

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116785.D
 Acq On : 3 Sep 2019 20:59
 Operator : HP/JU
 Sample : K4554-20 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-(12-14)

Manual Integrations
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mohammad
 9/6/2019 8:18:26 AM

Quant Time: Sep 04 07:15:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	115386	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	472813	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	243840	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	378892	20.00	ng	0.00
76) Chrysene-d12	13.99	240	286687	20.00	ng	0.00
87) Perylene-d12	15.45	264	276669	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	355899	49.97	ng	0.00
7) Phenol-d6	6.47	99	479611	51.28	ng	-0.01
23) Nitrobenzene-d5	7.40	82	282656	34.13	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	93577	57.40	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	508975	35.21	ng	-0.01
79) Terphenyl-d14	12.94	244	444423	28.68	ng	-0.01
Target Compounds						
10) Phenol	6.48	94	42271	4.082	ng	98
50) Dimethylphthalate	9.59	163	42102	2.501	ng	# 98
52) Acenaphthene	9.91	154	36047	2.648	ng	94
71) Phenanthrene	11.39	178	145084	6.879	ng	99
72) Anthracene	11.44	178	43074	2.029	ng	97
75) Fluoranthene	12.57	202	158145	7.630	ng	100
78) Pyrene	12.80	202	122658	4.813	ng	98
81) Benzo(a)anthracene	13.98	228	52234	2.879	ng	98
83) Chrysene	14.02	228	45481m	2.433	ng	
88) Benzo(b)fluoranthene	15.03	252	54486m	3.257	ng	
90) Benzo(a)pyrene	15.39	252	35280	2.424	ng	# 88

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

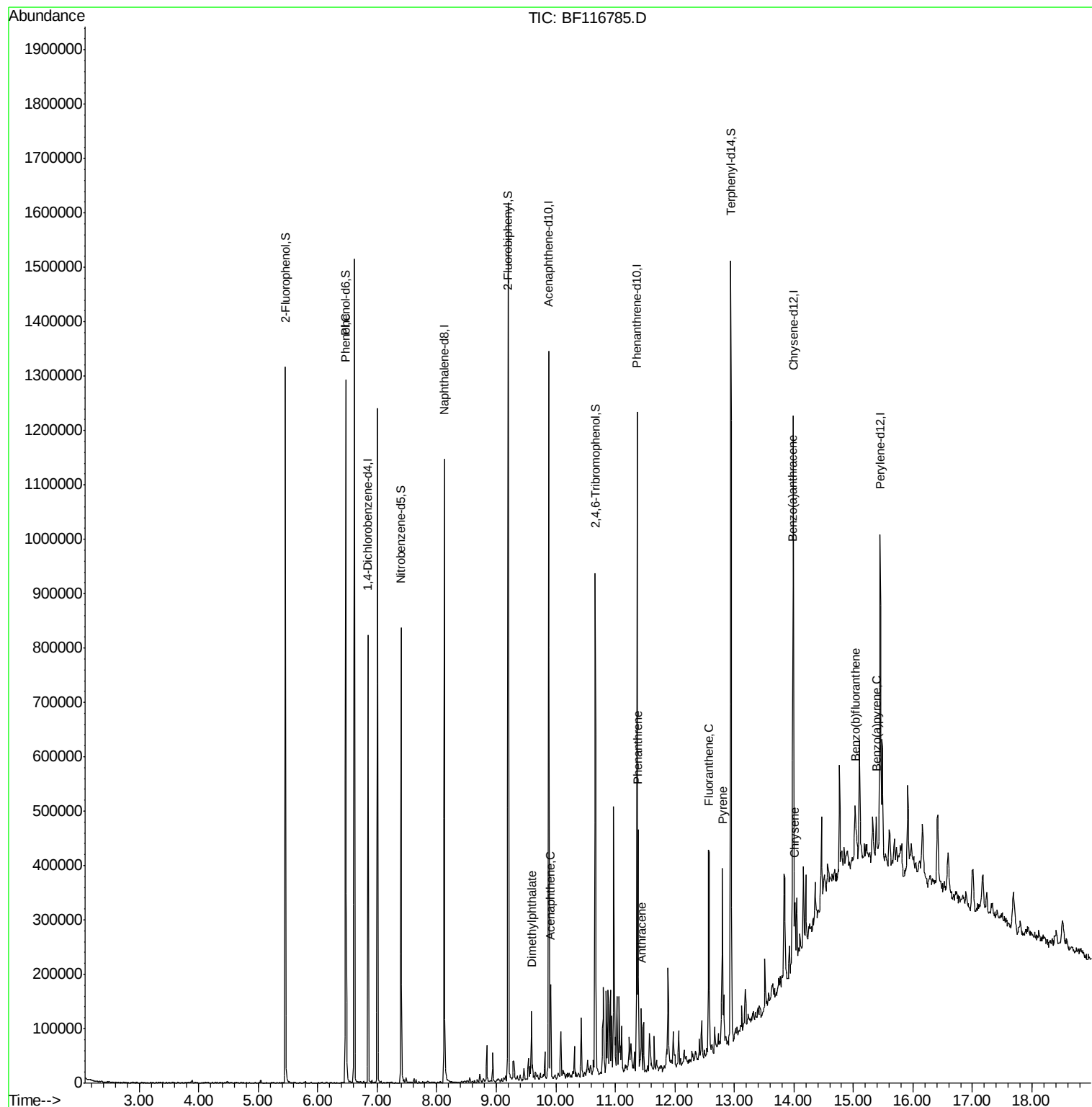
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
Data File : BF116785.D
Acq On : 3 Sep 2019 20:59
Operator : HP/JU
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Misc :
ALS Vial : 23 Sample Multiplier: 1

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SB-10-(12-14)

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#1

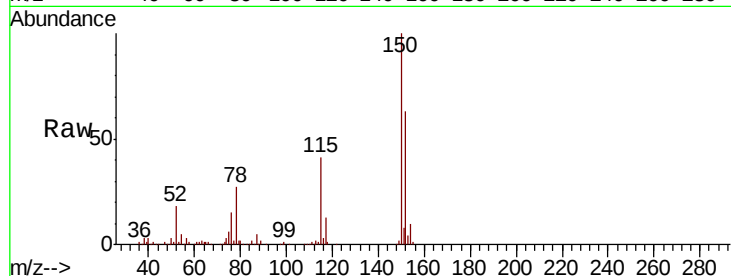
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116785.D
Acq: 3 Sep 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SB-10-(12-14)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	115386		
150	159.1	124.4	186.6	
115	65.7	49.9	74.9	

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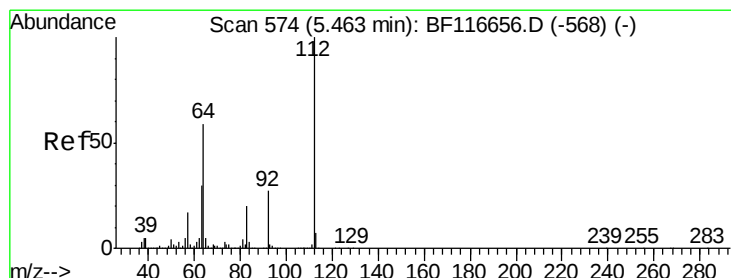
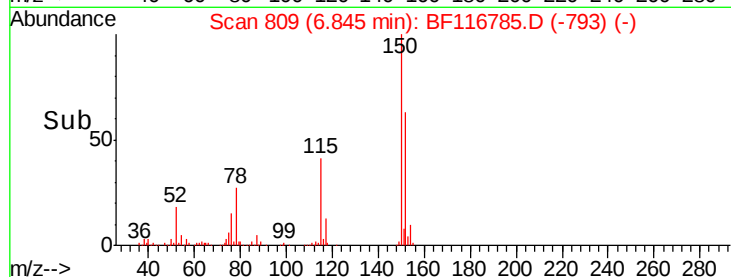
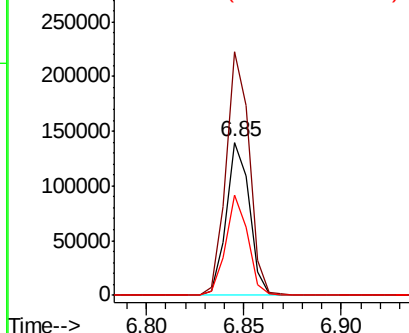


Abundance

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: 49.969 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116785.D
Acq: 3 Sep 2019 20:59

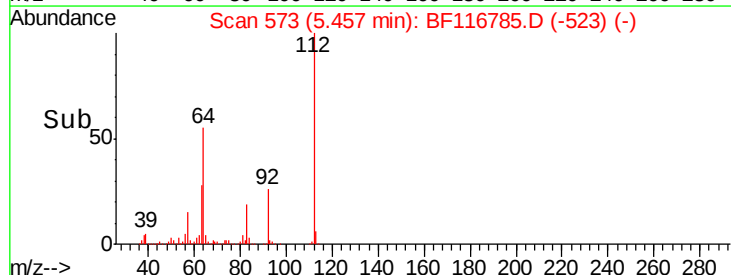
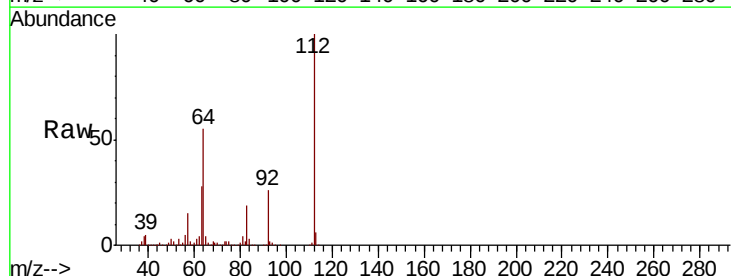
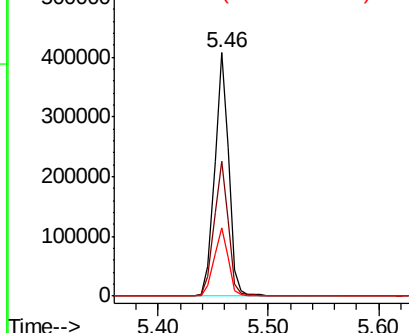
Tgt Ion	Ratio	Resp	Lower	Upper
112	100	355899		
64	55.3	47.1	70.7	
63	28.0	24.9	37.3	

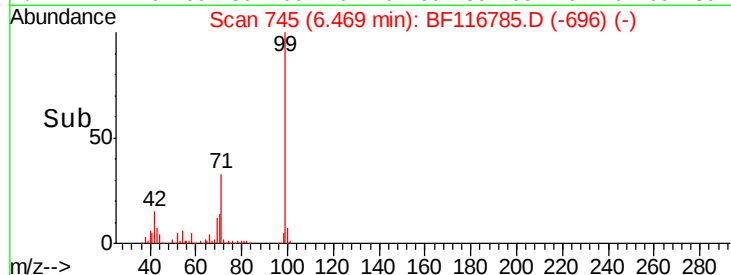
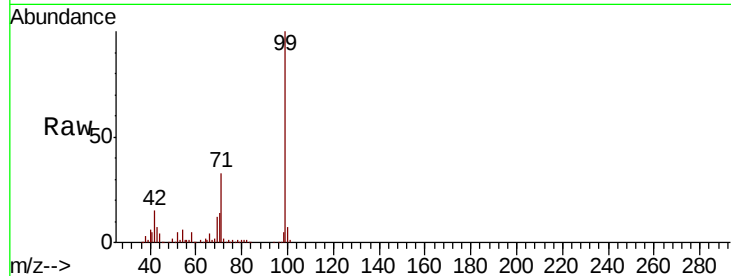
Abundance

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: 51.282 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116785.D

Acq: 3 Sep 2019 20:59

Tot Ion:	99	Resp:	479611
Ion Ratio	Lower	Upper	
99	100		
42	14.8	13.7	20.5
71	33.0	30.8	46.2

Instrument :

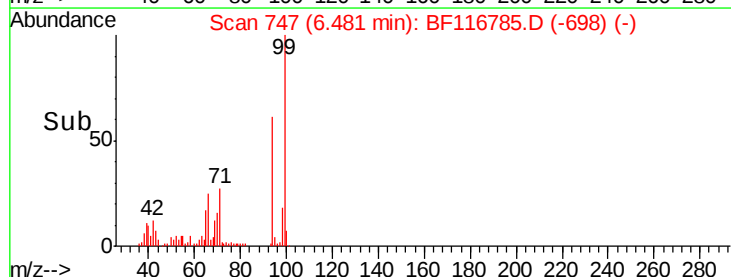
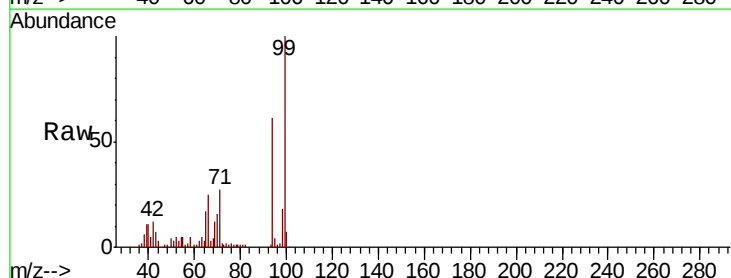
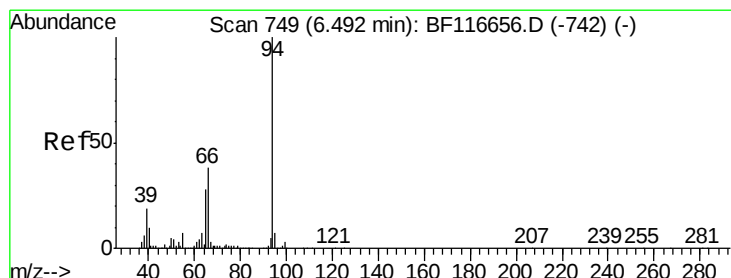
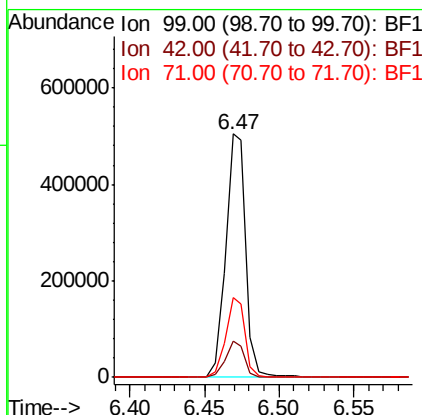
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#10

Phenol

Concen: 4.082 ng

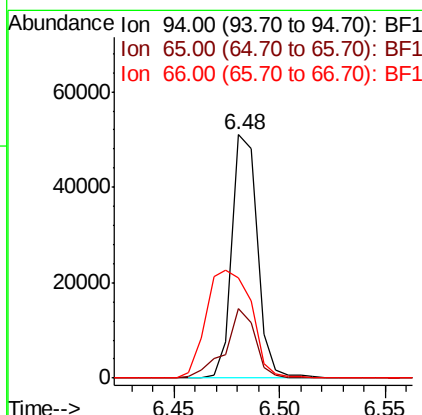
RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116785.D

Acq: 3 Sep 2019 20:59

Tgt Ion:	94	Resp:	42271
Ion Ratio	Lower	Upper	
94	100		
65	28.5	10.8	50.8
66	41.0	21.1	61.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116785.D

Acq: 3 Sep 2019 20:59

Instrument :

BNA_F

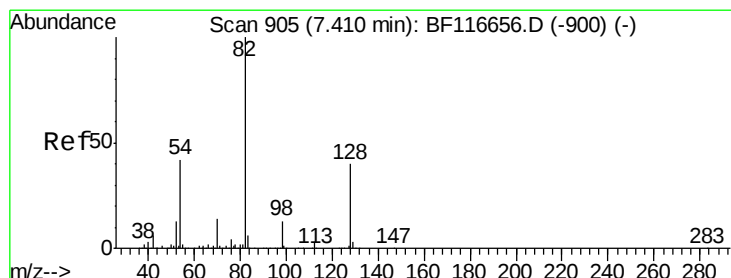
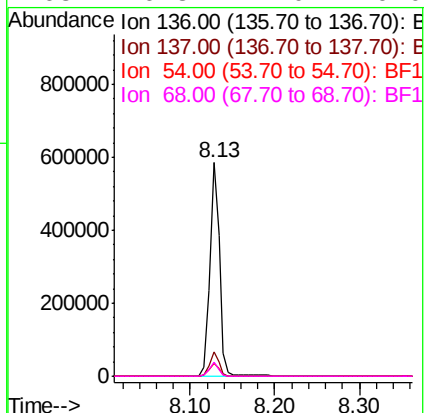
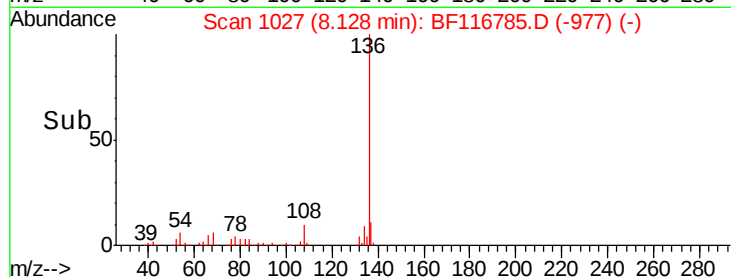
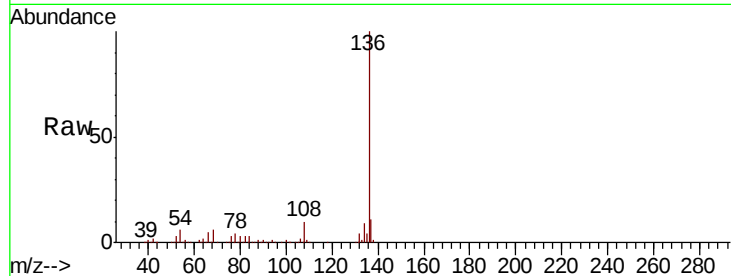
ClientSampleId :

SB-10-(12-14)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	472813		
137	11.3	8.9	13.3	
54	6.2	4.8	7.2	
68	6.3	4.0	6.0	

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#23

Nitrobenzene-d5

Concen: 34.128 ng

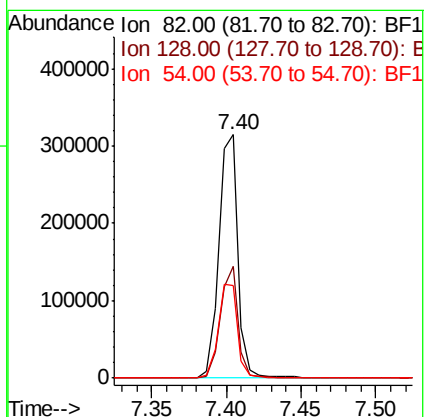
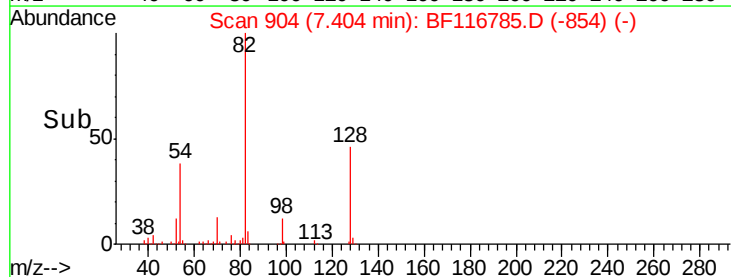
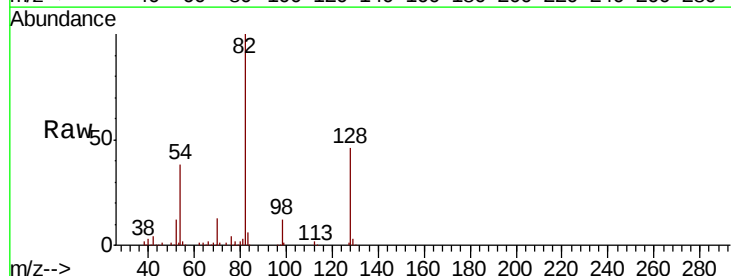
RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116785.D

Acq: 3 Sep 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	282656		
128	45.7	32.8	49.2	
54	38.0	36.9	55.3	





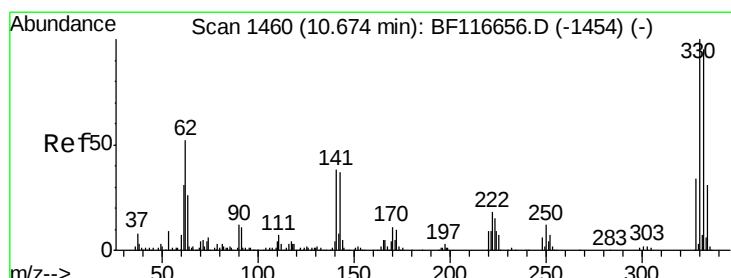
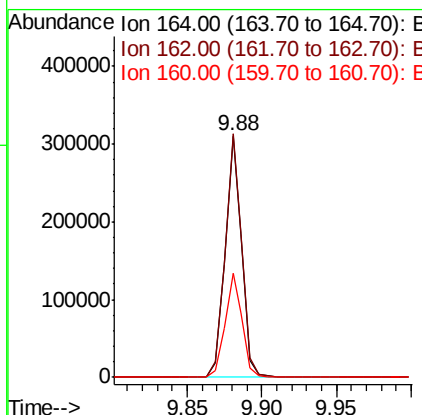
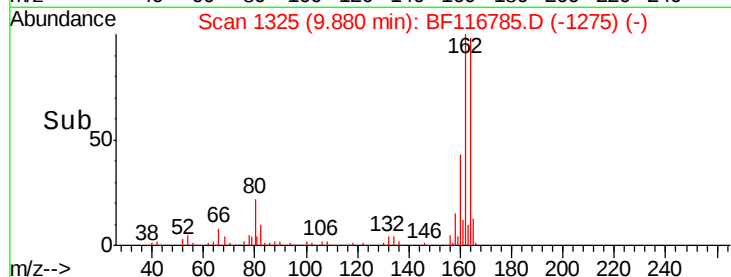
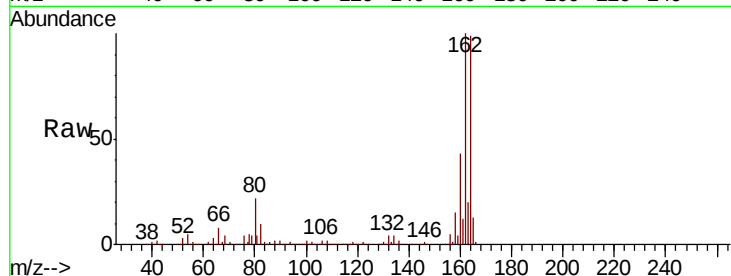
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116785.D
Acq: 3 Sep 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SB-10-(12-14)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	243840		
162	100.9	81.4	122.0	
160	43.3	35.4	53.2	

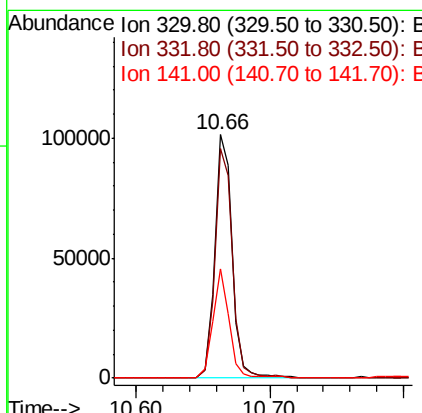
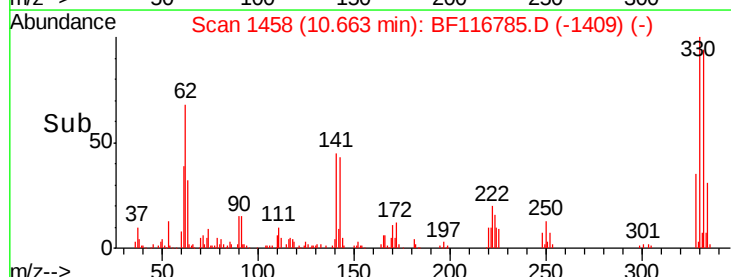
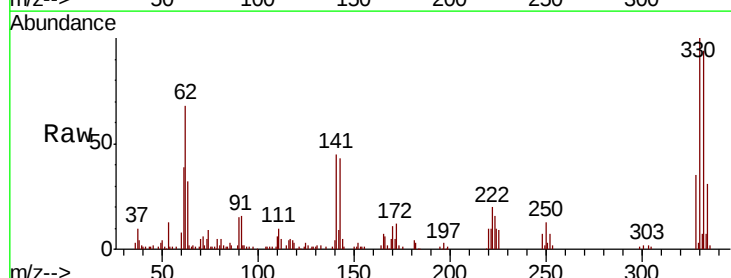
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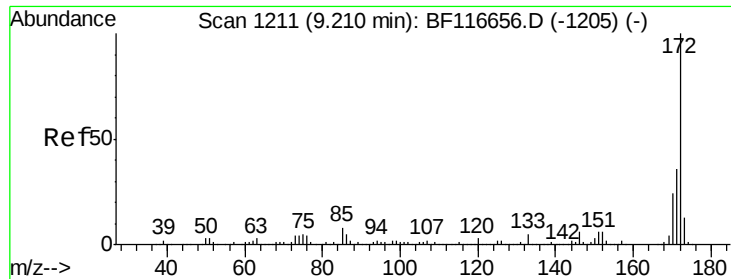
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#42
2,4,6-Tribromophenol
Concen: 57.405 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116785.D
Acq: 3 Sep 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	93577		
332	95.4	76.9	115.3	
141	41.2	31.4	47.2	





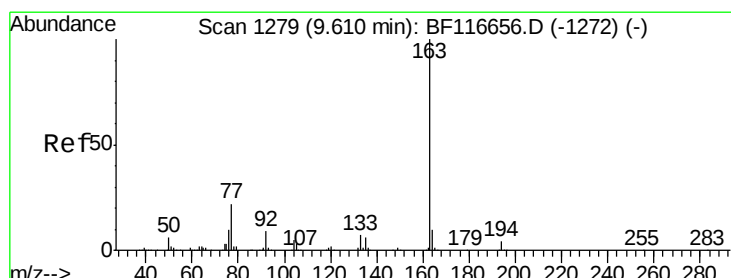
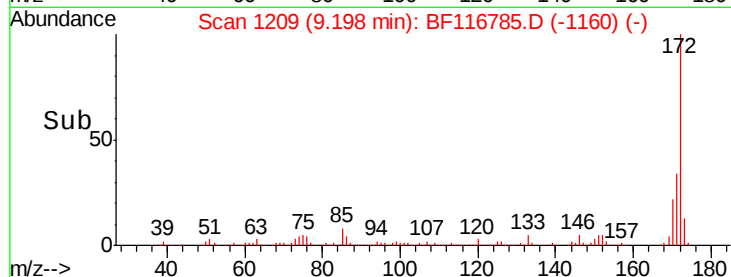
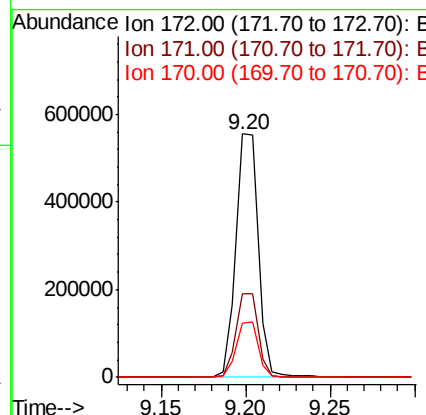
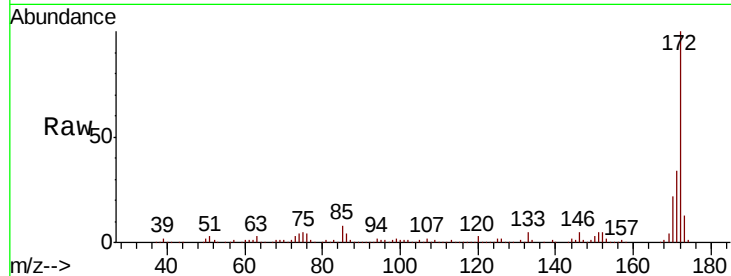
#45
2-Fluorobiphenyl
Concen: 35.211 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF116785.D
Acq: 3 Sep 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SB-10-(12-14)

Tot Ion:	172	Resp:	508975
Ion Ratio	Lower	Upper	
172	100		
171	34.3	27.8	41.6
170	22.3	18.9	28.3

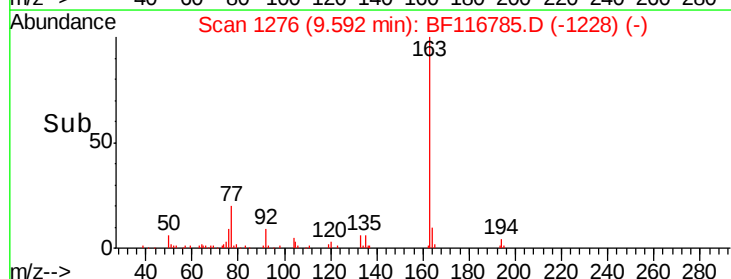
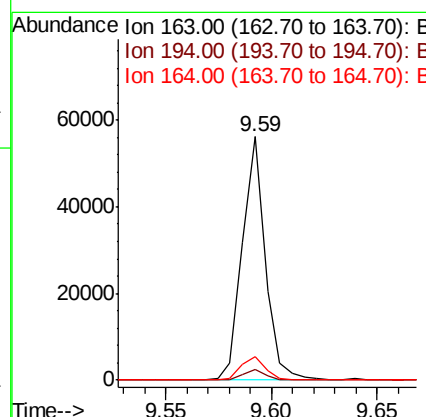
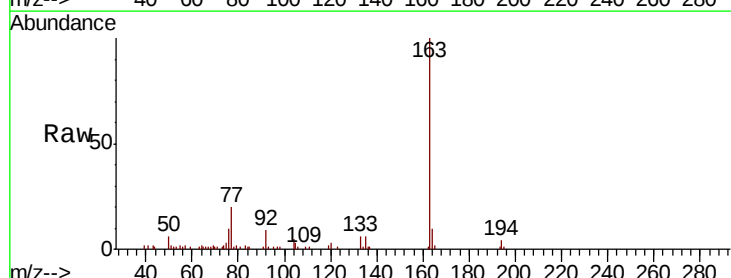
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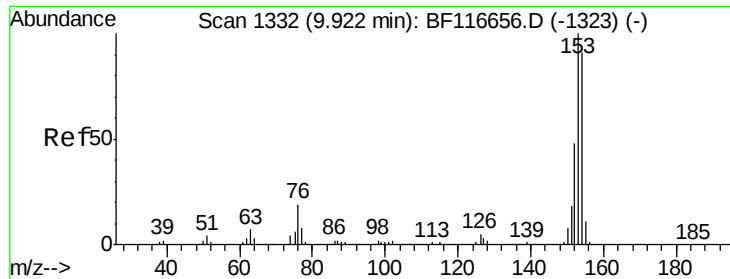
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#50
Dimethylphthalate
Concen: 2.501 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116785.D
Acq: 3 Sep 2019 20:59

Tgt Ion:	163	Resp:	42102
Ion Ratio	Lower	Upper	
163	100		
194	4.3	2.8	4.2#
164	9.8	8.6	12.8





#52

Acenaphthene

Concen: 2.648 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF116785.D

Acq: 3 Sep 2019 20:59

Instrument :

BNA_F

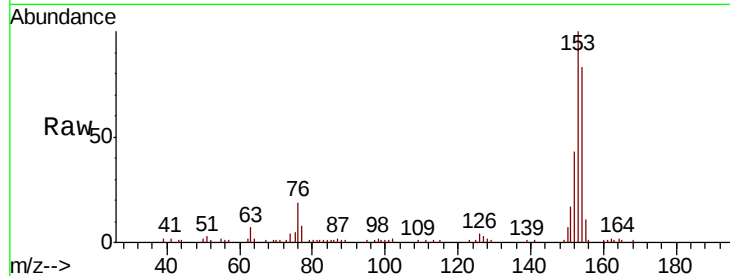
ClientSampleId :

SB-10-(12-14)

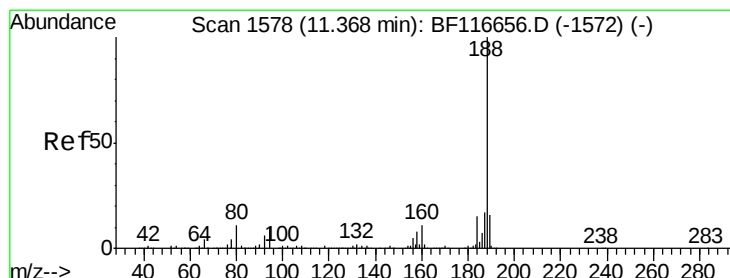
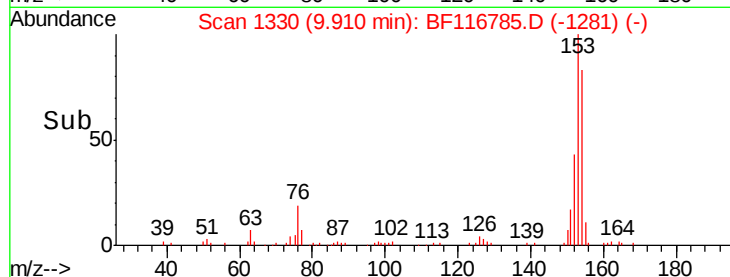
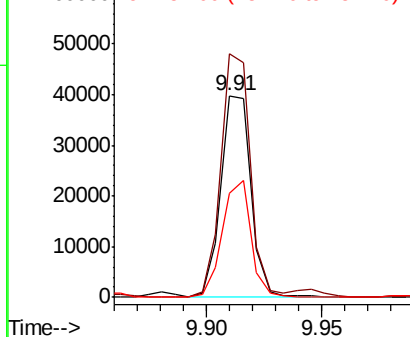
Tot Ion:	154	Resp:	36047
Ion	Ratio	Lower	Upper
154	100		
153	120.8	89.5	134.3
152	51.6	41.9	62.9

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

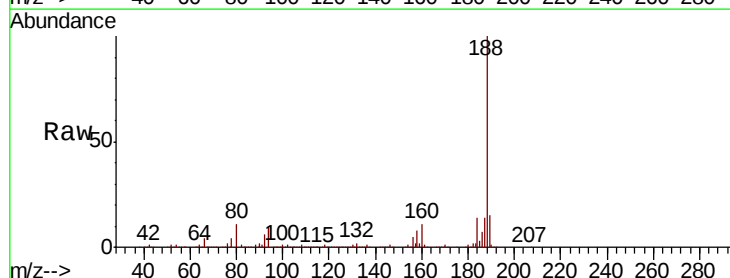
RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

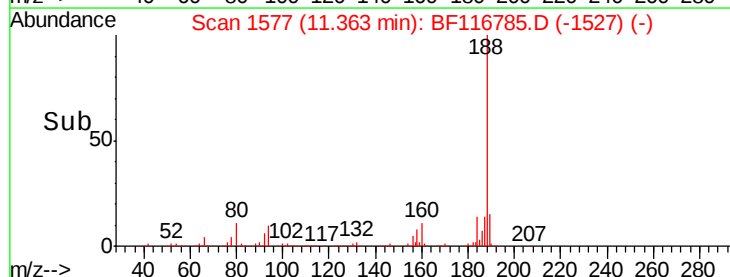
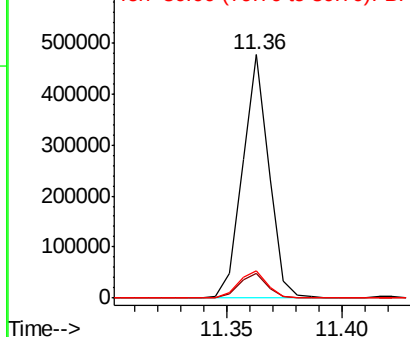
Lab File: BF116785.D

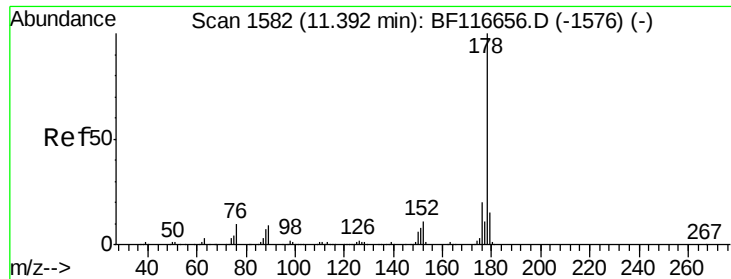
Acq: 3 Sep 2019 20:59

Tgt Ion:	188	Resp:	378892
Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.3	10.9
80	11.3	8.4	12.6



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





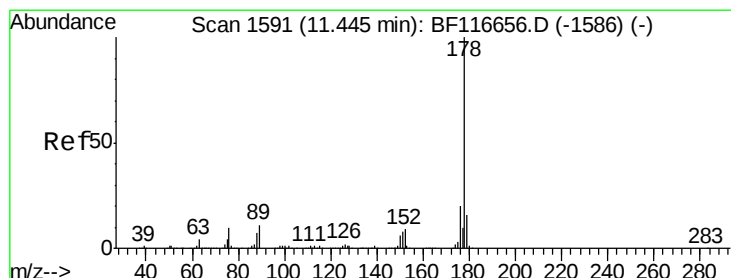
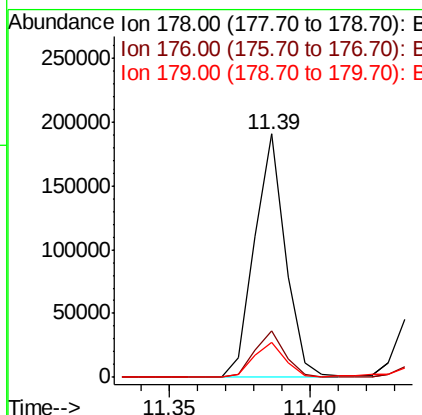
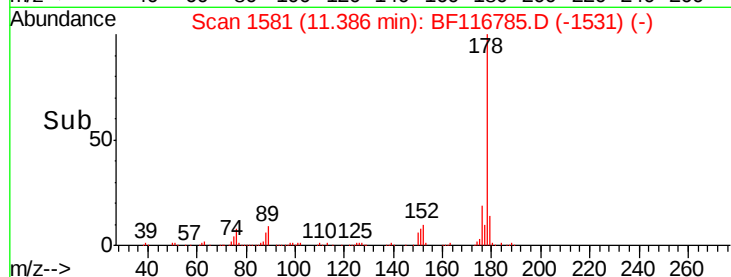
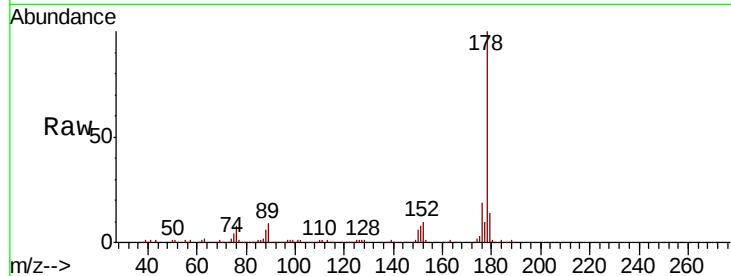
#71
Phenanthrene
Concen: 6.879 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116785.D
Acq: 3 Sep 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SB-10-(12-14)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	14.2	12.2	18.2

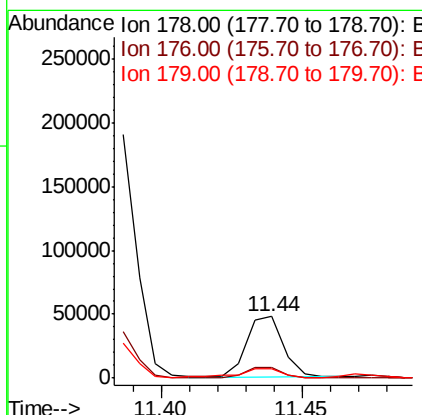
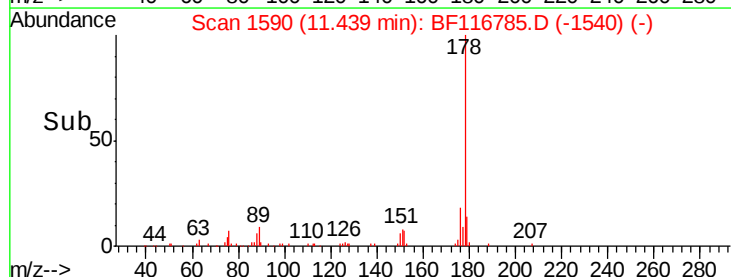
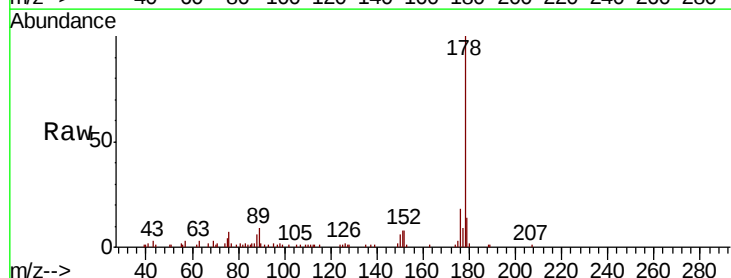
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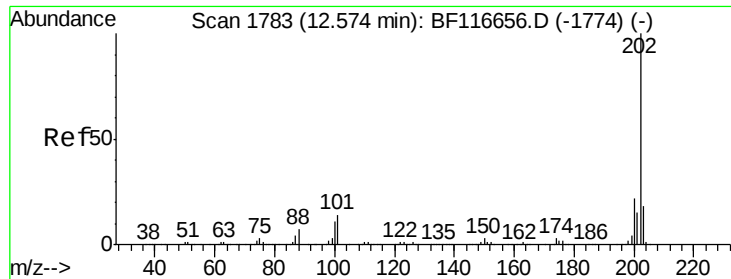
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#72
Anthracene
Concen: 2.029 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF116785.D
Acq: 3 Sep 2019 20:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.0
179	14.2	12.5	18.7





#75

Fluoranthene

Concen: 7.630 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116785.D

Acq: 3 Sep 2019 20:59

Instrument :

BNA_F

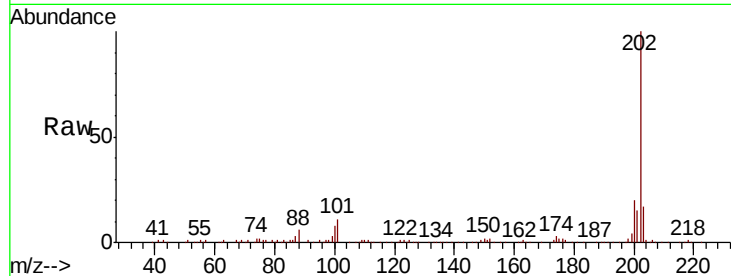
ClientSampleId :

SB-10-(12-14)

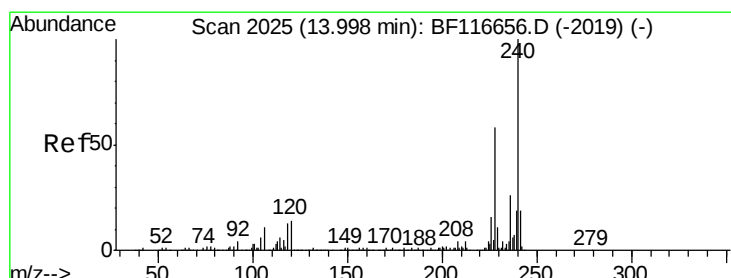
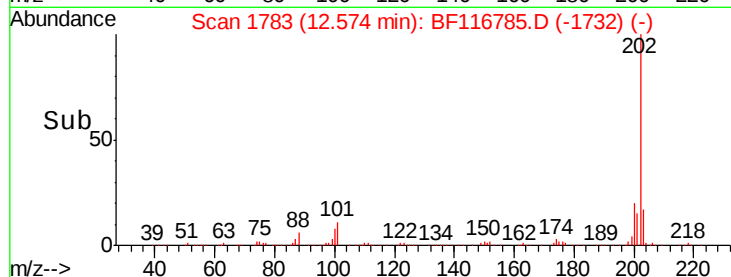
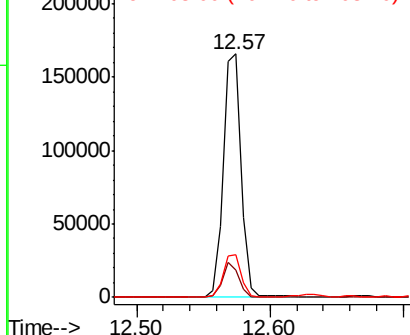
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.2	0.0	31.3
203	17.4	0.0	37.6

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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

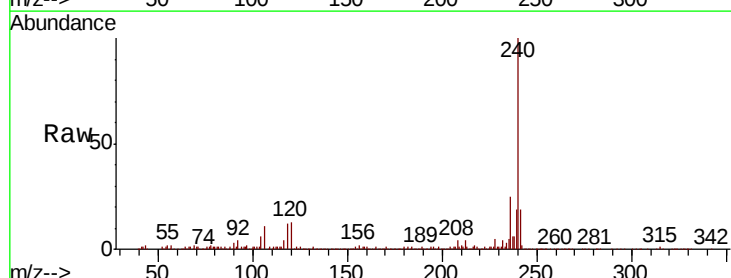
RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

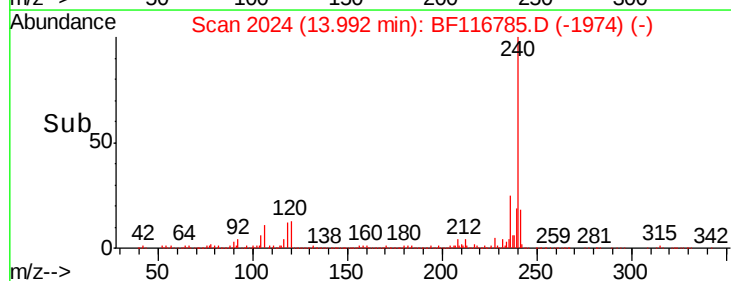
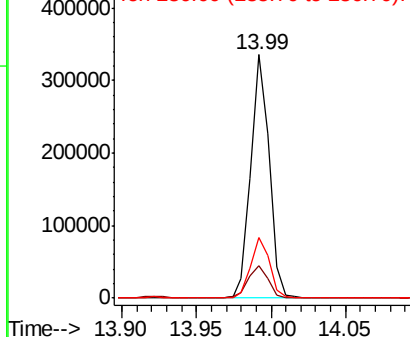
Lab File: BF116785.D

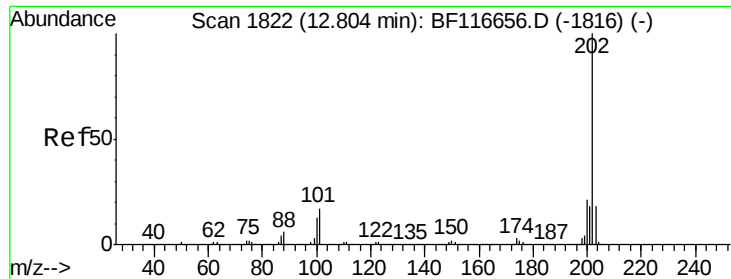
Acq: 3 Sep 2019 20:59

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.3	9.1	13.7
236	24.9	21.1	31.7



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





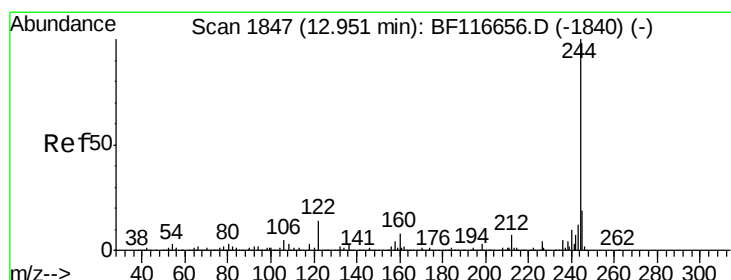
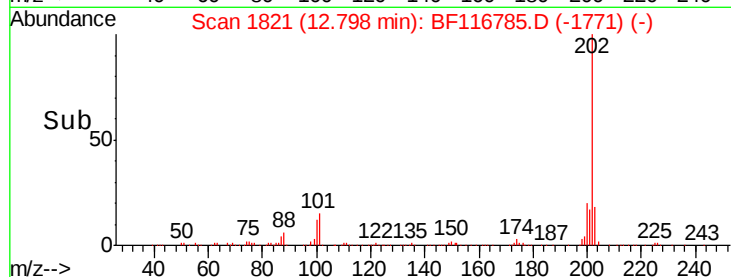
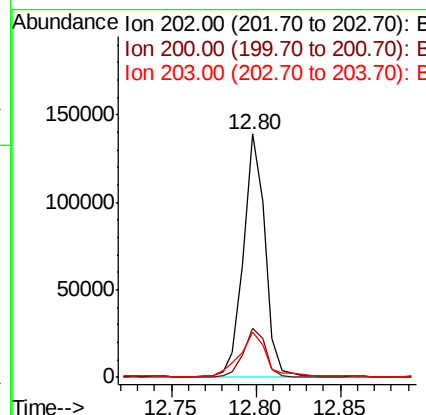
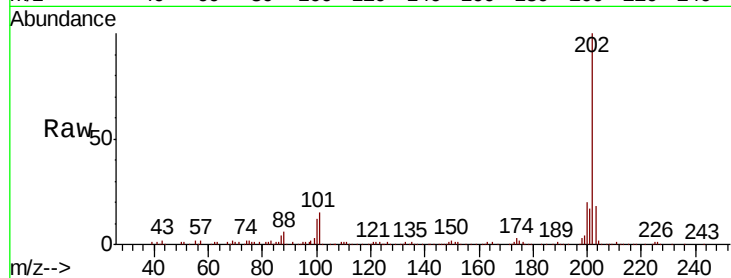
#78
Pvrene
Concen: 4.813 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116785.D
Acq: 3 Sep 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SB-10-(12-14)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.3	16.5	24.7
203	18.3	13.7	20.5

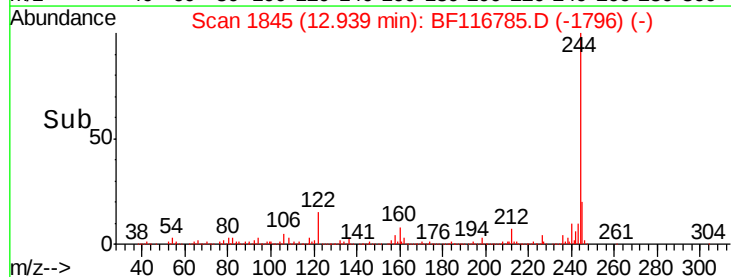
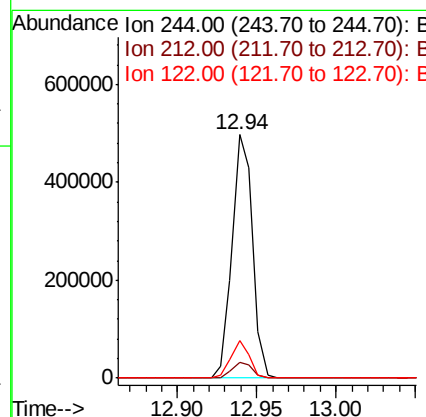
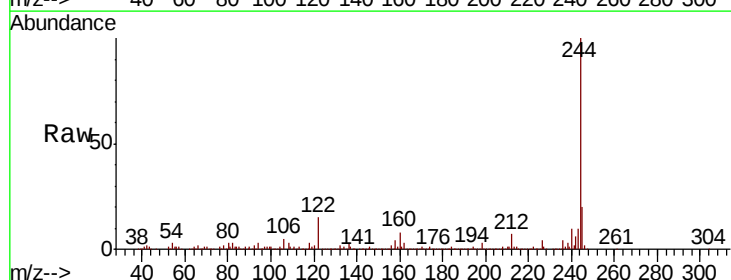
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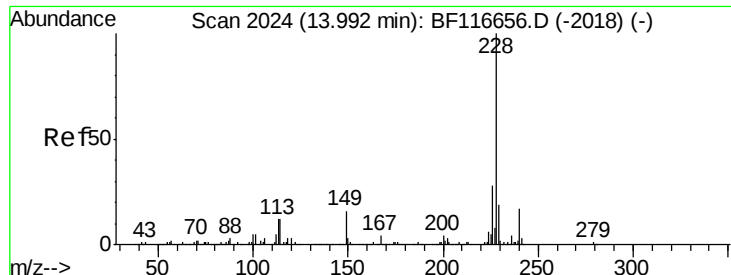
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#79
Terphenyl-d14
Concen: 28.678 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116785.D
Acq: 3 Sep 2019 20:59

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	6.1	9.1
122	15.2	10.2	15.4





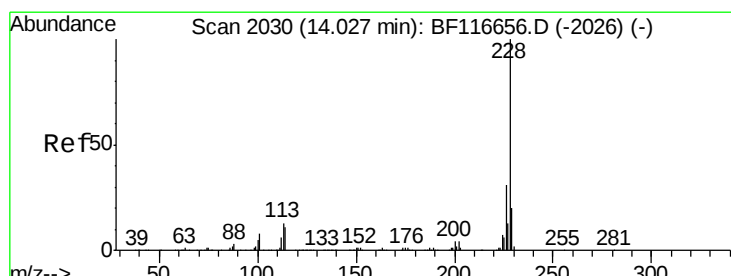
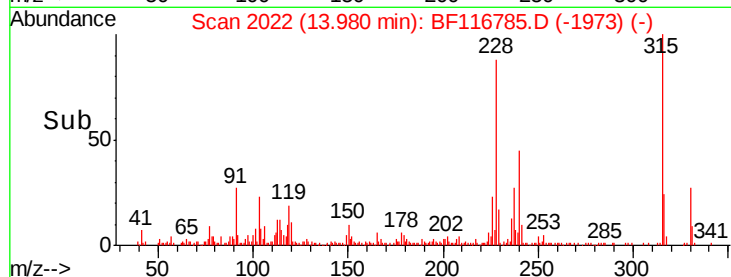
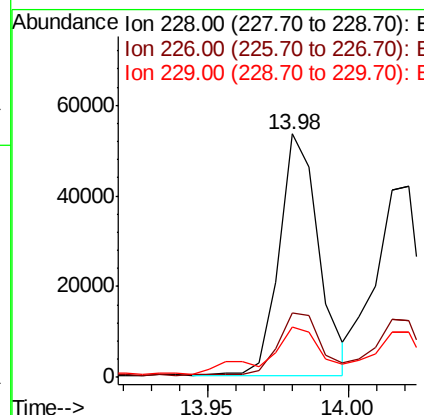
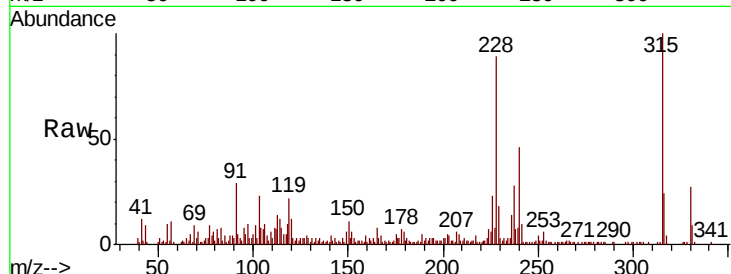
#81
Benzo(a)anthracene
Concen: 2.879 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116785.D
Acq: 3 Sep 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SB-10-(12-14)

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.4	22.0	33.0
229	20.8	16.4	24.6

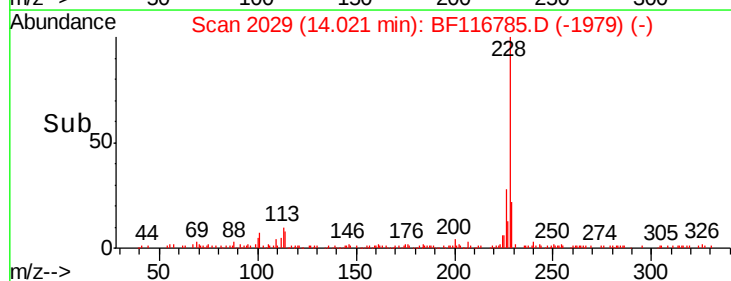
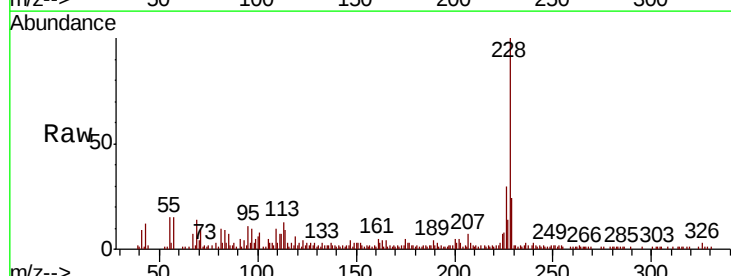
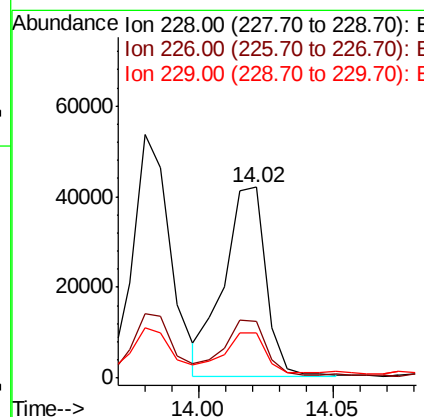
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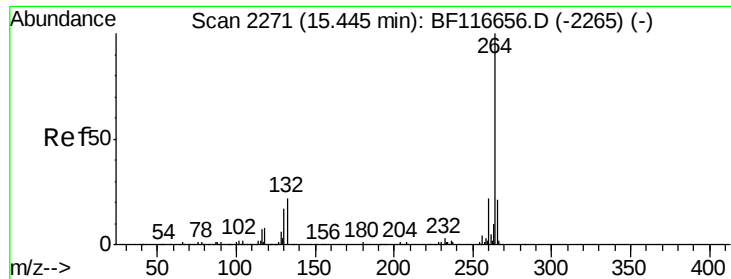
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#83
Chrysene
Concen: 2.433 ng m
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF116785.D
Acq: 3 Sep 2019 20:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.0	36.0
229	24.0	15.4	23.0





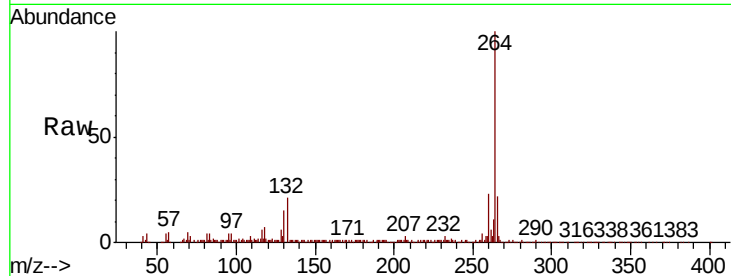
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116785.D
Acq: 3 Sep 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SB-10-(12-14)

Tot Ion	Ratio	Resp	Lower	Upper
264	100	276669		
260	23.4		18.3	27.5
265	22.2		16.5	24.7

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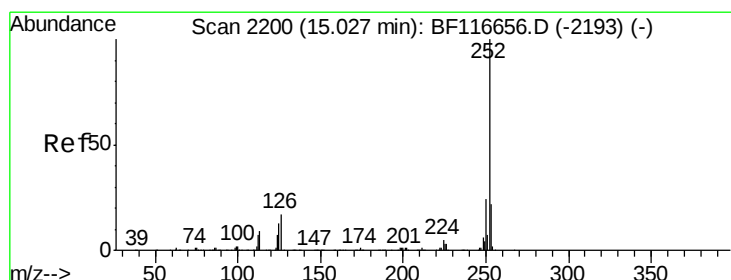
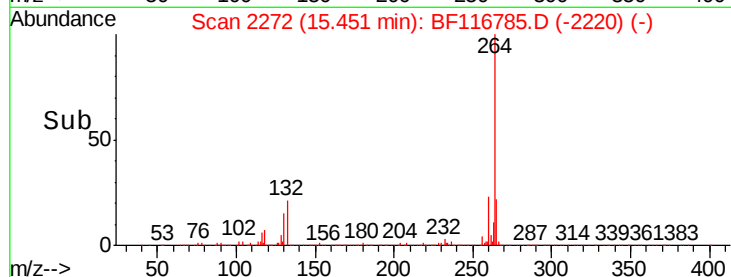
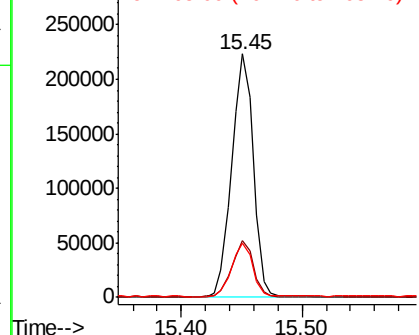


Abundance

Ion 264.00 (263.70 to 264.70): E

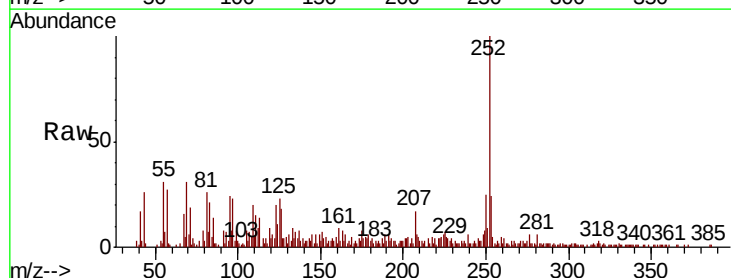
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 3.257 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116785.D
Acq: 3 Sep 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	54486		
253	24.0		17.7	26.5
125	22.8		8.2	12.2#

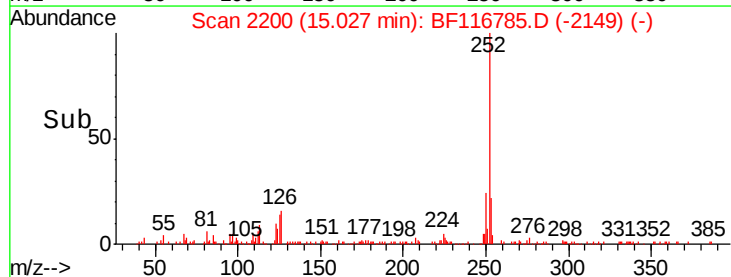
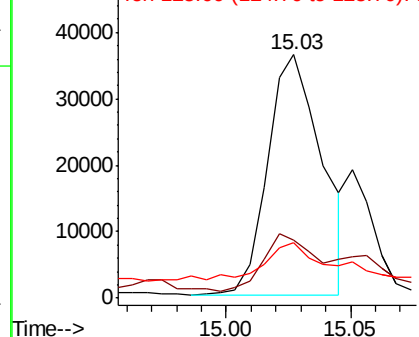


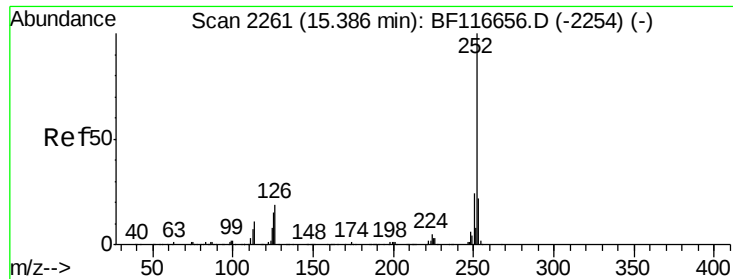
Abundance

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





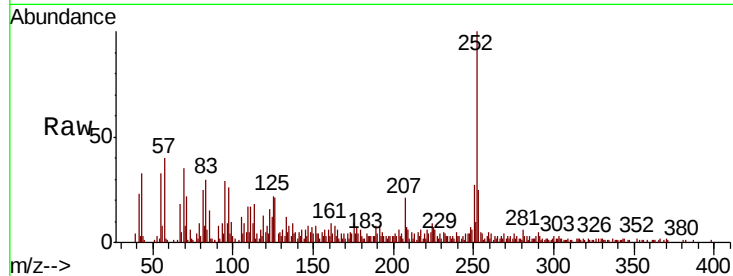
#90
 Benzo(a)pyrene
 Concen: 2.424 ng
 RT: 15.39 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: BF116785.D
 Acq: 3 Sep 2019 20:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-10-(12-14)

Tot Ion:	252	Resp:	35280
Ion Ratio	Lower	Upper	
252	100		
253	25.0	18.1	27.1
125	22.5	9.8	14.8#

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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

