

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116695.D
 Acq On : 31 Aug 2019 13:23
 Operator : HP/JU
 Sample : K4643-19
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T11-D1-D4-(0-4)

Manual Integrations
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mohammad
 9/5/2019 9:23:22 AM

Quant Time: Aug 31 17:43:52 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	108367	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	425696	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	220117	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	358940	20.00	ng	0.00
76) Chrysene-d12	13.99	240	222281	20.00	ng	0.00
87) Perylene-d12	15.44	264	255527	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	556457	83.19	ng	0.00
7) Phenol-d6	6.47	99	764502	87.04	ng	0.00
23) Nitrobenzene-d5	7.40	82	475255	63.73	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	137902	93.71	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	791521	60.66	ng	0.00
79) Terphenyl-d14	12.94	244	708957	59.00	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	93473	6.151	ng	99
71) Phenanthrene	11.39	178	136353	6.824	ng	99
75) Fluoranthene	12.57	202	286742	14.603	ng	96
78) Pyrene	12.80	202	234299	11.858	ng	97
81) Benzo(a)anthracene	13.98	228	96464	6.857	ng	96
83) Chrysene	14.02	228	131659m	9.084	ng	
84) Bis(2-ethylhexyl)phthalate	13.98	149	77456	6.530	ng	# 95
86) Indeno(1,2,3-cd)pyrene	16.88	276	84278	7.239	ng	99
88) Benzo(b)fluoranthene	15.02	252	166165m	10.756	ng	
89) Benzo(k)fluoranthene	15.05	252	59558m	4.228	ng	
90) Benzo(a)pyrene	15.38	252	99876	7.431	ng	97
92) Benzo(a,h,i)perylene	17.32	276	81824	6.820	ng	# 92

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

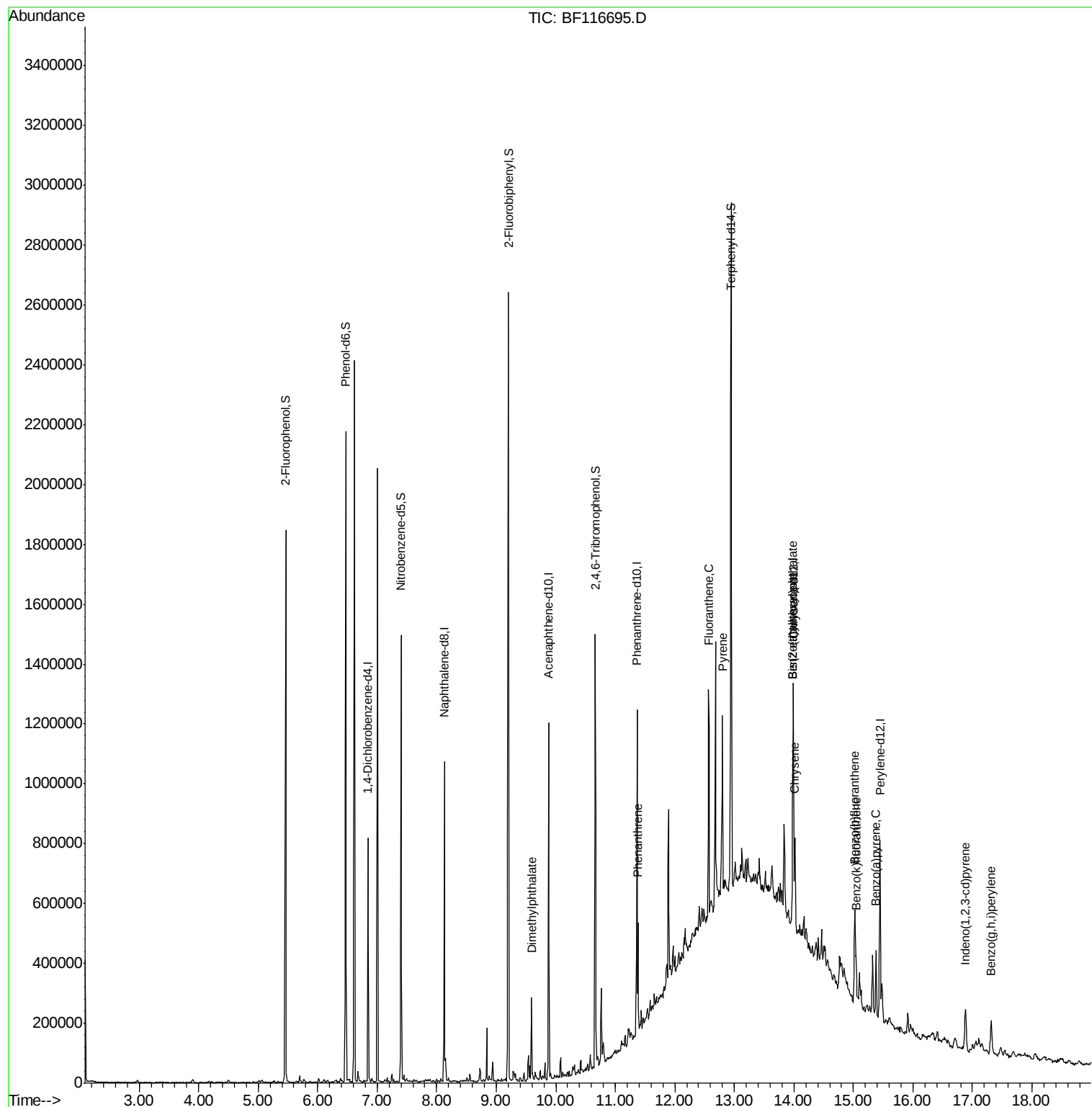
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
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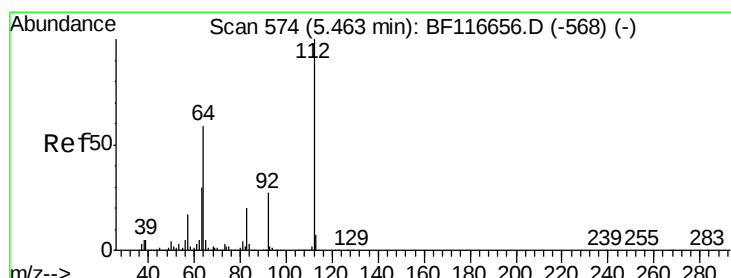
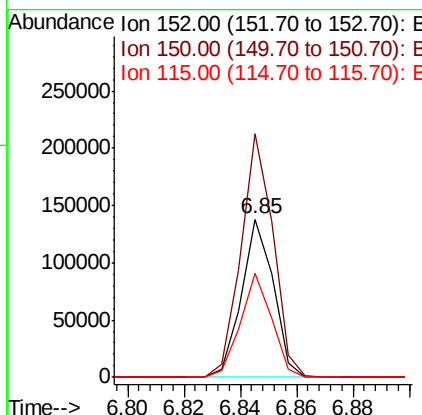
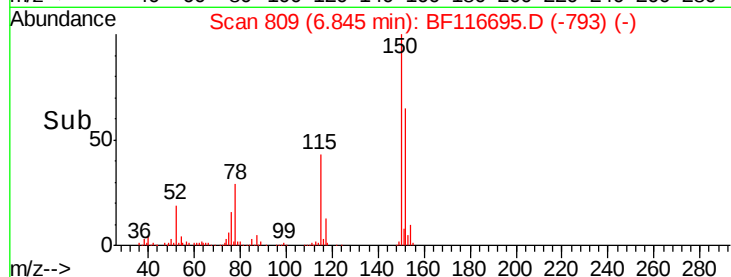
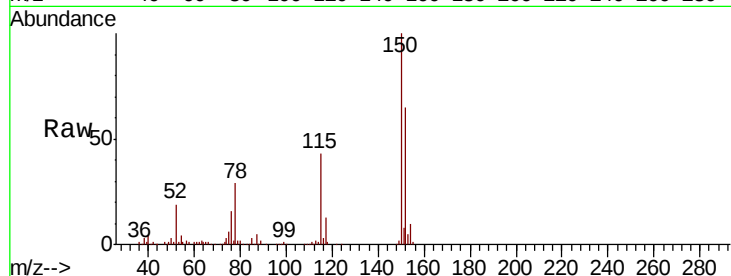
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF116695.D
 Acq: 31 Aug 2019 13:23

Instrument :
 BNA_F
 ClientSampleId :
 T11-D1-D4-(0-4)

Tot Ion	152	Resp	108367
Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.4	186.6
115	65.6	49.9	74.9

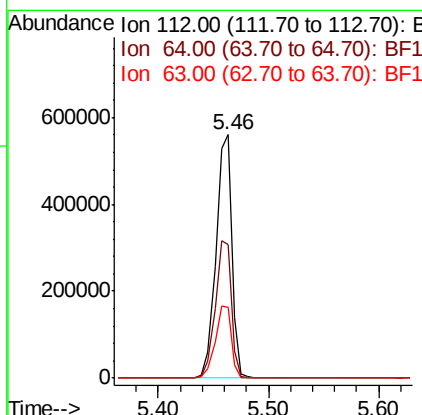
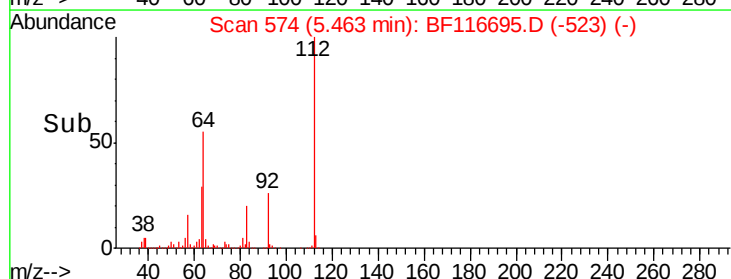
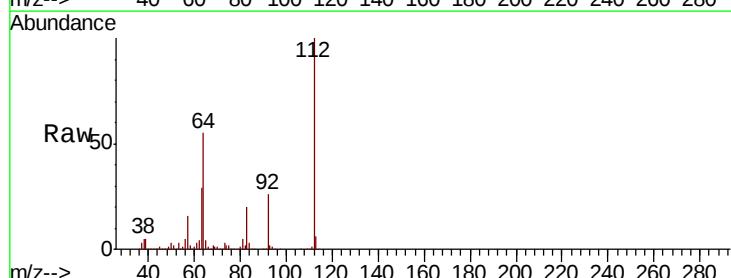
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#5
 2-Fluorophenol
 Concen: 83.189 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.00 min
 Lab File: BF116695.D
 Acq: 31 Aug 2019 13:23

Tgt Ion	112	Resp	556457
Ion	Ratio	Lower	Upper
112	100		
64	54.9	47.1	70.7
63	29.0	24.9	37.3





#7

Phenol-d6

Concen: 87.038 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116695.D

Acq: 31 Aug 2019 13:23

Instrument :

BNA_F

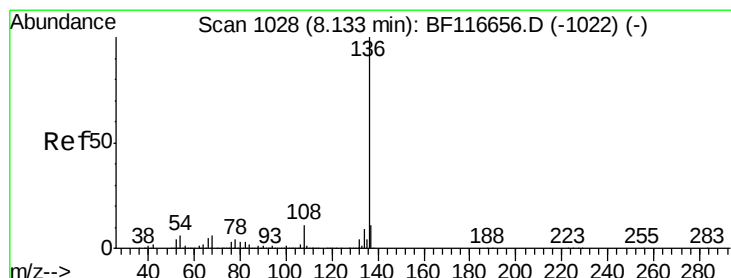
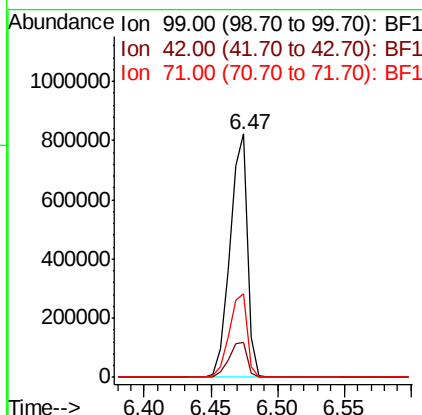
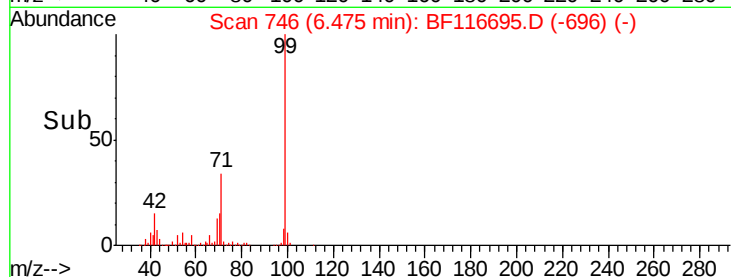
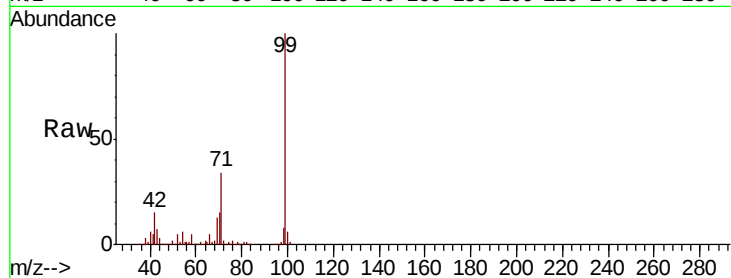
ClientSampleId :

T11-D1-D4-(0-4)

Tot Ion:	99	Resp:	764502
Ion Ratio	Lower	Upper	
99	100		
42	14.5	13.7	20.5
71	34.5	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

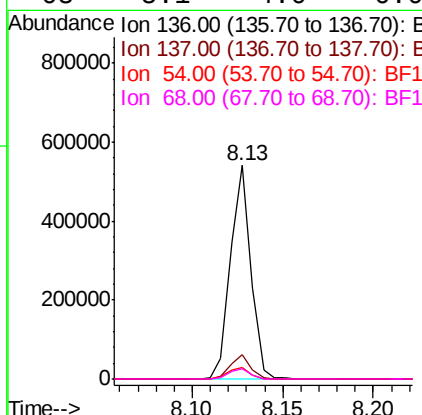
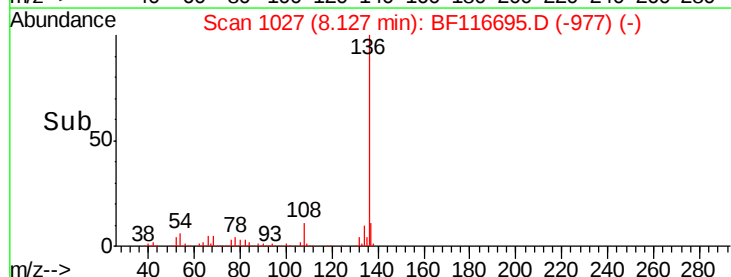
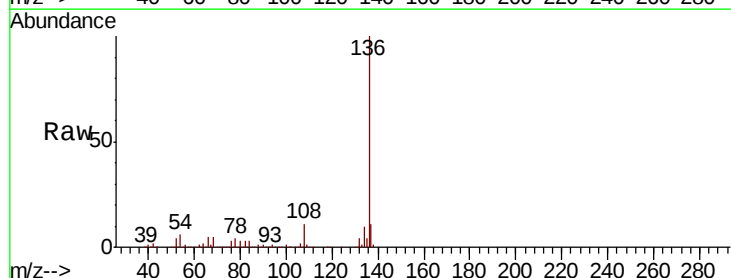
RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116695.D

Acq: 31 Aug 2019 13:23

Tgt Ion:	136	Resp:	425696
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	5.7	4.8	7.2
68	5.1	4.0	6.0





#23

Nitrobenzene-d5

Concen: 63.733 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116695.D

Acq: 31 Aug 2019 13:23

Instrument :

BNA_F

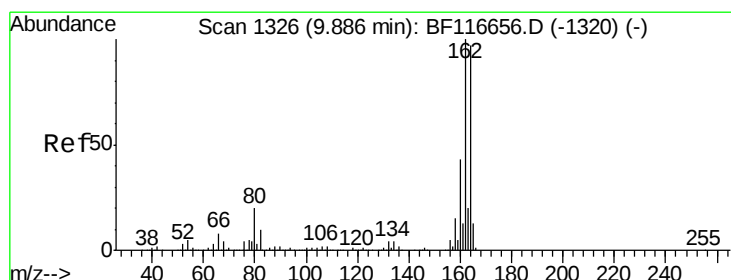
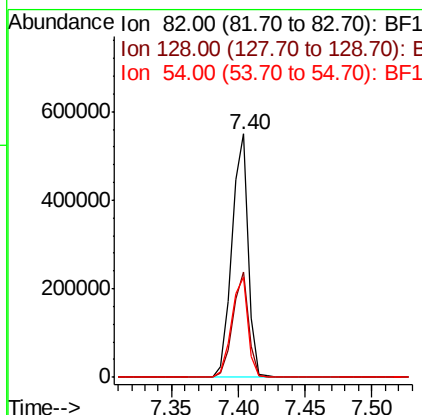
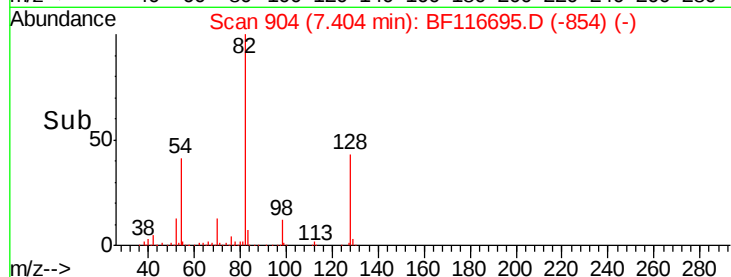
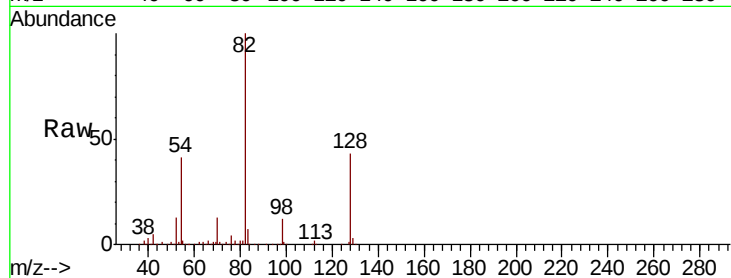
ClientSampleId :

T11-D1-D4-(0-4)

Tot Ion	82	Resp	475255
Ion Ratio	Lower	Upper	
82	100		
128	43.2	32.8	49.2
54	41.3	36.9	55.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

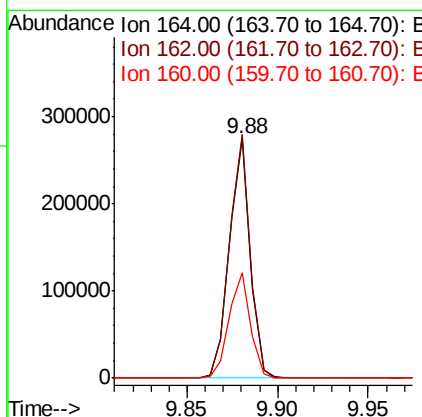
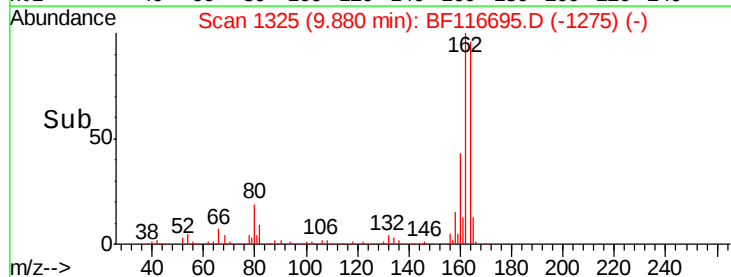
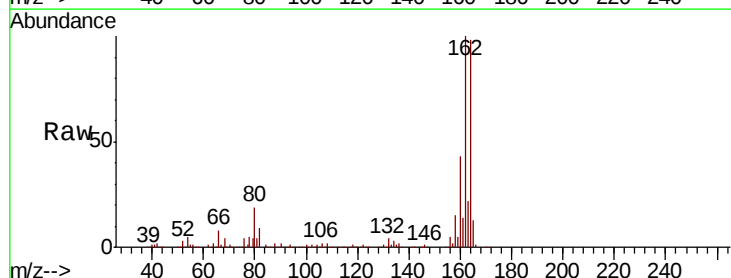
RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116695.D

Acq: 31 Aug 2019 13:23

Tgt Ion	164	Resp	220117
Ion Ratio	Lower	Upper	
164	100		
162	101.6	81.4	122.0
160	43.7	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 93.713 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116695.D

Acq: 31 Aug 2019 13:23

Instrument :

BNA_F

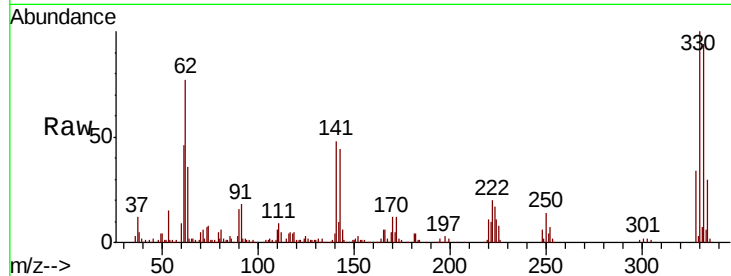
ClientSampleId :

T11-D1-D4-(0-4)

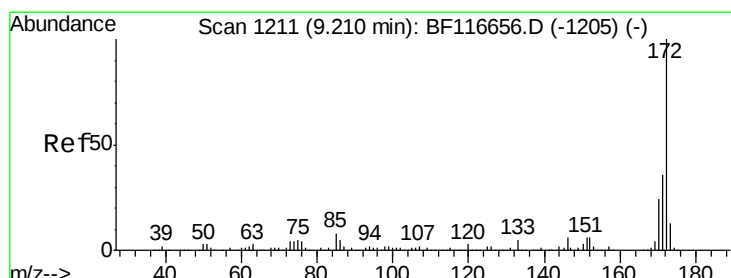
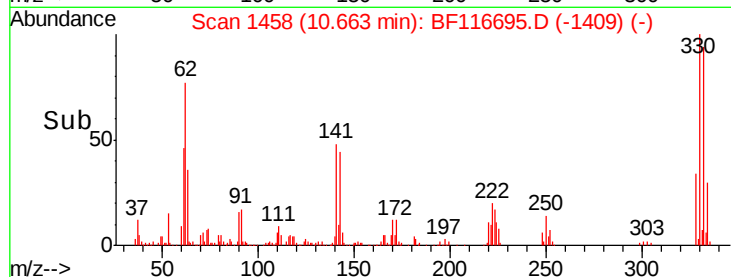
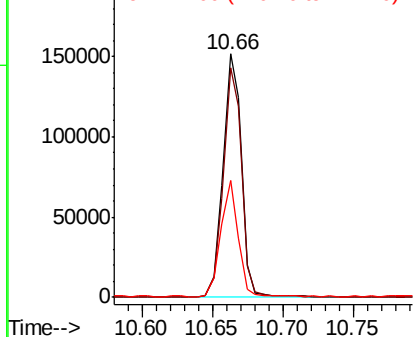
Tot Ion:	330	Resp:	137902
Ion Ratio	Lower	Upper	
330	100		
332	94.4	76.9	115.3
141	45.2	31.4	47.2

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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: 60.659 ng

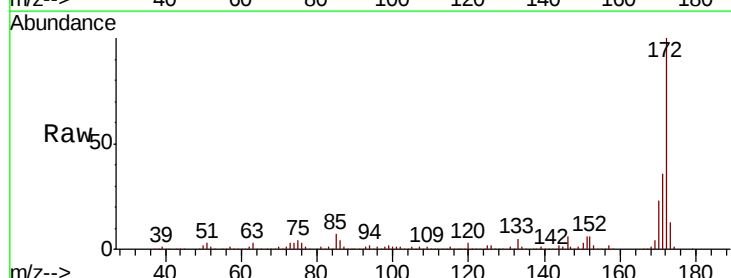
RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

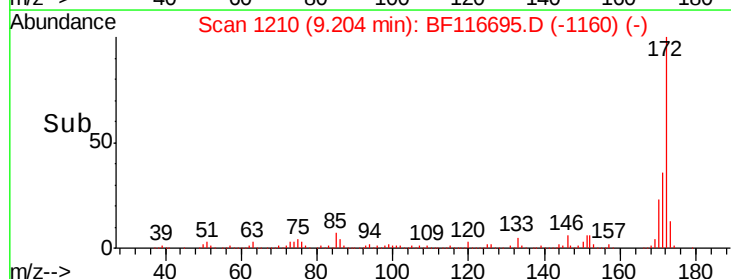
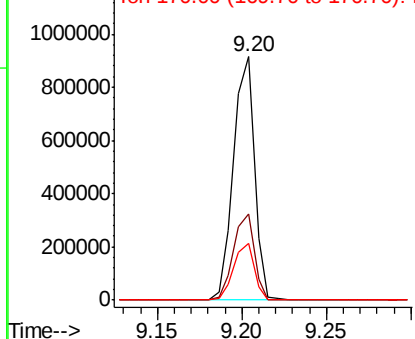
Lab File: BF116695.D

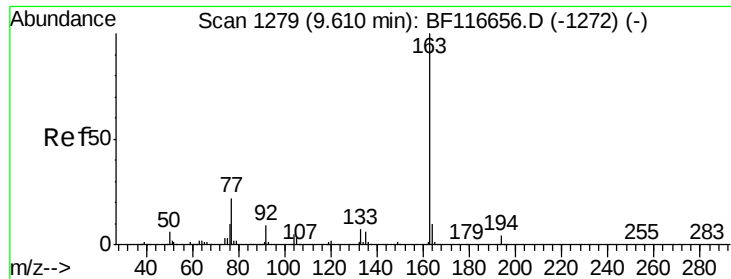
Acq: 31 Aug 2019 13:23

Tgt Ion:	172	Resp:	791521
Ion Ratio	Lower	Upper	
172	100		
171	35.5	27.8	41.6
170	23.4	18.9	28.3



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





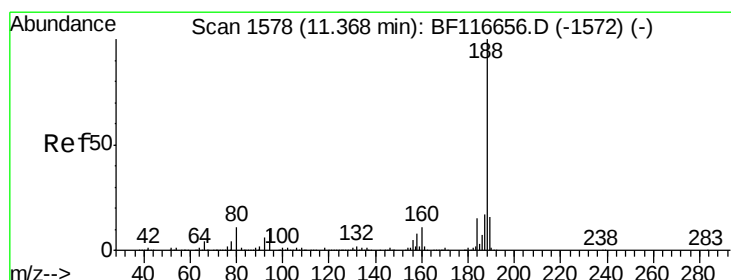
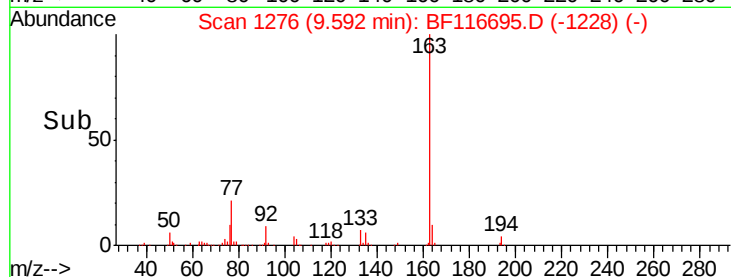
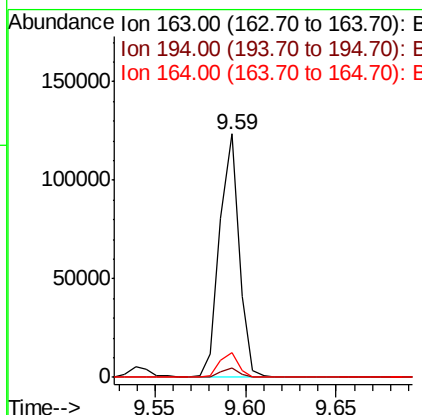
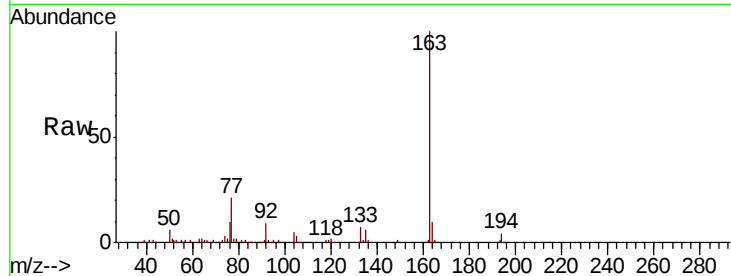
#50
Dimethylphthalate
Concen: 6.151 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116695.D
Acq: 31 Aug 2019 13:23

Instrument :
BNA_F
ClientSampleId :
T11-D1-D4-(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	93473		
194	3.7	2.8	4.2	
164	10.4	8.6	12.8	

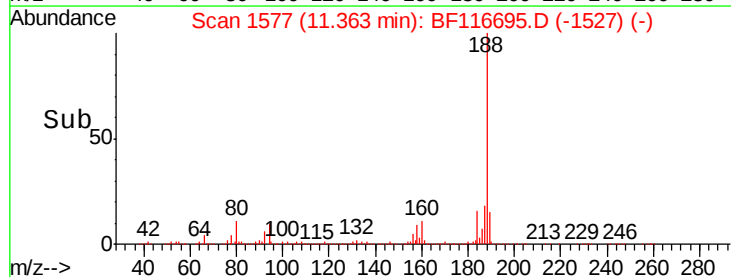
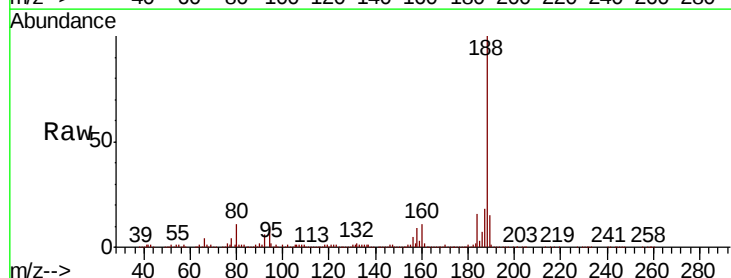
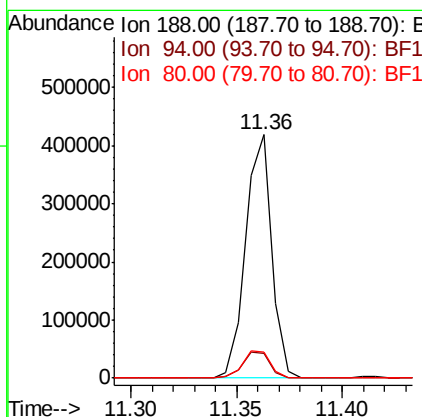
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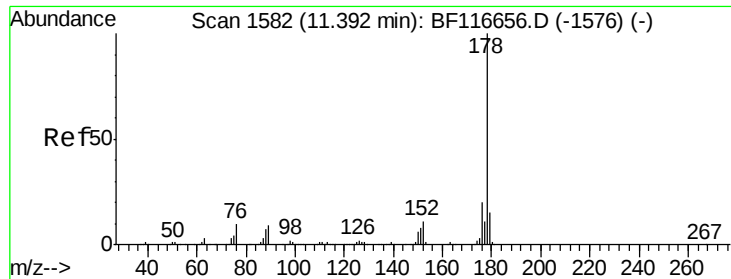
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116695.D
Acq: 31 Aug 2019 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	358940		
94	10.0	7.3	10.9	
80	10.7	8.4	12.6	





#71

Phenanthrene

Concen: 6.824 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116695.D

Acq: 31 Aug 2019 13:23

Instrument :

BNA_F

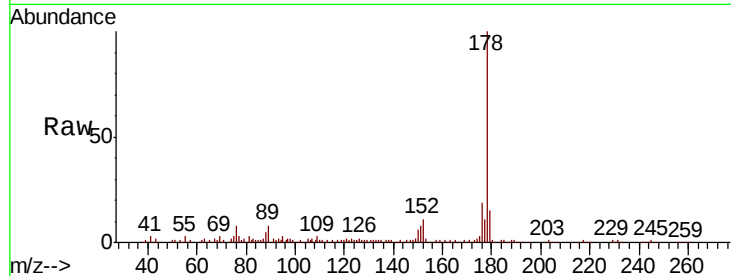
ClientSampleId :

T11-D1-D4-(0-4)

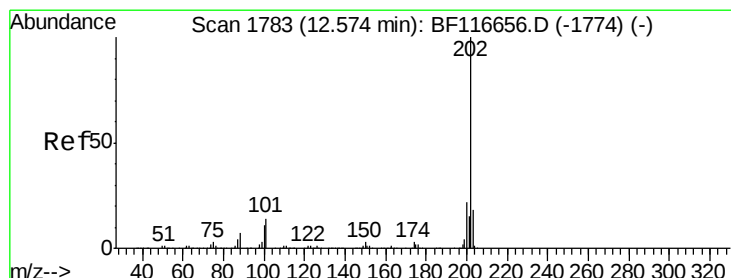
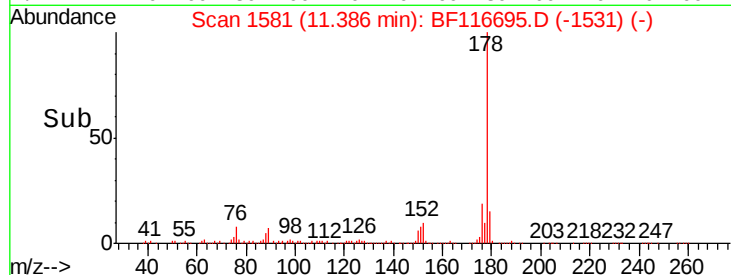
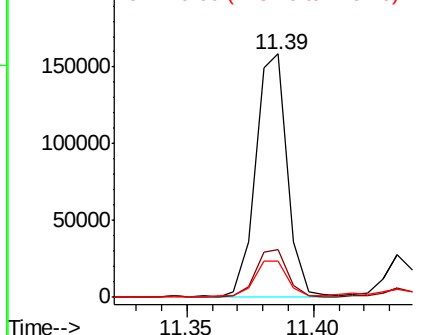
Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		136353		
176	19.5	15.4	23.0		
179	14.9	12.2	18.2		

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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



#75

Fluoranthene

Concen: 14.603 ng

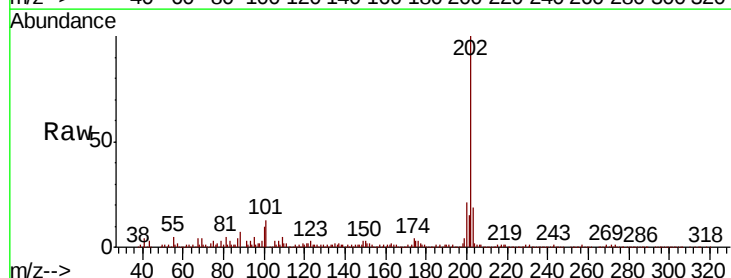
RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

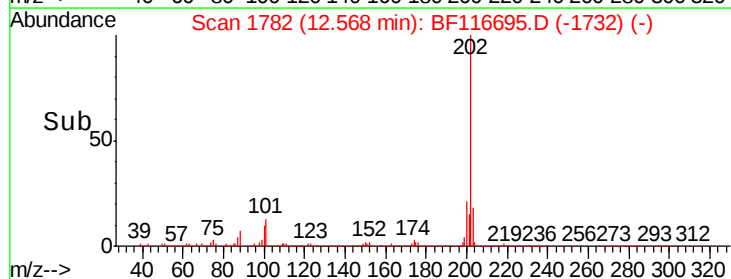
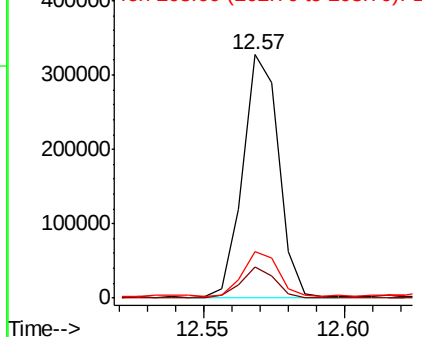
Lab File: BF116695.D

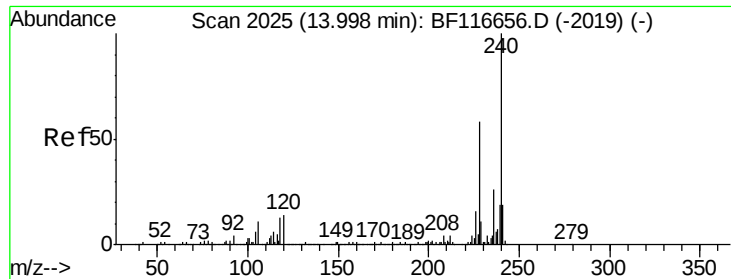
Acq: 31 Aug 2019 13:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		286742		
101	13.0	0.0	31.3		
203	19.1	0.0	37.6		



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





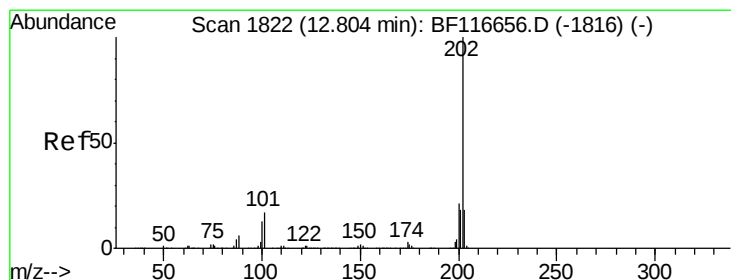
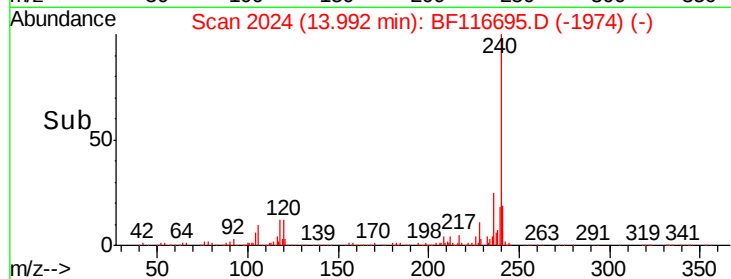
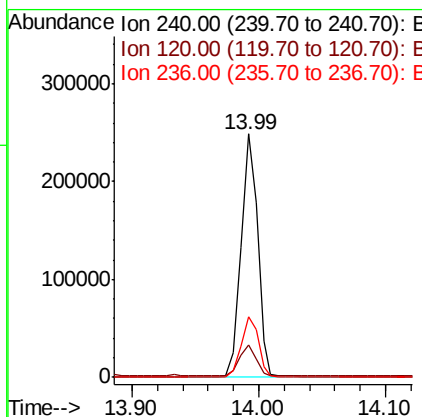
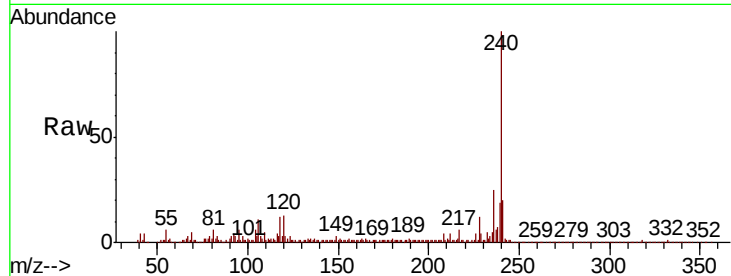
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116695.D
Acq: 31 Aug 2019 13:23

Instrument :
BNA_F
ClientSampleId :
T11-D1-D4-(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.2	9.1	13.7	
236	24.6	21.1	31.7	

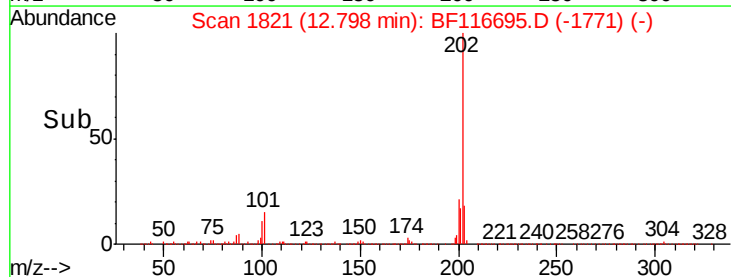
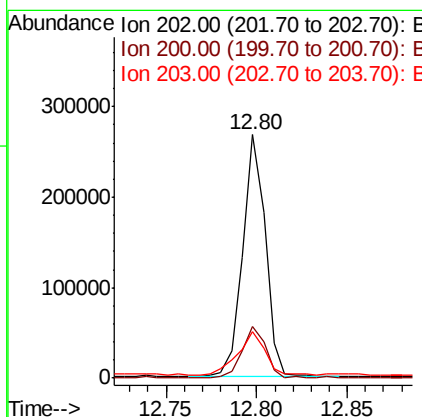
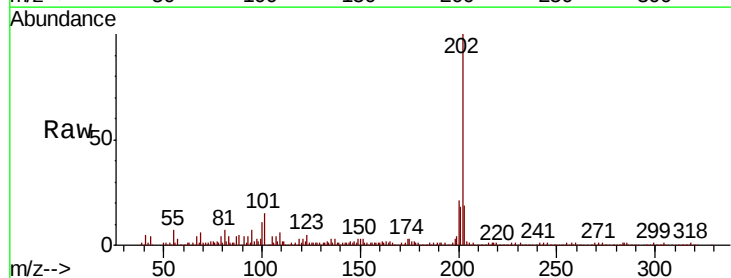
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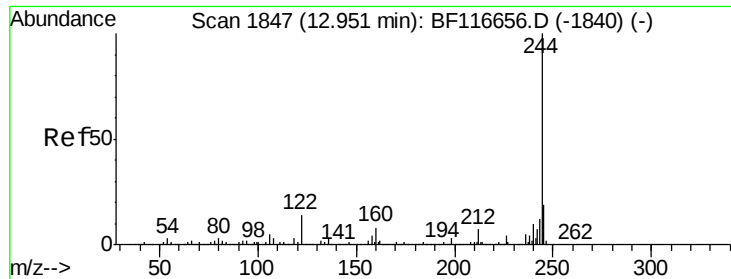
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#78
Pyrene
Concen: 11.858 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116695.D
Acq: 31 Aug 2019 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.3	16.5	24.7	
203	18.9	13.7	20.5	





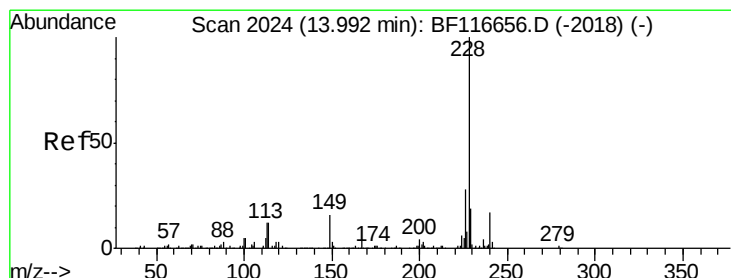
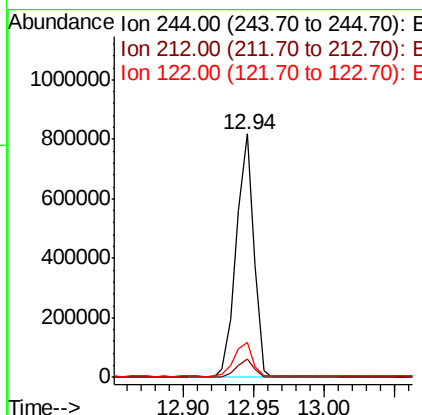
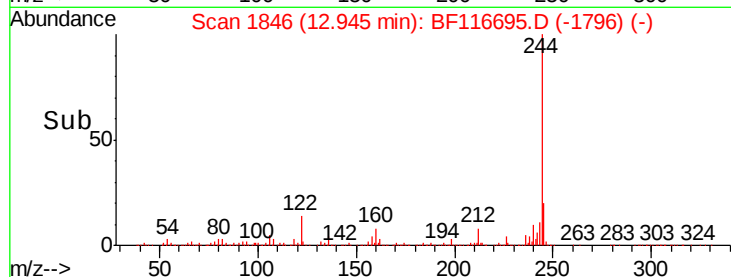
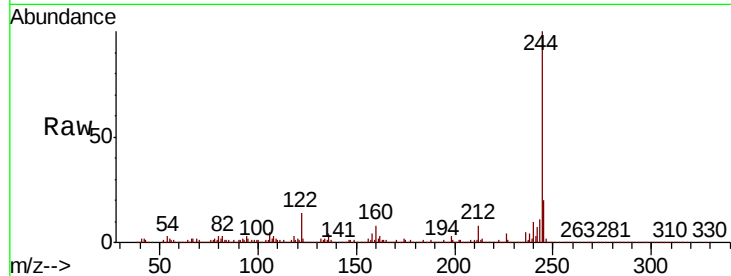
#79
 Terphenyl-d14
 Concen: 59.003 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116695.D
 Acq: 31 Aug 2019 13:23

Instrument :
 BNA_F
 ClientSampleId :
 T11-D1-D4-(0-4)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.1	9.1
122	14.3	10.2	15.4

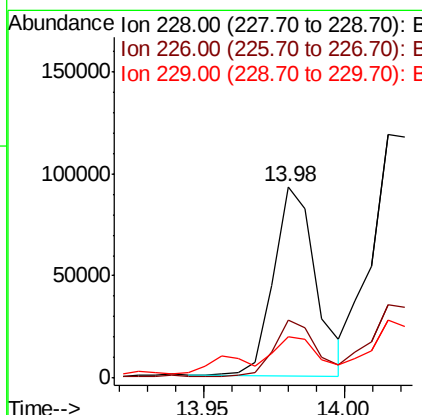
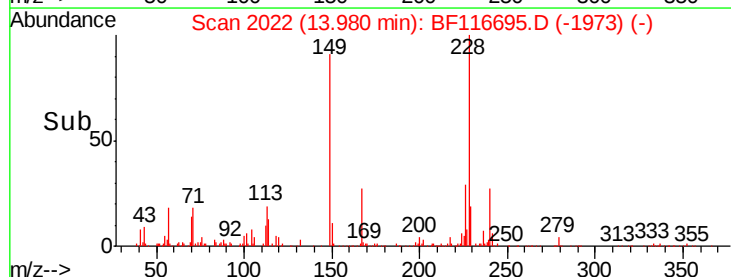
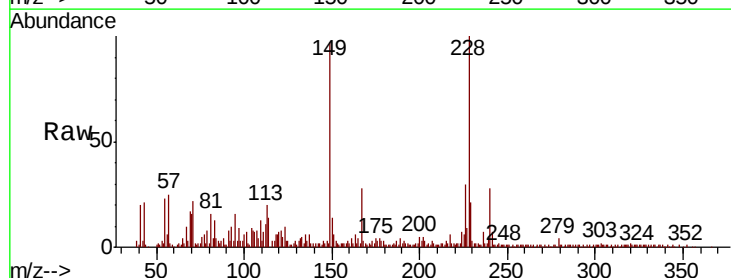
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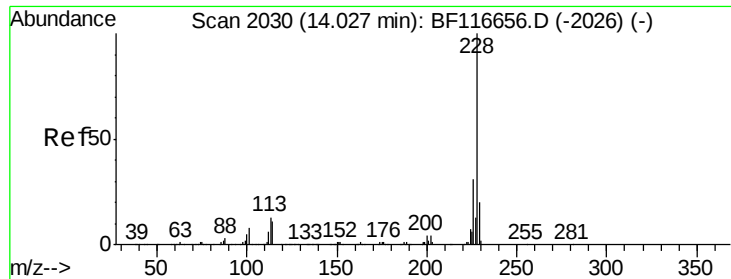
mohammad
 9/5/2019 9:23:22 AM



#81
 Benzo(a)anthracene
 Concen: 6.857 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF116695.D
 Acq: 31 Aug 2019 13:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.0	33.0
229	21.4	16.4	24.6





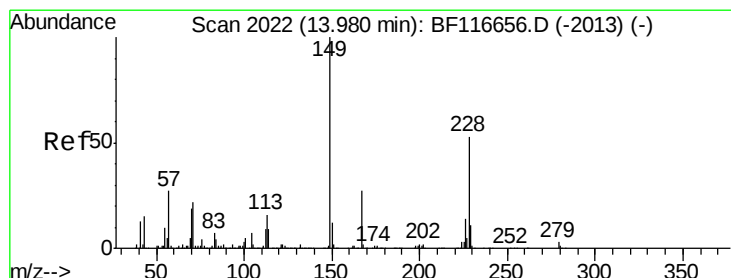
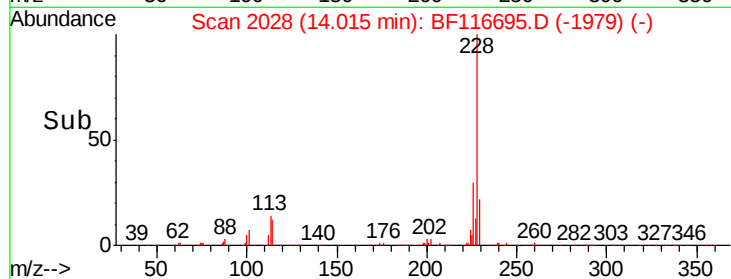
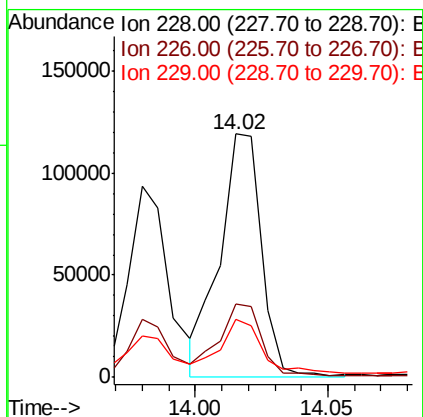
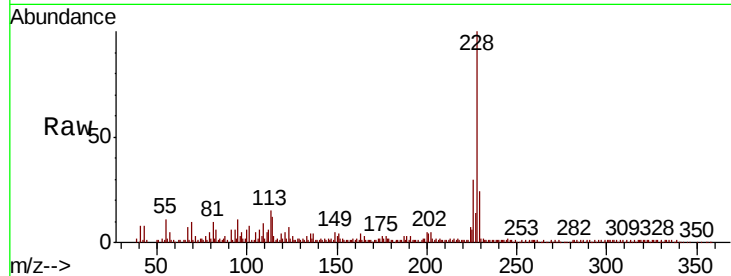
#83
 Chrvsene
 Concen: 9.084 ng/ml
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF116695.D
 Acq: 31 Aug 2019 13:23

Instrument :
 BNA_F
 ClientSampleId :
 T11-D1-D4-(0-4)

Tot Ion:	228	Resp:	131659
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.0	36.0
229	23.7	15.4	23.0#

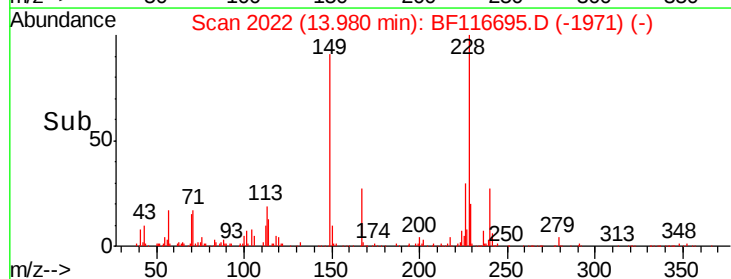
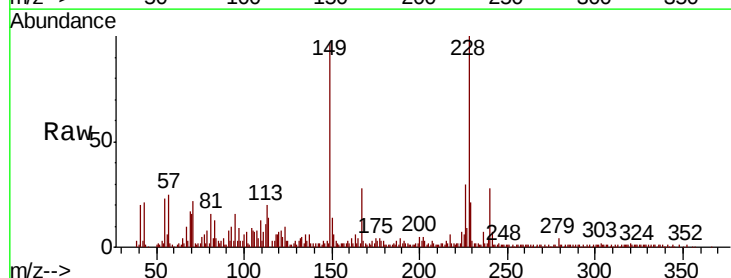
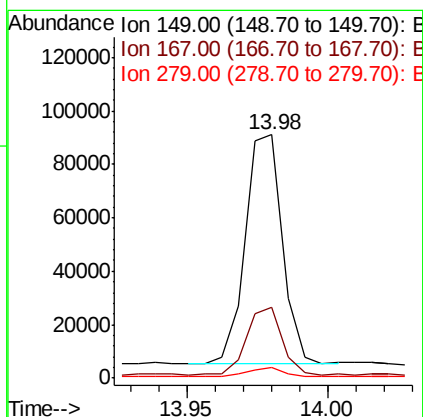
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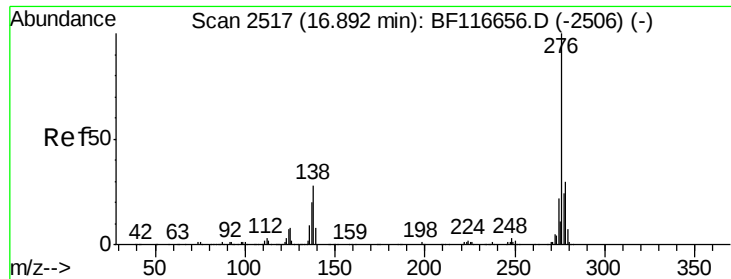
mohammad
 9/5/2019 9:23:22 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 6.530 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.00 min
 Lab File: BF116695.D
 Acq: 31 Aug 2019 13:23

Tgt Ion:	149	Resp:	77456
Ion Ratio	Lower	Upper	
149	100		
167	29.0	21.0	31.4
279	4.5	2.8	4.2#





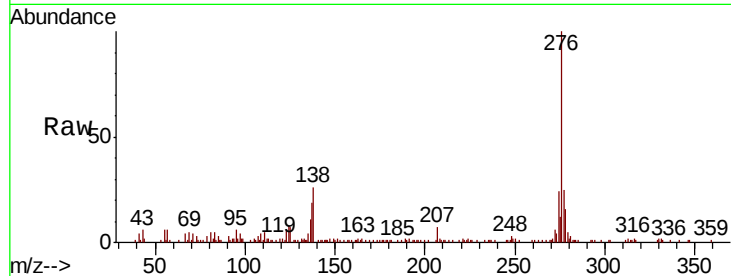
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.239 ng
 RT: 16.88 min Scan# 2515
 Delta R.T. -0.01 min
 Lab File: BF116695.D
 Acq: 31 Aug 2019 13:23

Instrument :
 BNA_F
 ClientSampleId :
 T11-D1-D4-(0-4)

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.8	19.4	29.2
277	25.9	20.5	30.7

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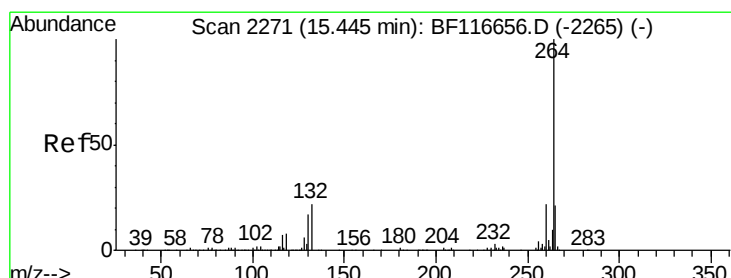
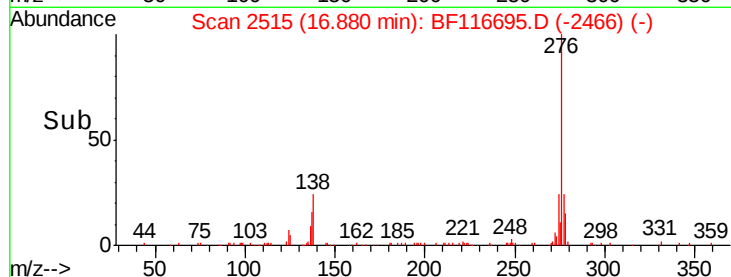
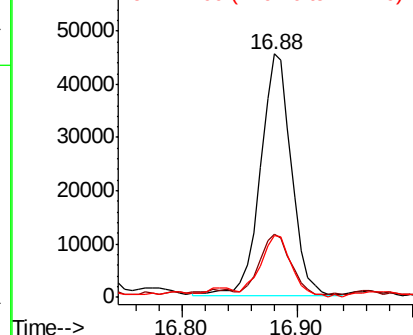


Abundance

Ion 276.00 (275.70 to 276.70): E

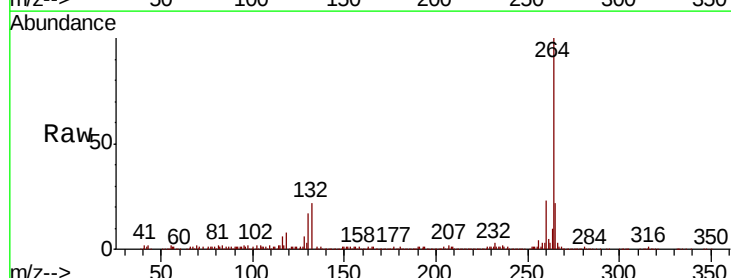
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: BF116695.D
 Acq: 31 Aug 2019 13:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.3	27.5
265	22.0	16.5	24.7

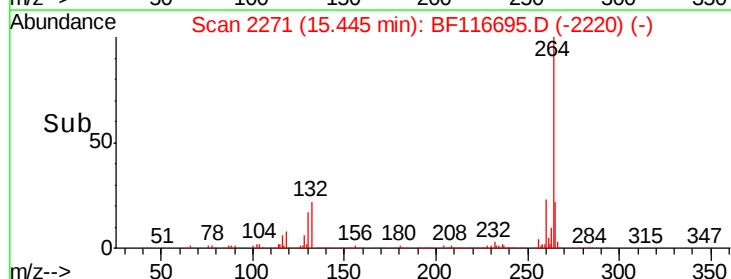
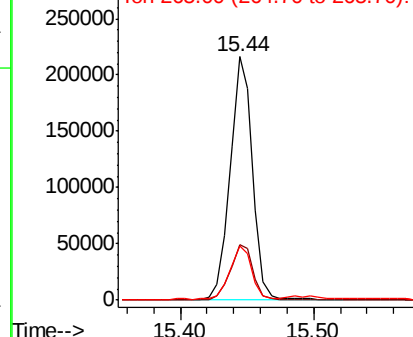


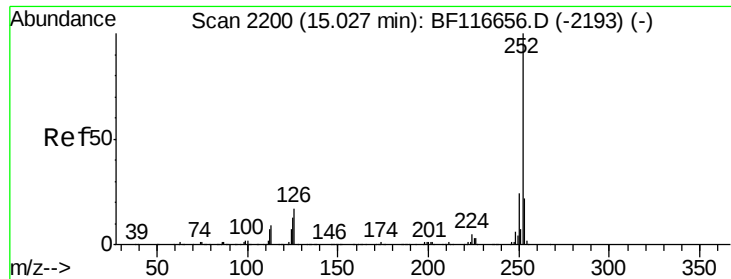
Abundance

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





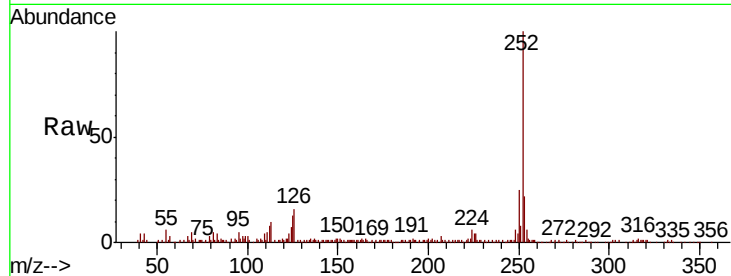
#88
Benzo(b)fluoranthene
Concen: 10.756 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116695.D
Acq: 31 Aug 2019 13:23

Instrument :
BNA_F
ClientSampleId :
T11-D1-D4-(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	13.4	8.2	12.2

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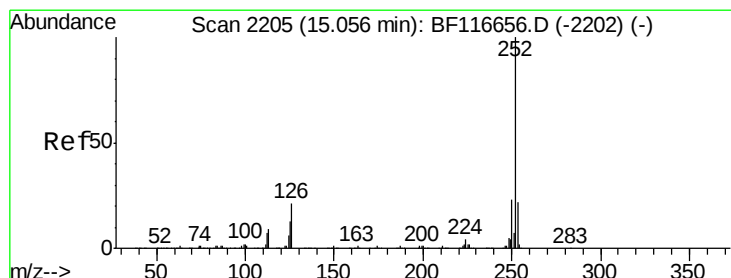
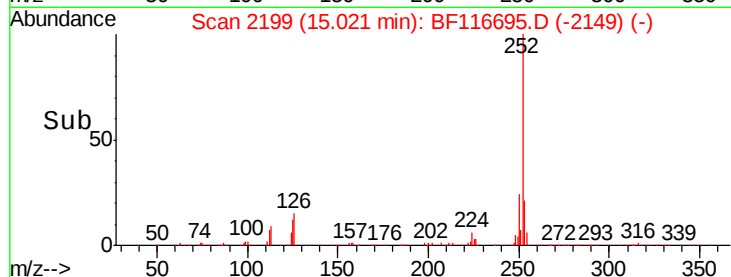
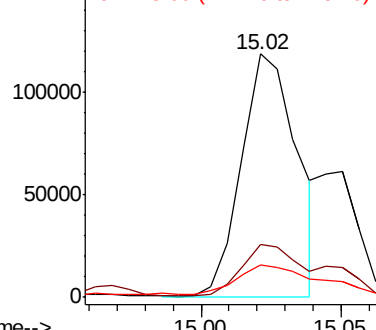


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 4.228 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF116695.D
Acq: 31 Aug 2019 13:23

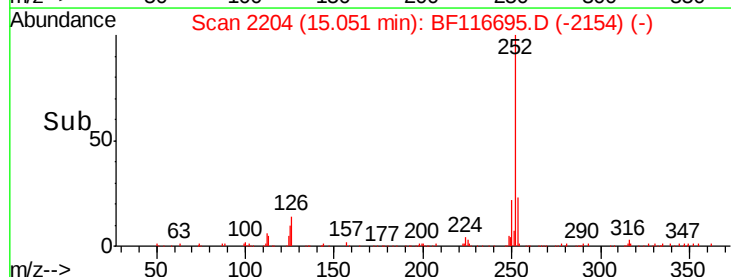
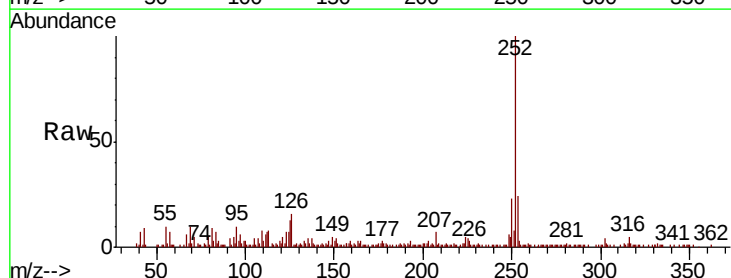
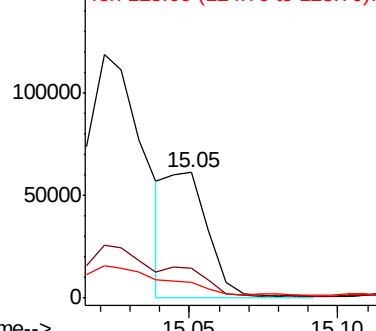
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	12.7	8.6	13.0

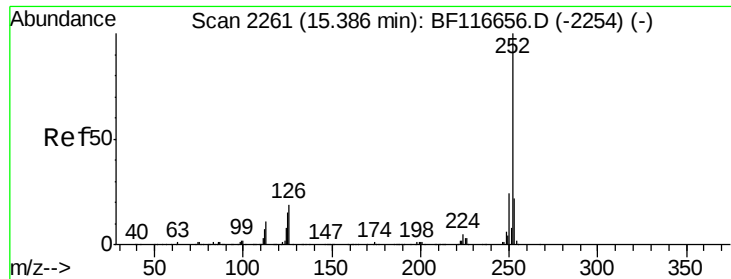
Abundance

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





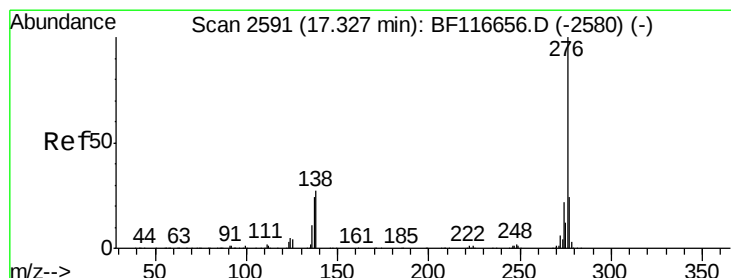
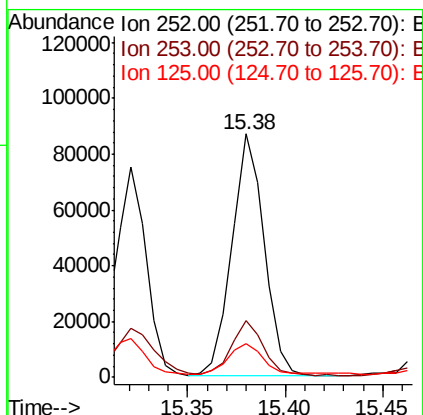
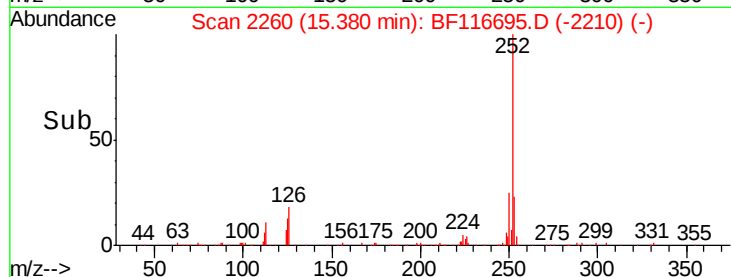
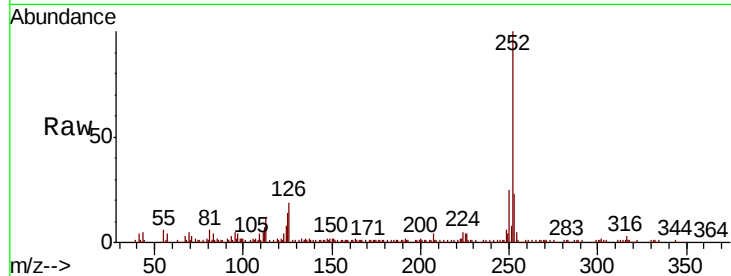
#90
Benzo(a)pyrene
Concen: 7.431 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF116695.D
Acq: 31 Aug 2019 13:23

Instrument :
BNA_F
ClientSampleId :
T11-D1-D4-(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	14.1	9.8	14.8

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#92
Benzo(g,h,i)perylene
Concen: 6.820 ng
RT: 17.32 min Scan# 2589
Delta R.T. -0.01 min
Lab File: BF116695.D
Acq: 31 Aug 2019 13:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.5	27.7
138	27.4	16.2	24.2

