

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
 Data File : BF117735.D
 Acq On : 8 Nov 2019 17:09
 Operator : JU
 Sample : K5722-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2-B

Manual Integrations
 APPROVED

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

Quant Time: Nov 09 02:34:02 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	340086	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	1336989	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	734169	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	1273120	20.00	ng	0.00
76) Chrysene-d12	14.12	240	785555	20.00	ng	0.00
87) Perylene-d12	15.63	264	805110	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	1821924	96.97	ng	0.00
7) Phenol-d6	6.55	99	2356955	101.74	ng	-0.01
23) Nitrobenzene-d5	7.49	82	1438620	63.53	ng	-0.02
42) 2,4,6-Tribromophenol	10.77	330	706066	98.31	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	2479628	66.64	ng	-0.01
79) Terphenyl-d14	13.06	244	2464789	64.59	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.56	94	81966	3.284	ng	99
50) Dimethylphthalate	9.69	163	333780	6.725	ng	98
71) Phenanthrene	11.49	178	423750	6.944	ng	97
75) Fluoranthene	12.69	202	805336	12.925	ng	97
78) Pyrene	12.92	202	882477	15.389	ng	97
81) Benzo(a)anthracene	14.11	228	349829	7.154	ng	94
83) Chrysene	14.14	228	419998	8.698	ng	97
86) Indeno(1,2,3-cd)pyrene	17.14	276	206581	4.596	ng	93
88) Benzo(b)fluoranthene	15.18	252	544296m	10.734	ng	
89) Benzo(k)fluoranthene	15.20	252	143130m	3.165	ng	
90) Benzo(a)pyrene	15.56	252	242469	5.516	ng	98
92) Benzo(a,h,i)perylene	17.61	276	188617	4.937	ng	97

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

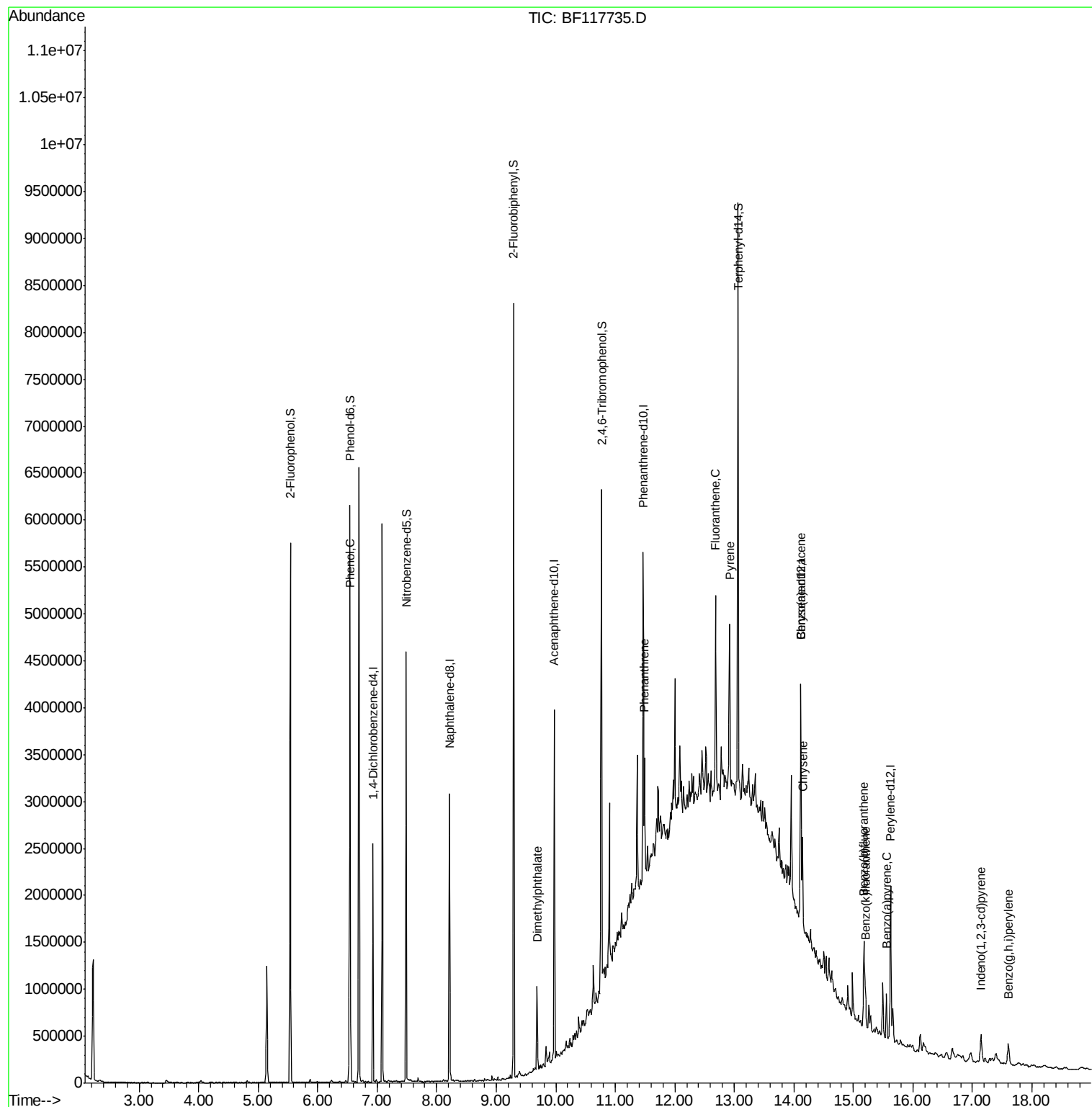
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
Data File : BF117735.D
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Misc :
ALS Vial : 8 Sample Multiplier: 1

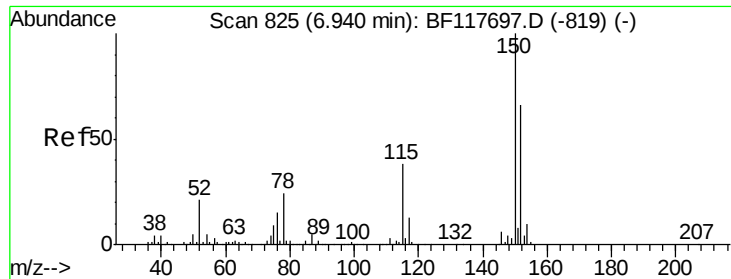
Instrument :
BNA_F
ClientSampled :
2-B

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#1

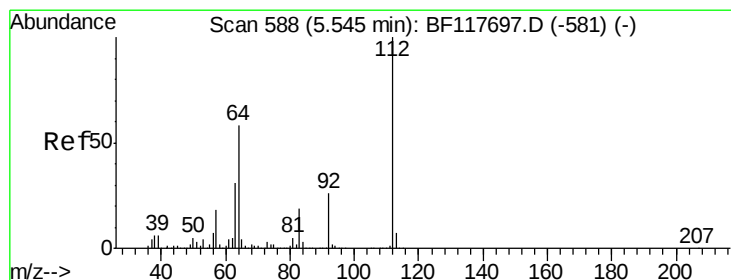
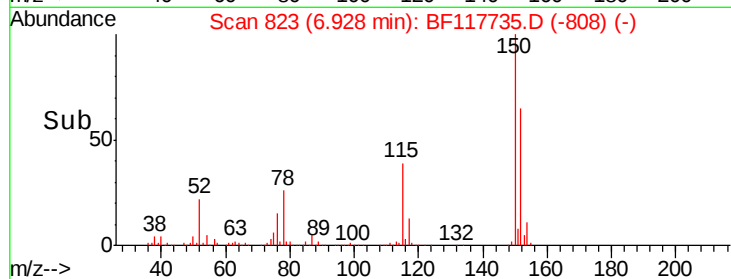
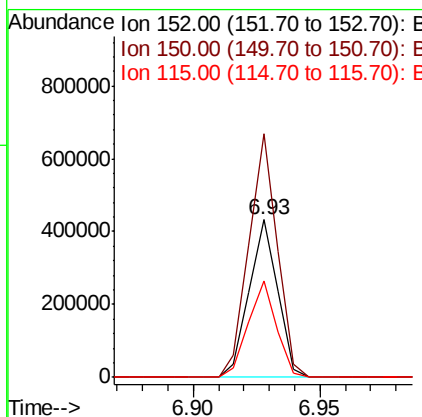
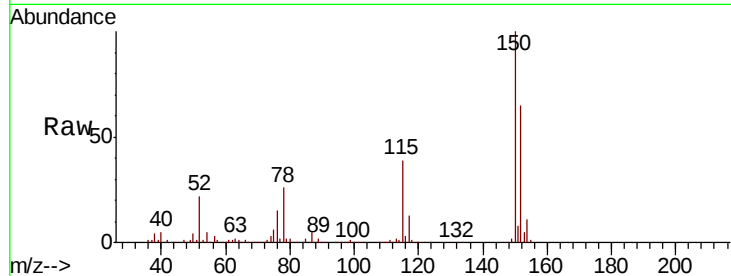
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Instrument :
BNA_F
ClientSampleId :
2-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	121.4	182.2
115	60.8	46.7	70.1

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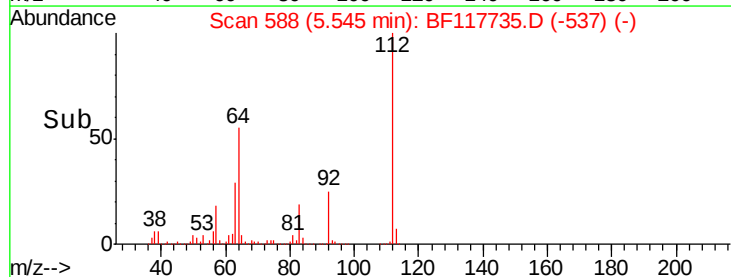
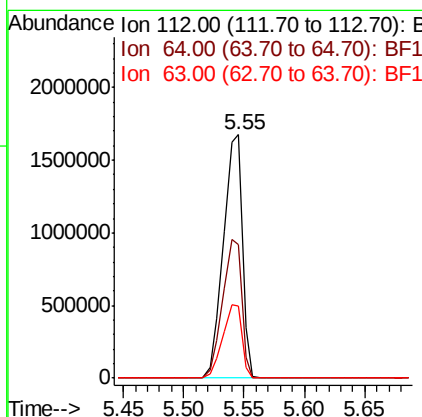
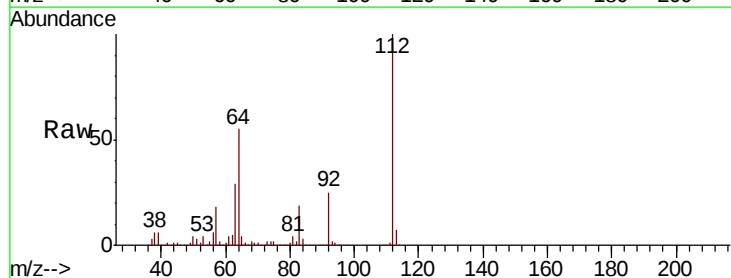
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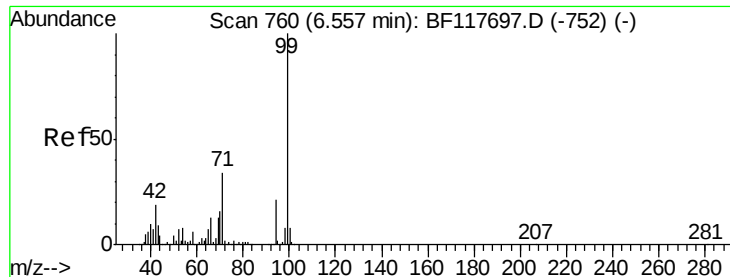


#5

2-Fluorophenol
Concen: 96.974 ng
RT: 5.55 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	46.4	69.6
63	29.5	24.6	37.0





#7

Phenol-d6

Concen: 101.743 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117735.D

Acq: 8 Nov 2019 17:09

Instrument :

BNA_F

ClientSampled :

2-B

Tot Ion: 99 Resp: 2356955

Ion Ratio Lower Upper

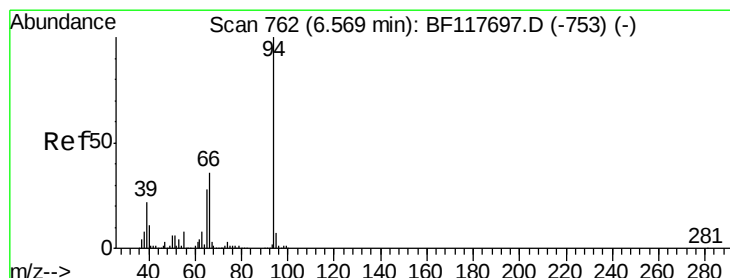
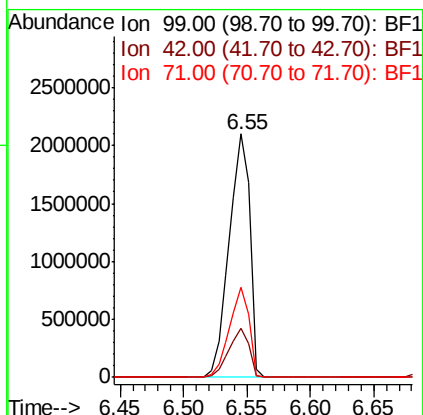
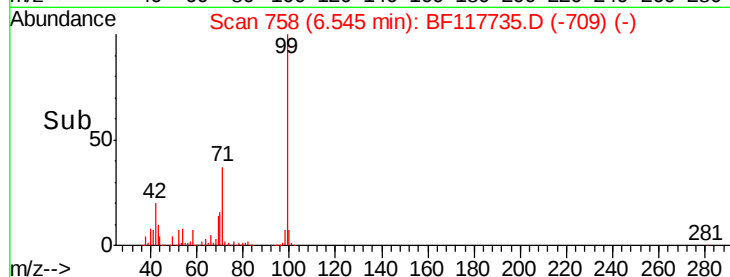
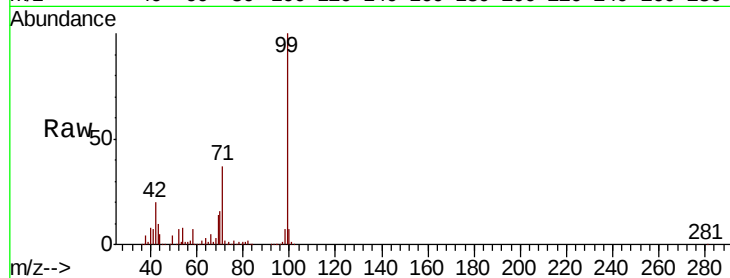
99 100

42 20.4 15.3 22.9

71 36.7 26.8 40.2

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#10

Phenol

Concen: 3.284 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF117735.D

Acq: 8 Nov 2019 17:09

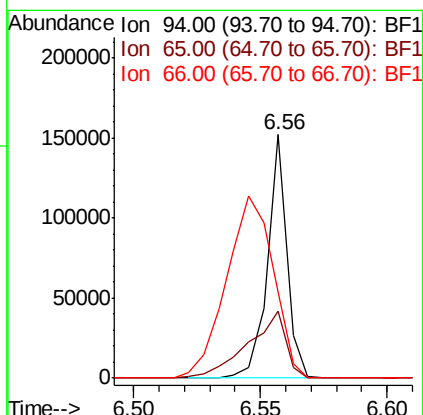
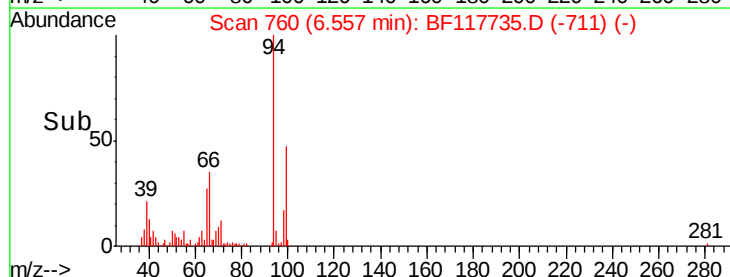
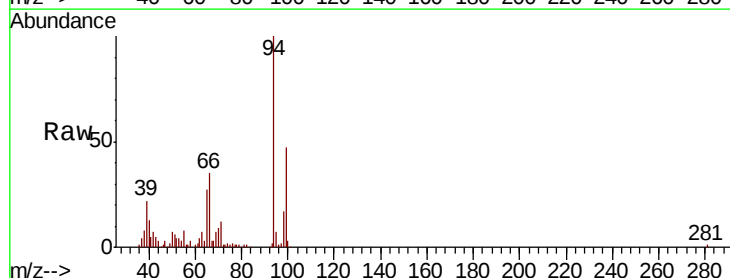
Tgt Ion: 94 Resp: 81966

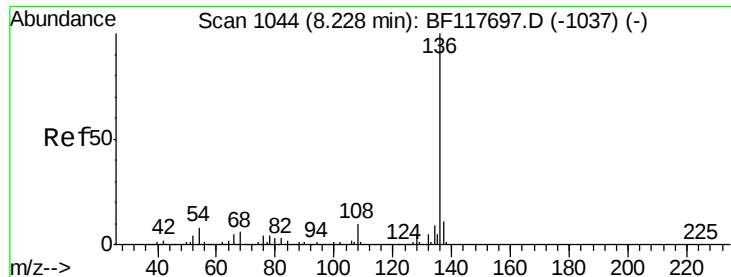
Ion Ratio Lower Upper

94 100

65 27.3 7.6 47.6

66 35.1 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: BF117735.D

Acq: 8 Nov 2019 17:09

Instrument :

BNA_F

ClientSampleId :

2-B

Tot Ion:136 Resp: 1336989

Ion Ratio Lower Upper

136 100

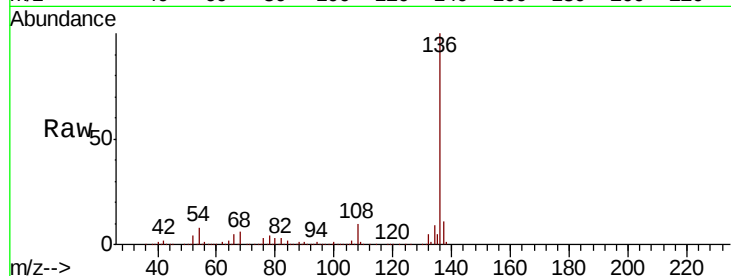
137 11.2 8.8 13.2

54 7.5 6.0 9.0

68 5.7 4.8 7.2

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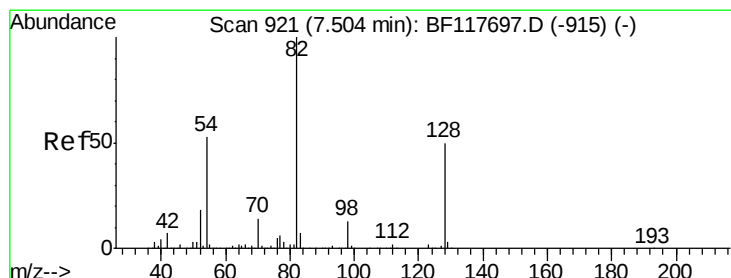
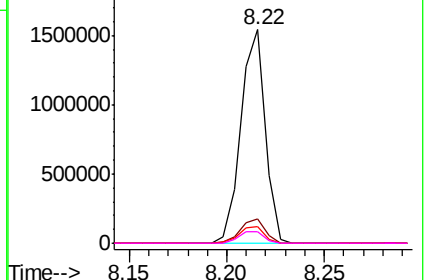
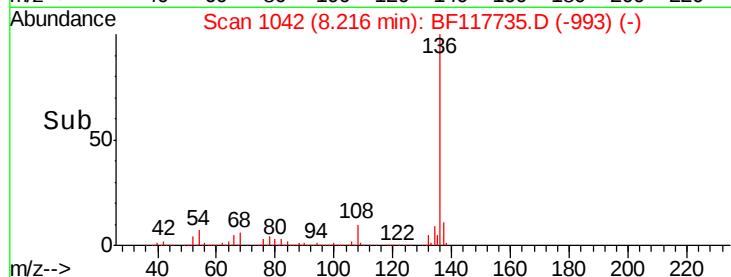


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.527 ng

RT: 7.49 min Scan# 918

Delta R.T. -0.02 min

Lab File: BF117735.D

Acq: 8 Nov 2019 17:09

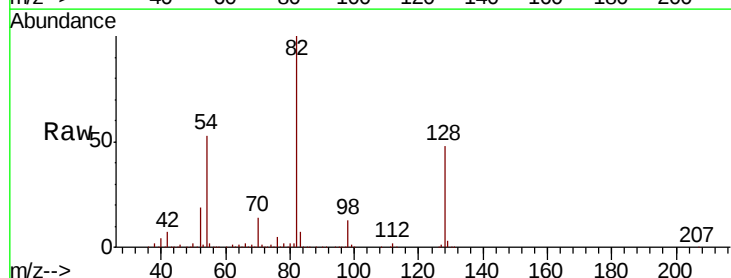
Tgt Ion: 82 Resp: 1438620

Ion Ratio Lower Upper

82 100

128 47.8 40.2 60.2

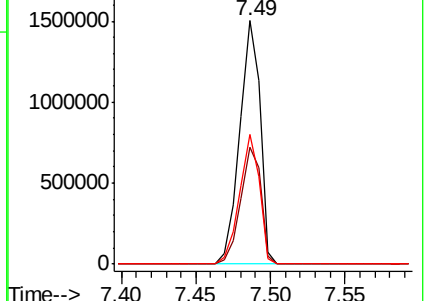
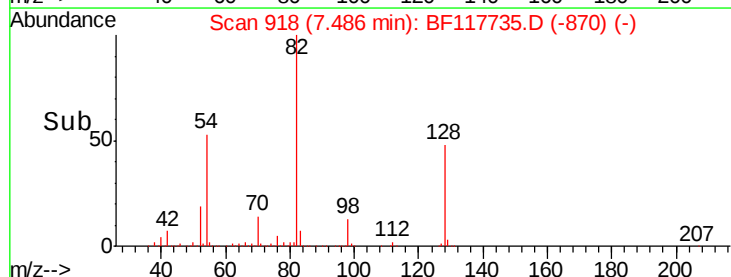
54 53.1 42.0 63.0

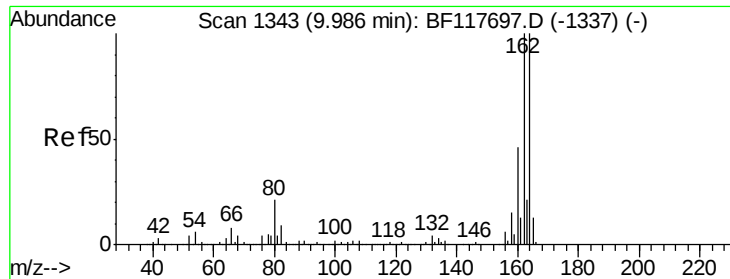


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





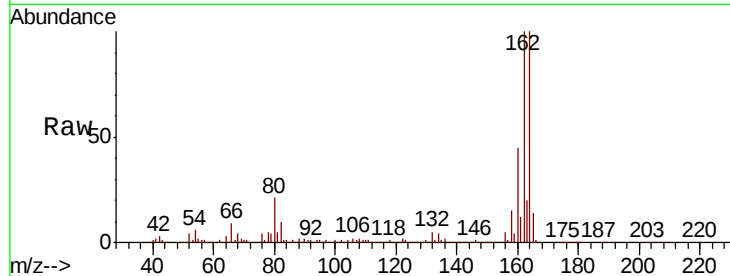
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Instrument :
BNA_F
ClientSampleId :
2-B

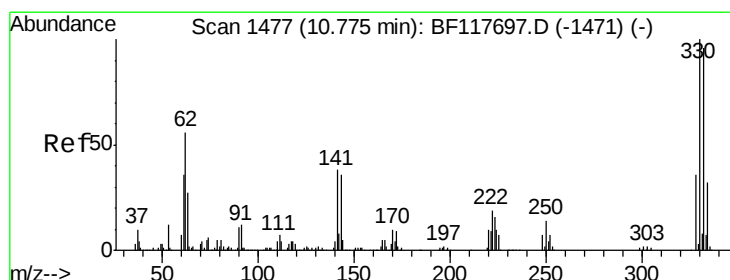
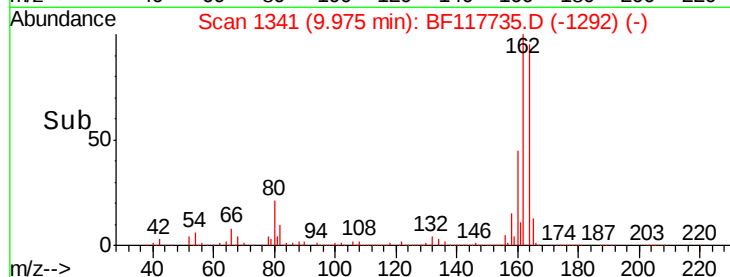
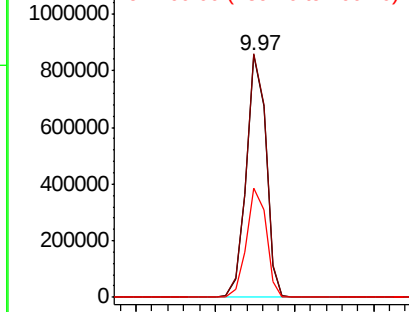
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.5	79.7	119.5
160	45.1	36.5	54.7

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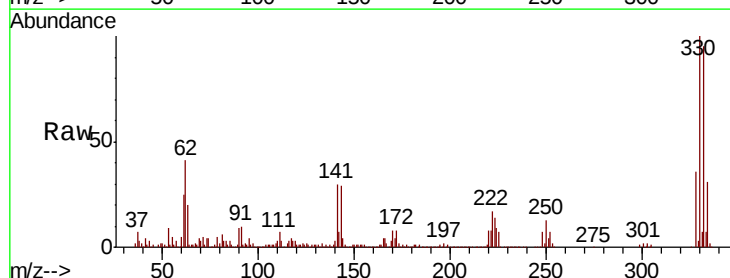


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

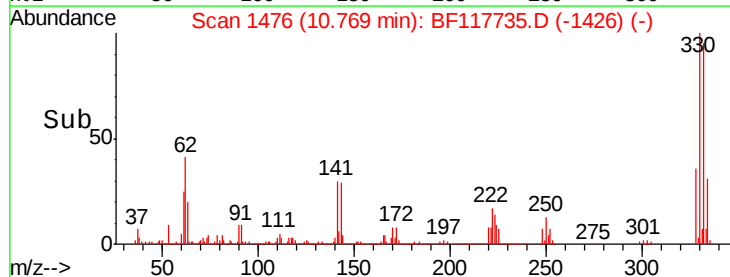
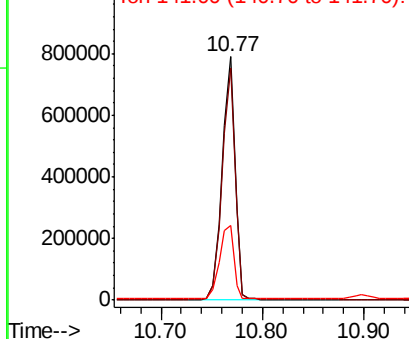


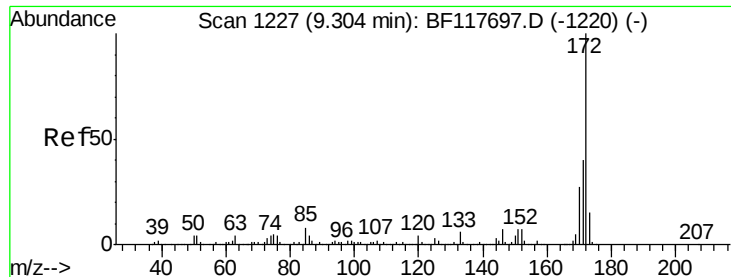
#42
2,4,6-Tribromophenol
Concen: 98.313 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.4	116.0
141	33.4	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





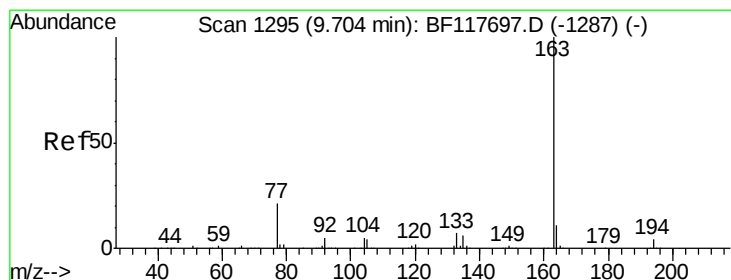
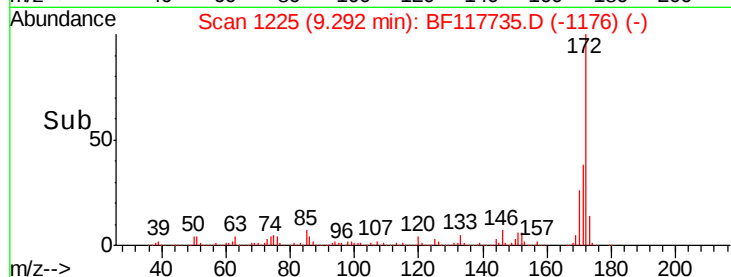
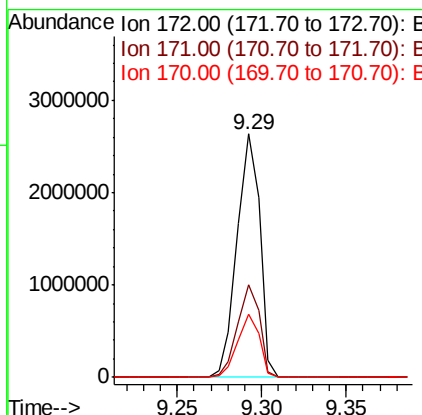
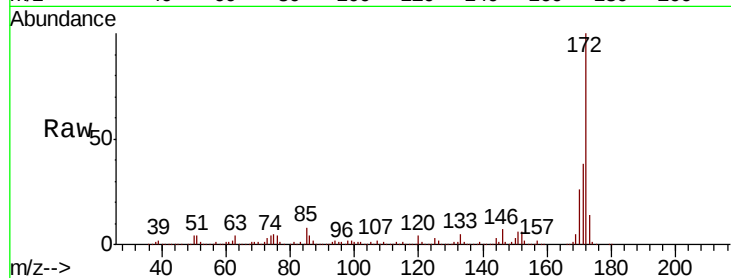
#45
2-Fluorobiphenyl
Concen: 66.638 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Instrument :
BNA_F
ClientSampleId :
2-B

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.0	31.8	47.8
170	25.7	21.6	32.4

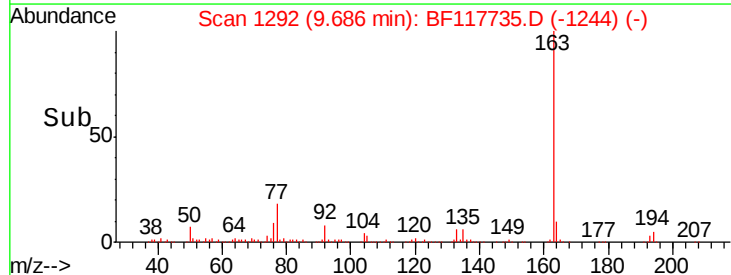
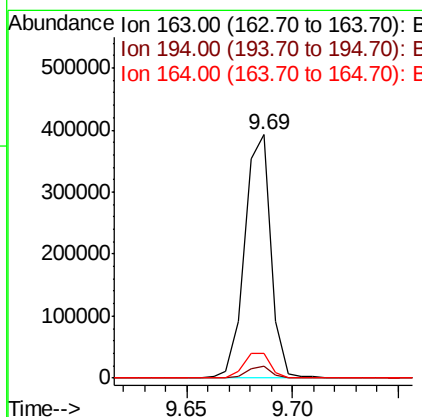
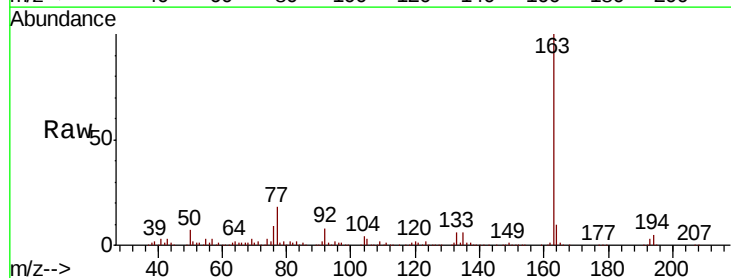
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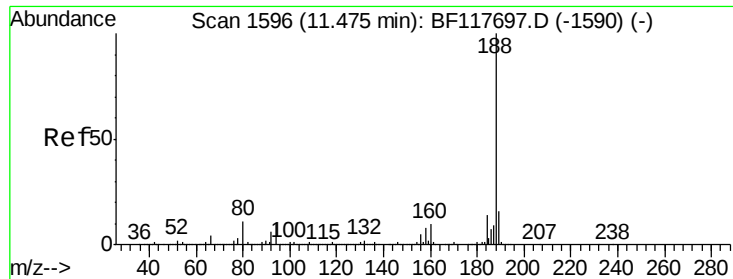
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#50
Dimethylphthalate
Concen: 6.725 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.0
164	10.1	8.9	13.3





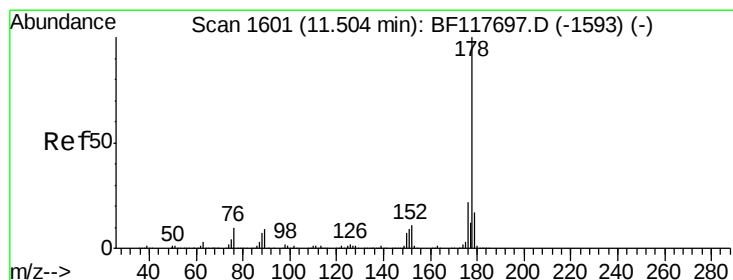
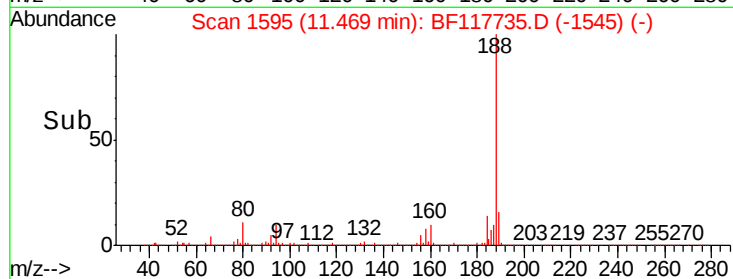
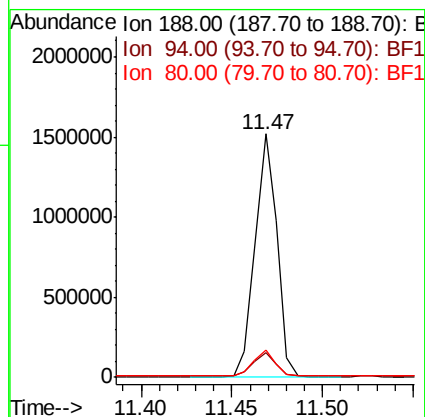
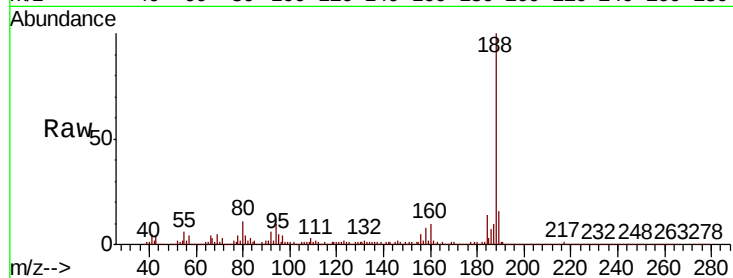
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Instrument :
BNA_F
ClientSampleId :
2-B

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.2	12.4
80	11.0	8.6	13.0

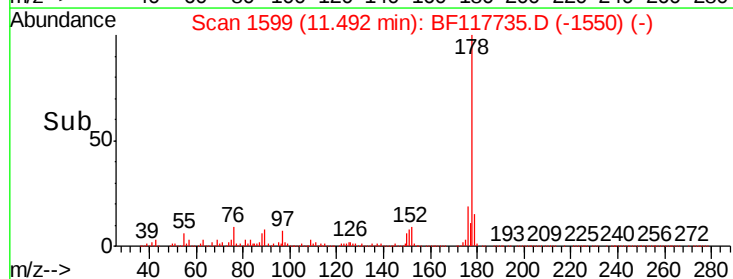
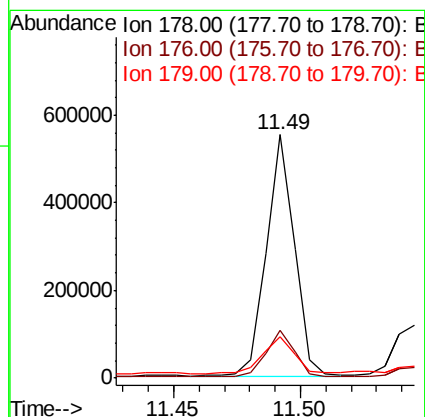
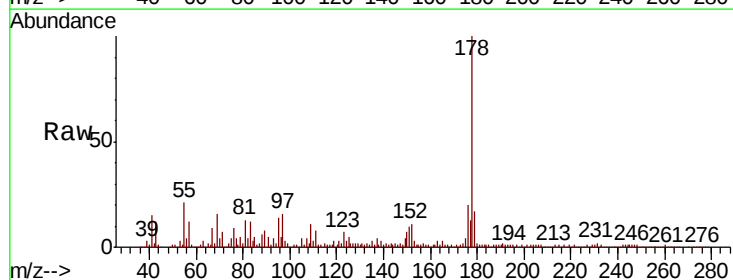
Manual Integrations
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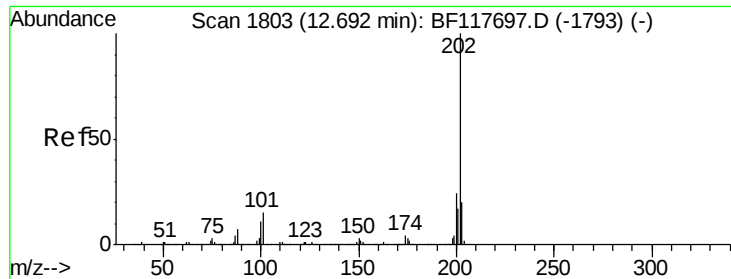
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#71
Phenanthrene
Concen: 6.944 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	17.7	26.5
179	17.1	13.8	20.8





#75

Fluoranthene

Concen: 12.925 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF117735.D

Acq: 8 Nov 2019 17:09

Instrument :

BNA_F

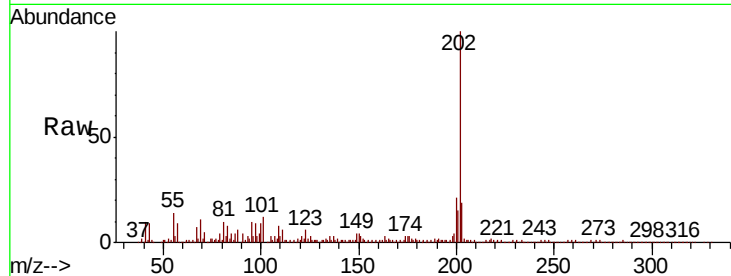
ClientSampleId :

2-B

Tot Ion	Ratio	Resp	Lower	Upper
202	100	805336		
101	12.5		0.0	34.5
203	18.8		0.0	39.8

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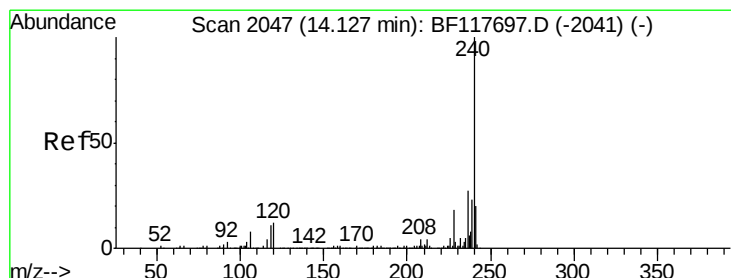
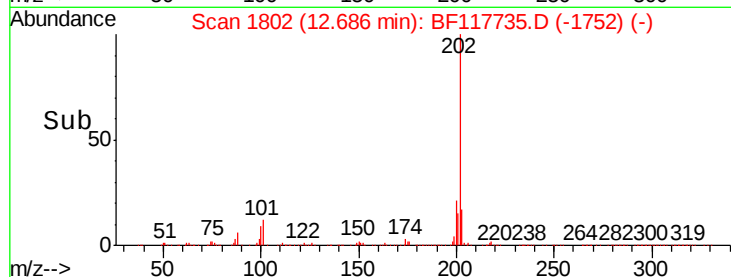
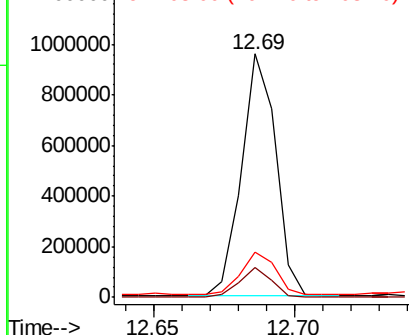


Abundance

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

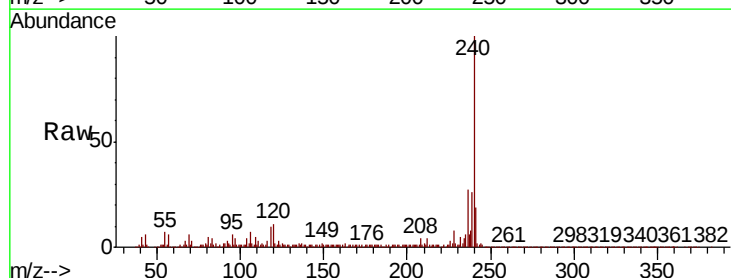
RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF117735.D

Acq: 8 Nov 2019 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	785555		
120	11.0		9.7	14.5
236	27.4		21.9	32.9

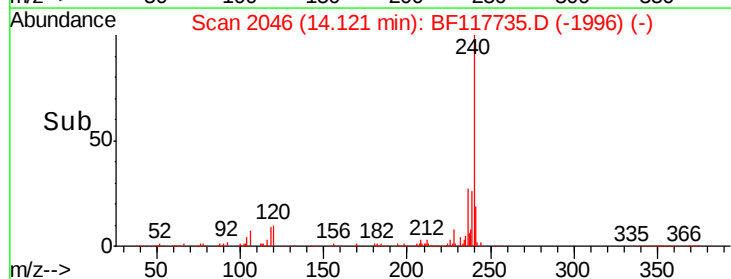
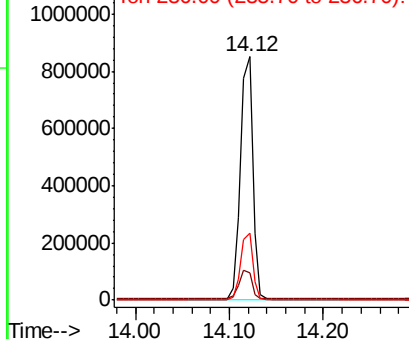


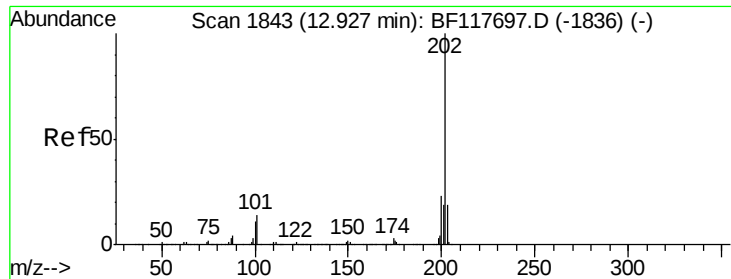
Abundance

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: 15.389 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF117735.D

Acq: 8 Nov 2019 17:09

Instrument :

BNA_F

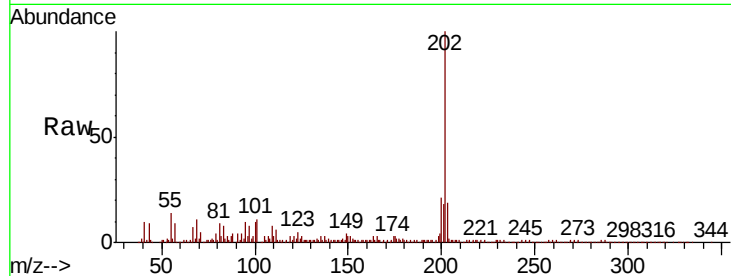
ClientSampleId :

2-B

Tot Ion:	202	Resp:	882477
Ion Ratio	Lower	Upper	
202	100		
200	21.3	18.8	28.2
203	18.8	15.2	22.8

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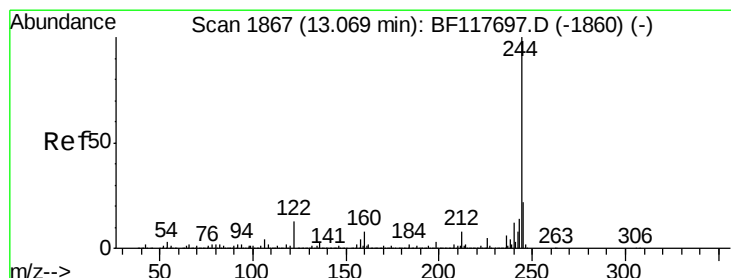
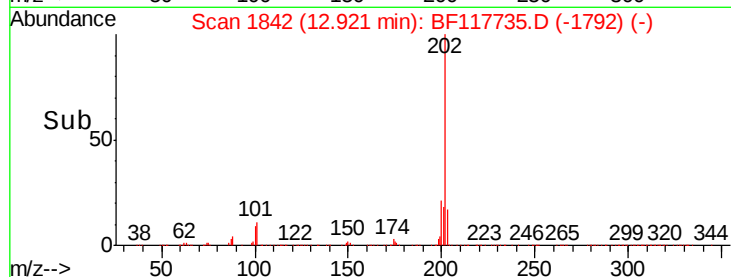
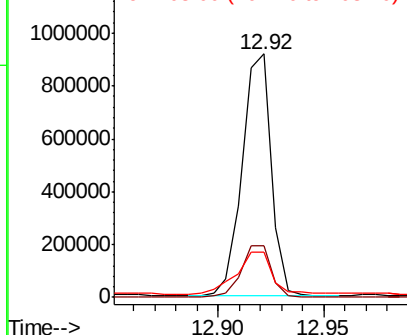


Abundance

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: 64.591 ng

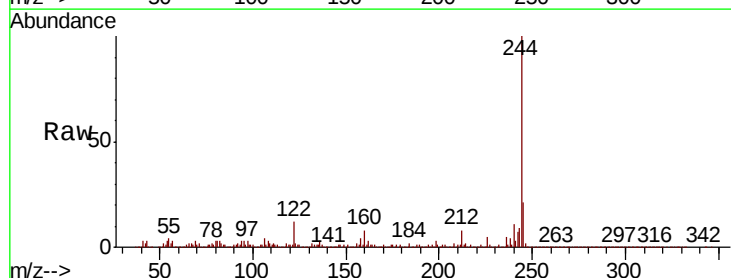
RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF117735.D

Acq: 8 Nov 2019 17:09

Tgt Ion:	244	Resp:	2464789
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.4	9.6
122	12.0	10.0	15.0

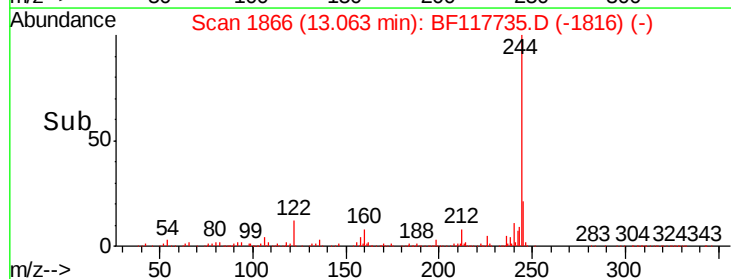
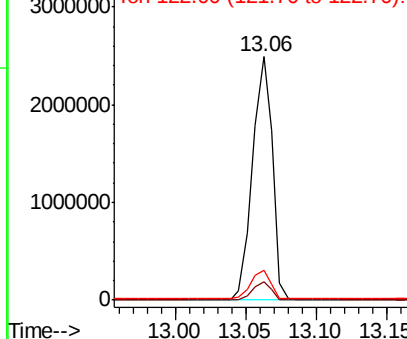


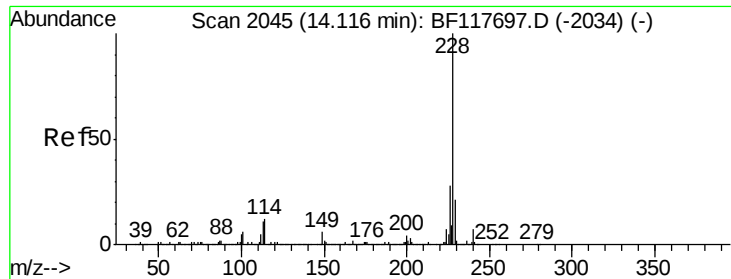
Abundance

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





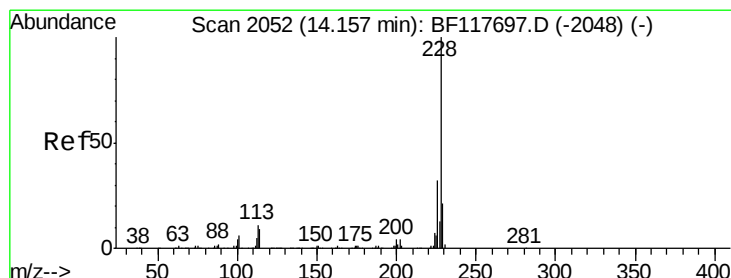
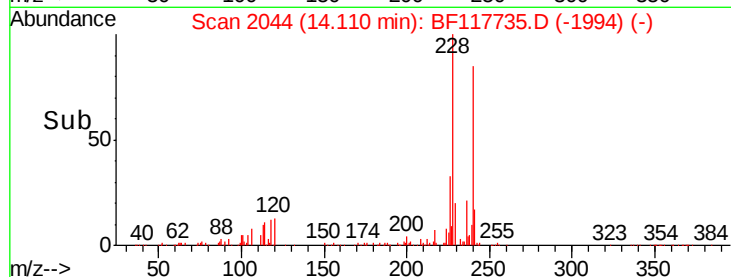
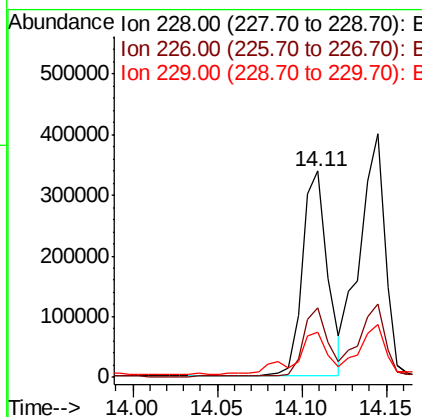
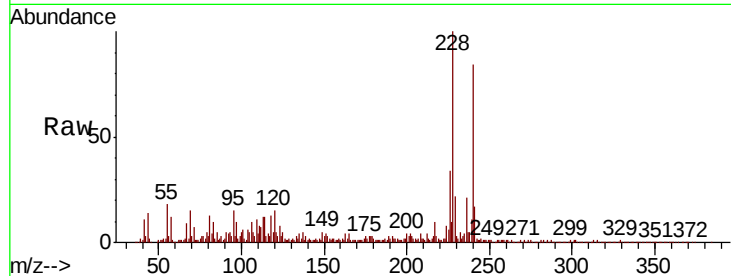
#81
Benzo(a)anthracene
Concen: 7.154 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Instrument :
BNA_F
ClientSampled :
2-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.6	22.8	34.2
229	22.1	16.9	25.3

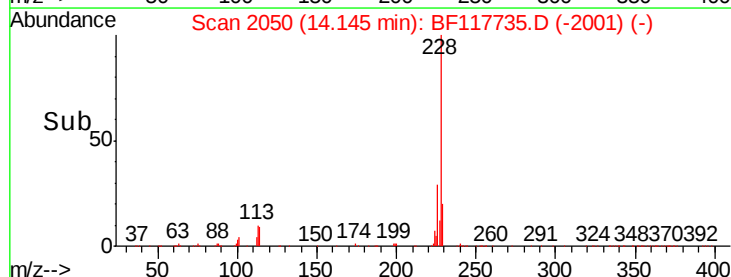
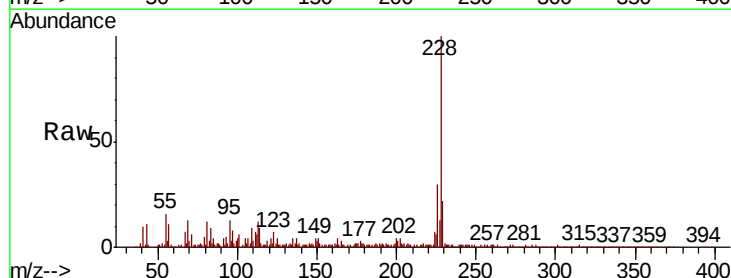
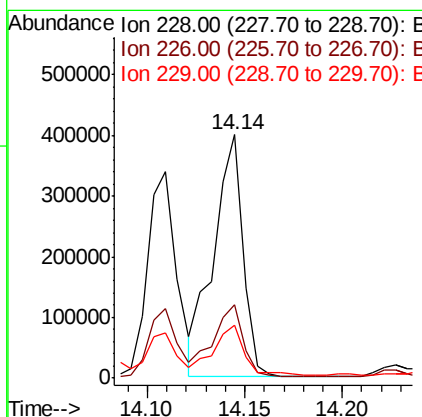
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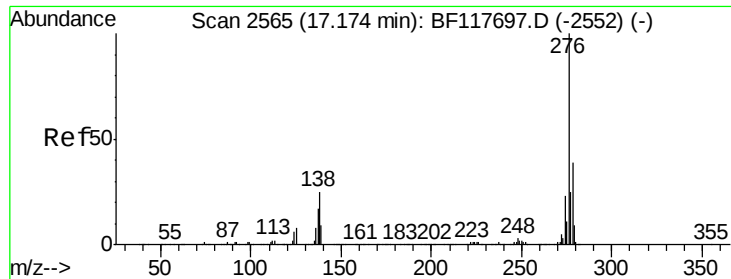
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#83
Chrysene
Concen: 8.698 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.4	38.2
229	21.6	16.6	24.8





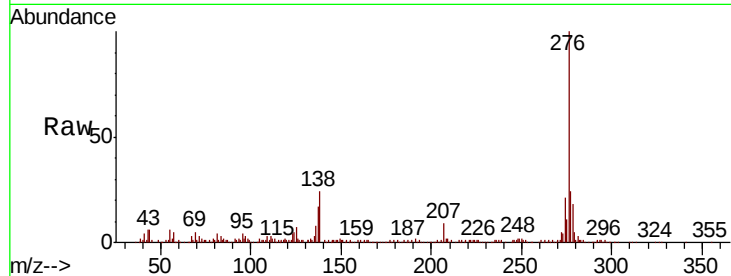
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.596 ng
RT: 17.14 min Scan# 2560
Delta R.T. -0.03 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Instrument :
BNA_F
ClientSampled :
2-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.5	22.4	33.6
277	24.3	20.6	30.8

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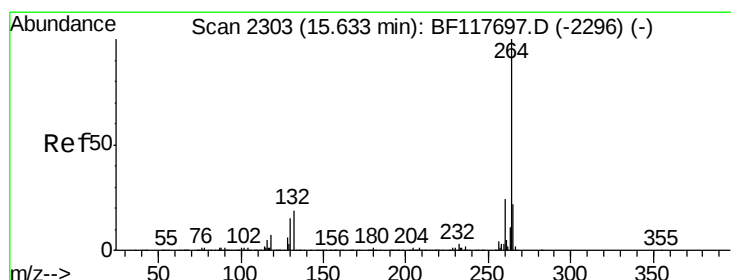
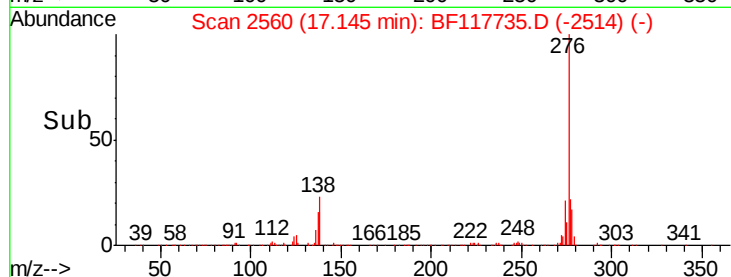
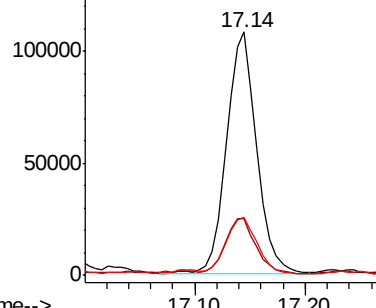


Abundance

Ion 276.00 (275.70 to 276.70): E

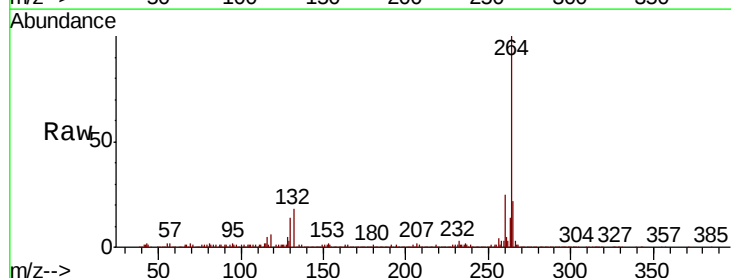
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.63 min Scan# 2302
Delta R.T. -0.01 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.8	28.2
265	22.5	17.7	26.5

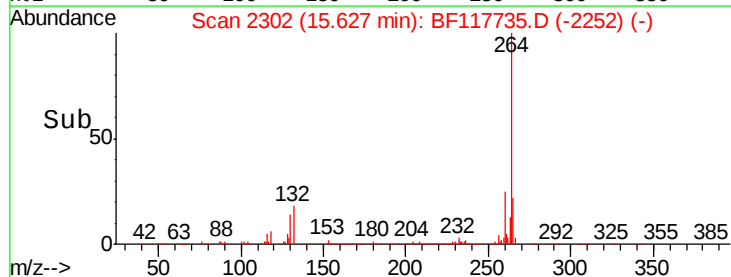
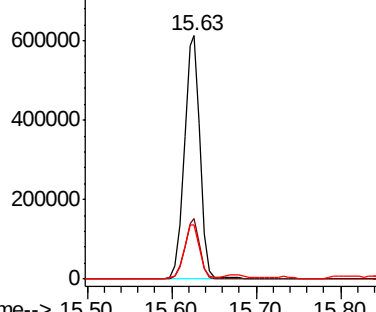


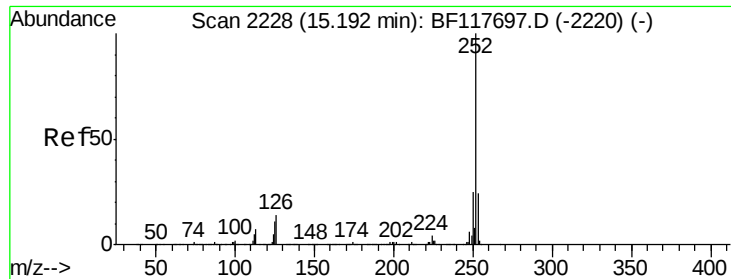
Abundance

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: 10.734 ng m

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF117735.D

Acq: 8 Nov 2019 17:09

Instrument :

BNA_F

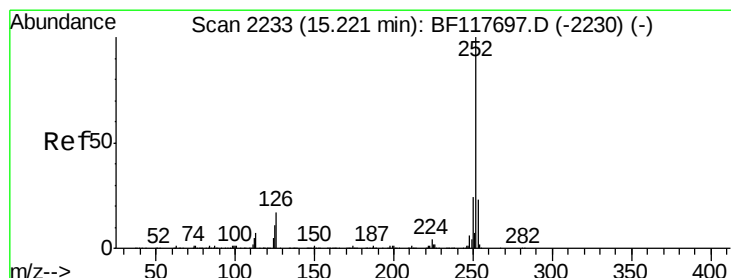
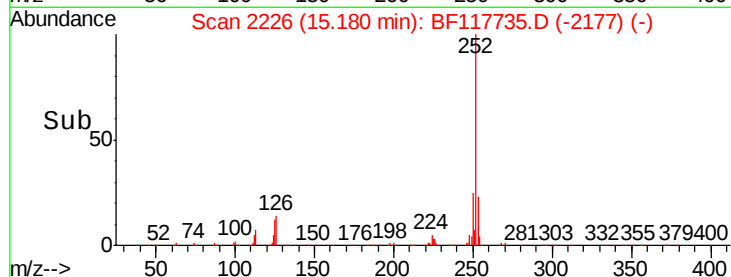
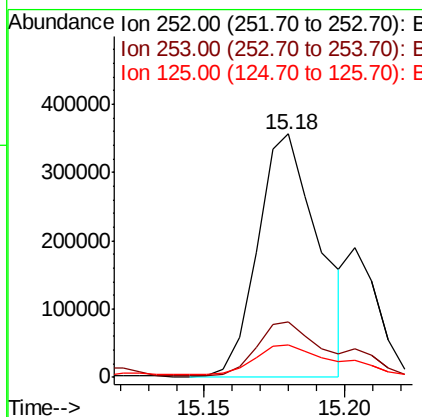
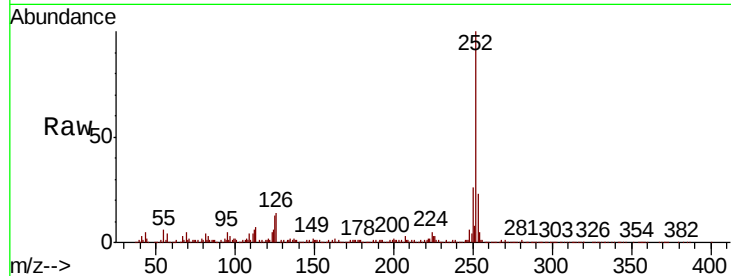
ClientSampleId :

2-B

Tot Ion:	252	Resp:	544296
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.9	28.3
125	13.4	8.5	12.7

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#89

Benzo(k)fluoranthene

Concen: 3.165 ng m

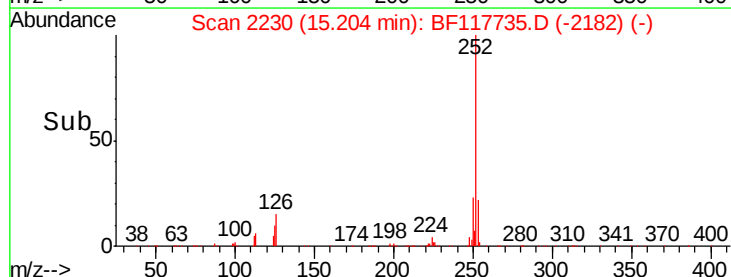
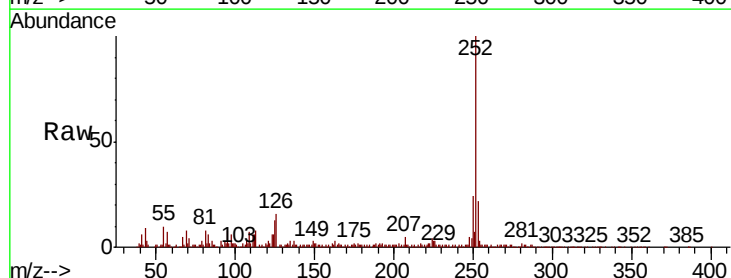
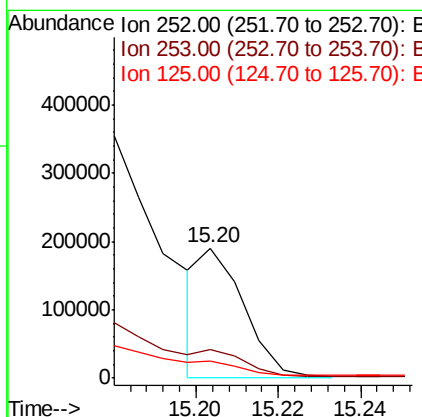
RT: 15.20 min Scan# 2230

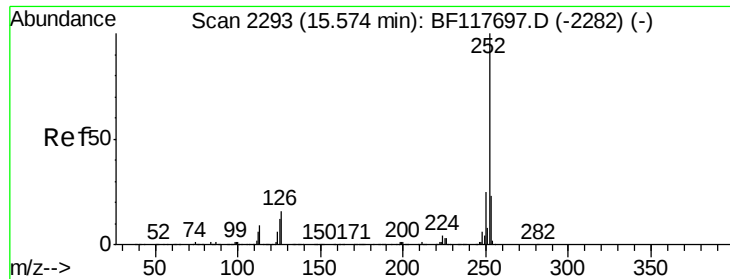
Delta R.T. -0.02 min

Lab File: BF117735.D

Acq: 8 Nov 2019 17:09

Tgt Ion:	252	Resp:	143130
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.9	26.9
125	13.1	9.1	13.7





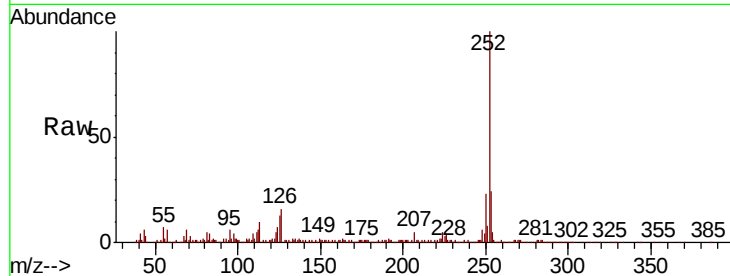
#90
Benzo(a)pyrene
Concen: 5.516 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.02 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Instrument :
BNA_F
ClientSampled :
2-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	12.7	9.5	14.3

Manual Integrations
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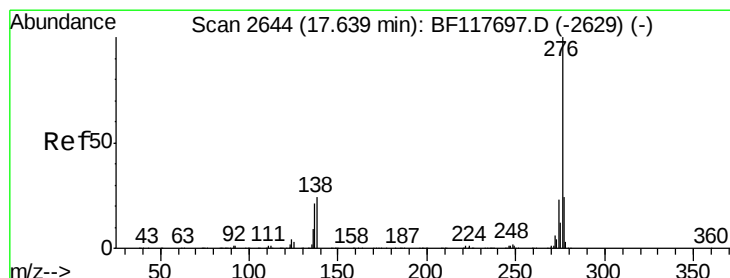
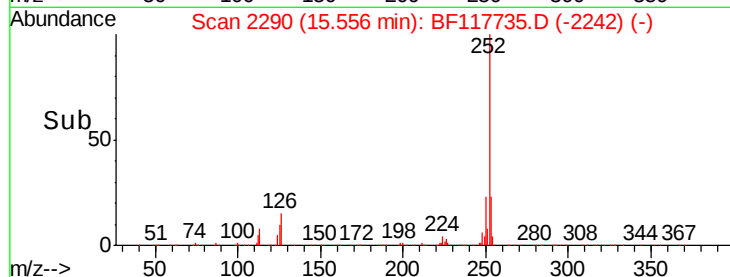
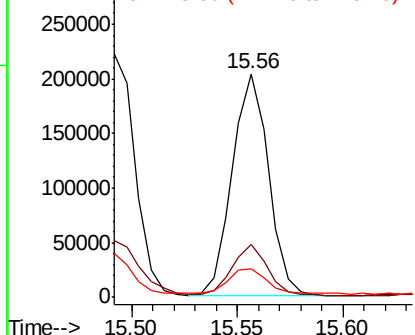


Abundance

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: 4.937 ng
RT: 17.61 min Scan# 2639
Delta R.T. -0.03 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.4	29.0
138	22.5	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

