

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
 Data File : BF117740.D
 Acq On : 8 Nov 2019 19:23
 Operator : JU
 Sample : K5722-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2-C

Manual Integrations
 APPROVED

mohammad
 11/11/2019 8:06:15 AM

Quant Time: Nov 09 02:53:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	351312	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	1374745	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	725153	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	1128387	20.00	ng	0.00
76) Chrysene-d12	14.12	240	736884	20.00	ng	0.00
87) Perylene-d12	15.62	264	800853	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	2011605	103.65	ng	0.00
7) Phenol-d6	6.55	99	2576233	107.65	ng	0.00
23) Nitrobenzene-d5	7.49	82	1623617	69.73	ng	-0.02
42) 2,4,6-Tribromophenol	10.77	330	707183	99.69	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	2661451	72.41	ng	-0.01
79) Terphenyl-d14	13.07	244	2257456	63.07	ng	0.00
Target Compounds						
10) Phenol	6.56	94	89661	3.477	ng	Qvalue 94
50) Dimethylphthalate	9.69	163	400063	8.161	ng	97
71) Phenanthrene	11.50	178	173851	3.214	ng	# 88
75) Fluoranthene	12.69	202	564414	10.220	ng	97
78) Pyrene	12.92	202	518129	9.632	ng	96
81) Benzo(a)anthracene	14.11	228	249352	5.436	ng	93
83) Chrysene	14.14	228	279949	6.180	ng	97
86) Indeno(1,2,3-cd)pyrene	17.14	276	177966	4.221	ng	94
88) Benzo(b)fluoranthene	15.17	252	496609m	9.846	ng	
89) Benzo(k)fluoranthene	15.20	252	113032m	2.513	ng	
90) Benzo(a)pyrene	15.56	252	192001	4.391	ng	# 97
92) Benzo(a,h,i)perylene	17.60	276	157939	4.156	ng	99

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

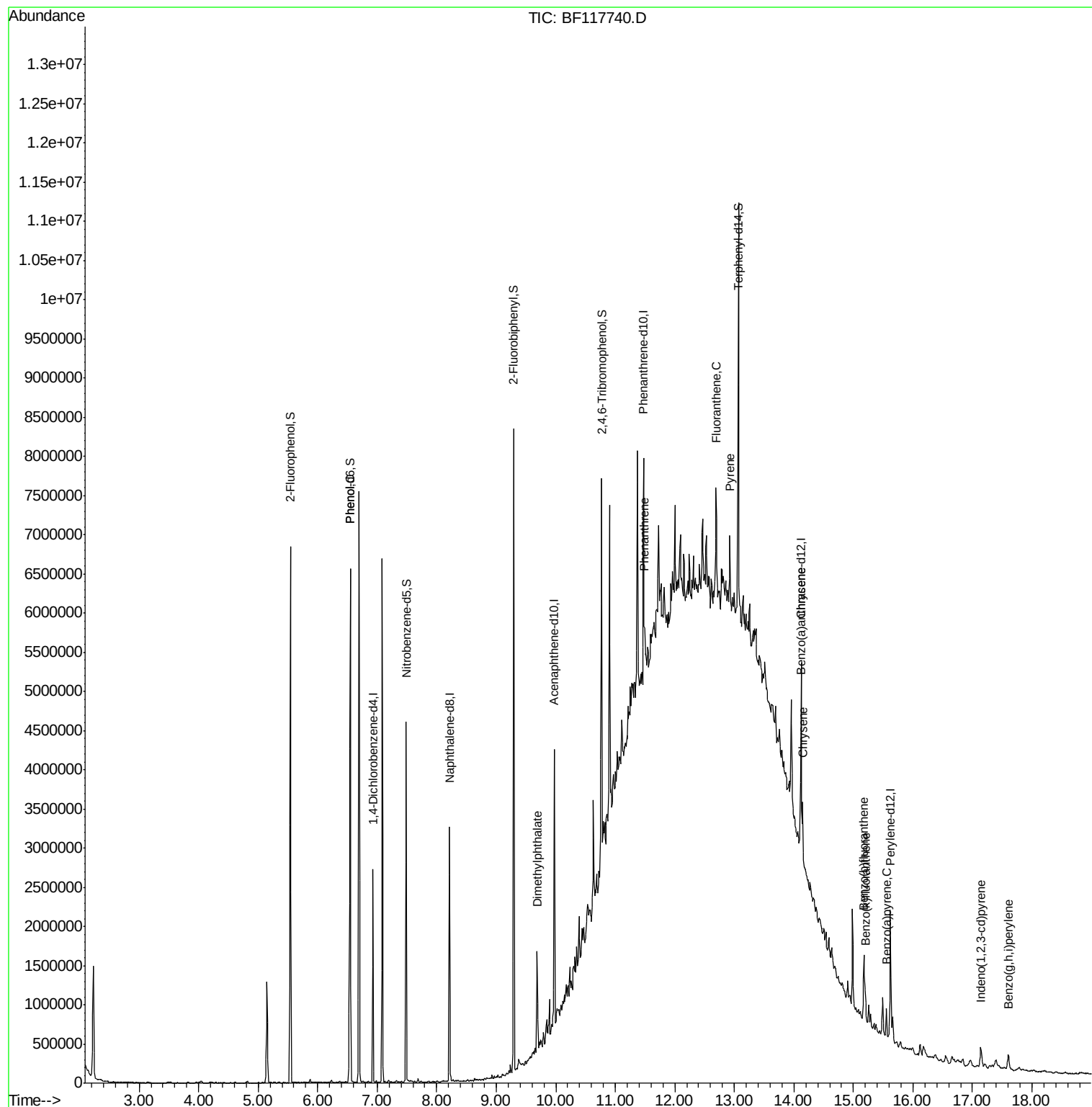
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
Data File : BF117740.D
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Misc :
ALS Vial : 13 Sample Multiplier: 1

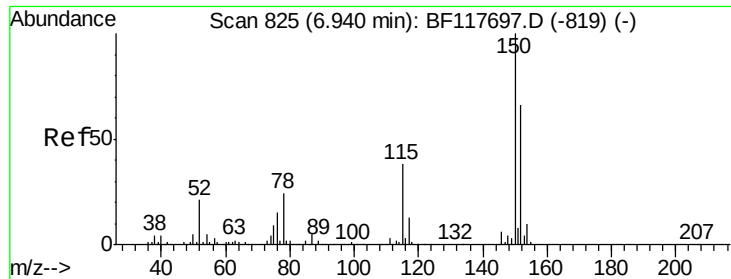
Instrument :
BNA_F
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2-C

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#1

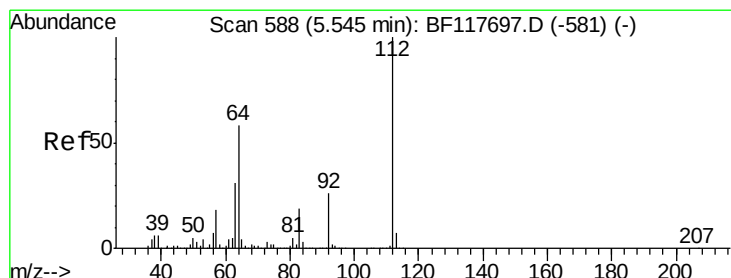
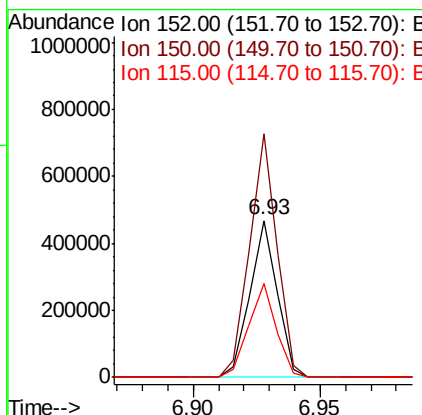
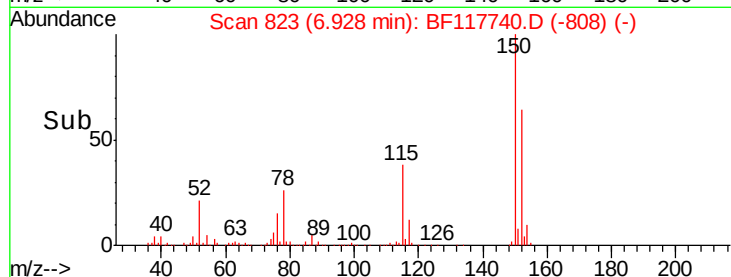
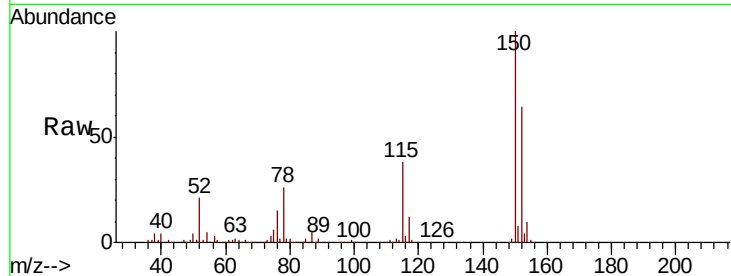
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF117740.D
Acq: 8 Nov 2019 19:23

Instrument :
BNA_F
ClientSampled :
2-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	121.4	182.2
115	59.7	46.7	70.1

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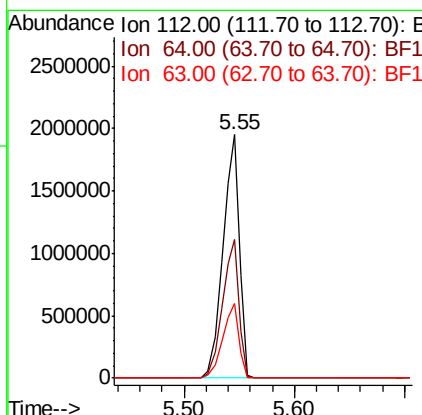
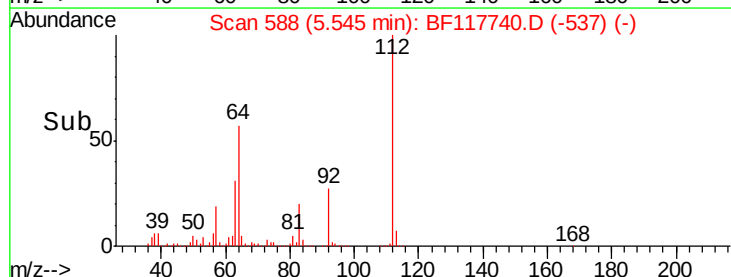
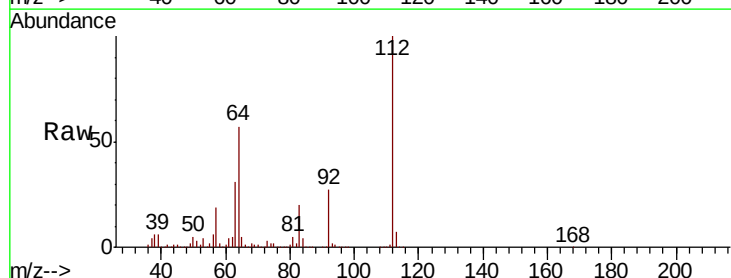
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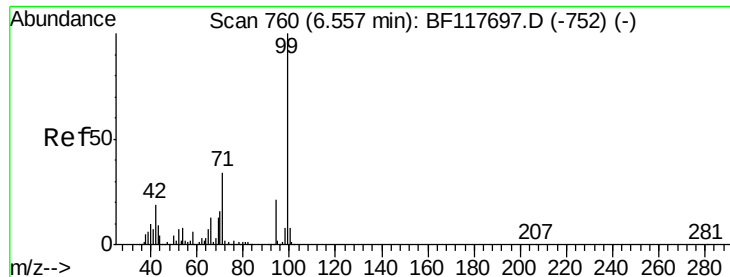


#5

2-Fluorophenol
Concen: 103.649 ng
RT: 5.55 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF117740.D
Acq: 8 Nov 2019 19:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	46.4	69.6
63	30.9	24.6	37.0





#7

Phenol-d6

Concen: 107.655 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117740.D

Acq: 8 Nov 2019 19:23

Instrument :

BNA_F

ClientSampled :

2-C

Tot Ion: 99 Resp: 2576233

Ion Ratio Lower Upper

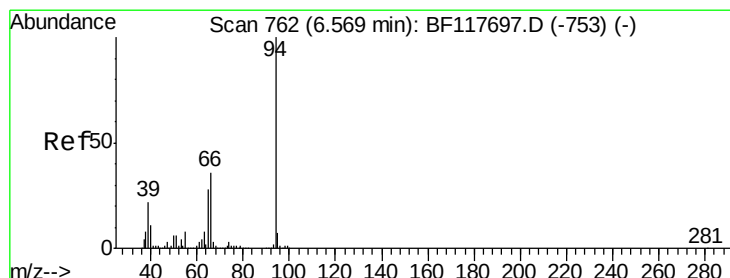
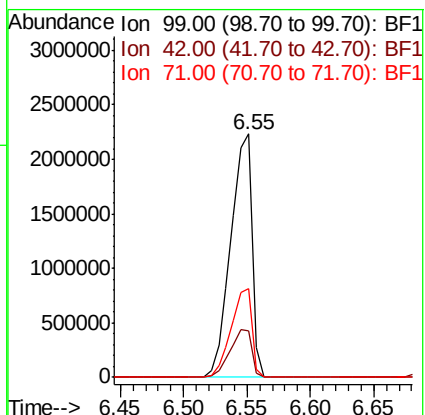
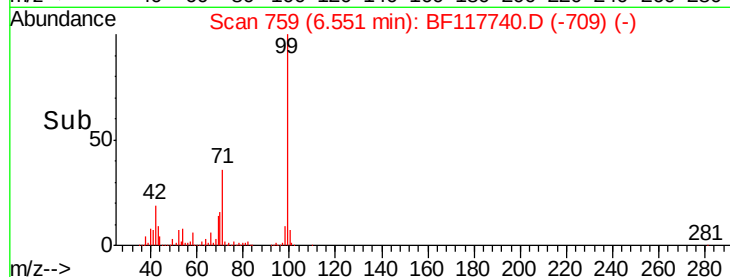
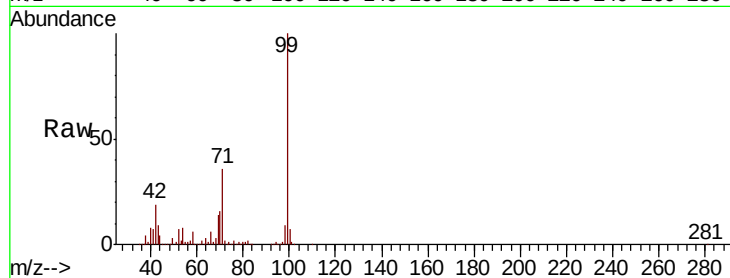
99 100

42 19.3 15.3 22.9

71 36.2 26.8 40.2

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#10

Phenol

Concen: 3.477 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF117740.D

Acq: 8 Nov 2019 19:23

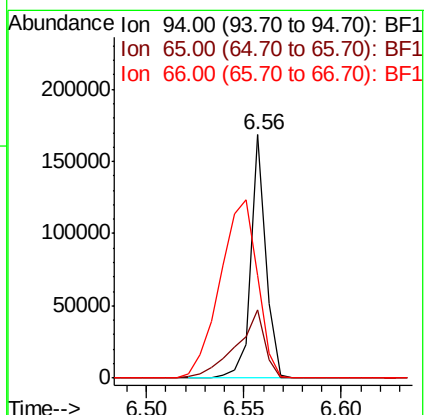
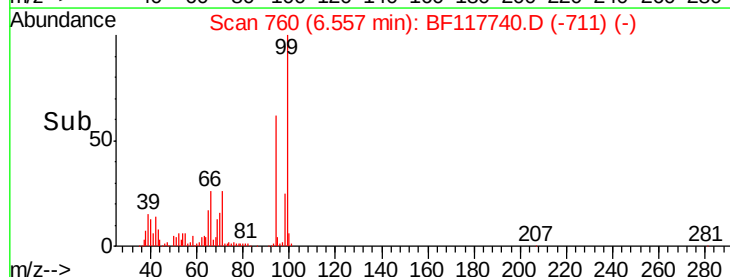
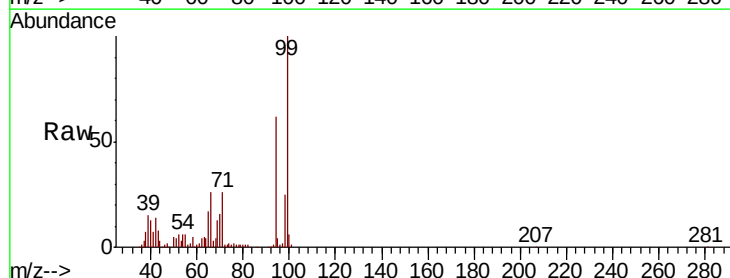
Tgt Ion: 94 Resp: 89661

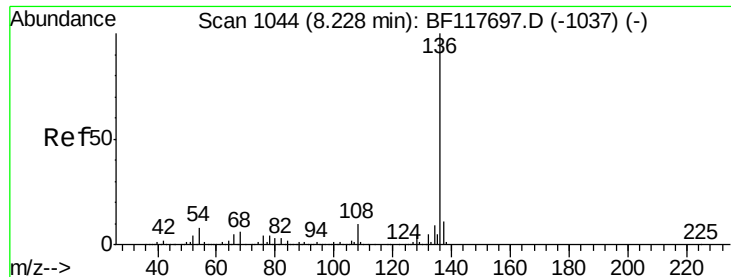
Ion Ratio Lower Upper

94 100

65 27.9 7.6 47.6

66 42.4 16.1 56.1





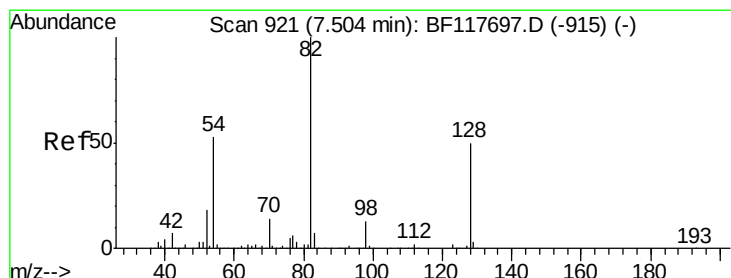
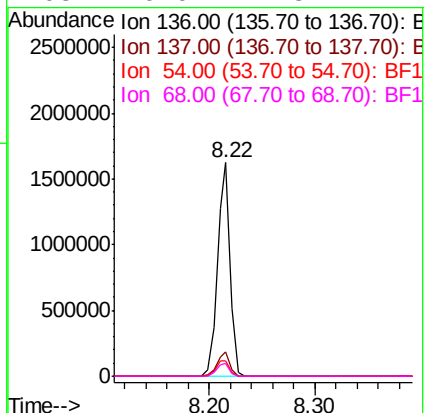
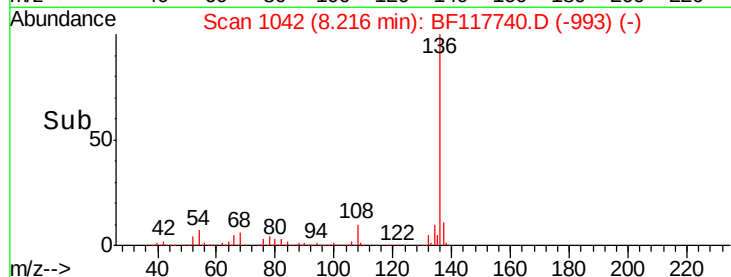
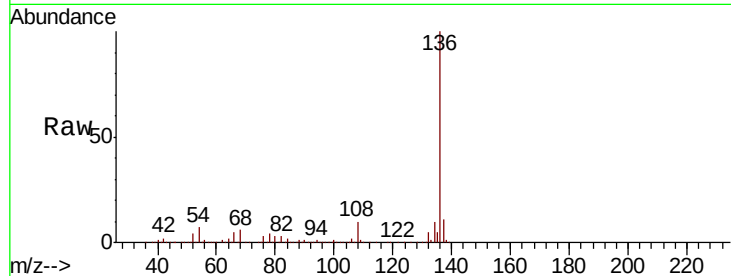
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF117740.D
Acq: 8 Nov 2019 19:23

Instrument :
BNA_F
ClientSampled :
2-C

Tot Ion	136	Resp	1374745
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.4	6.0	9.0
68	6.0	4.8	7.2

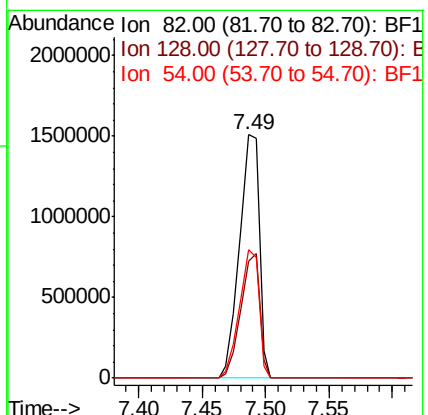
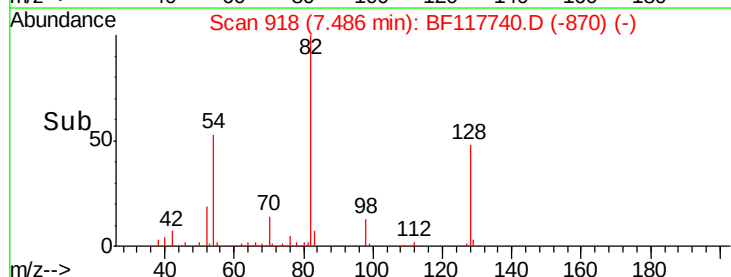
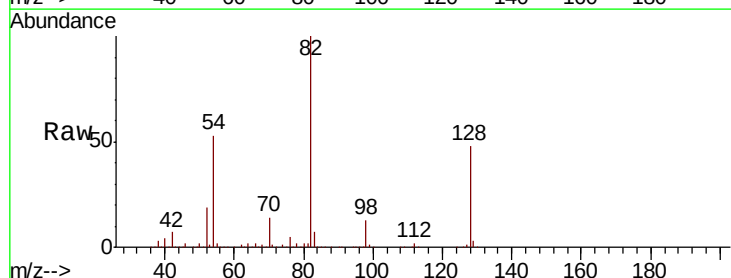
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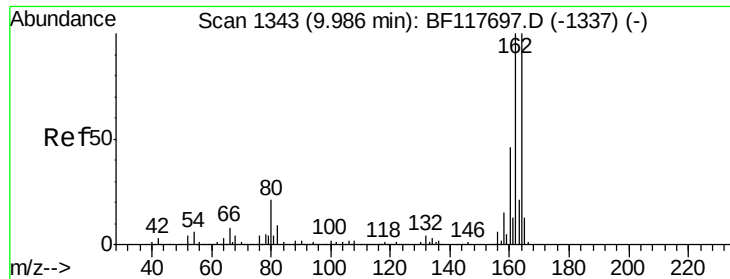
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#23
Nitrobenzene-d5
Concen: 69.727 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.02 min
Lab File: BF117740.D
Acq: 8 Nov 2019 19:23

Tgt Ion	82	Resp	1623617
Ion	Ratio	Lower	Upper
82	100		
128	48.1	40.2	60.2
54	52.9	42.0	63.0





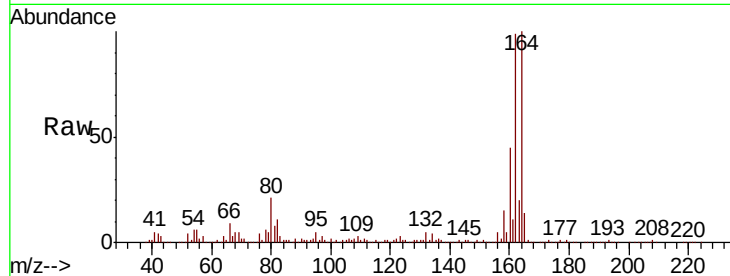
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF117740.D
Acq: 8 Nov 2019 19:23

Instrument :
BNA_F
ClientSampled :
2-C

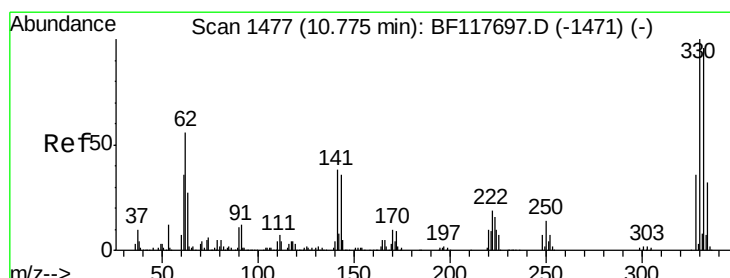
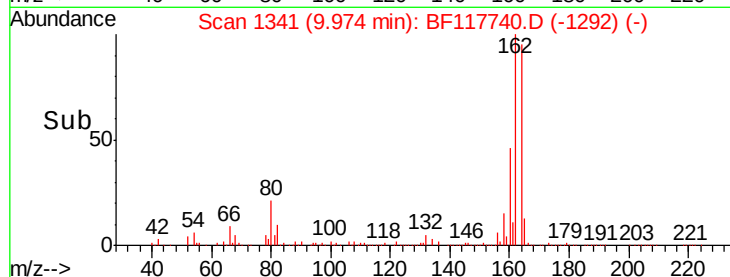
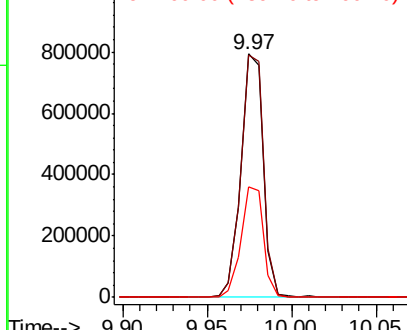
Tot Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.7	119.5
160	45.3	36.5	54.7

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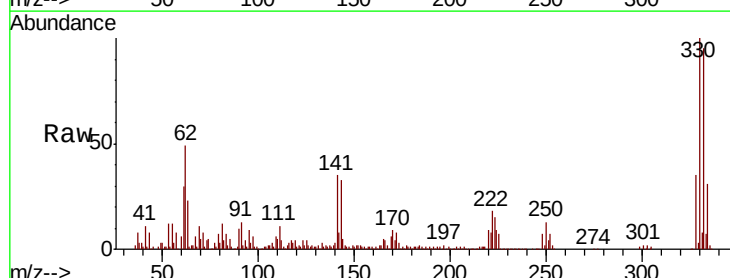


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

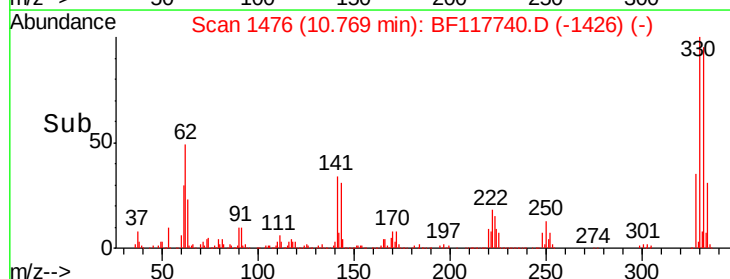
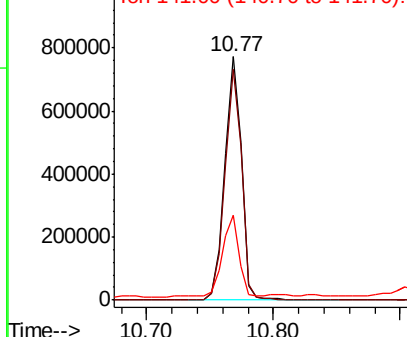


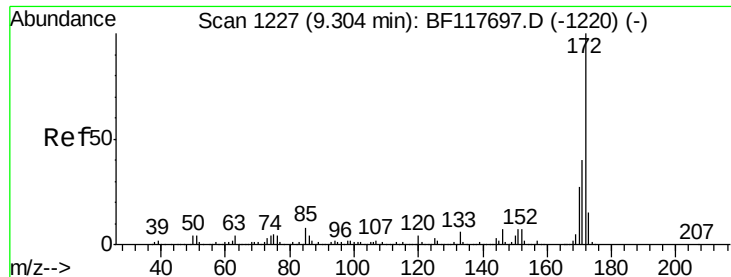
#42
2,4,6-Tribromophenol
Concen: 99.692 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF117740.D
Acq: 8 Nov 2019 19:23

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.4	116.0
141	33.9	28.0	42.0



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





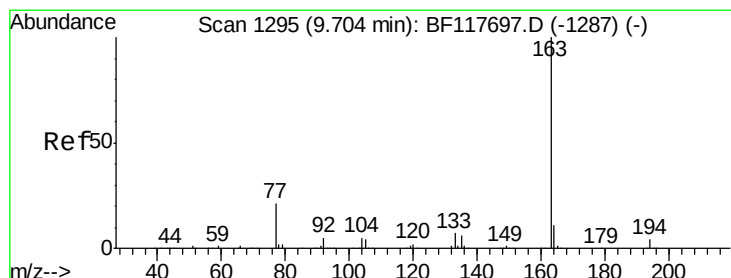
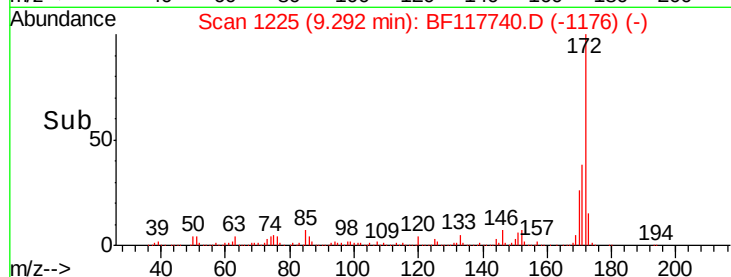
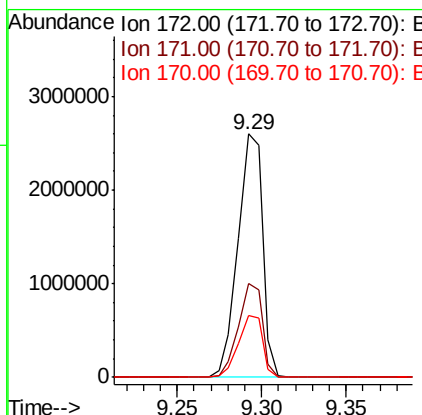
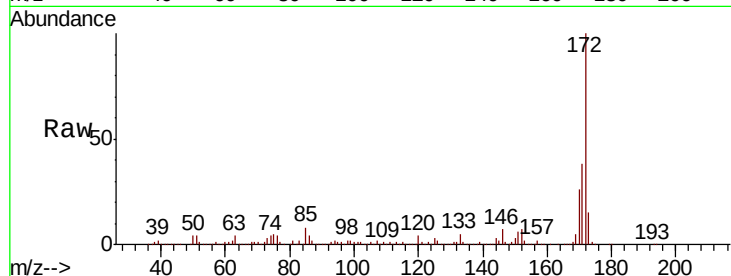
#45
2-Fluorobiphenyl
Concen: 72.413 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF117740.D
Acq: 8 Nov 2019 19:23

Instrument :
BNA_F
ClientSampleId :
2-C

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.4	31.8	47.8
170	25.6	21.6	32.4

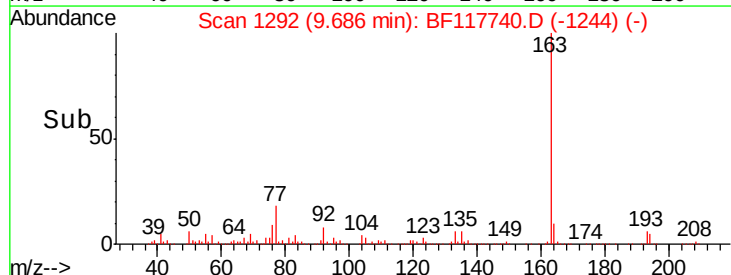
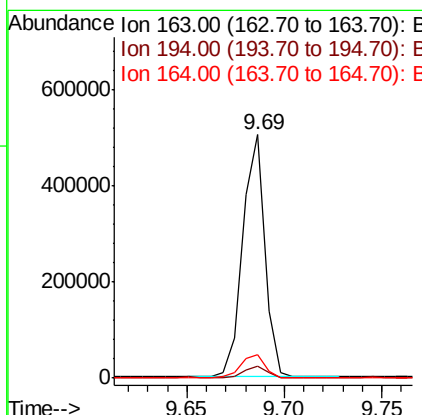
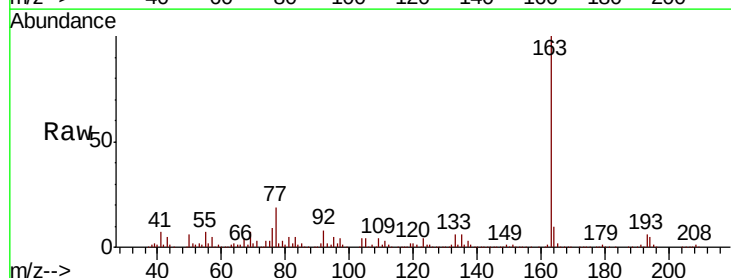
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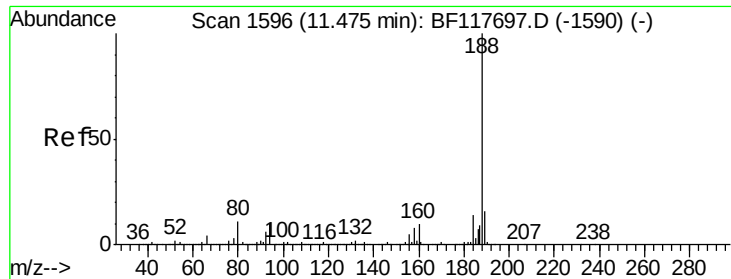
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#50
Dimethylphthalate
Concen: 8.161 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF117740.D
Acq: 8 Nov 2019 19:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.4	5.0
164	9.6	8.9	13.3





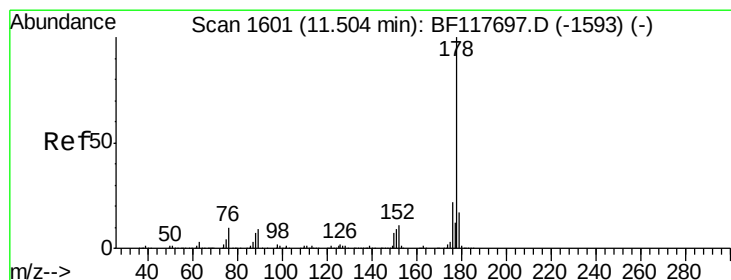
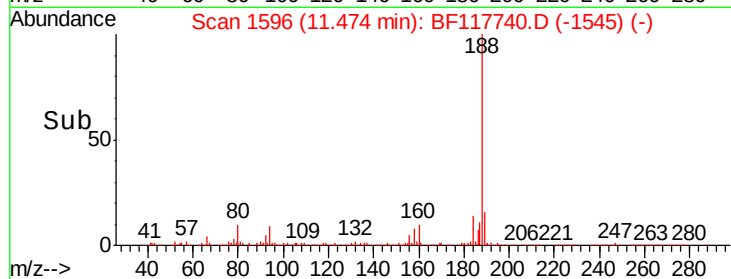
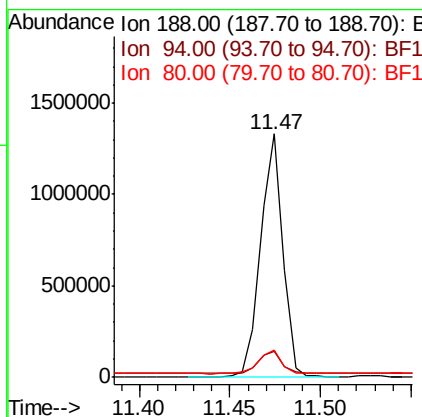
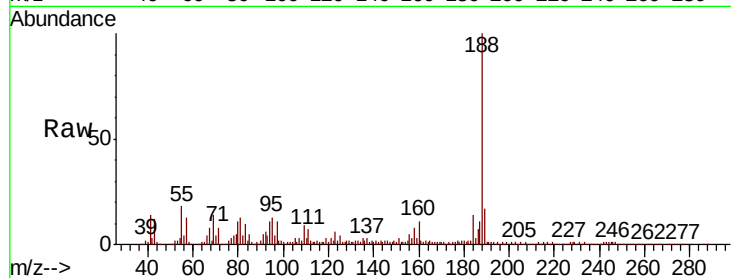
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BF117740.D
Acq: 8 Nov 2019 19:23

Instrument :
BNA_F
ClientSampleId :
2-C

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.2	12.4
80	11.0	8.6	13.0

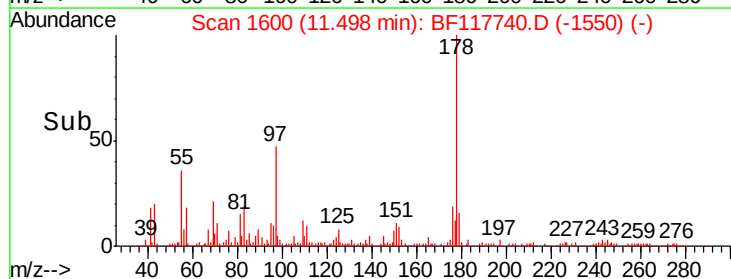
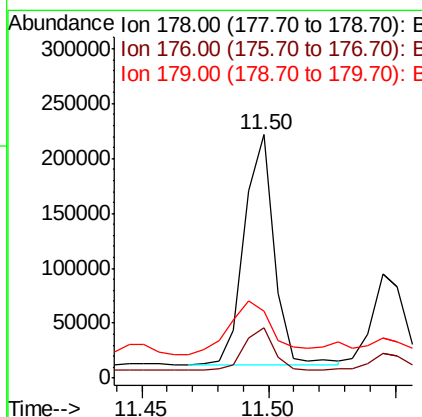
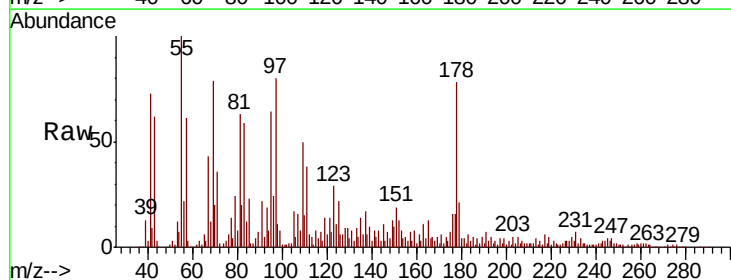
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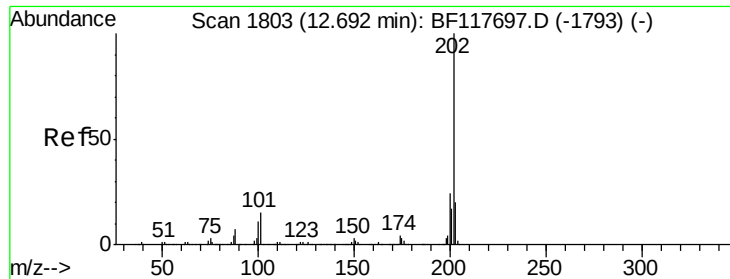
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#71
Phenanthrene
Concen: 3.214 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF117740.D
Acq: 8 Nov 2019 19:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.8	17.7	26.5
179	27.3	13.8	20.8#





#75

Fluoranthene

Concen: 10.220 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.00 min

Lab File: BF117740.D

Acq: 8 Nov 2019 19:23

Instrument :

BNA_F

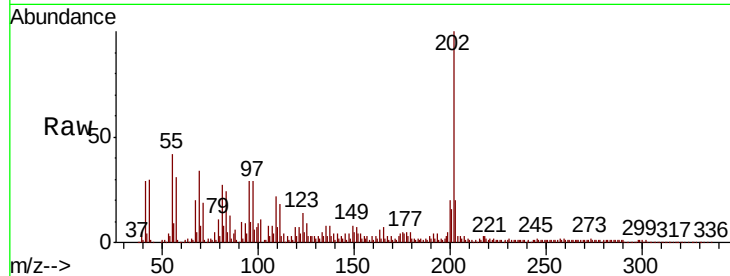
ClientSampled :

2-C

Tot Ion:	202	Resp:	564414
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	34.5
203	19.9	0.0	39.8

Manual Integrations
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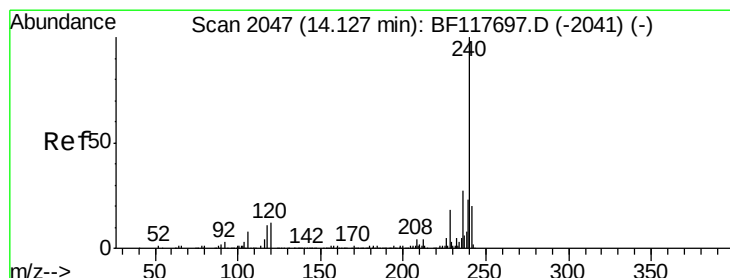
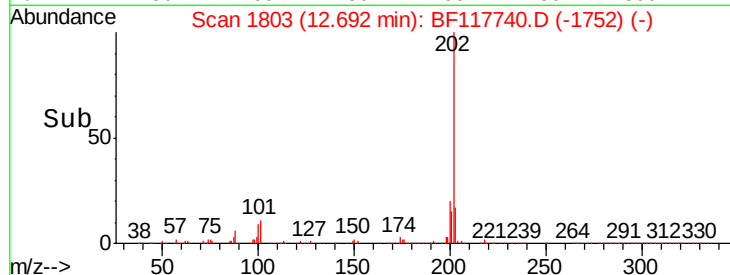
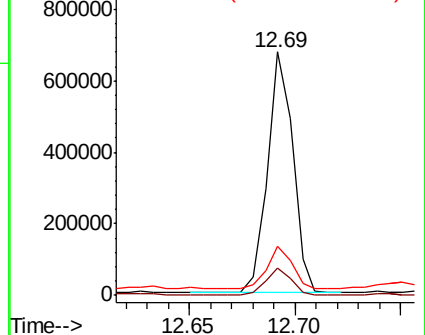


Abundance

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: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF117740.D

Acq: 8 Nov 2019 19:23

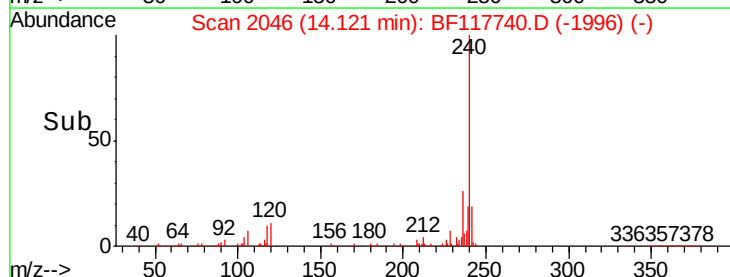
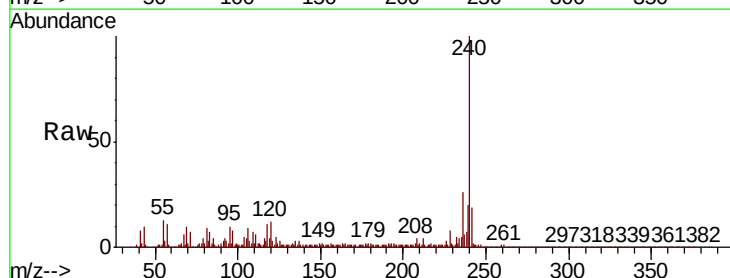
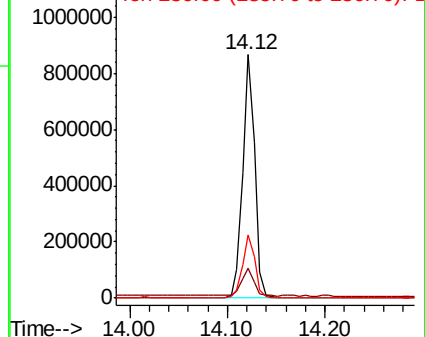
Tgt Ion:	240	Resp:	736884
Ion Ratio	Lower	Upper	
240	100		
120	12.3	9.7	14.5
236	25.9	21.9	32.9

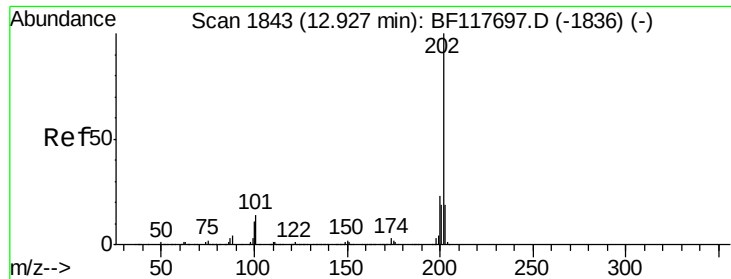
Abundance

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





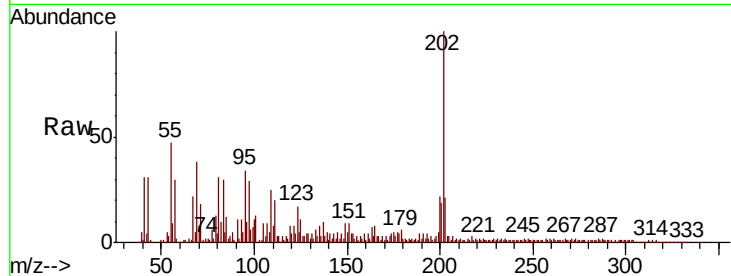
#78
Pvrene
Concen: 9.632 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF117740.D
Acq: 8 Nov 2019 19:23

Instrument :
BNA_F
ClientSampleId :
2-C

Tot Ion	Ratio	Resp	Lower	Upper
202	100	518129		
200	21.7		18.8	28.2
203	21.1		15.2	22.8

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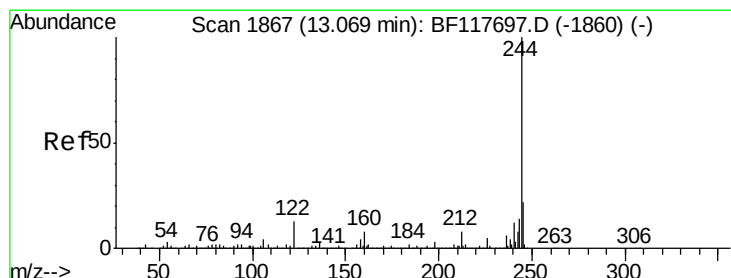
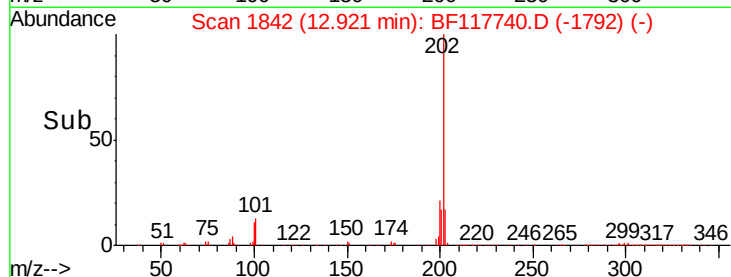
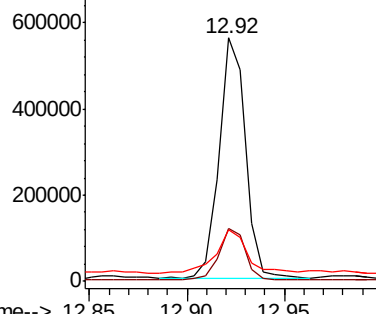


Abundance

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: 63.065 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.00 min
Lab File: BF117740.D
Acq: 8 Nov 2019 19:23

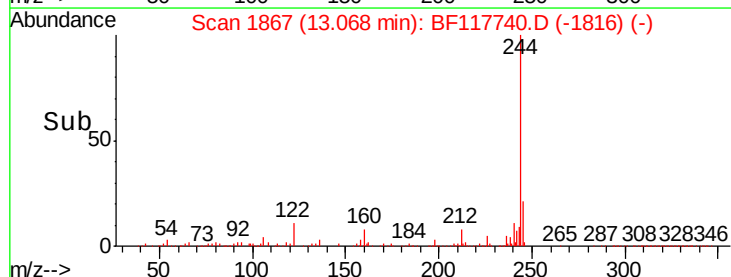
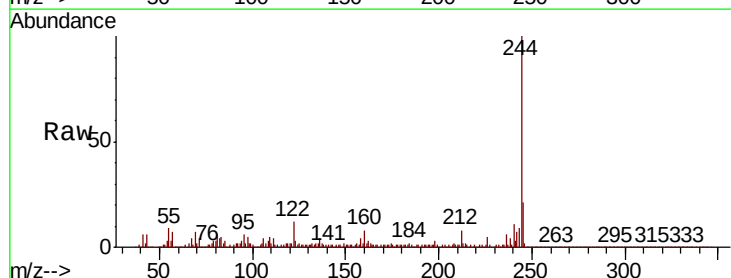
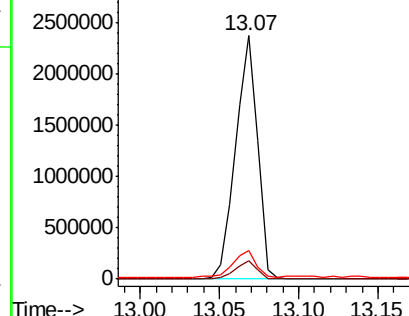
Tgt Ion	Ratio	Resp	Lower	Upper
244	100	2257456		
212	7.8		6.4	9.6
122	11.8		10.0	15.0

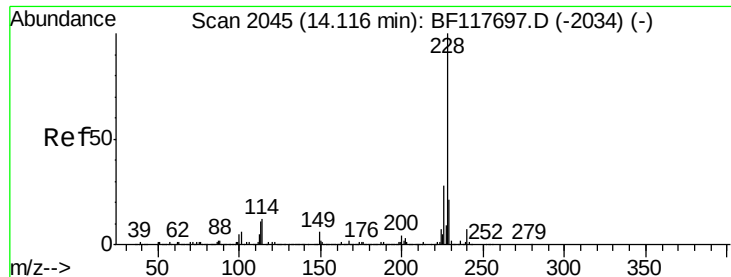
Abundance

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: 5.436 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF117740.D

Acq: 8 Nov 2019 19:23

Instrument :

BNA_F

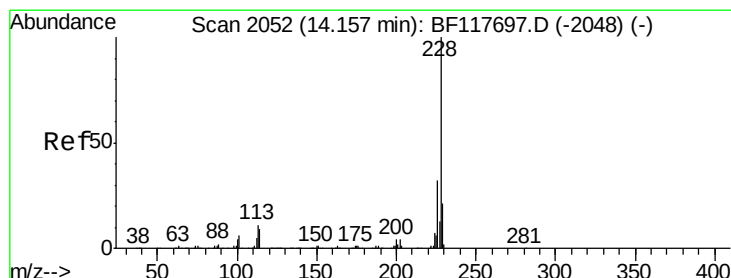
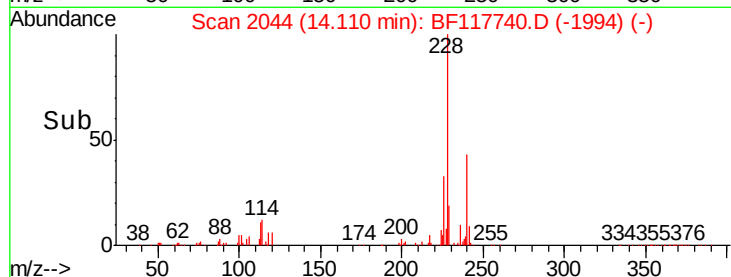
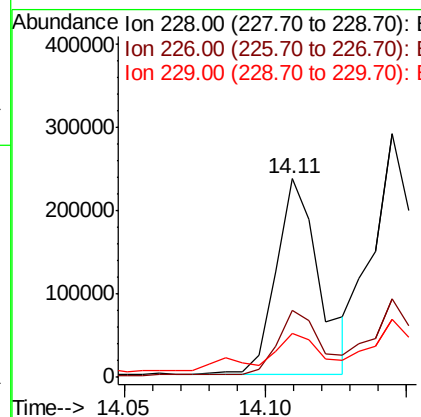
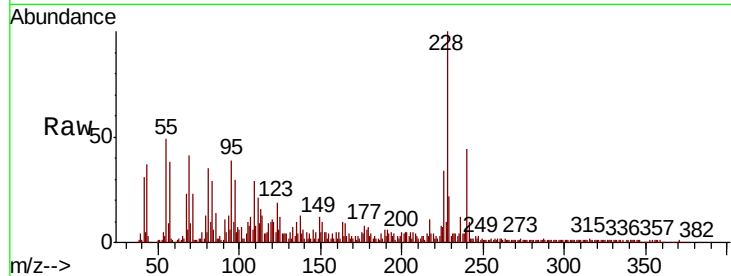
ClientSampleId :

2-C

Tot Ion:	228	Resp:	249352
Ion Ratio	Lower	Upper	
228	100		
226	34.1	22.8	34.2
229	22.2	16.9	25.3

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#83

Chrysene

Concen: 6.180 ng

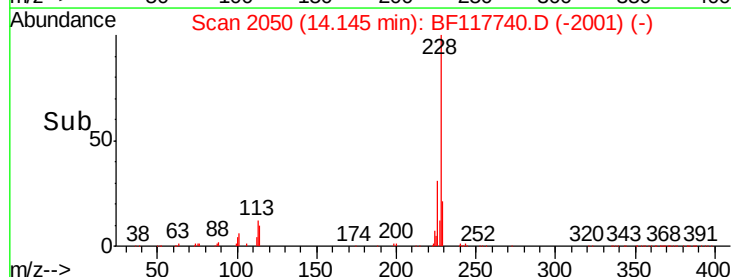
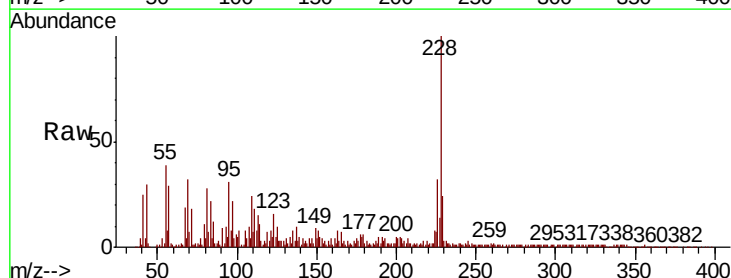
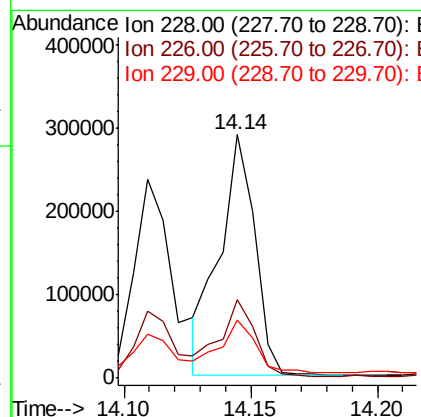
RT: 14.14 min Scan# 2050

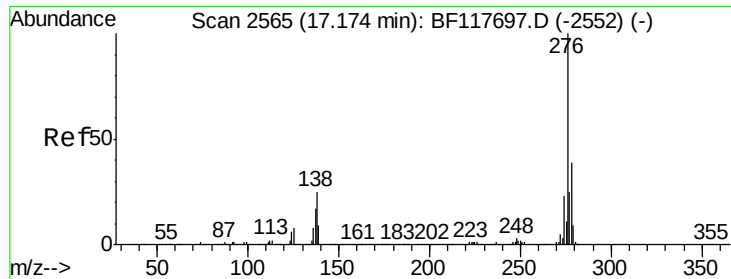
Delta R.T. -0.01 min

Lab File: BF117740.D

Acq: 8 Nov 2019 19:23

Tgt Ion:	228	Resp:	279949
Ion Ratio	Lower	Upper	
228	100		
226	32.0	25.4	38.2
229	23.9	16.6	24.8





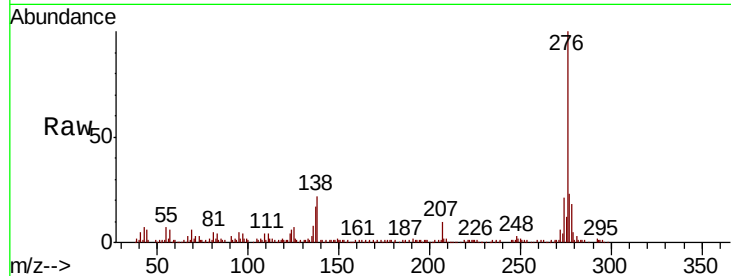
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.221 ng
RT: 17.14 min Scan# 2560
Delta R.T. -0.03 min
Lab File: BF117740.D
Acq: 8 Nov 2019 19:23

Instrument :
BNA_F
ClientSampleId :
2-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.1	22.4	33.6
277	24.3	20.6	30.8

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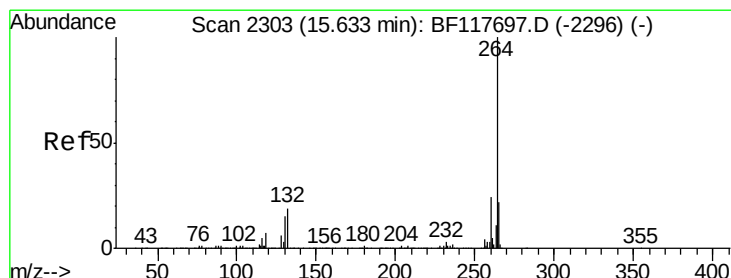
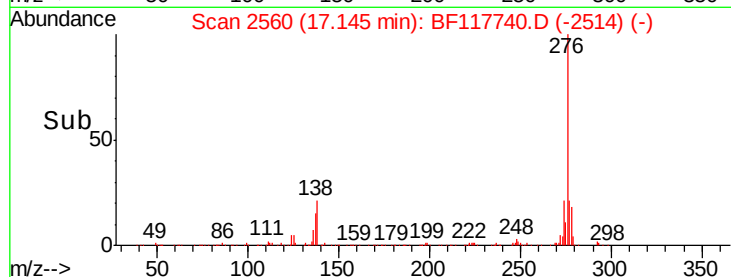
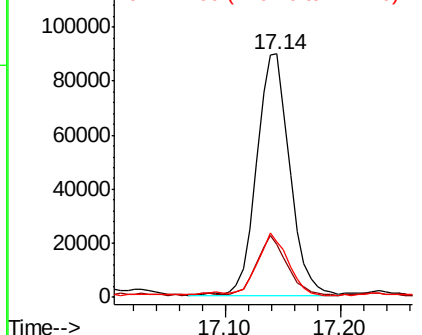


Abundance

Ion 276.00 (275.70 to 276.70): E

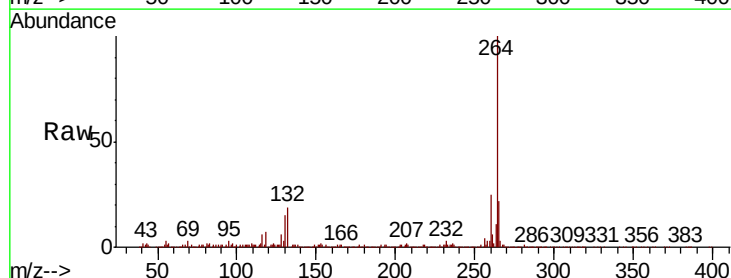
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BF117740.D
Acq: 8 Nov 2019 19:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.8	28.2
265	22.1	17.7	26.5

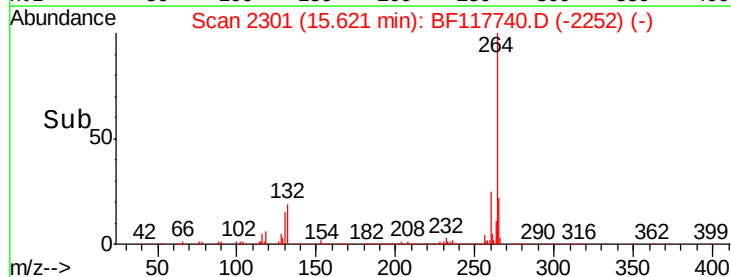
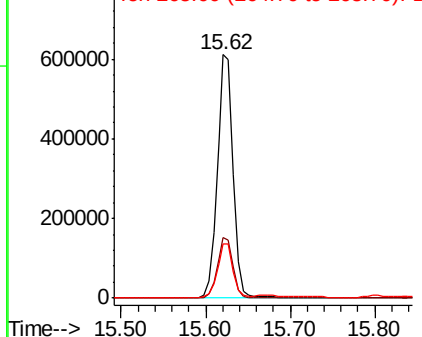


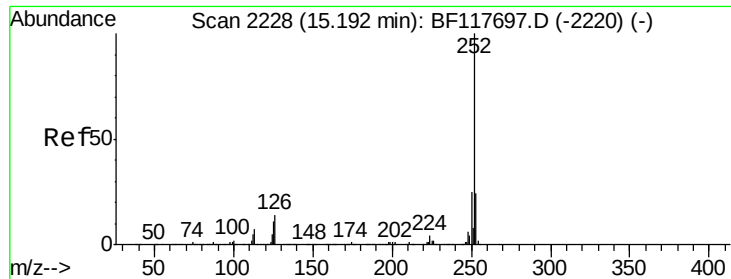
Abundance

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





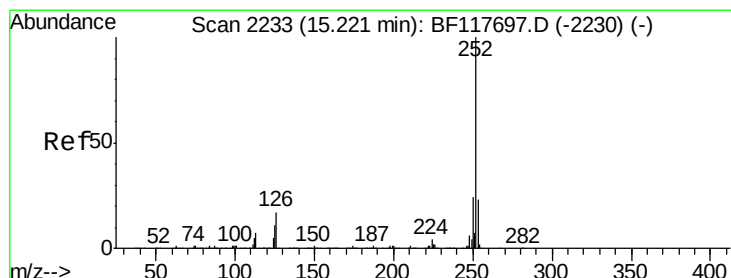
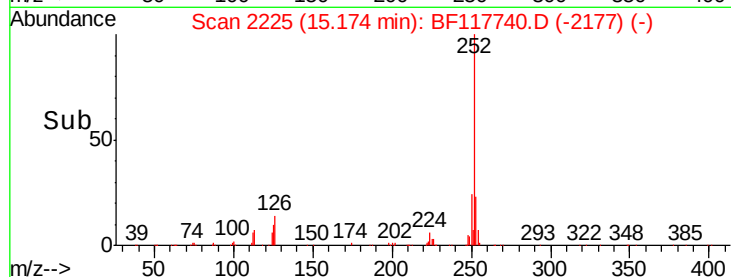
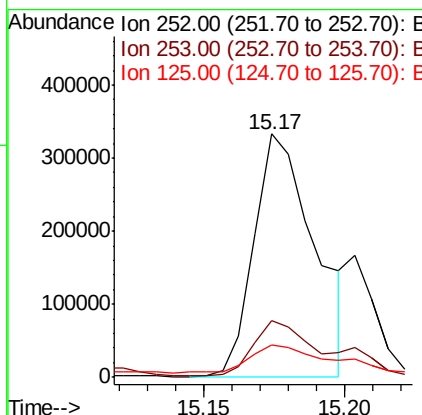
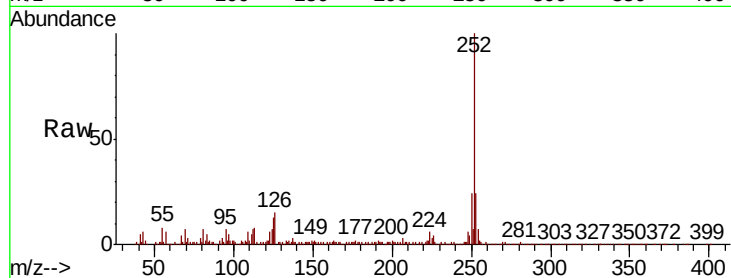
#88
Benzo(b)fluoranthene
Concen: 9.846 ng m
RT: 15.17 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BF117740.D
Acq: 8 Nov 2019 19:23

Instrument :
BNA_F
ClientSampleId :
2-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.9	28.3
125	13.3	8.5	12.7

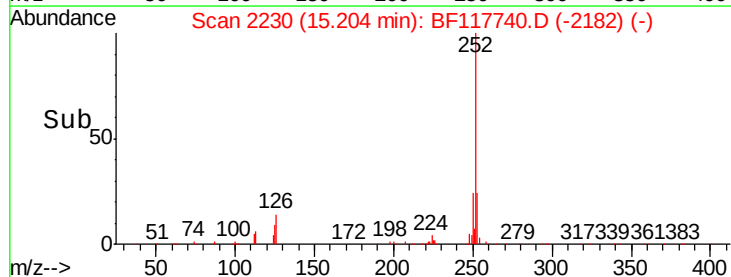
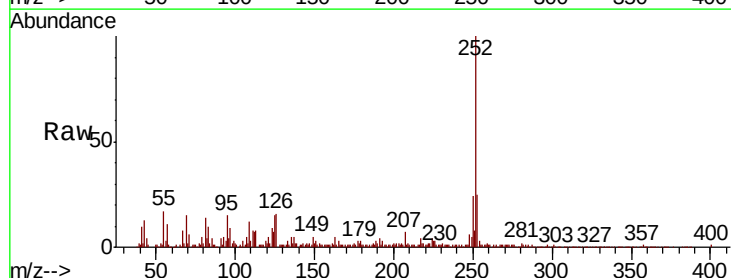
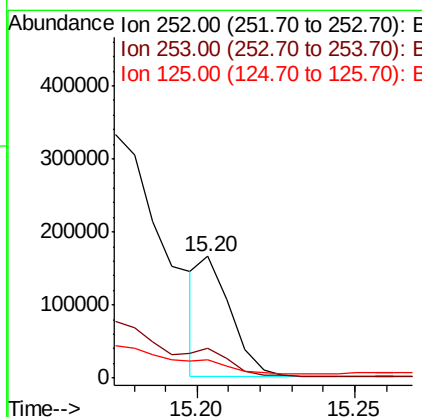
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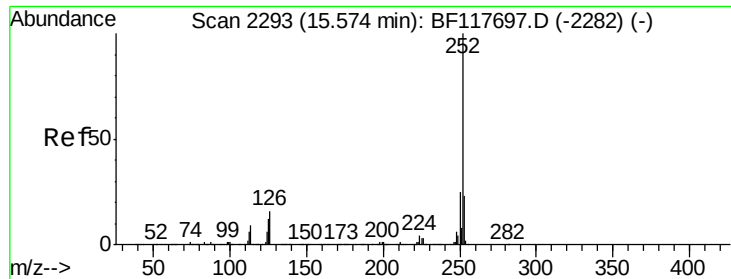
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#89
Benzo(k)fluoranthene
Concen: 2.513 ng m
RT: 15.20 min Scan# 2230
Delta R.T. -0.02 min
Lab File: BF117740.D
Acq: 8 Nov 2019 19:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	14.6	9.1	13.7





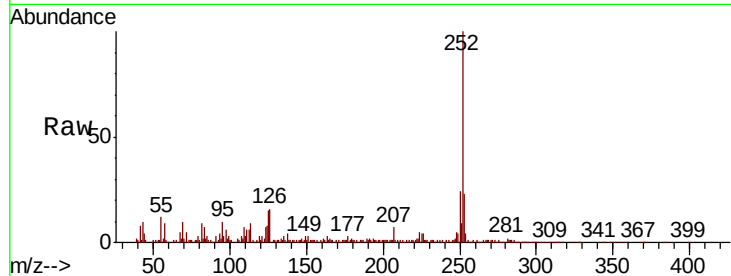
#90
Benzo(a)pyrene
Concen: 4.391 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.02 min
Lab File: BF117740.D
Acq: 8 Nov 2019 19:23

Instrument :
BNA_F
ClientSampled :
2-C

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.6	18.0	27.0
125	14.8	9.5	14.3

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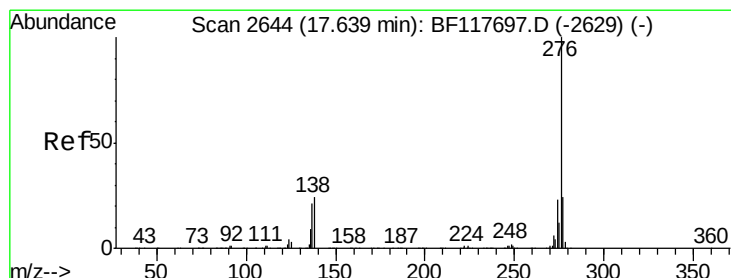
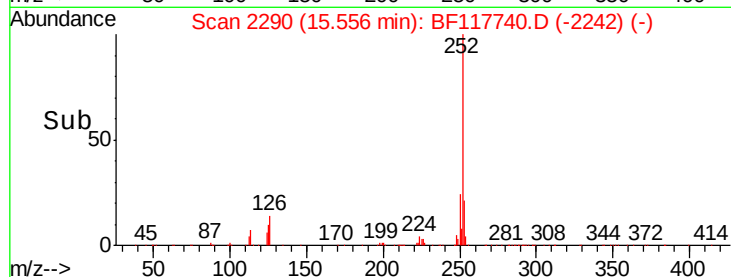
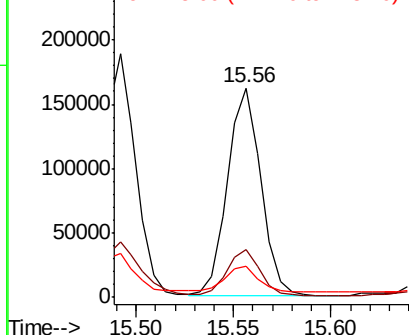


Abundance

Ion 252.00 (251.70 to 252.70): E

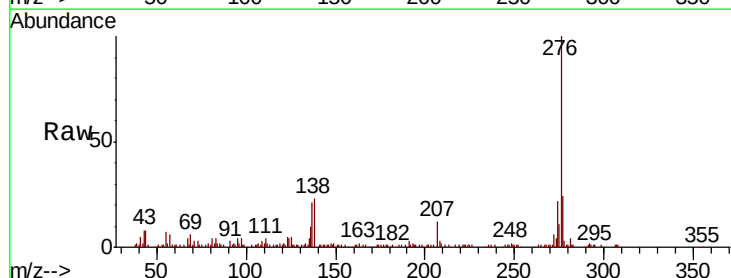
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.156 ng
RT: 17.60 min Scan# 2638
Delta R.T. -0.04 min
Lab File: BF117740.D
Acq: 8 Nov 2019 19:23

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	24.2	19.4	29.0
138	22.8	19.2	28.8



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

