

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
 Data File : BF115891.D
 Acq On : 1 Aug 2019 2:31
 Operator : HP/JU
 Sample : K4049-06 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-6

Manual Integrations
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mohammad
 8/1/2019 5:07:29 PM

Quant Time: Aug 01 08:59:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	124429	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	465017	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	222788	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	332199	20.00	ng	0.00
76) Chrysene-d12	14.03	240	284841	20.00	ng	0.00
87) Perylene-d12	15.50	264	262951	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	168521	22.67	ng	0.00
7) Phenol-d6	6.48	99	221724	23.64	ng	0.00
23) Nitrobenzene-d5	7.41	82	117031	14.53	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	40442	18.72	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	236129	19.85	ng	0.00
79) Terphenyl-d14	12.96	244	199126	14.73	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.60	163	47730	3.146	ng	99
71) Phenanthrene	11.40	178	189287	11.146	ng	99
72) Anthracene	11.46	178	41406	2.409	ng	98
75) Fluoranthene	12.60	202	332780	18.717	ng	99
78) Pyrene	12.83	202	339218	15.798	ng	99
81) Benzo(a)anthracene	14.02	228	177119	9.729	ng	97
83) Chrysene	14.05	228	160894	9.103	ng	98
84) Bis(2-ethylhexyl)phthalate	14.00	149	60262	5.106	ng	# 99
86) Indeno(1,2,3-cd)pyrene	16.98	276	64527	4.347	ng	97
88) Benzo(b)fluoranthene	15.07	252	196719m	12.939	ng	
89) Benzo(k)fluoranthene	15.10	252	46446m	3.136	ng	
90) Benzo(a)pyrene	15.44	252	121322	8.926	ng	# 91
92) Benzo(a,h,i)perylene	17.43	276	61207	5.297	ng	95

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

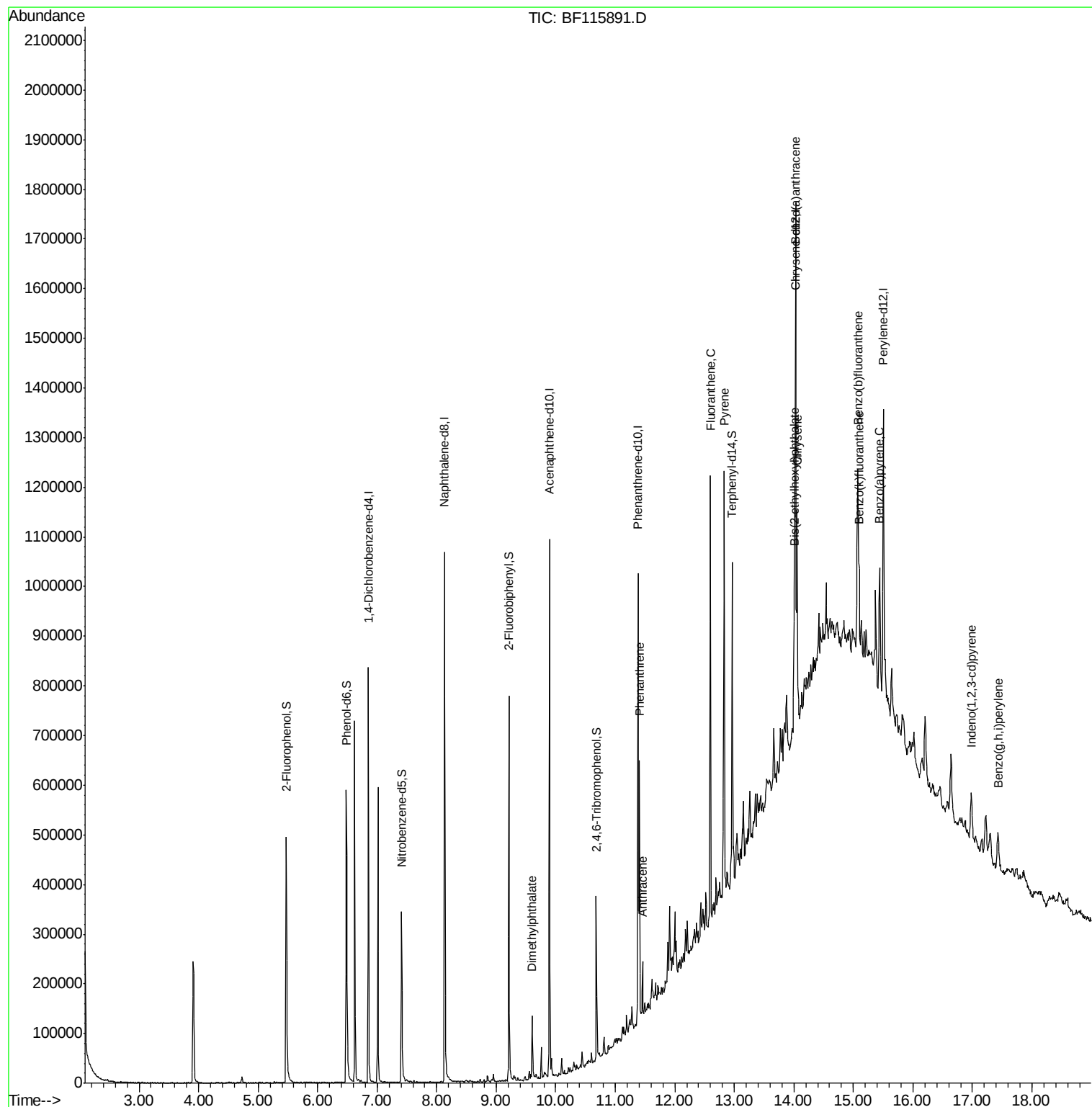
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115891.D
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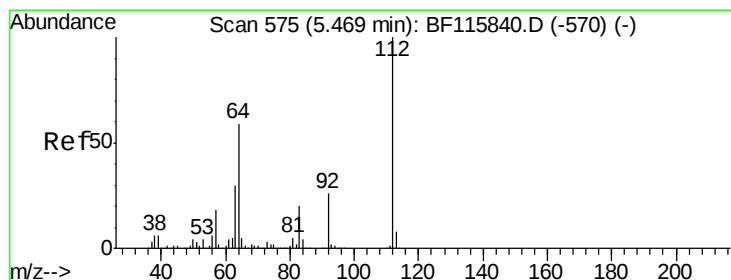
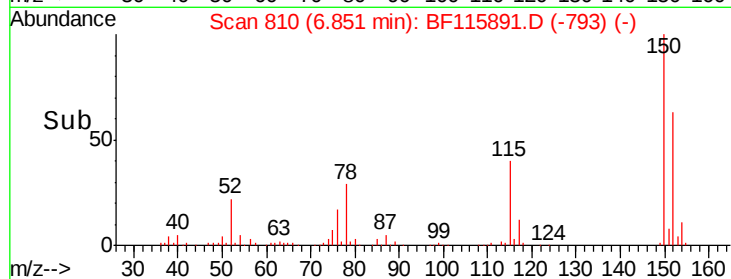
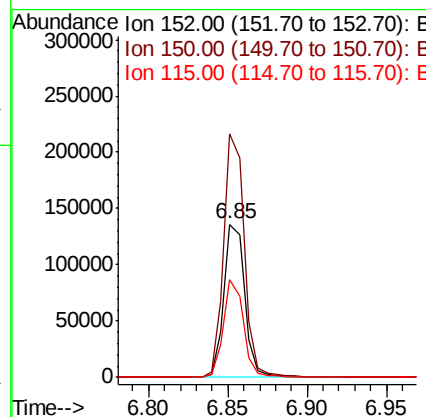
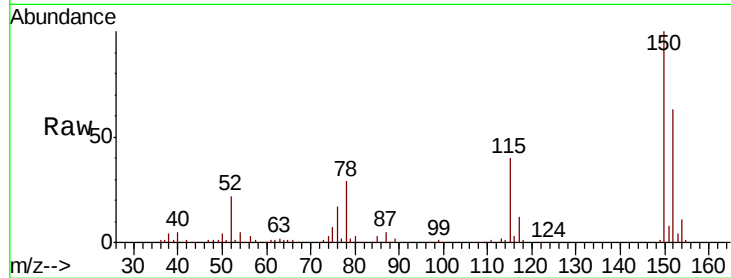
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF115891.D
 Acq: 1 Aug 2019 2:31

Instrument :
 BNA_F
 ClientSampleID :
 SP-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	127.4	191.0
115	63.4	51.8	77.8

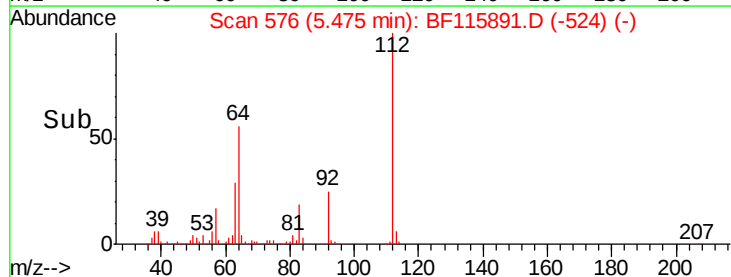
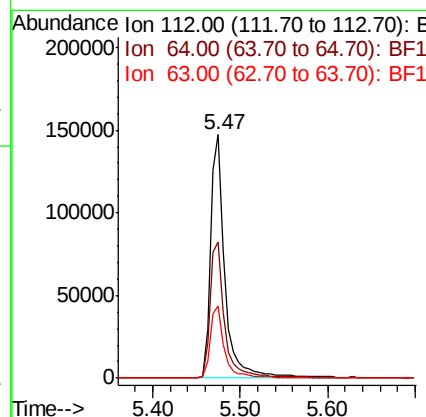
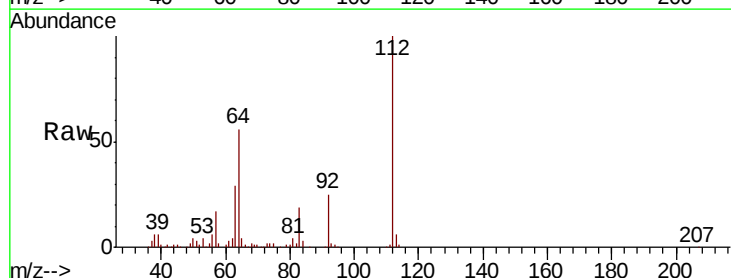
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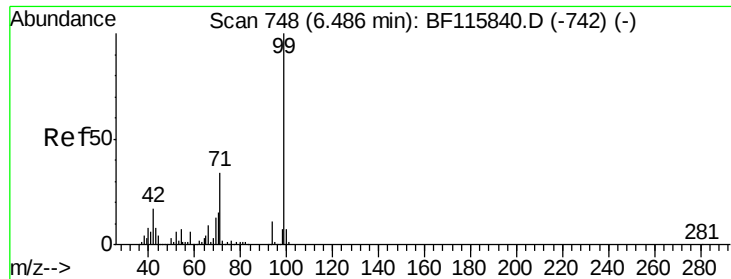
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#5
 2-Fluorophenol
 Concen: 22.673 ng
 RT: 5.47 min Scan# 576
 Delta R.T. 0.01 min
 Lab File: BF115891.D
 Acq: 1 Aug 2019 2:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	46.8	70.2
63	29.4	24.2	36.2





#7

Phenol-d6

Concen: 23.644 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115891.D

Acq: 1 Aug 2019 2:31

Instrument :

BNA_F

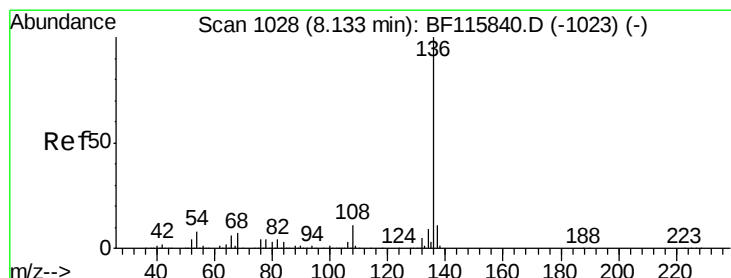
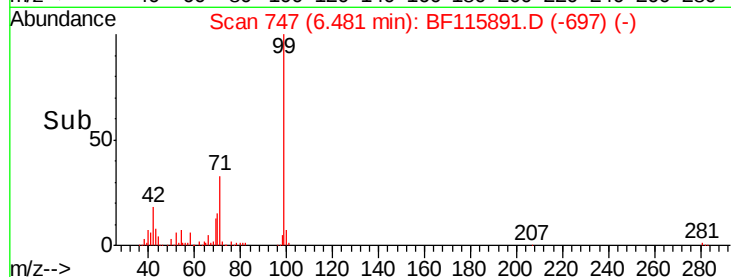
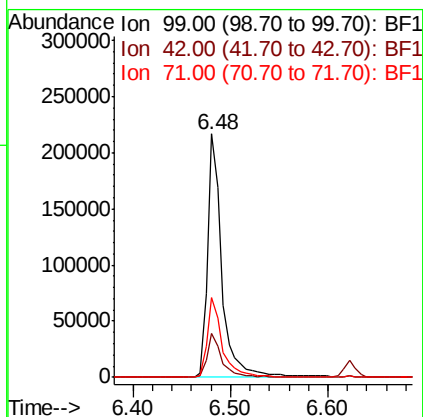
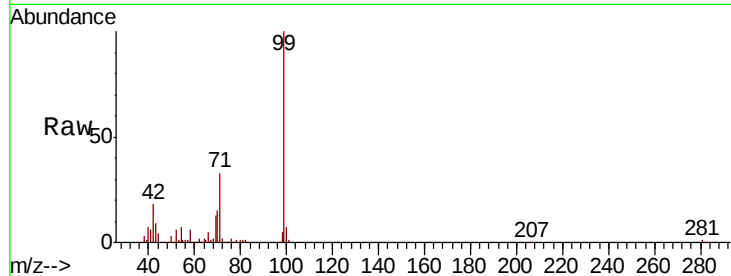
ClientSampled :

SP-6

Tot Ion:	99	Resp:	221724
Ion Ratio	Lower	Upper	
99	100		
42	18.0	13.8	20.6
71	32.7	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

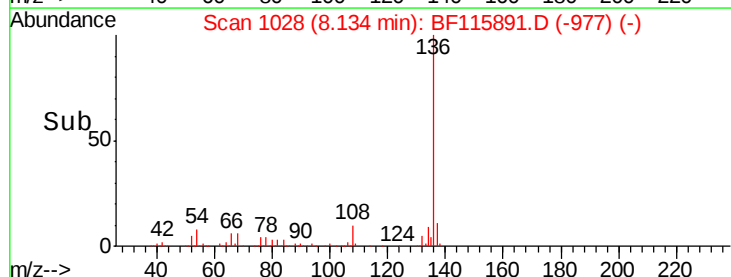
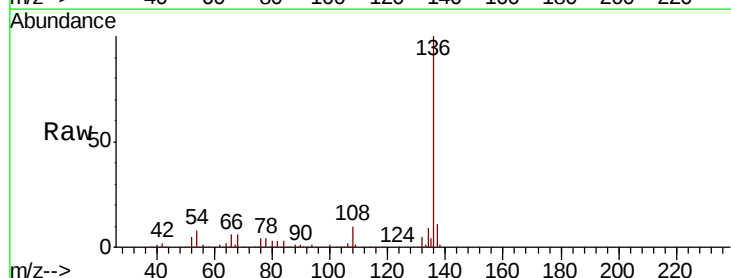
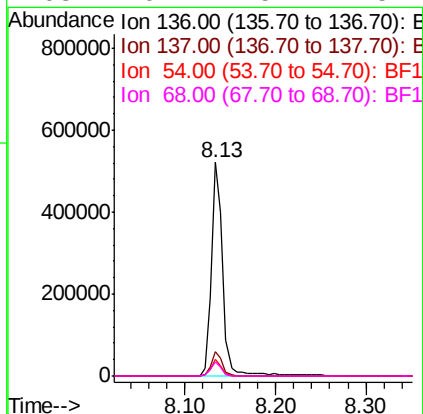
RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF115891.D

Acq: 1 Aug 2019 2:31

Tgt Ion:	136	Resp:	465017
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	7.7	6.1	9.1
68	6.4	5.4	8.2





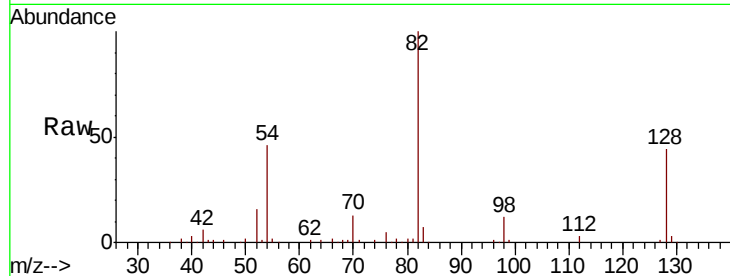
#23
Nitrobenzene-d5
Concen: 14.527 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

Instrument :
BNA_F
ClientSampleId :
SP-6

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	36.6	55.0
54	46.2	36.6	55.0

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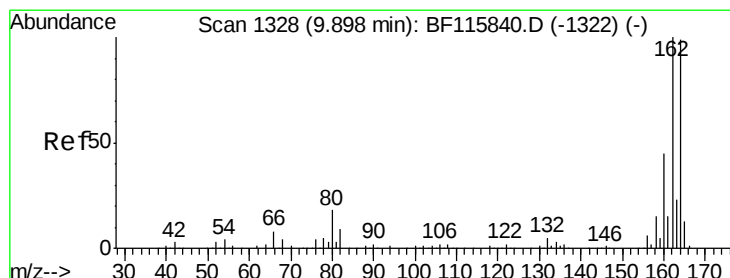
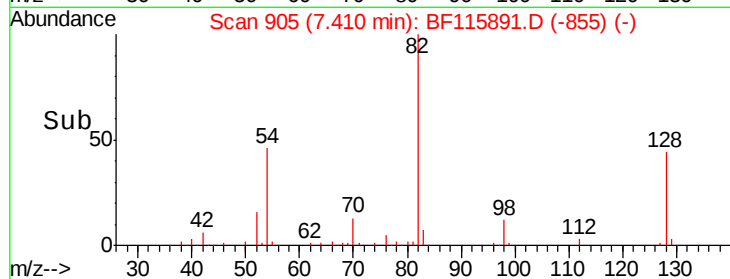
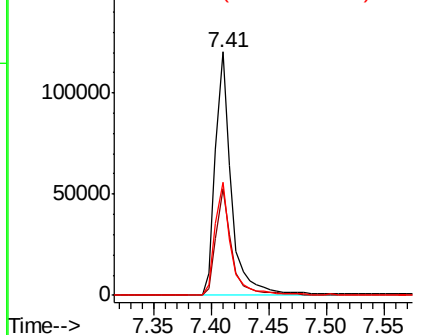


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

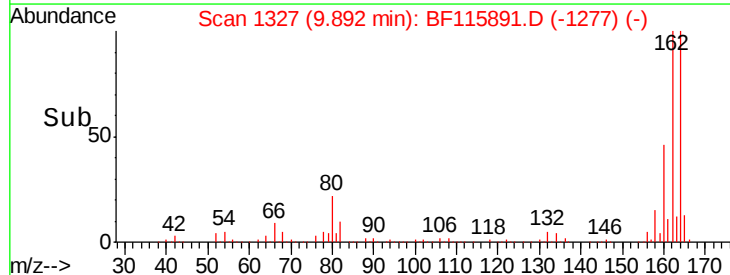
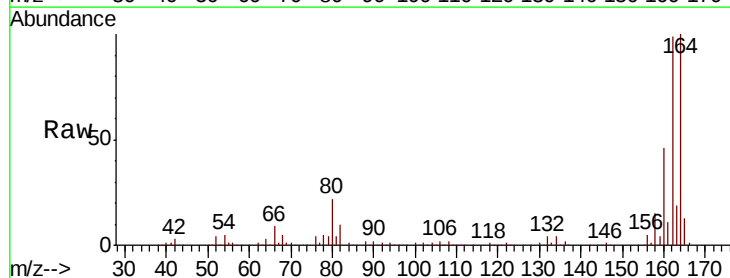
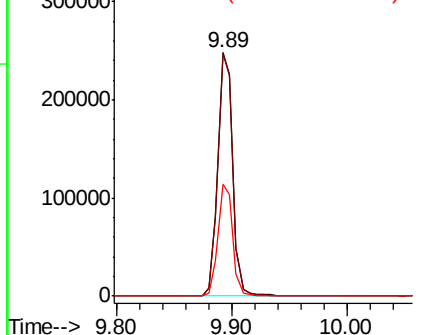
Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.4	80.8	121.2
160	45.7	36.2	54.4

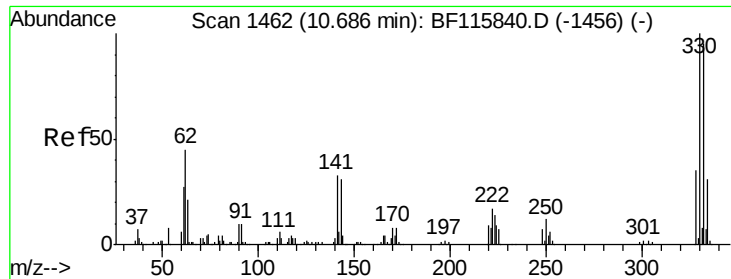
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 18.723 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.00 min

Lab File: BF115891.D

Acq: 1 Aug 2019 2:31

Instrument :

BNA_F

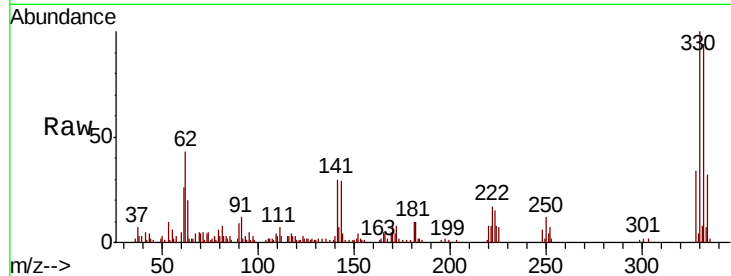
ClientSampled :

SP-6

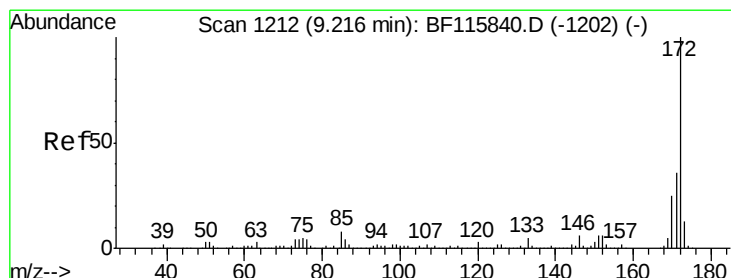
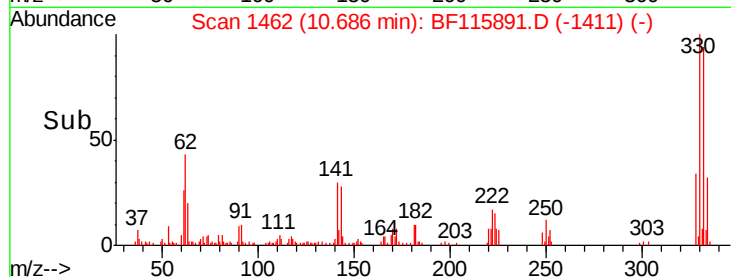
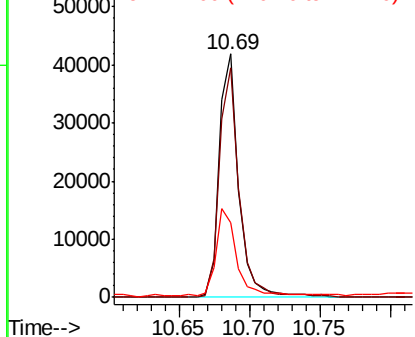
Tot Ion:	330	Resp:	40442
Ion Ratio	Lower	Upper	
330	100		
332	95.8	77.7	116.5
141	35.8	28.1	42.1

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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: 19.852 ng

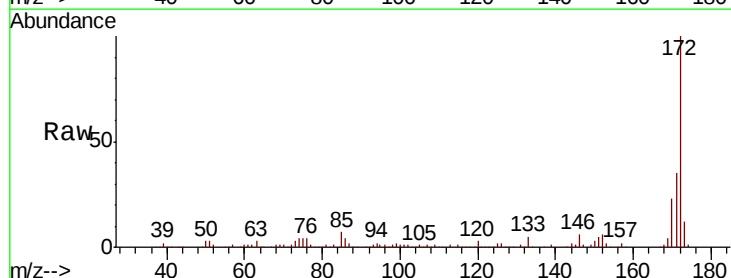
RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

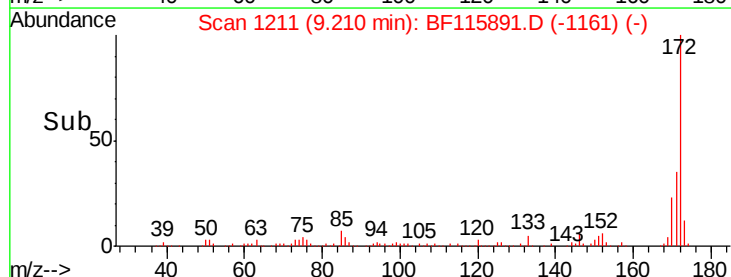
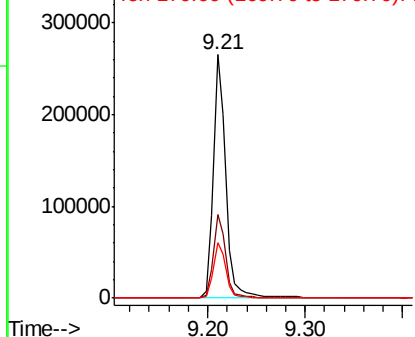
Lab File: BF115891.D

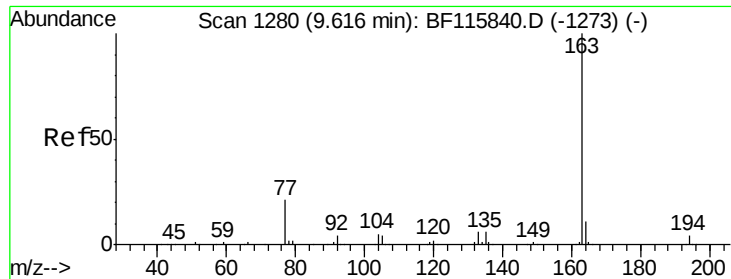
Acq: 1 Aug 2019 2:31

Tgt Ion:	172	Resp:	236129
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.1	43.7
170	22.9	20.1	30.1



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





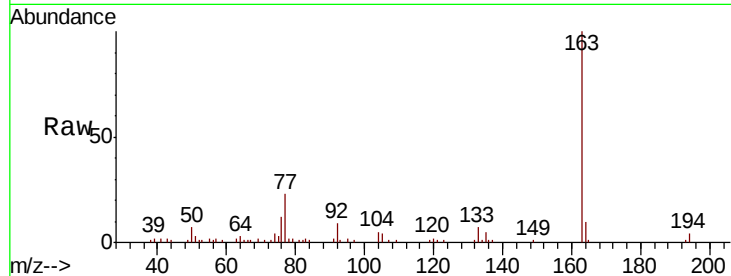
#50
Dimethylphthalate
Concen: 3.146 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

Instrument :
BNA_F
ClientSampleId :
SP-6

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.1	8.4	12.6

Manual Integrations
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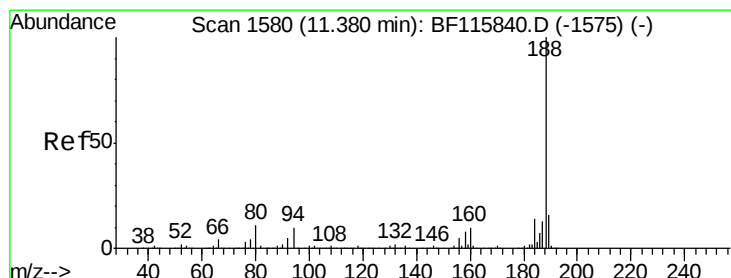
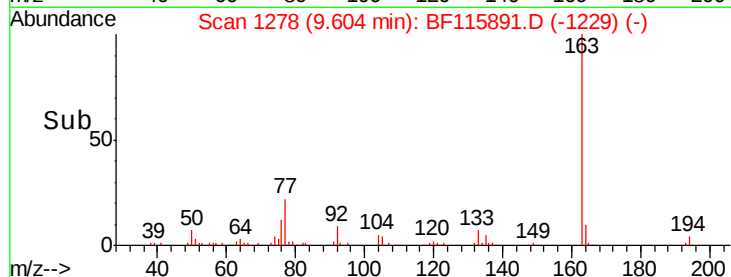
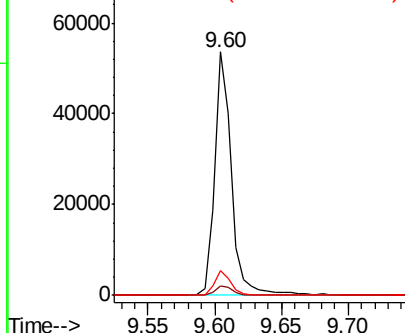


Abundance

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: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

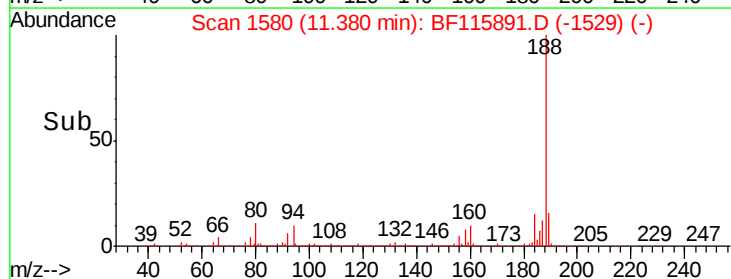
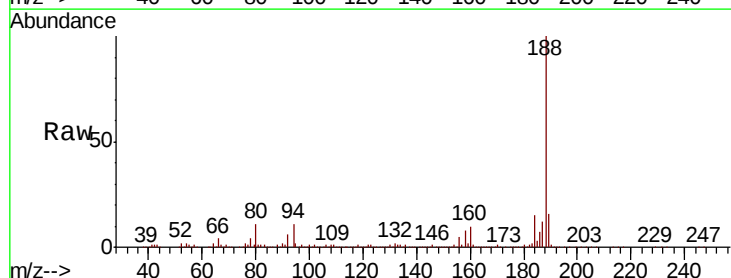
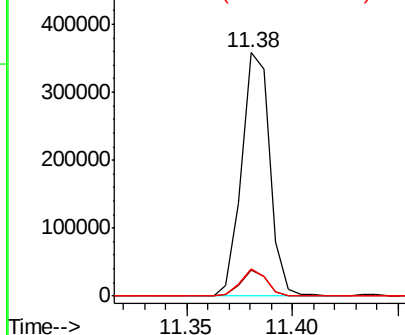
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.0	12.0
80	11.2	8.6	12.8

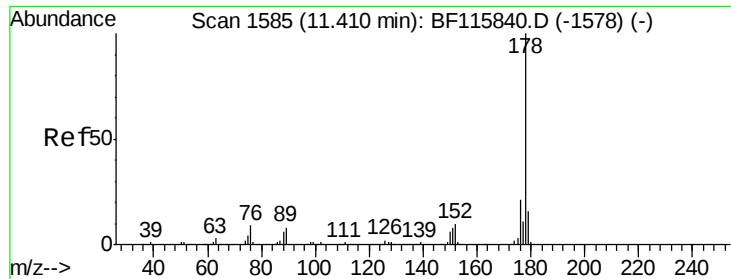
Abundance

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





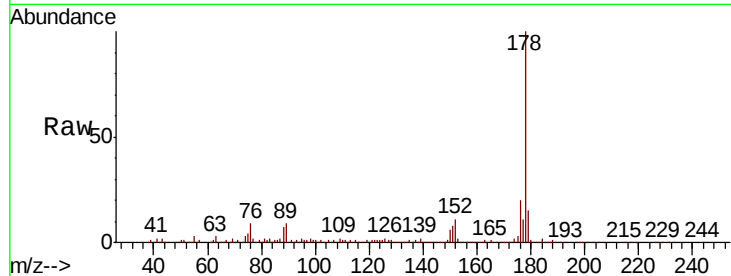
#71
Phenanthrene
Concen: 11.146 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

Instrument :
BNA_F
ClientSampled :
SP-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.5	24.7
179	15.4	12.6	18.8

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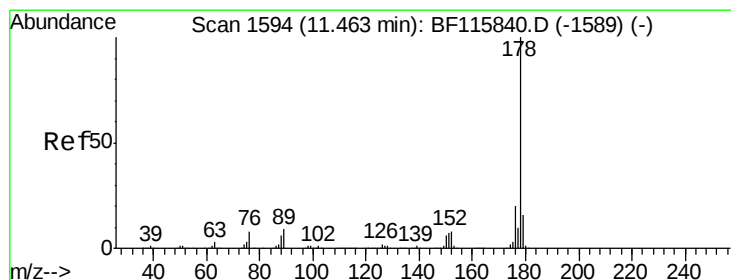
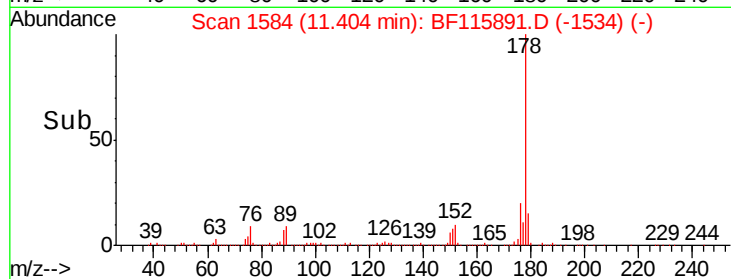
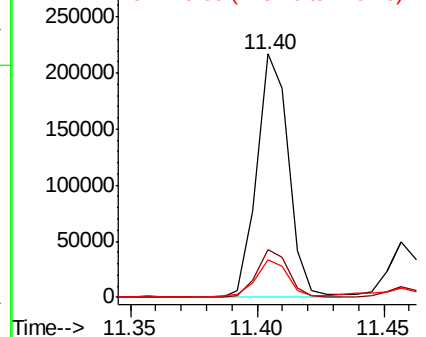


Abundance

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



#72
Anthracene
Concen: 2.409 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

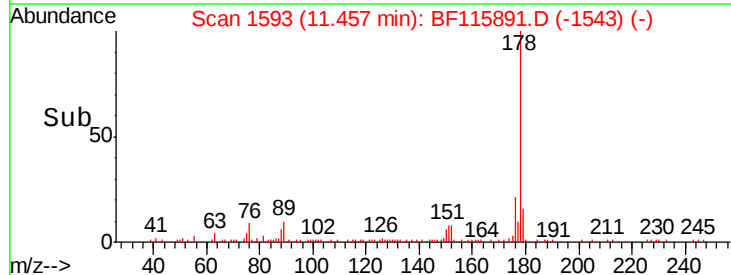
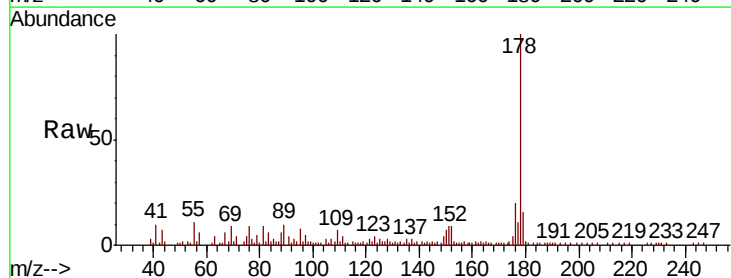
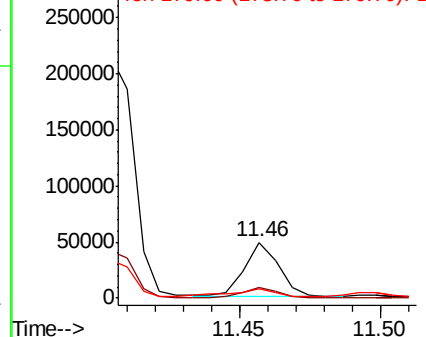
Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.7	23.5
179	16.4	12.4	18.6

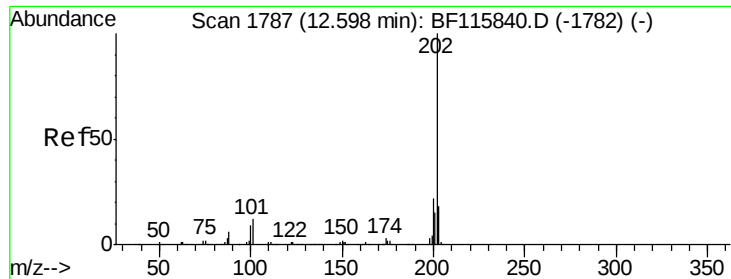
Abundance

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





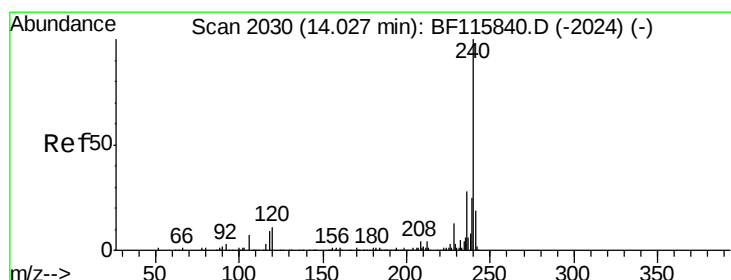
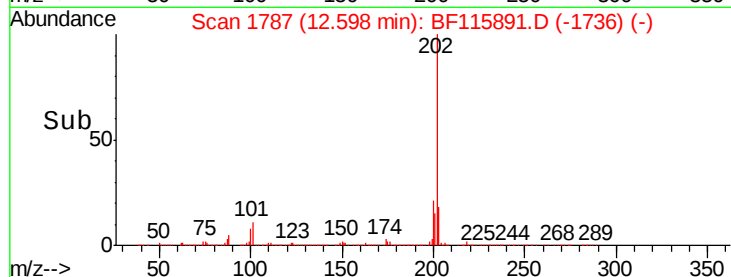
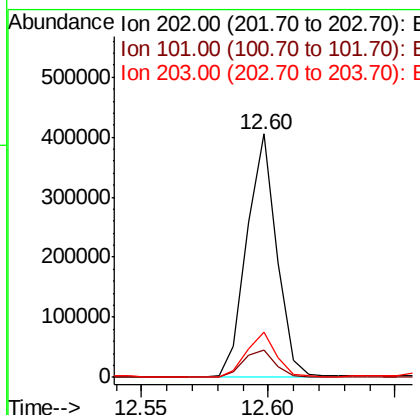
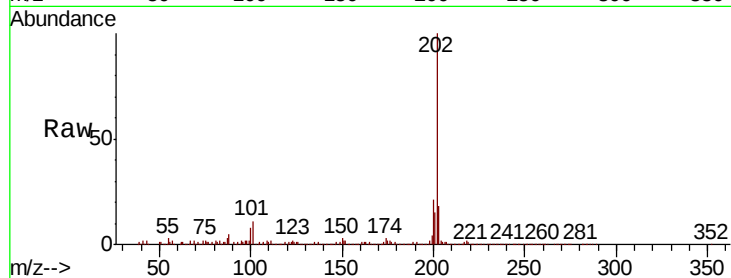
#75
Fluoranthene
Concen: 18.717 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

Instrument :
BNA_F
ClientSampled :
SP-6

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.2	0.0	31.5
203	18.5	0.0	37.9

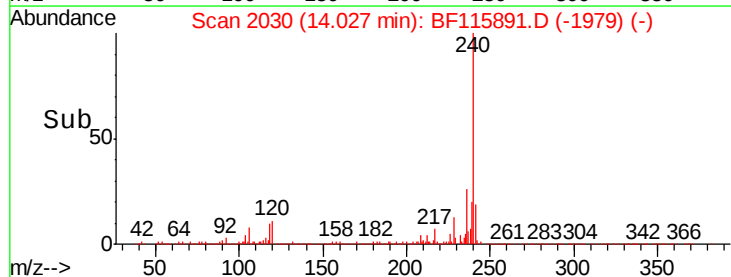
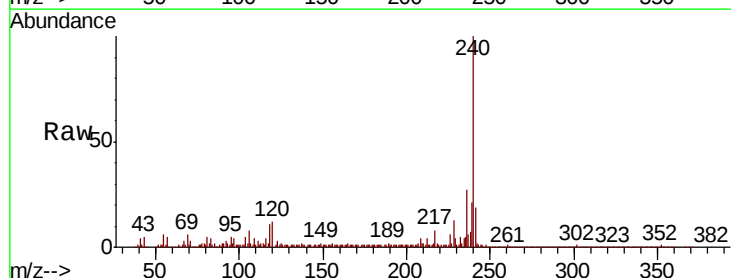
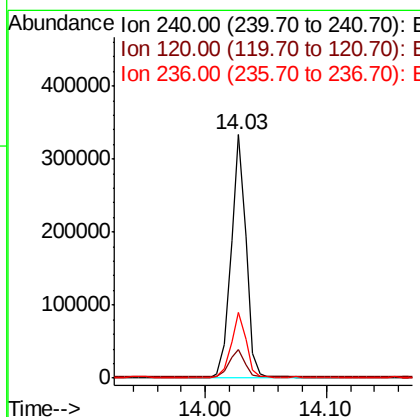
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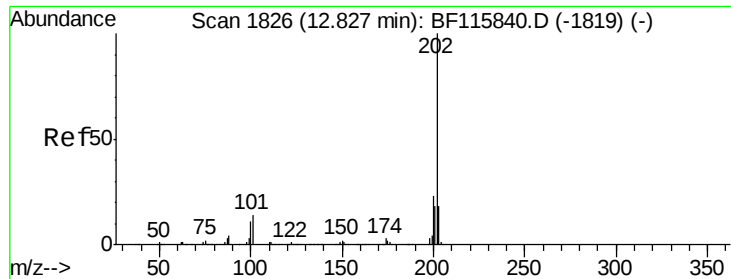
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.7	8.5	12.7
236	26.7	22.2	33.2





#78

Pvrene

Concen: 15.798 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF115891.D

Acq: 1 Aug 2019 2:31

Instrument :

BNA_F

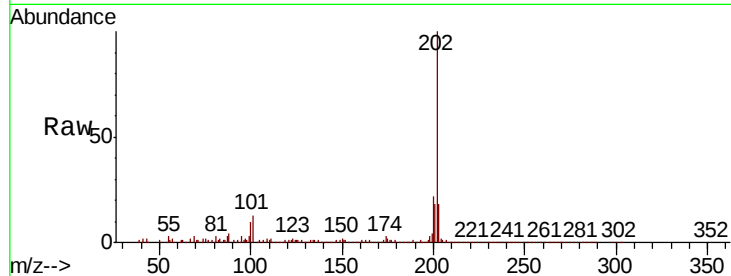
ClientSampled :

SP-6

Tot Ion:	202	Resp:	339218
Ion Ratio	Lower	Upper	
202	100		
200	21.9	18.2	27.2
203	17.7	14.3	21.5

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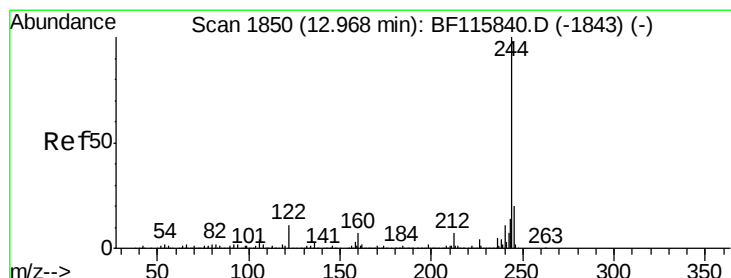
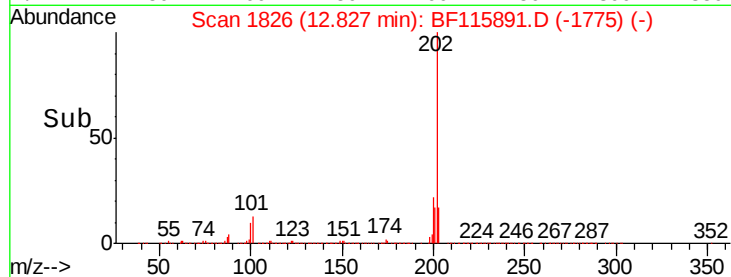
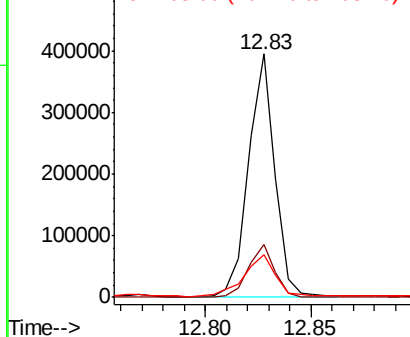


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 14.731 ng

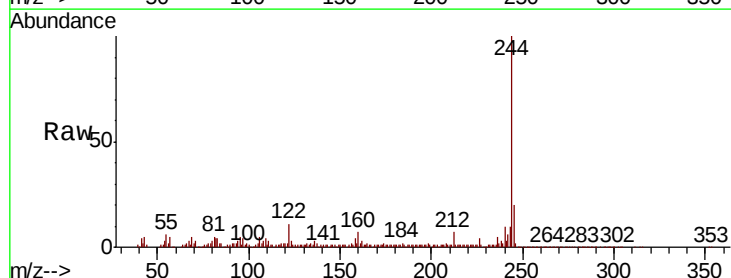
RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF115891.D

Acq: 1 Aug 2019 2:31

Tgt Ion:	244	Resp:	199126
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.6	8.4
122	11.5	8.6	13.0

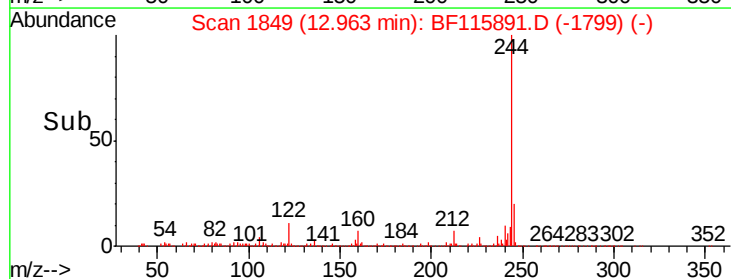
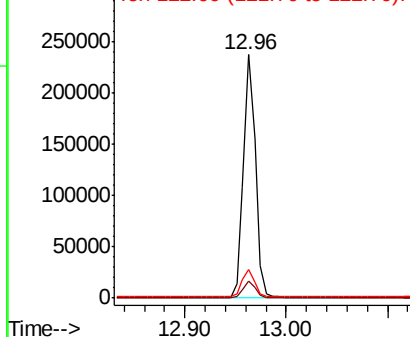


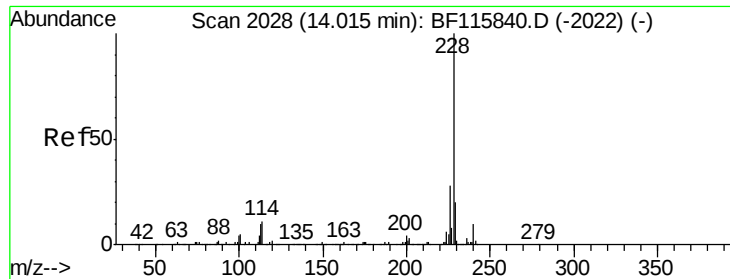
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





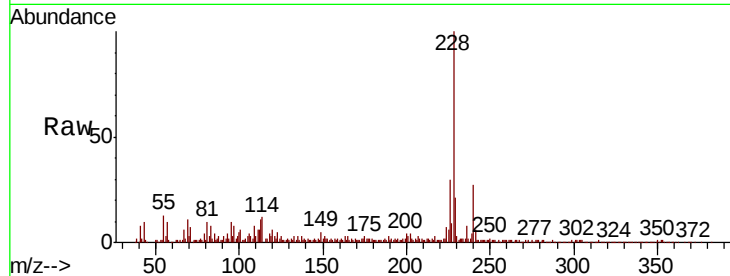
#81
Benzo(a)anthracene
Concen: 9.729 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

Instrument :
BNA_F
ClientSampled :
SP-6

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.5	33.7
229	21.0	16.1	24.1

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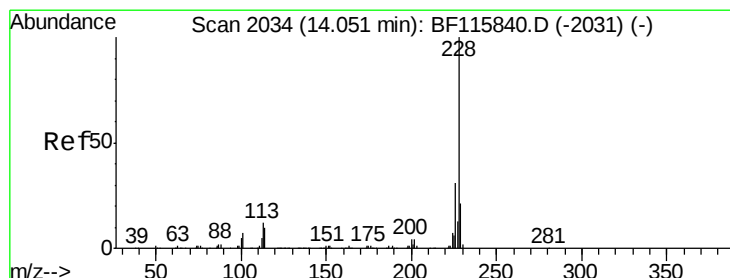
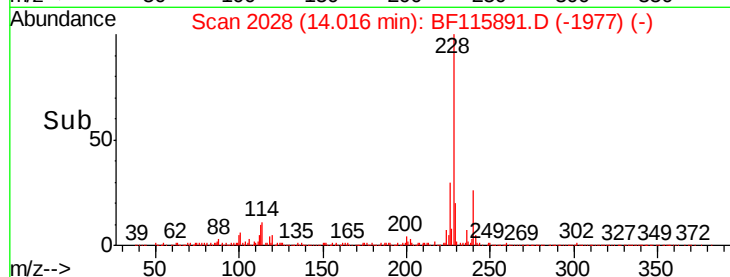
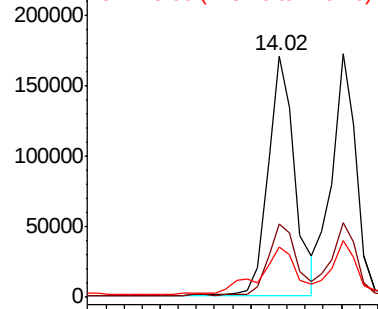


Abundance

Ion 228.00 (227.70 to 228.70): E

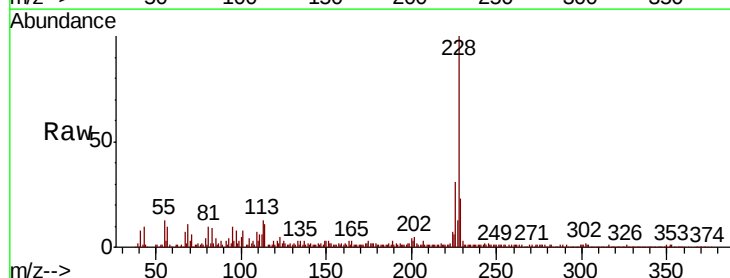
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 9.103 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.8	37.2
229	23.0	16.4	24.6

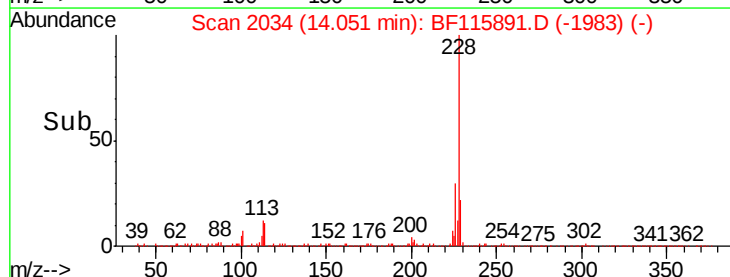
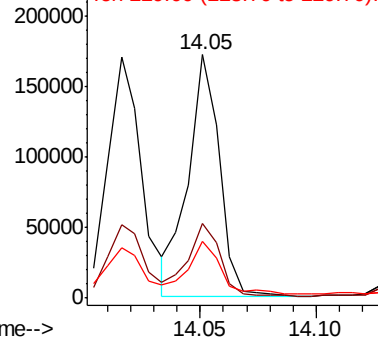


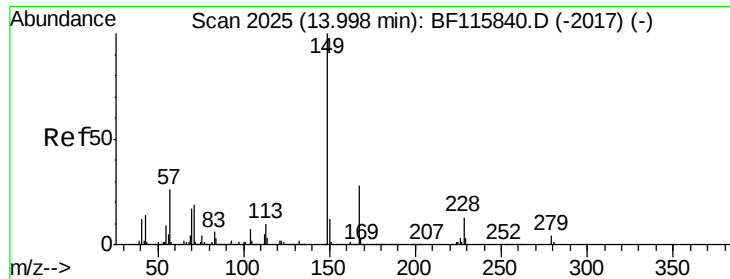
Abundance

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.106 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF115891.D

Acq: 1 Aug 2019 2:31

Instrument :

BNA_F

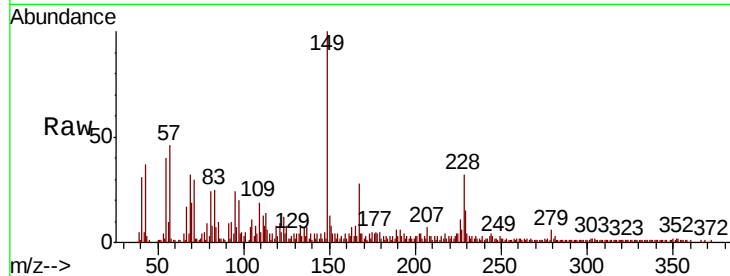
ClientSampleId :

SP-6

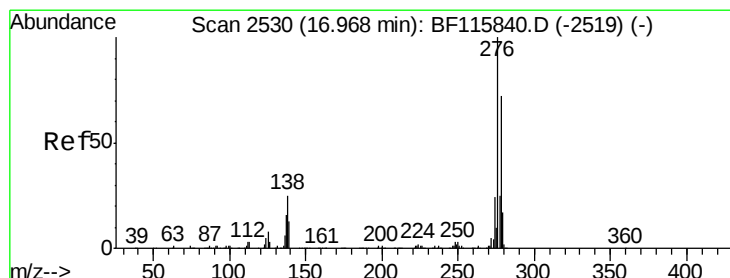
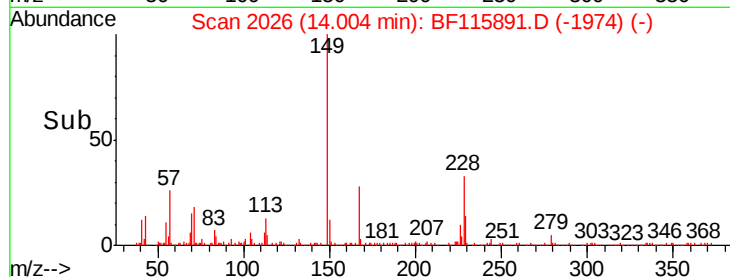
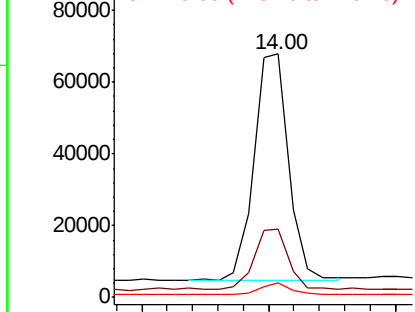
Tot Ion:	149	Resp:	60262
Ion Ratio	Lower	Upper	
149	100		
167	28.3	22.4	33.6
279	5.7	3.3	4.9#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.347 ng

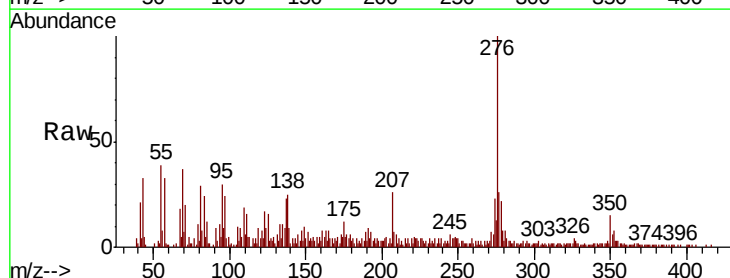
RT: 16.98 min Scan# 2532

Delta R.T. 0.01 min

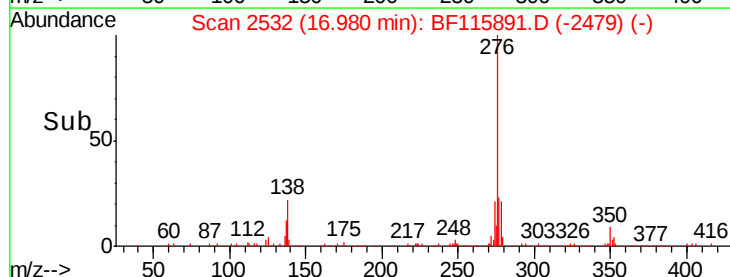
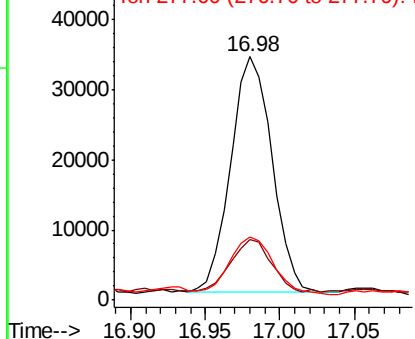
Lab File: BF115891.D

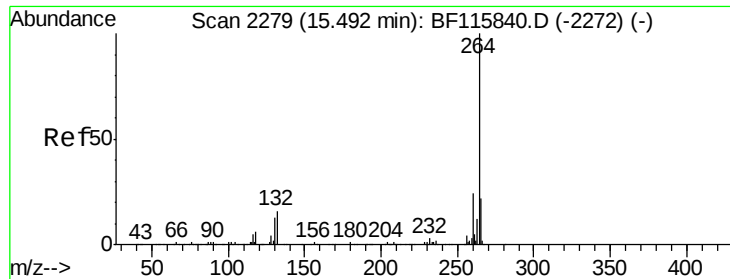
Acq: 1 Aug 2019 2:31

Tgt Ion:	276	Resp:	64527
Ion Ratio	Lower	Upper	
276	100		
138	21.8	19.6	29.4
277	25.6	20.1	30.1



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





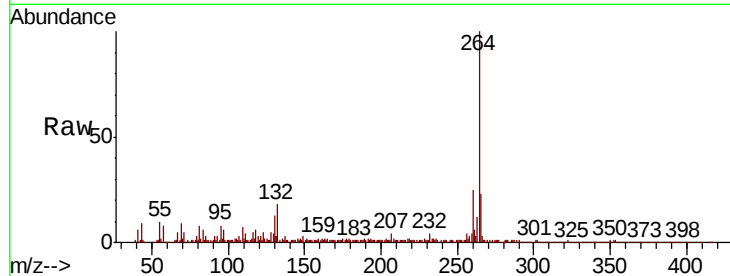
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

Instrument :
BNA_F
ClientSampled :
SP-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	22.8	17.5	26.3

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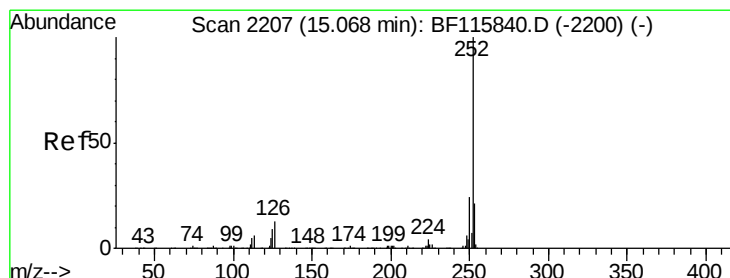
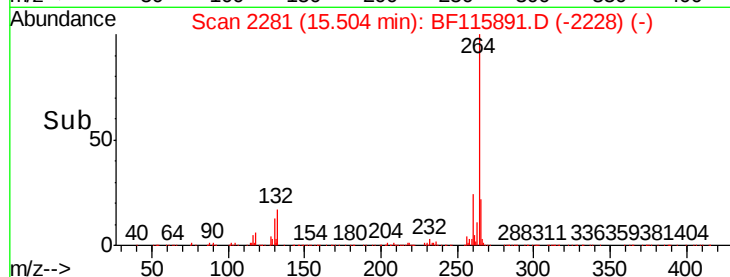
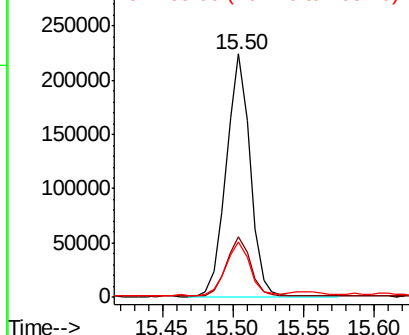


Abundance

Ion 264.00 (263.70 to 264.70): E

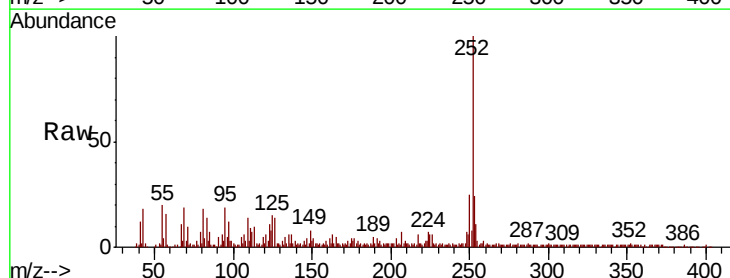
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 12.939 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.2	25.8
125	15.2	7.4	11.0

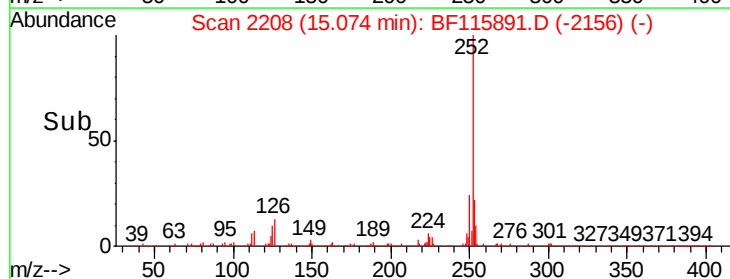
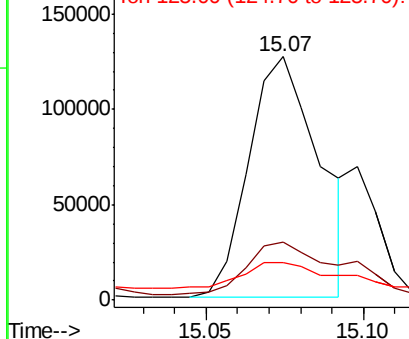


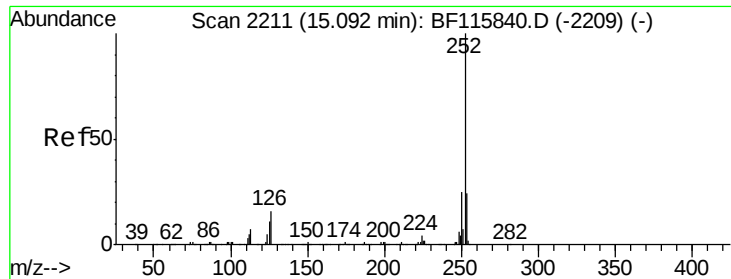
Abundance

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





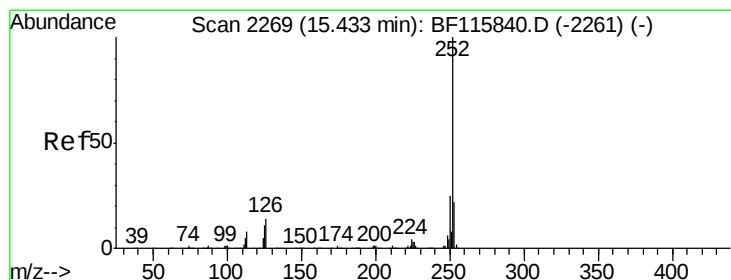
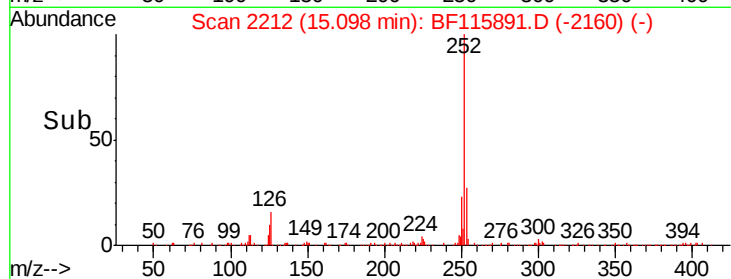
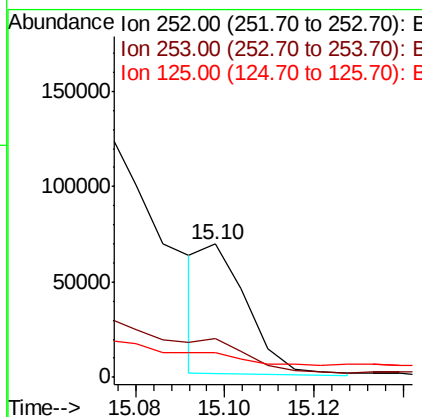
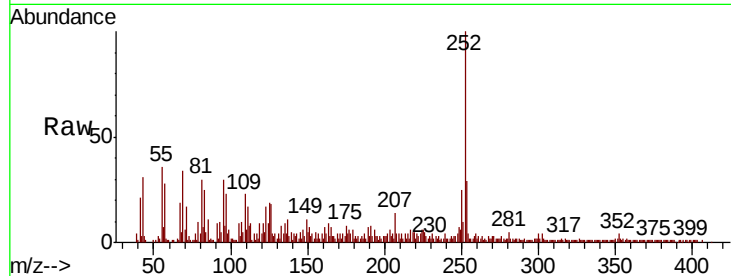
#89
Benzo(k)fluoranthene
Concen: 3.136 ng/mL
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

Instrument :
BNA_F
ClientSampleId :
SP-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.2	18.2	27.4#
125	19.1	8.9	13.3#

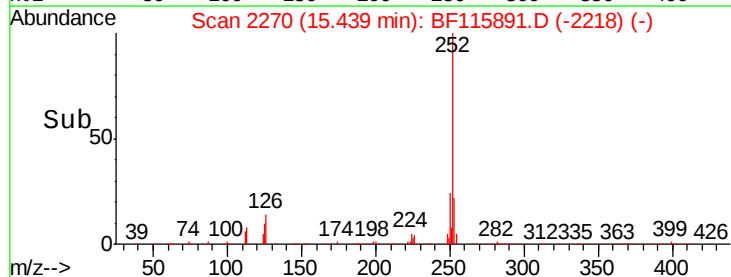
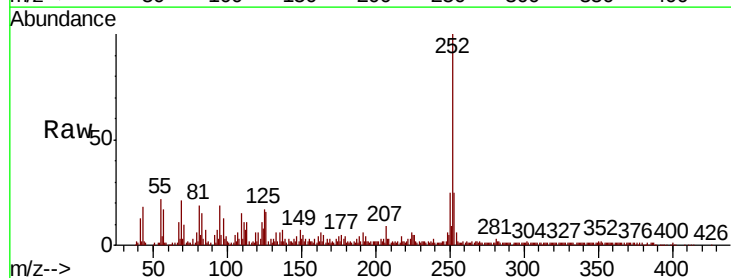
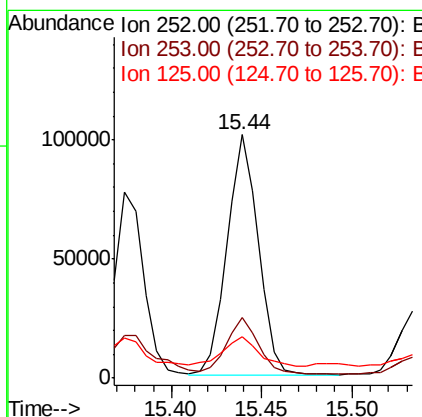
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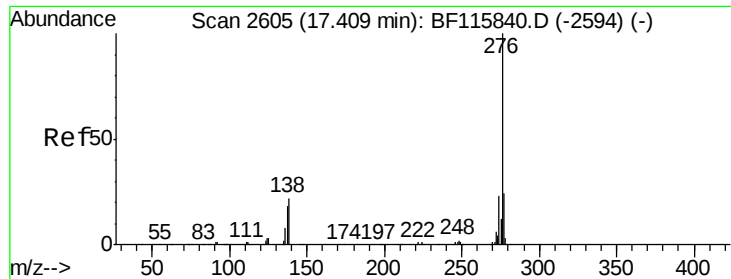
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#90
Benzo(a)pyrene
Concen: 8.926 ng/mL
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.6
125	16.8	8.8	13.2#





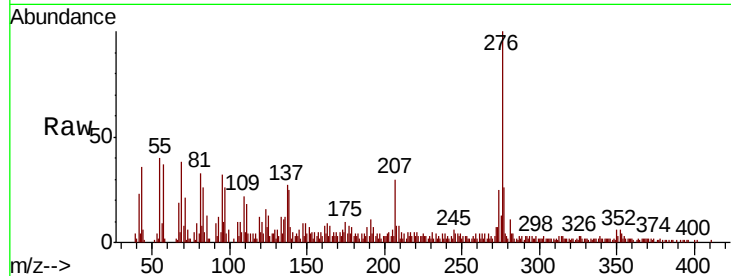
#92
 Benzo(a,h,i)perylene
 Concen: 5.297 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.02 min
 Lab File: BF115891.D
 Acq: 1 Aug 2019 2:31

Instrument :
 BNA_F
 ClientSampleId :
 SP-6

Tot Ion:	276	Resp:	61207
Ion Ratio		Lower	Upper
276	100		
277	26.1	19.5	29.3
138	25.3	17.8	26.8

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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

