	ng	0.00
7) Phenol-d6	6.45	99	217180	103.12	ng	0.00
23) Nitrobenzene-d5	7.37	82	135555	69.24	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	48069	101.09	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	240146	66.00	ng	0.00
79) Terphenyl-d14	12.92	244	222576	64.62	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	6928	2.984	ng	# 80
50) Dimethylphthalate	9.56	163	37203	9.235	ng	# 99
75) Fluoranthene	12.54	202	16156	3.079	ng	99
78) Pyrene	12.77	202	17259	3.195	ng	98
81) Benzo(a)anthracene	13.96	228	15961	3.711	ng	# 91
83) Chrysene	14.00	228	15894	3.788	ng	95
86) Indeno(1,2,3-cd)pyrene	16.87	276	13671	4.467	ng	96
88) Benzo(b)fluoranthene	15.01	252	28511m	6.699	ng	
89) Benzo(k)fluoranthene	15.03	252	8540m	2.118	ng	
90) Benzo(a)pyrene	15.37	252	19292	5.166	ng	94
92) Benzo(a,h,i)perylene	17.31	276	11939	4.027	ng	97

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

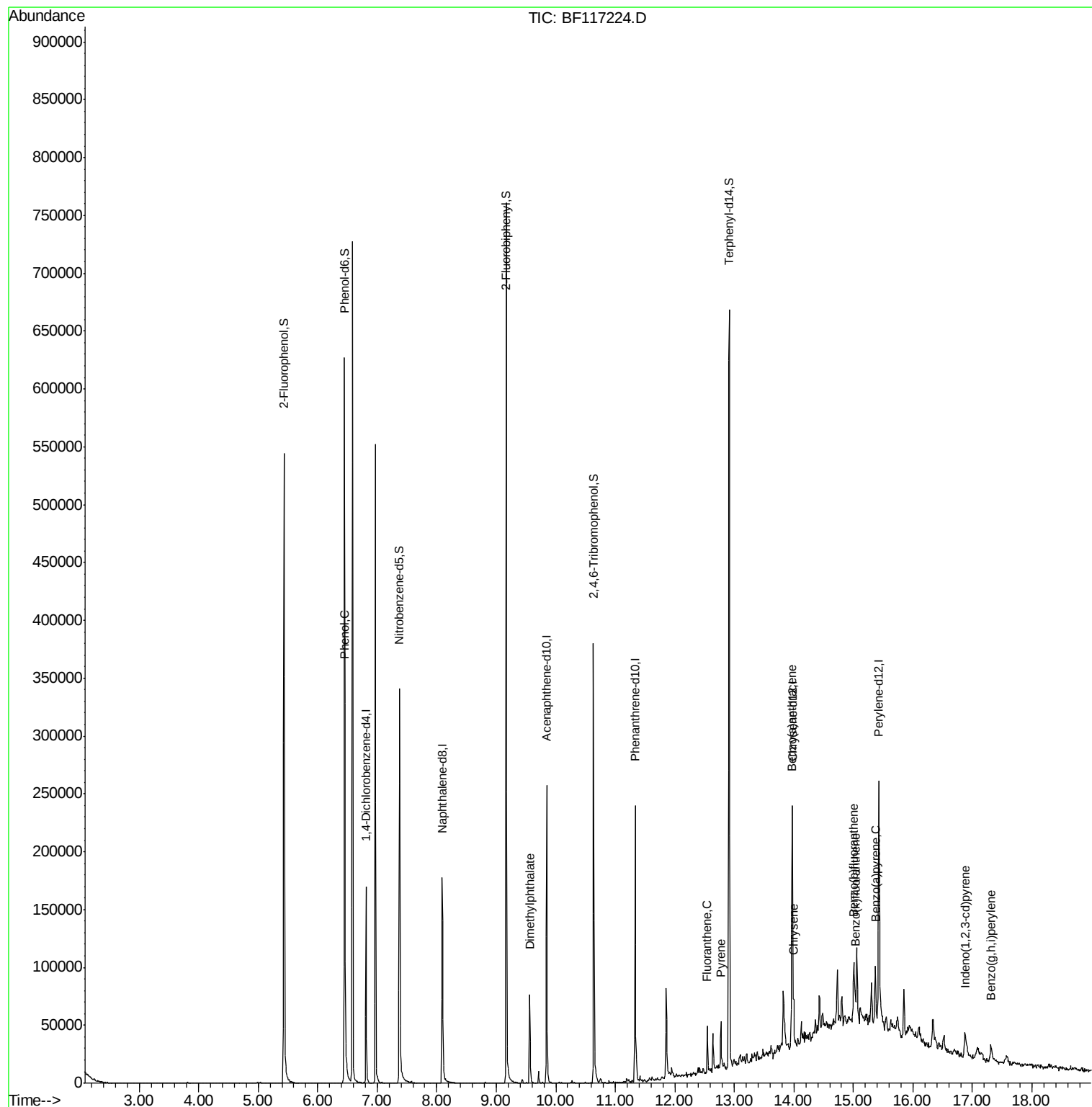
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
Data File : BF117224.D
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#1

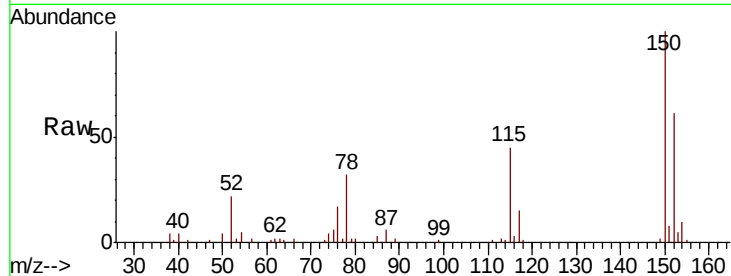
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117224.D
Acq: 24 Sep 2019 19:14

Instrument :
BNA_F
ClientSampleId :
SB-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.8	127.5	191.3
115	74.4	55.0	82.4

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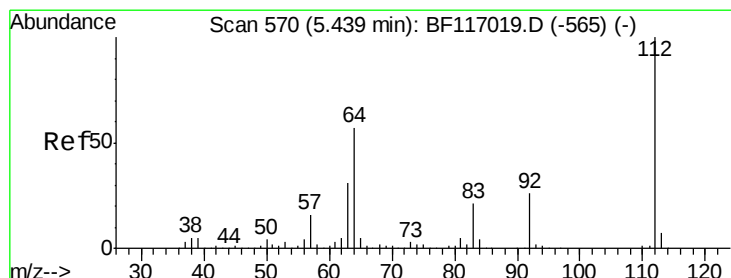
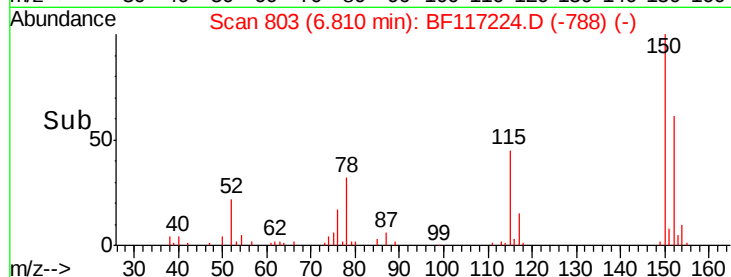
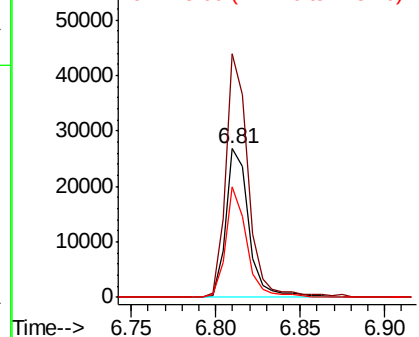


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

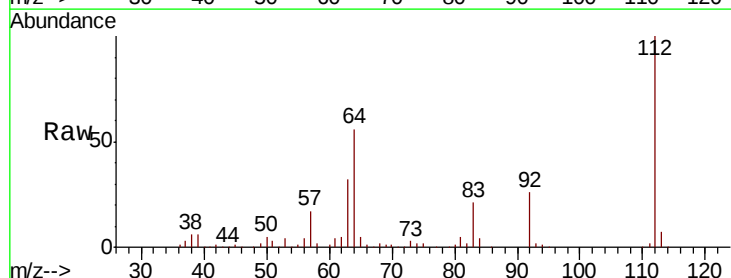
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.583 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117224.D
Acq: 24 Sep 2019 19:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	45.7	68.5
63	31.7	24.9	37.3

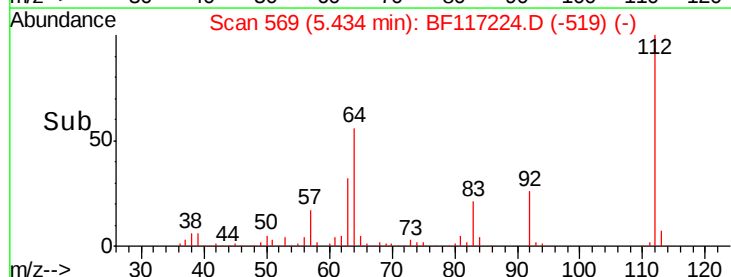
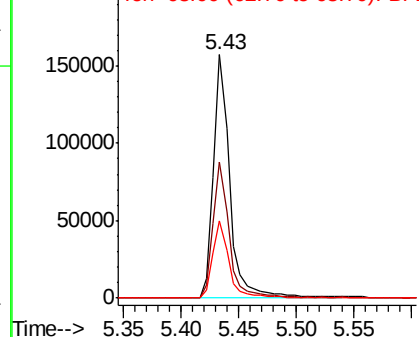


Abundance

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: 103.115 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117224.D

Acq: 24 Sep 2019 19:14

Instrument :

BNA_F

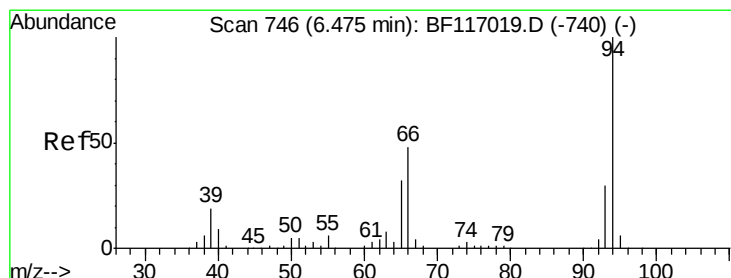
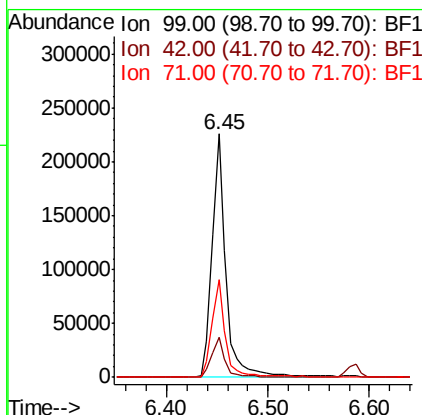
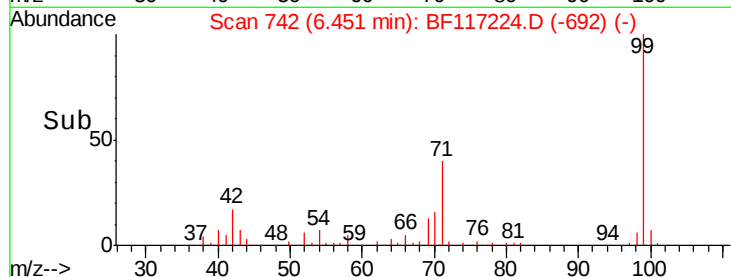
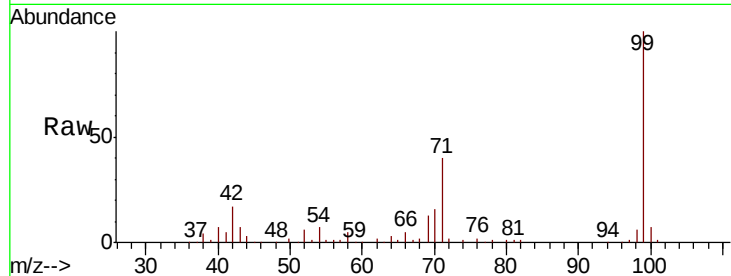
ClientSampleId :

SB-6

Tot Ion:	99	Resp:	217180
Ion	Ratio	Lower	Upper
99	100		
42	16.7	12.2	18.2
71	40.3	29.8	44.8

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#10

Phenol

Concen: 2.984 ng

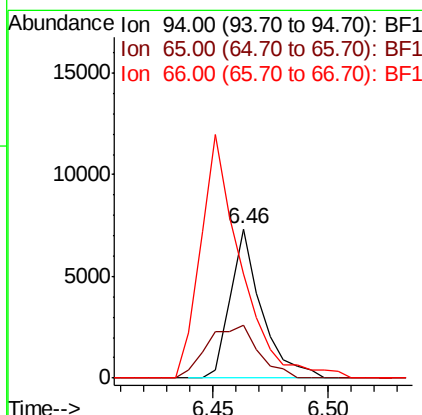
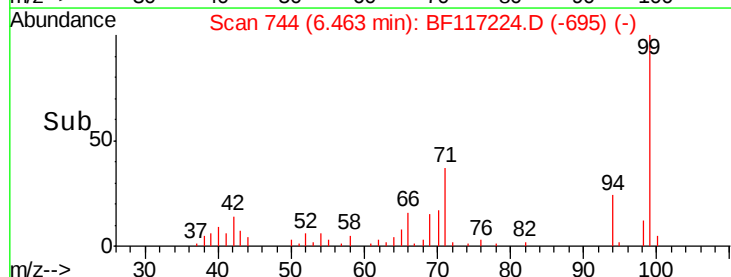
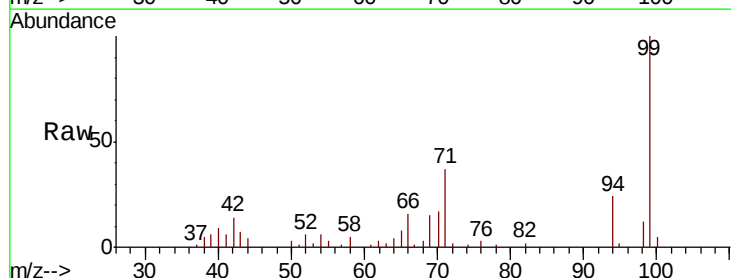
RT: 6.46 min Scan# 744

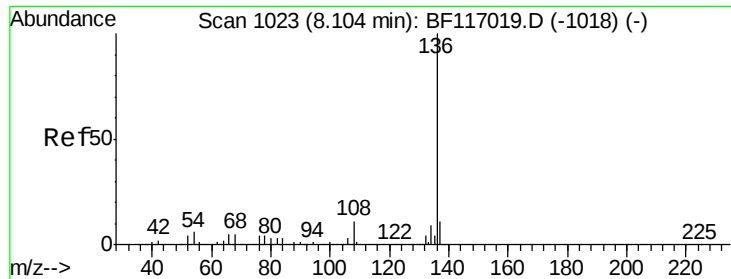
Delta R.T. -0.01 min

Lab File: BF117224.D

Acq: 24 Sep 2019 19:14

Tgt Ion:	94	Resp:	6928
Ion	Ratio	Lower	Upper
94	100		
65	35.2	12.5	52.5
66	69.4	28.9	68.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF117224.D

Acq: 24 Sep 2019 19:14

Instrument :

BNA_F

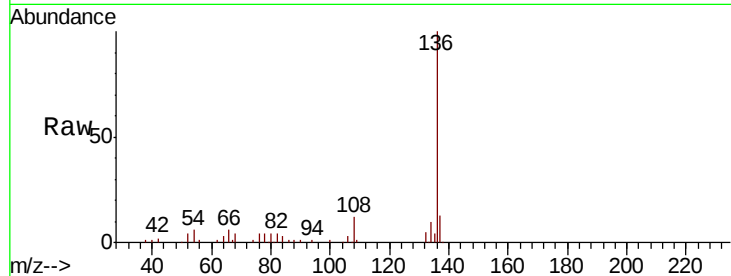
ClientSampled :

SB-6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		102866		
137	13.0		9.0	13.4	
54	6.5		4.5	6.7	
68	4.5		4.0	6.0	

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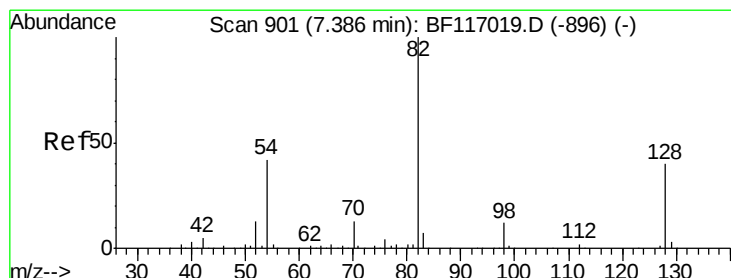
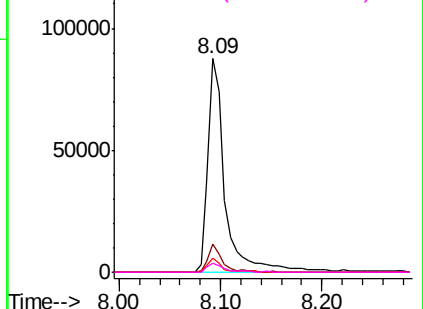
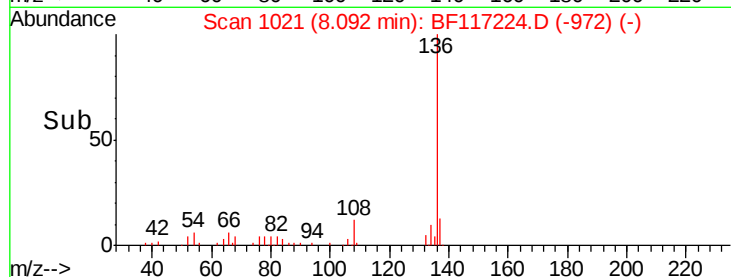


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.239 ng

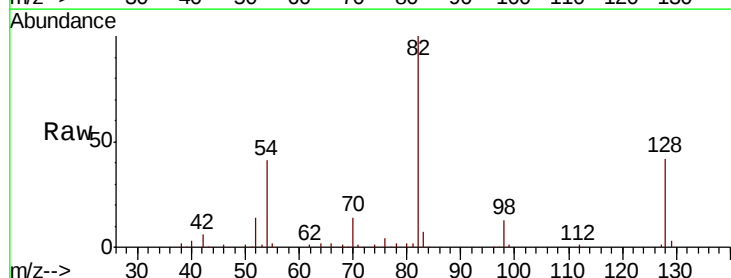
RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF117224.D

Acq: 24 Sep 2019 19:14

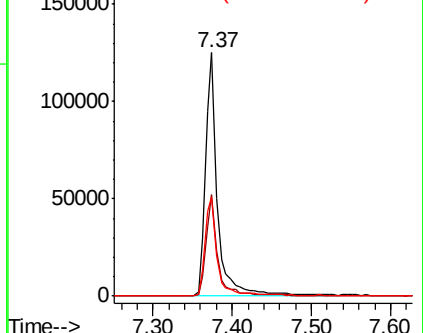
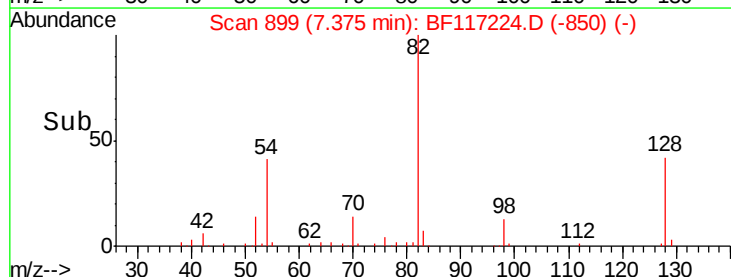
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		135555		
128	41.9		32.3	48.5	
54	40.6		33.3	49.9	

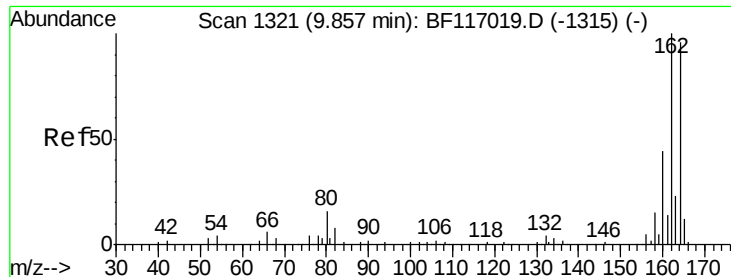


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF117224.D

Acq: 24 Sep 2019 19:14

Instrument :

BNA_F

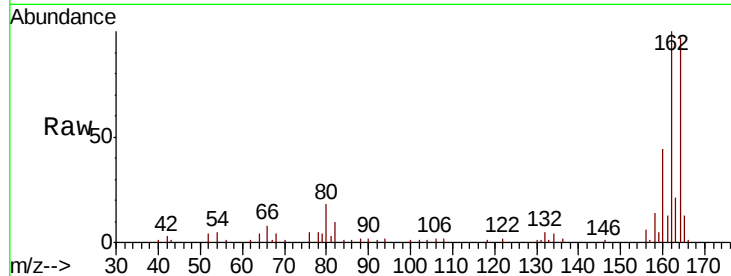
ClientSampleId :

SB-6

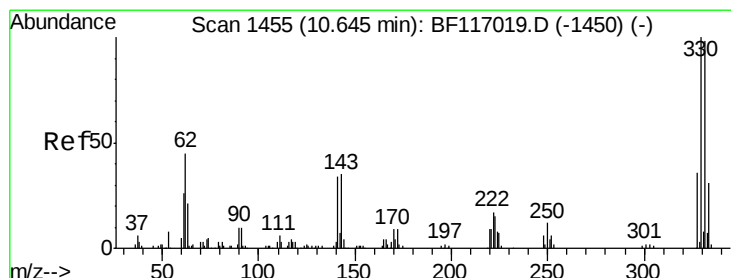
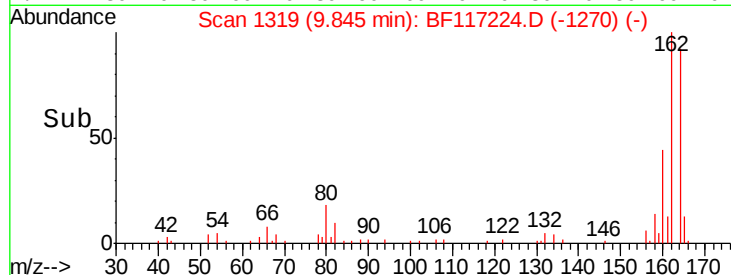
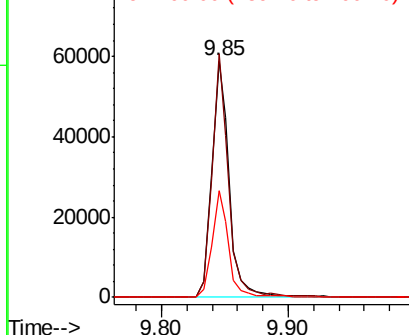
Tot Ion:	164	Resp:	56893
Ion Ratio	Lower	Upper	
164	100		
162	103.0	83.4	125.2
160	45.2	36.4	54.6

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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: 101.093 ng

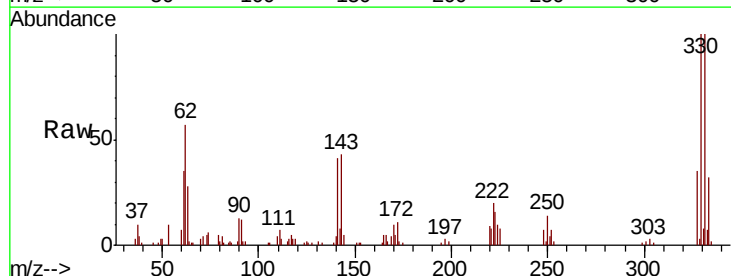
RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

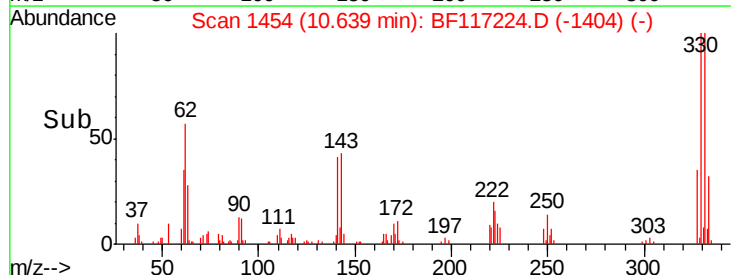
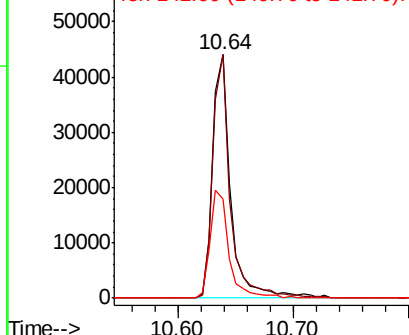
Lab File: BF117224.D

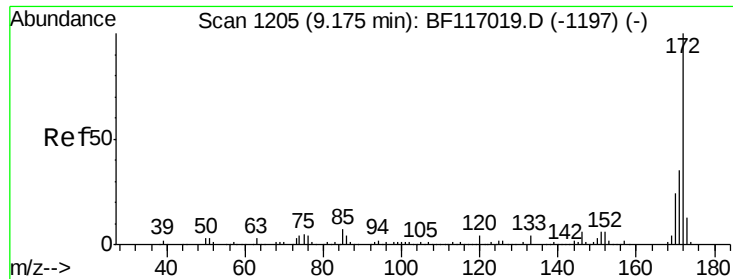
Acq: 24 Sep 2019 19:14

Tgt Ion:	330	Resp:	48069
Ion Ratio	Lower	Upper	
330	100		
332	96.5	78.0	117.0
141	45.6	35.8	53.6



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





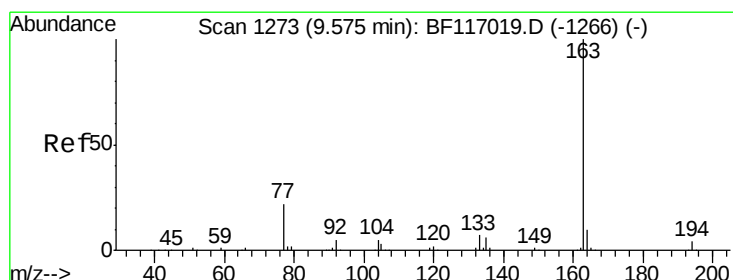
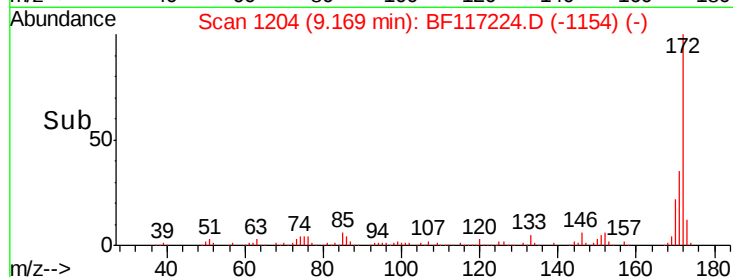
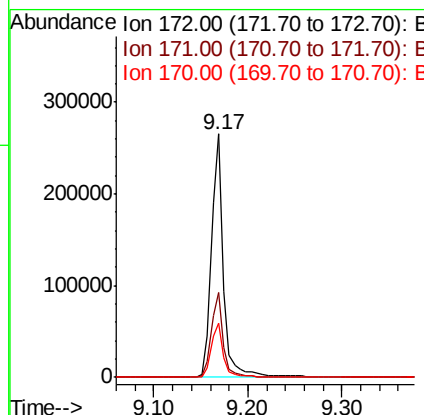
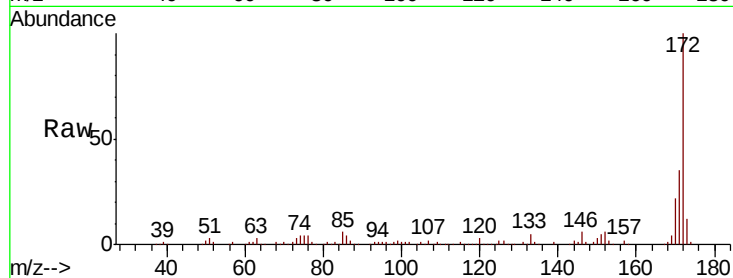
#45
2-Fluorobiphenyl
Concen: 65.999 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF117224.D
Acq: 24 Sep 2019 19:14

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
172	100	240146		
171	34.6		28.2	42.2
170	22.5		18.9	28.3

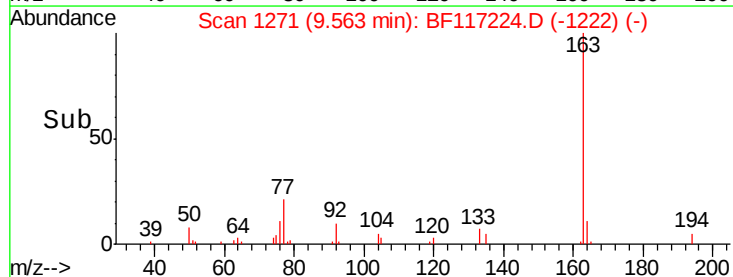
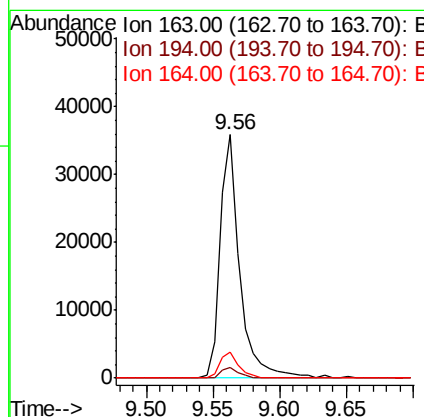
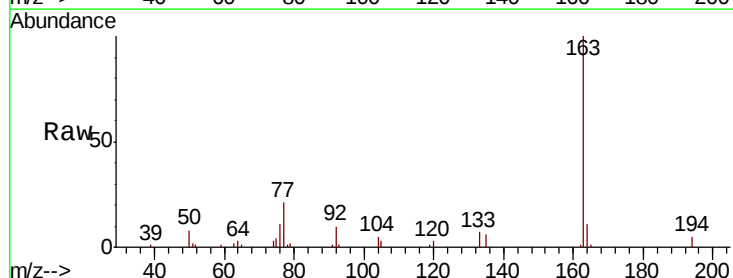
Manual Integrations
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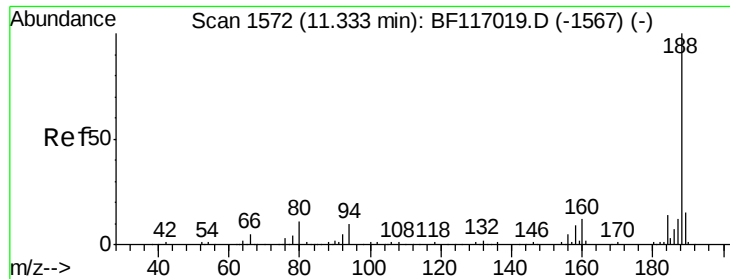
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#50
Dimethylphthalate
Concen: 9.235 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117224.D
Acq: 24 Sep 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	37203		
194	4.5		2.9	4.3#
164	10.5		8.2	12.4





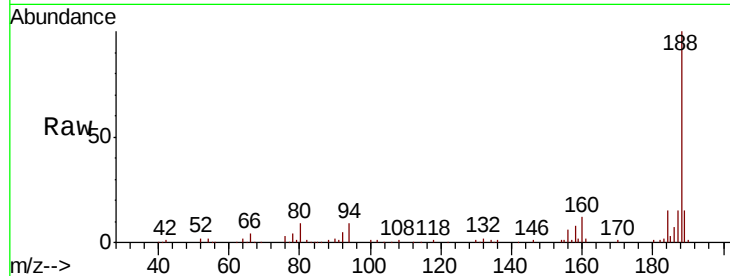
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF117224.D
Acq: 24 Sep 2019 19:14

Instrument :
BNA_F
ClientSampleId :
SB-6

Tot Ion	Ratio	Resp	Lower	Upper
188	100	89909		
94	8.9		8.2	12.2
80	8.7		9.0	13.6

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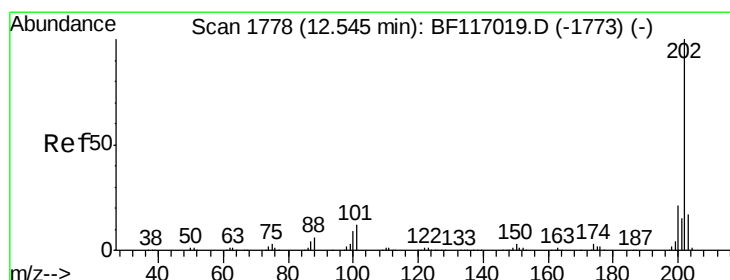
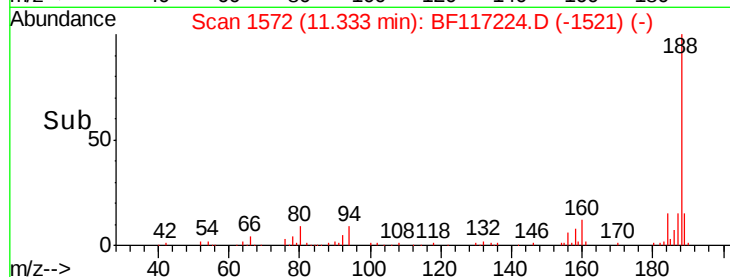
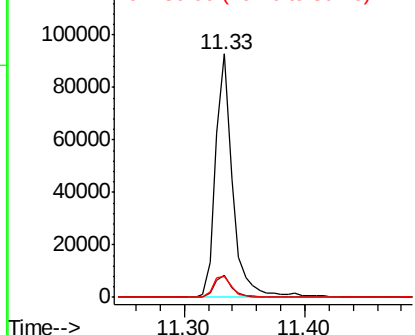


Abundance

Ion 188.00 (187.70 to 188.70): E

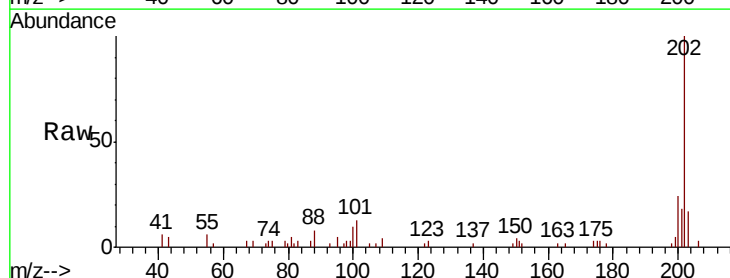
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#75
Fluoranthene
Concen: 3.079 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.00 min
Lab File: BF117224.D
Acq: 24 Sep 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	16156		
101	12.6		0.0	32.3
203	17.4		0.0	37.1

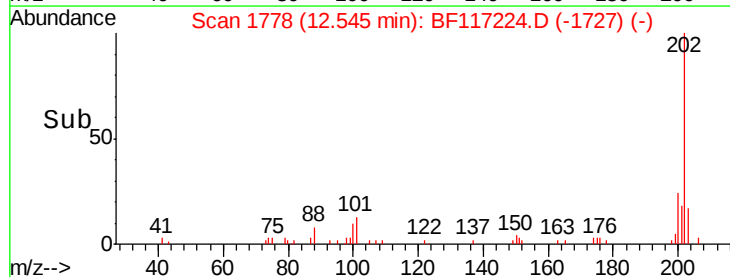
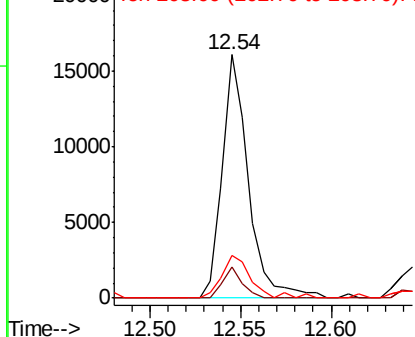


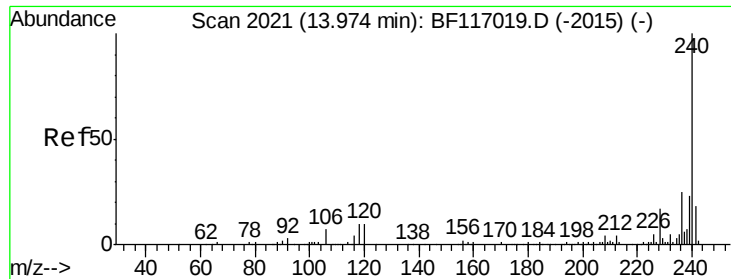
Abundance

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





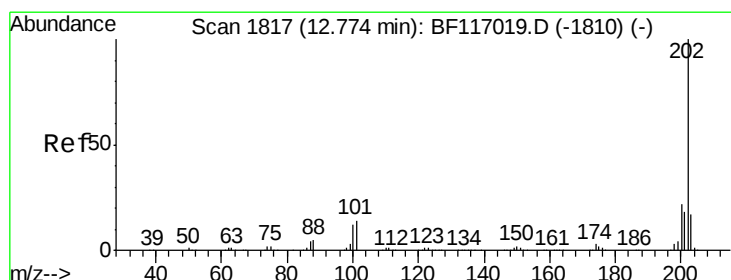
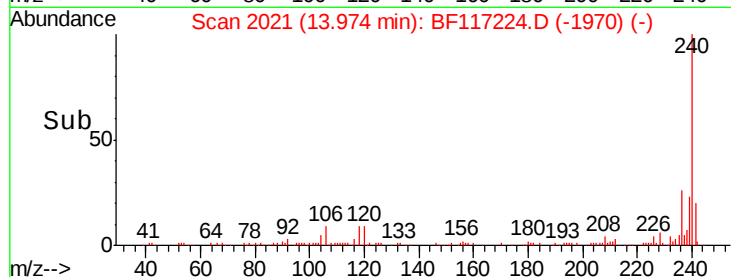
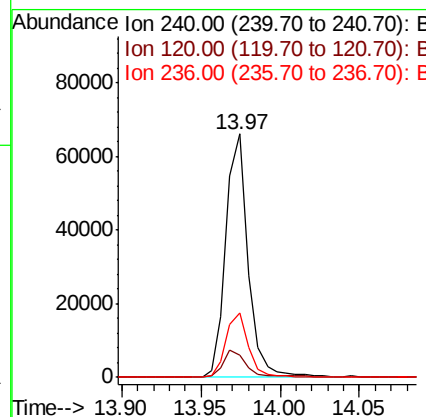
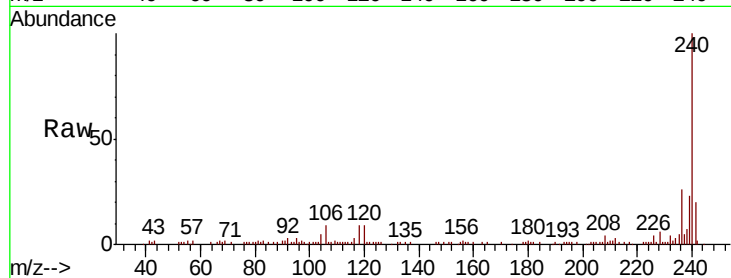
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117224.D
Acq: 24 Sep 2019 19:14

Instrument :
BNA_F
ClientSampleId :
SB-6

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.2	8.3	12.5
236	26.4	20.3	30.5

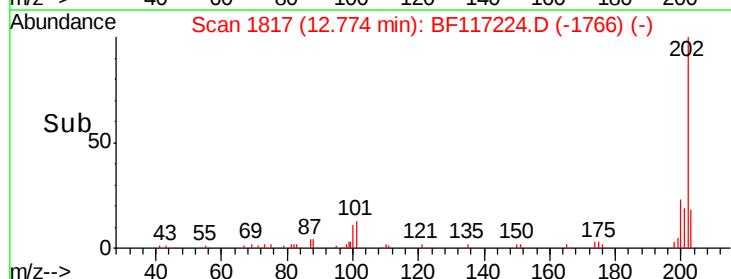
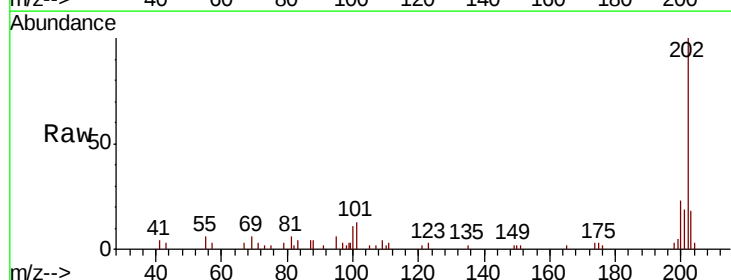
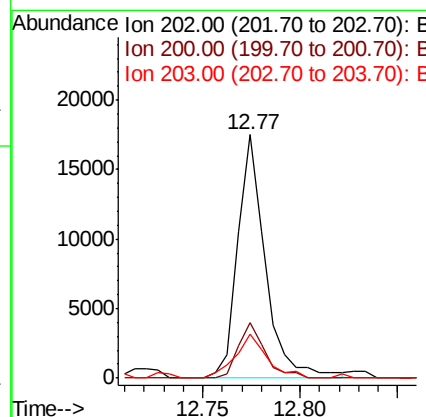
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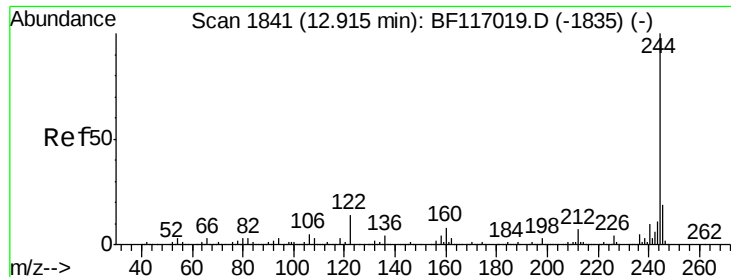
mohammad
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#78
Pyrene
Concen: 3.195 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BF117224.D
Acq: 24 Sep 2019 19:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.9	17.2	25.8
203	17.9	14.0	21.0





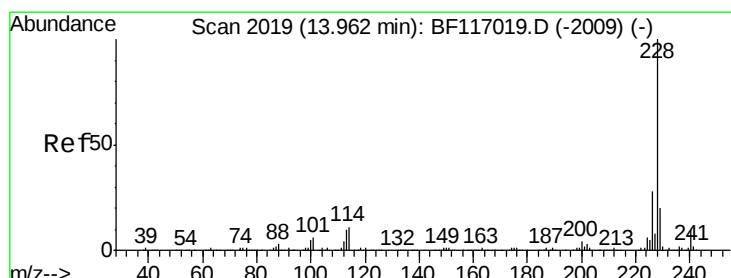
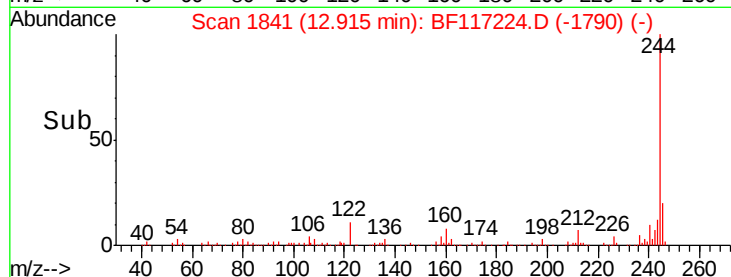
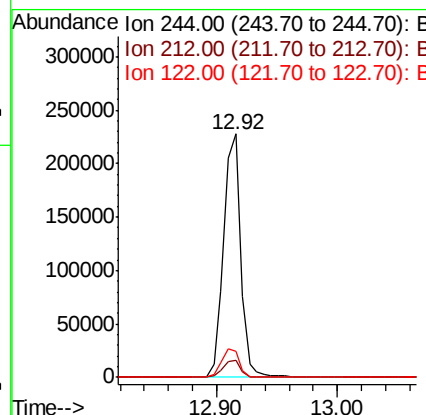
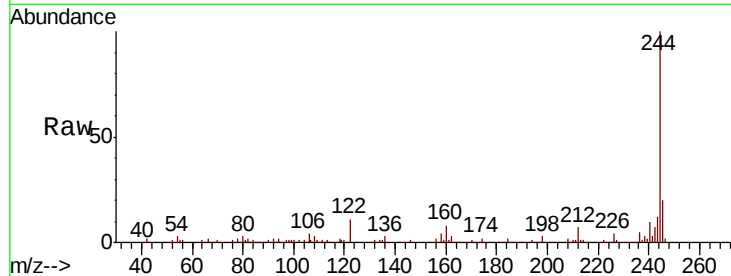
#79
 Terphenyl-d14
 Concen: 64.620 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF117224.D
 Acq: 24 Sep 2019 19:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-6

Tot Ion	Ratio	Resp	Lower	Upper
244	100	222576		
212	7.1		5.8	8.8
122	10.9		11.3	16.9#

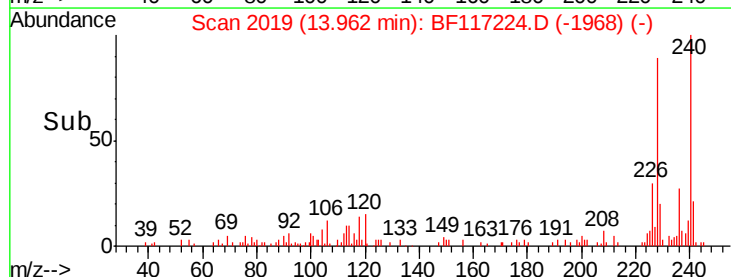
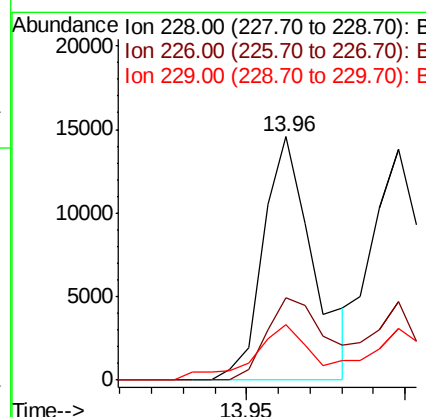
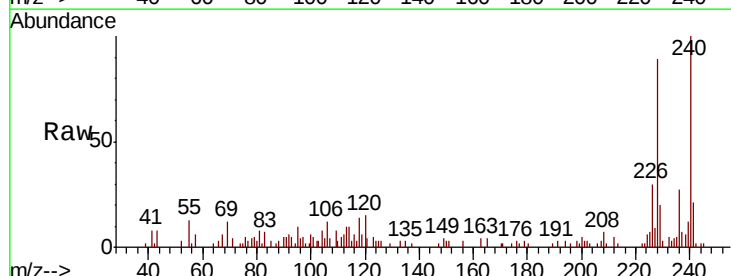
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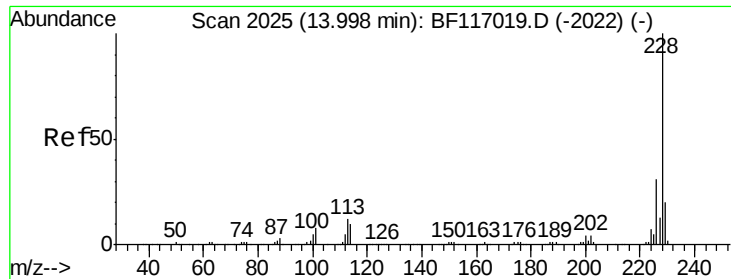
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#81
 Benzo(a)anthracene
 Concen: 3.711 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BF117224.D
 Acq: 24 Sep 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	15961		
226	33.6		22.3	33.5#
229	22.7		15.9	23.9





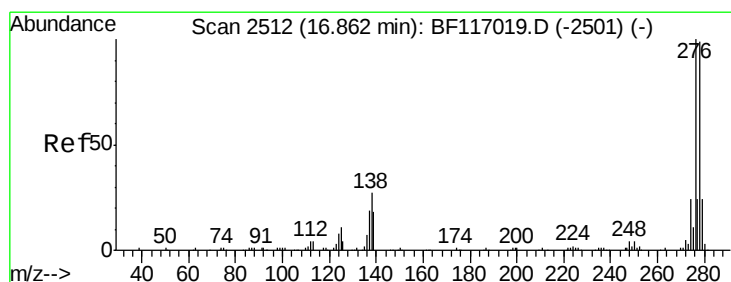
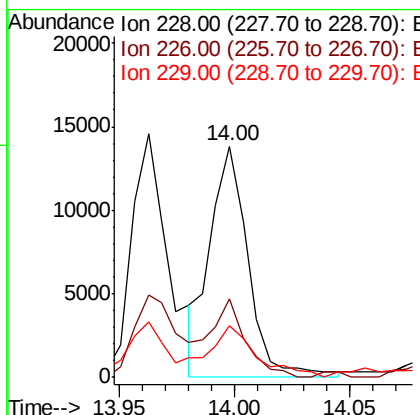
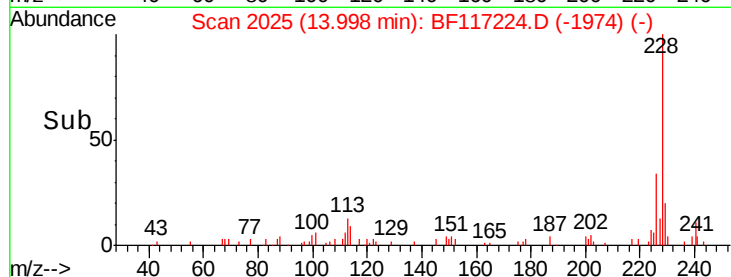
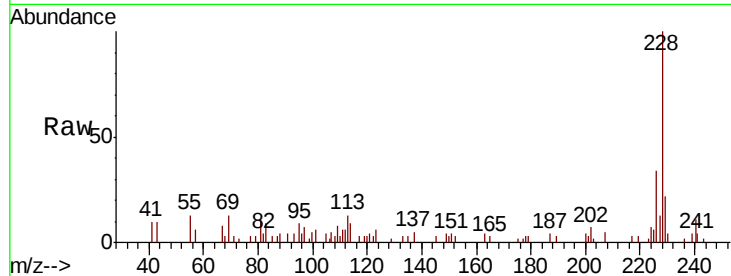
#83
Chrysene
Concen: 3.788 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF117224.D
Acq: 24 Sep 2019 19:14

Instrument :
BNA_F
ClientSampled :
SB-6

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.8	24.8	37.2
229	22.2	15.8	23.8

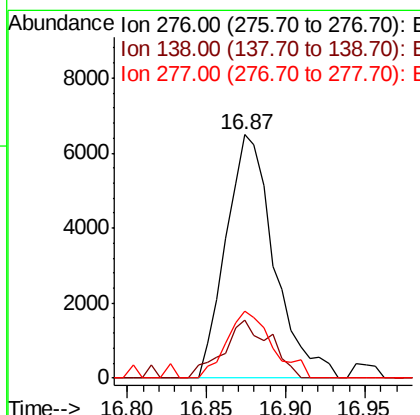
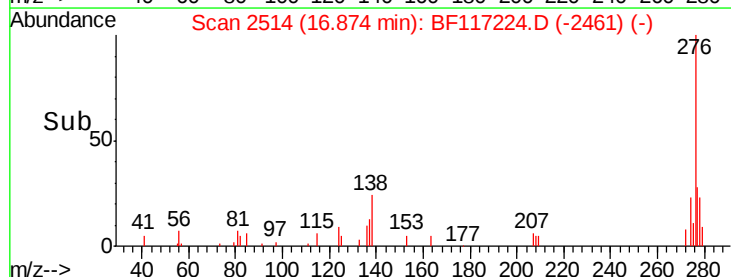
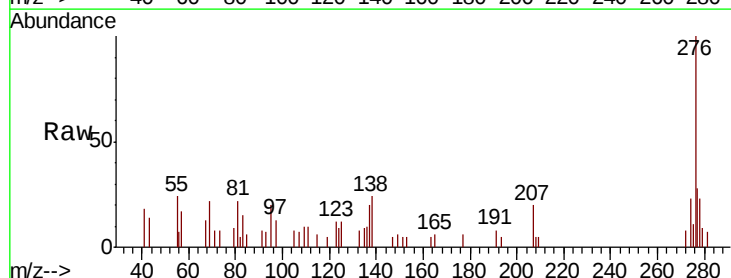
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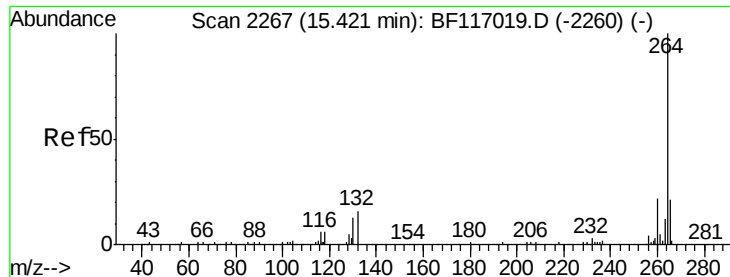
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.467 ng
RT: 16.87 min Scan# 2514
Delta R.T. 0.01 min
Lab File: BF117224.D
Acq: 24 Sep 2019 19:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.4	20.7	31.1
277	26.0	19.8	29.8





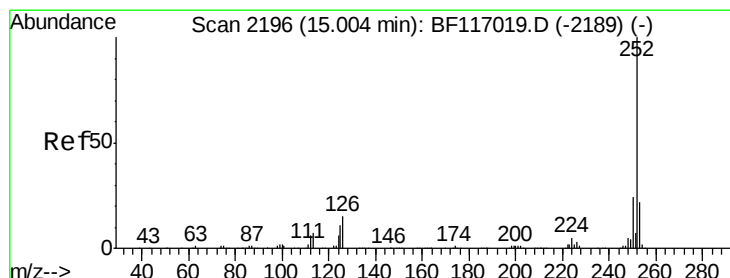
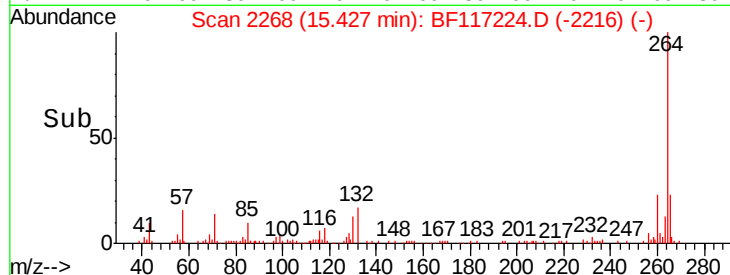
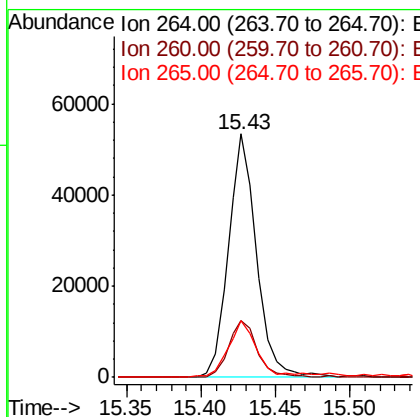
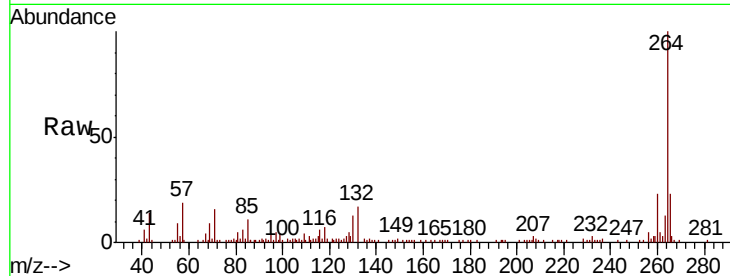
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF117224.D
Acq: 24 Sep 2019 19:14

Instrument :
BNA_F
ClientSampleId :
SB-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.6	26.4
265	23.2	16.6	24.8

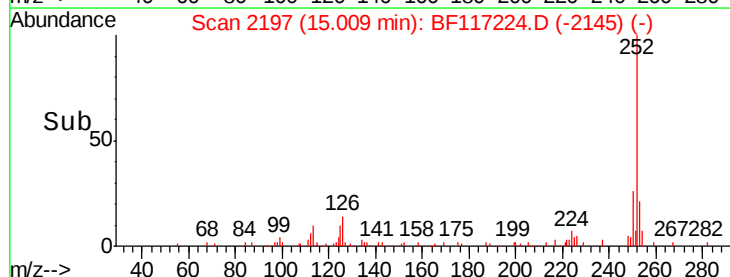
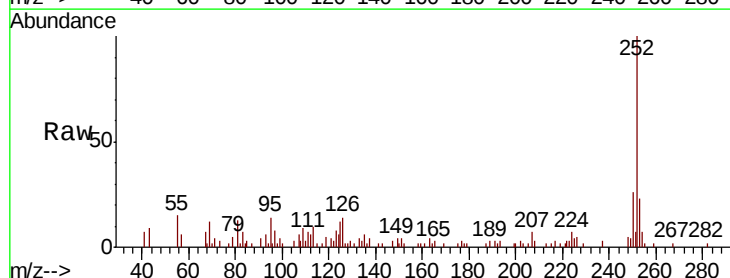
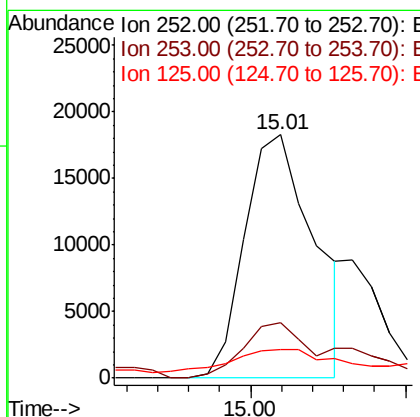
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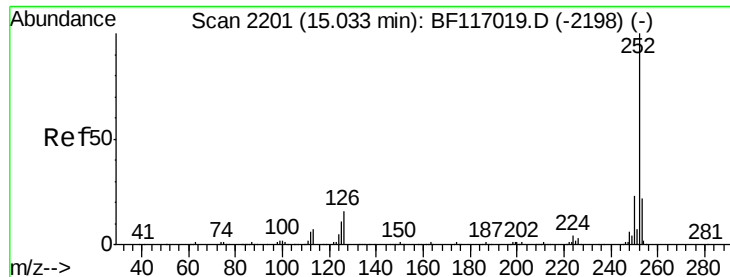
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#88
Benzo(b)fluoranthene
Concen: 6.699 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF117224.D
Acq: 24 Sep 2019 19:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.6	26.4
125	12.0	8.6	12.8





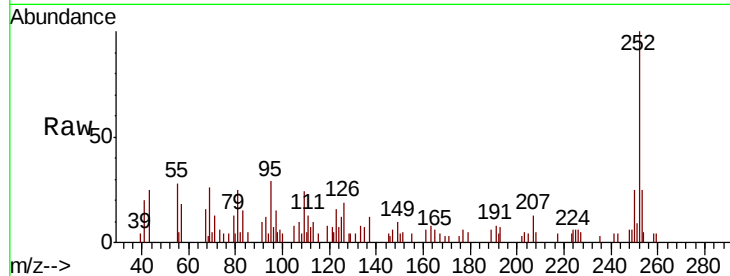
#89
Benzo(k)fluoranthene
Concen: 2.118 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF117224.D
Acq: 24 Sep 2019 19:14

Instrument :
BNA_F
ClientSampled :
SB-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.4	26.2
125	11.9	8.8	13.2

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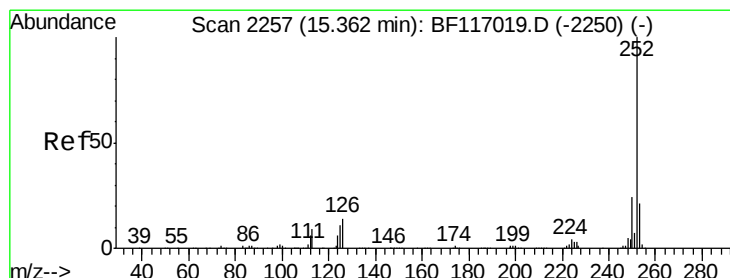
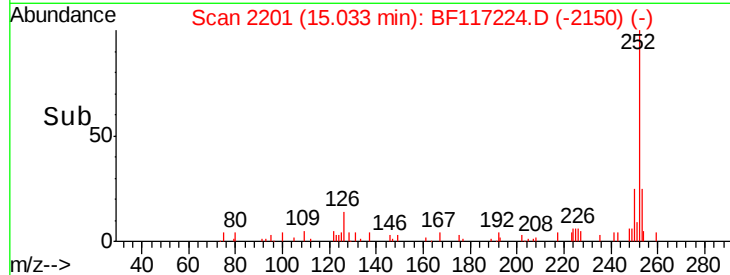
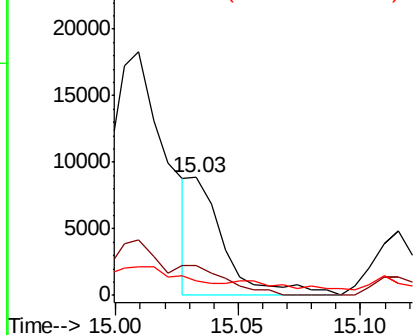


Abundance

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: 5.166 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF117224.D
Acq: 24 Sep 2019 19:14

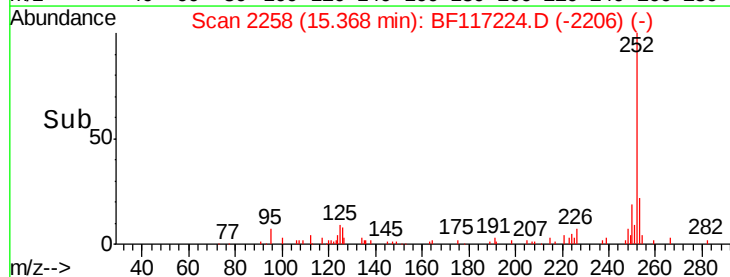
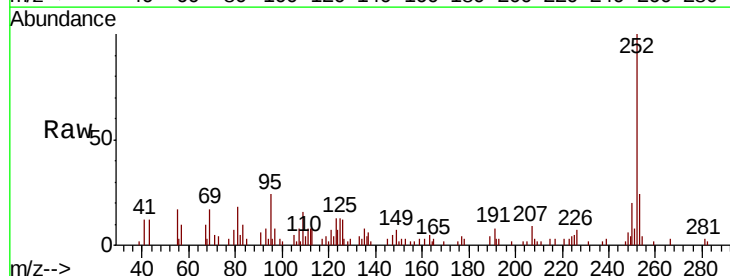
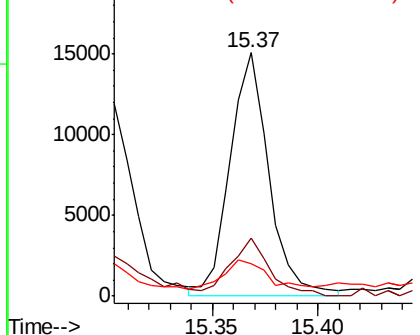
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	16.6	25.0
125	13.3	8.9	13.3

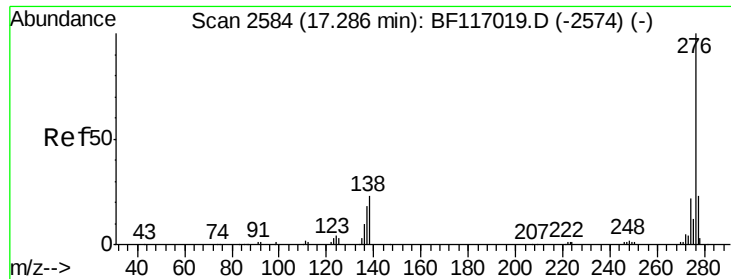
Abundance

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





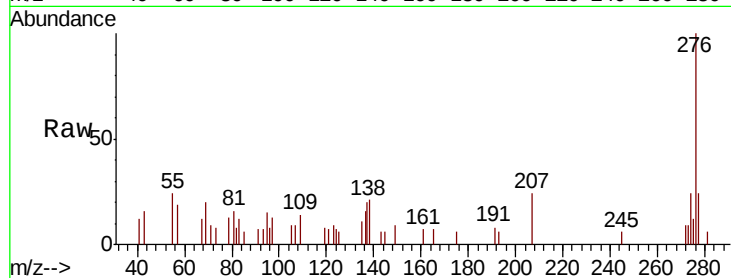
#92
 Benzo(a,h,i)perylene
 Concen: 4.027 ng
 RT: 17.31 min Scan# 2588
 Delta R.T. 0.02 min
 Lab File: BF117224.D
 Acq: 24 Sep 2019 19:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-6

Tot Ion:	276	Resp:	11939
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.6	27.8
138	20.6	18.0	27.0

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

