

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116741.D
 Acq On : 1 Sep 2019 14:38
 Operator : HP/JU
 Sample : K4525-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-A1-A4-(0-1.9)

Manual Integrations
 APPROVED

mohammad
 9/5/2019 9:54:17 AM

Quant Time: Sep 02 05:38:40 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	120370	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	486072	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	256017	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	435843	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	352230	20.00	ng	-0.01
87) Perylene-d12	15.44	264	324415	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	752215	101.24	ng	0.00
7) Phenol-d6	6.47	99	1048449	107.46	ng	0.00
23) Nitrobenzene-d5	7.40	82	650579	76.41	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	209901	122.64	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	902078	59.44	ng	-0.01
79) Terphenyl-d14	12.94	244	946142	49.69	ng	-0.01
Target Compounds						
10) Phenol	6.48	94	49448	4.577	ng	98
50) Dimethylphthalate	9.59	163	93719	5.302	ng	100
71) Phenanthrene	11.38	178	67469	2.781	ng	98
75) Fluoranthene	12.56	202	146213	6.132	ng	96
78) Pyrene	12.79	202	136320	4.354	ng	99
81) Benzo(a)anthracene	13.97	228	60594	2.718	ng	99
83) Chrysene	14.01	228	64413m	2.805	ng	
84) Bis(2-ethylhexyl)phthalate	13.97	149	102266	5.441	ng	99
88) Benzo(b)fluoranthene	15.02	252	74638m	3.805	ng	
90) Benzo(a)pyrene	15.37	252	48192	2.824	ng	# 90
92) Benzo(g,h,i)perylene	17.30	276	33639	2.208	ng	# 88

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

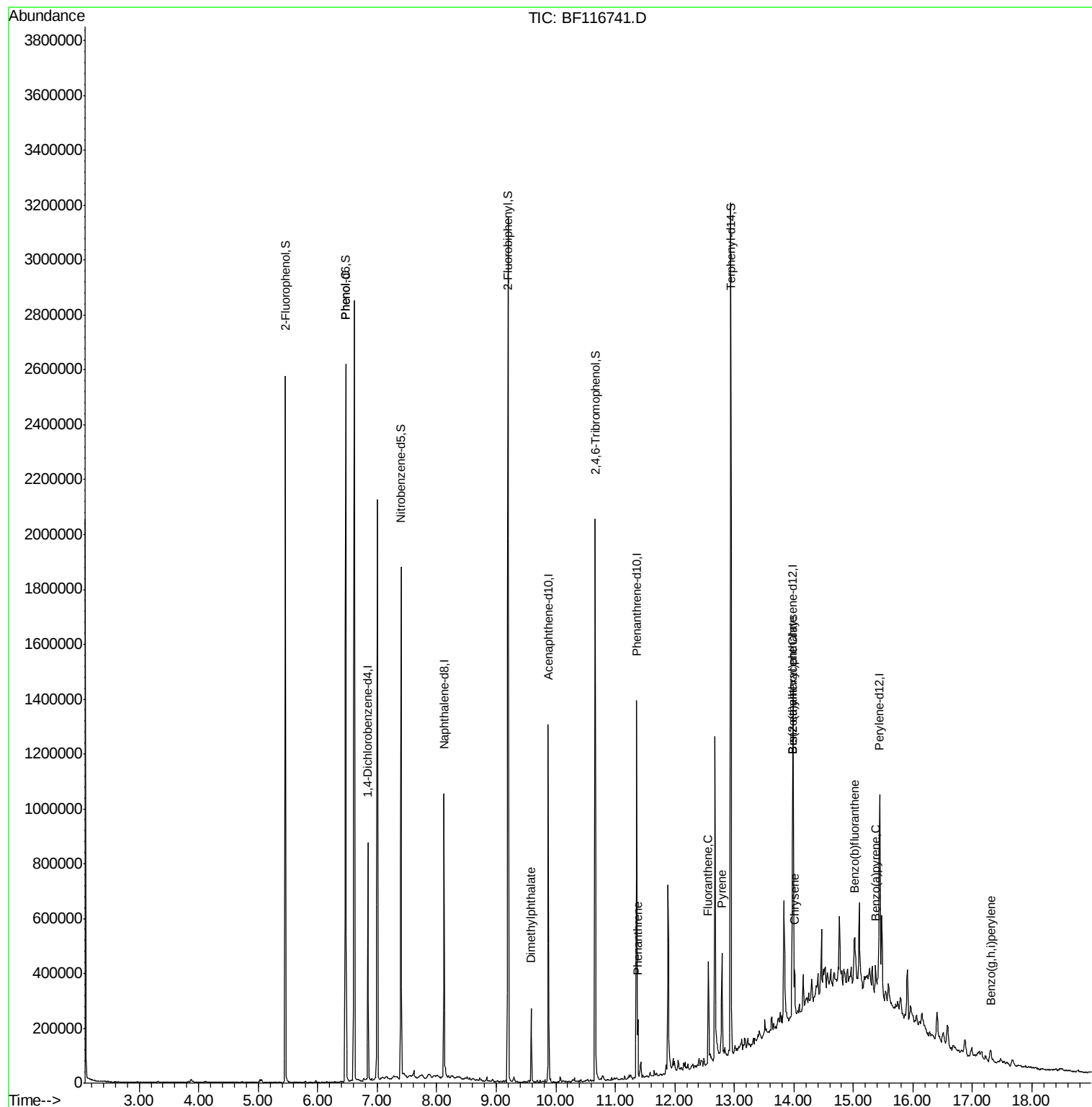
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116741.D
Acq On : 1 Sep 2019 14:38
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Sample : K4525-01
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ALS Vial : 4 Sample Multiplier: 1

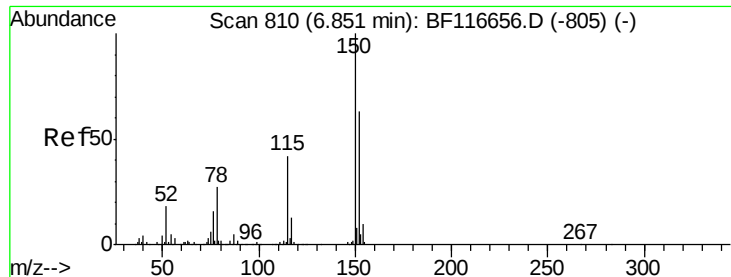
Instrument :
BNA_F
ClientSampleId :
T9-12-13-A1-A4-(0-1.9)

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Quant Time: Sep 02 05:38:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

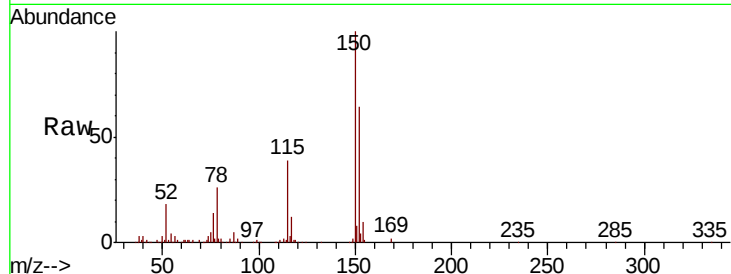
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116741.D
Acq: 1 Sep 2019 14:38

Instrument :
BNA_F
ClientSampleId :
T9-12-13-A1-A4-(0-1.9)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.4	186.6
115	61.6	49.9	74.9

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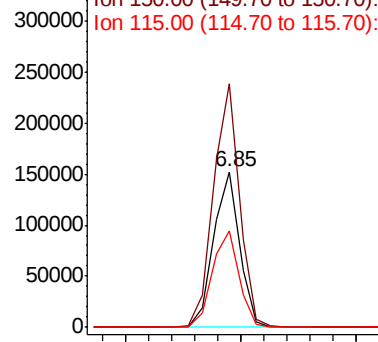


Abundance

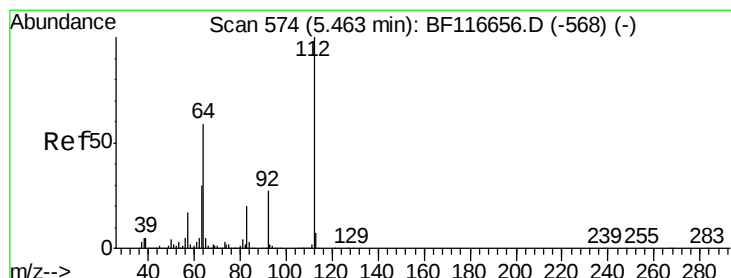
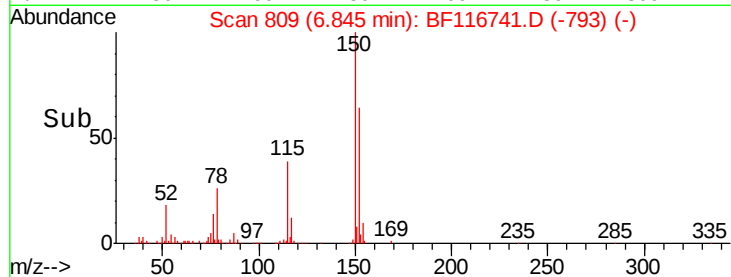
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



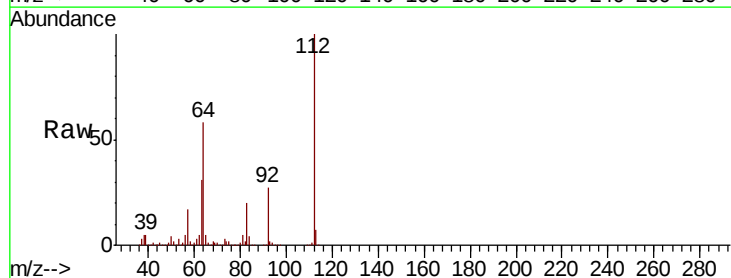
Time-->



#5

2-Fluorophenol
Concen: 101.240 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116741.D
Acq: 1 Sep 2019 14:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	47.1	70.7
63	30.7	24.9	37.3

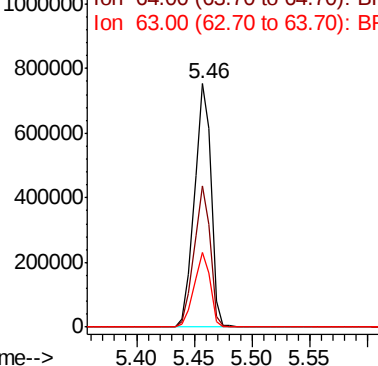


Abundance

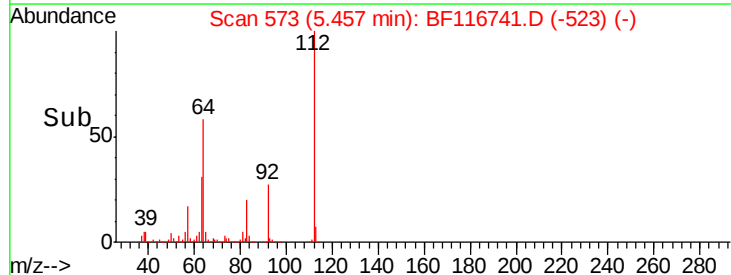
Ion 112.00 (111.70 to 112.70): E

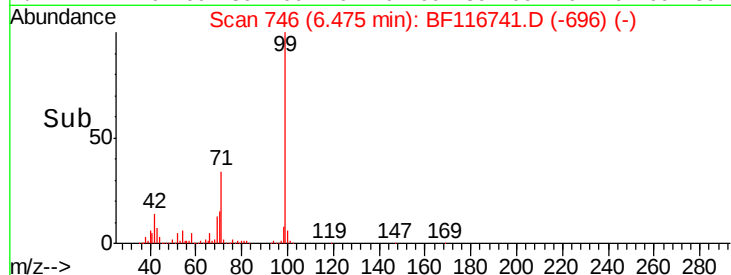
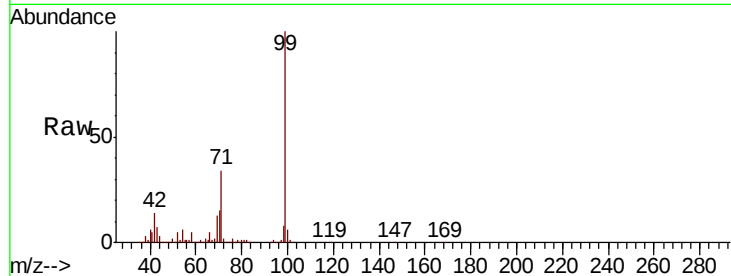
Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



Time-->





#7

Phenol-d6

Concen: 107.463 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116741.D

Acq: 1 Sep 2019 14:38

Tot Ion: 99 Resp: 1048449

Ion Ratio Lower Upper

99 100

42 14.2 13.7 20.5

71 33.6 30.8 46.2

Instrument :

BNA_F

ClientSampleId :

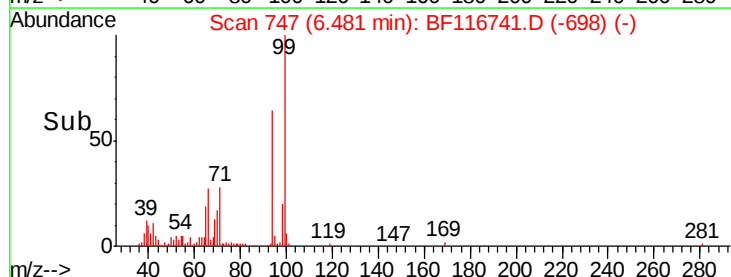
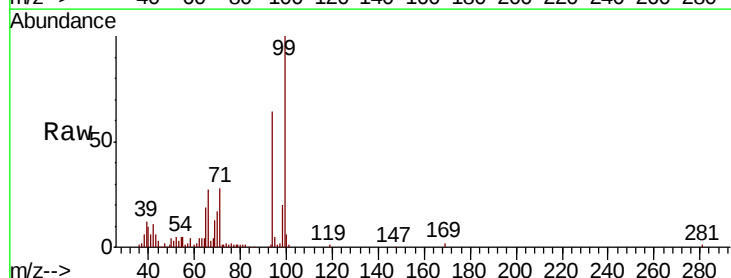
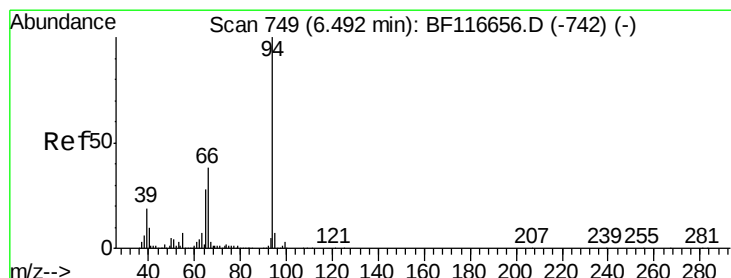
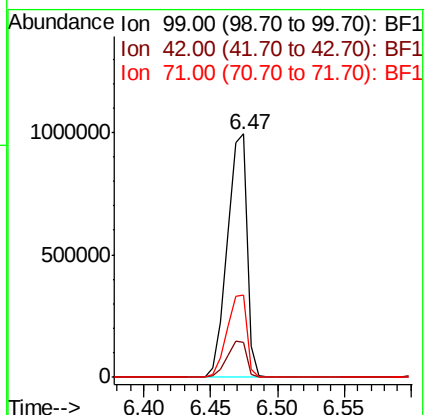
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#10

Phenol

Concen: 4.577 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116741.D

Acq: 1 Sep 2019 14:38

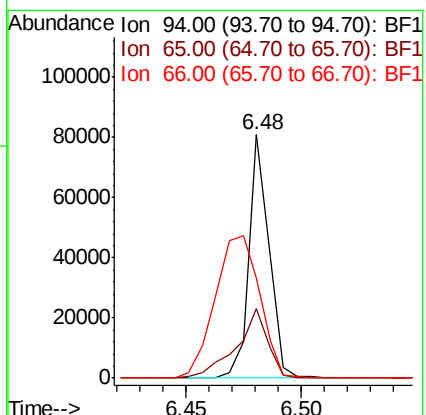
Tgt Ion: 94 Resp: 49448

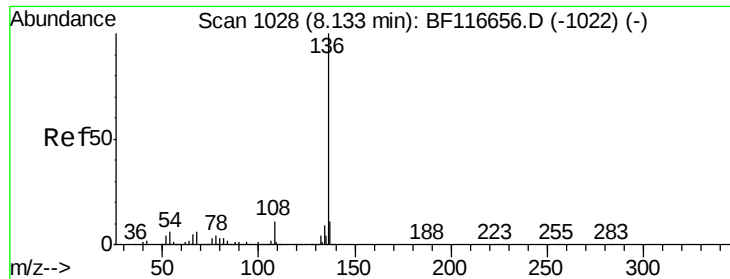
Ion Ratio Lower Upper

94 100

65 28.8 10.8 50.8

66 41.3 21.1 61.1





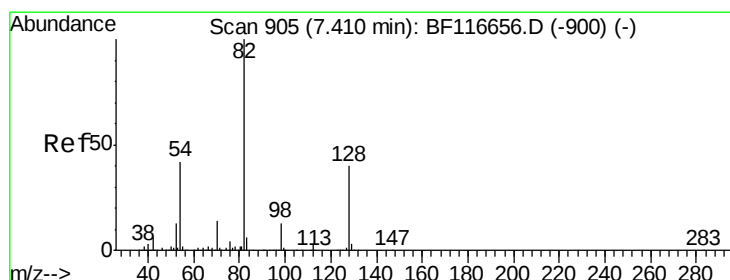
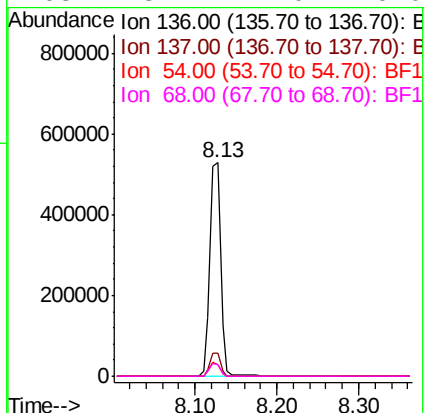
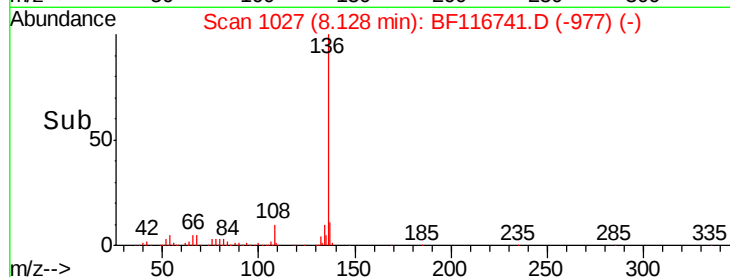
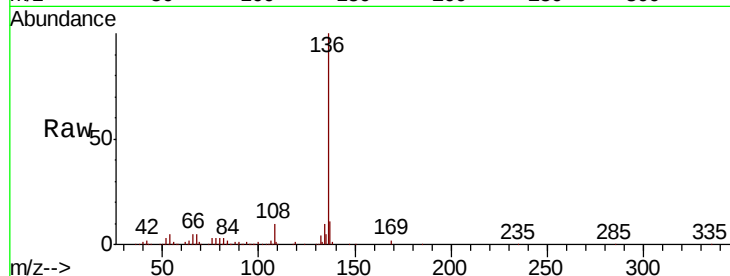
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116741.D
Acq: 1 Sep 2019 14:38

Instrument :
BNA_F
ClientSampleId :
T9-12-13-A1-A4-(0-1.9)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	486072		
137	10.9		8.9	13.3
54	5.3		4.8	7.2
68	5.1		4.0	6.0

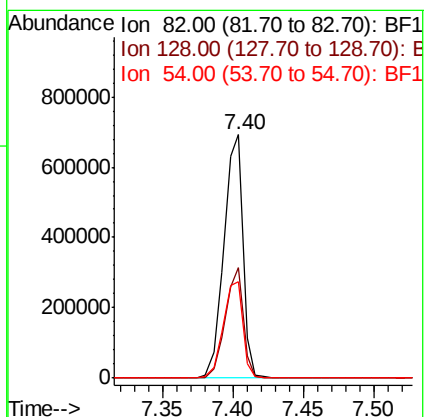
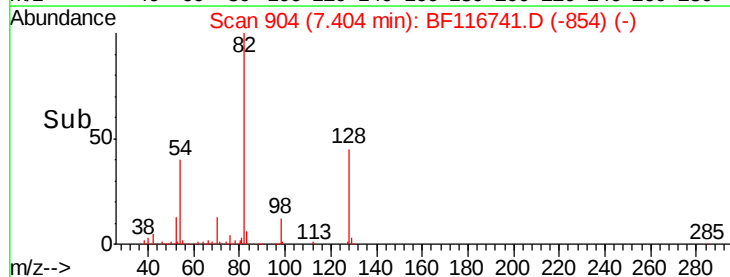
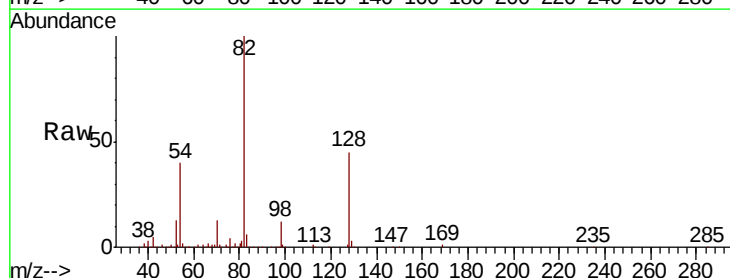
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#23
Nitrobenzene-d5
Concen: 76.408 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116741.D
Acq: 1 Sep 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	650579		
128	45.3		32.8	49.2
54	39.8		36.9	55.3





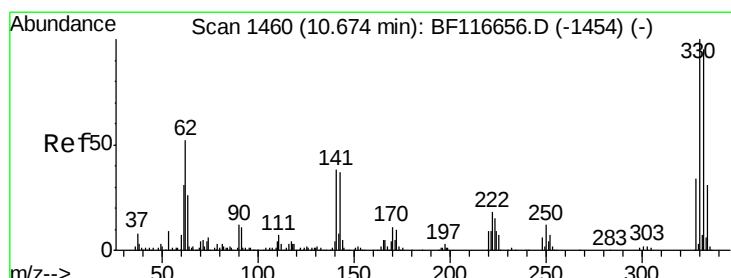
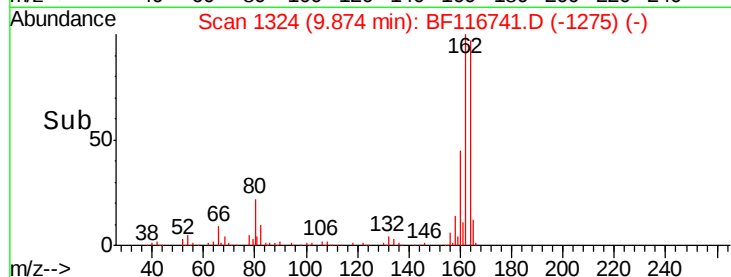
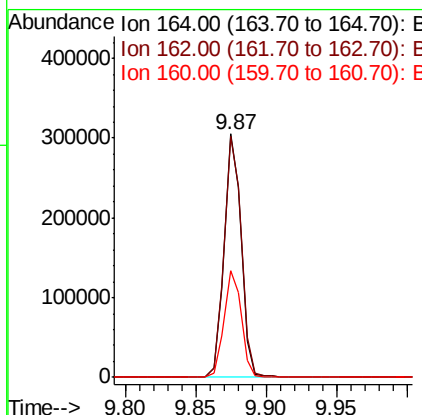
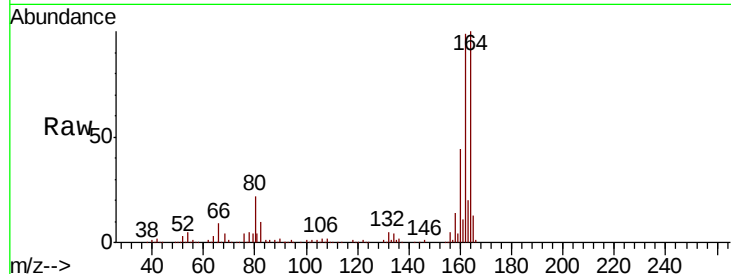
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF116741.D
Acq: 1 Sep 2019 14:38

Instrument :
BNA_F
ClientSampleId :
T9-12-13-A1-A4-(0-1.9)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	256017		
162	98.8	81.4	122.0	
160	43.9	35.4	53.2	

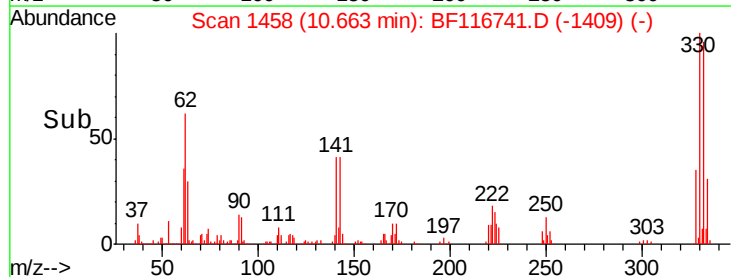
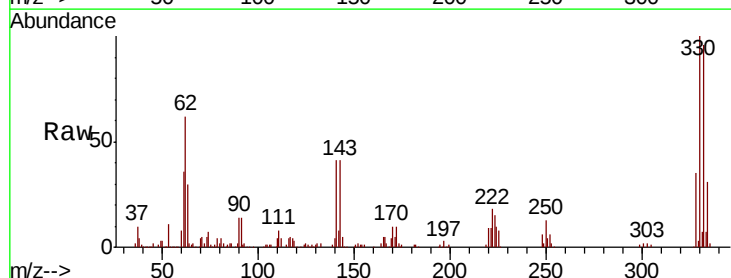
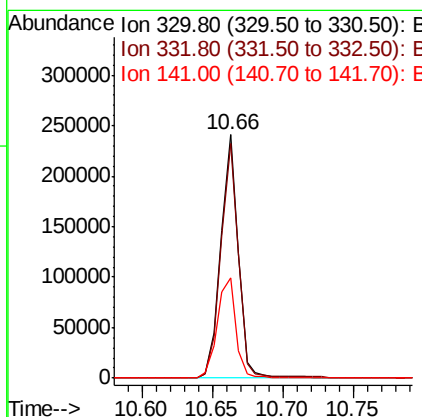
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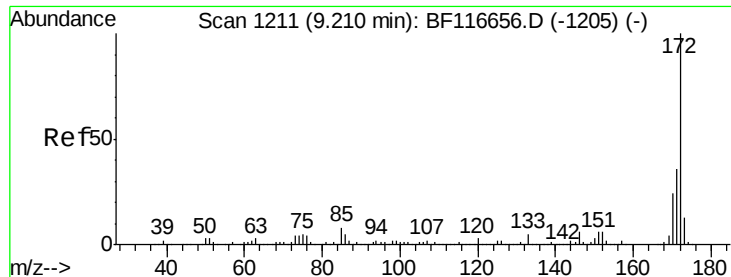
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#42
2,4,6-Tribromophenol
Concen: 122.640 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116741.D
Acq: 1 Sep 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	209901		
332	97.2	76.9	115.3	
141	44.3	31.4	47.2	





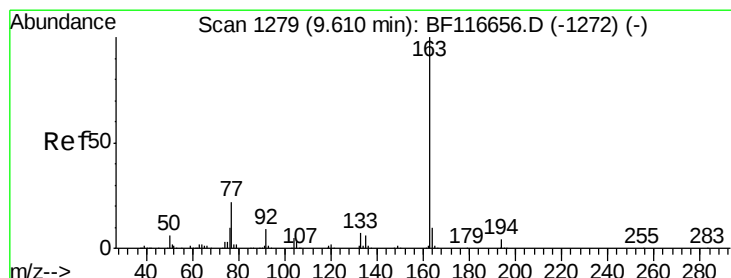
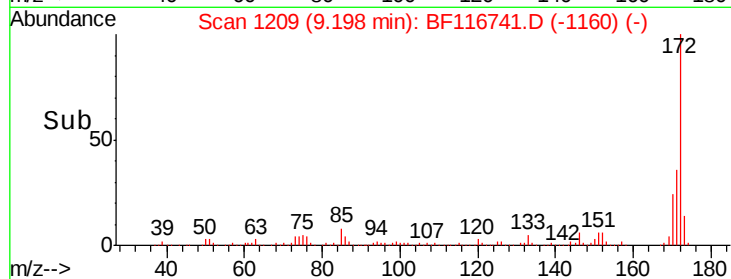
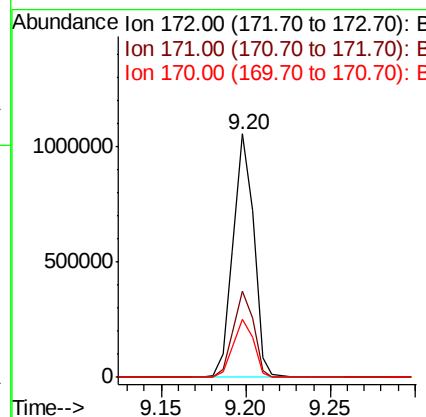
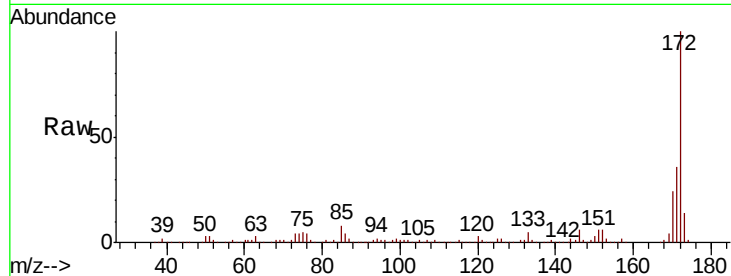
#45
2-Fluorobiphenyl
Concen: 59.438 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF116741.D
Acq: 1 Sep 2019 14:38

Instrument :
BNA_F
ClientSampleId :
T9-12-13-A1-A4-(0-1.9)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	902078		
171	35.6		27.8	41.6
170	23.8		18.9	28.3

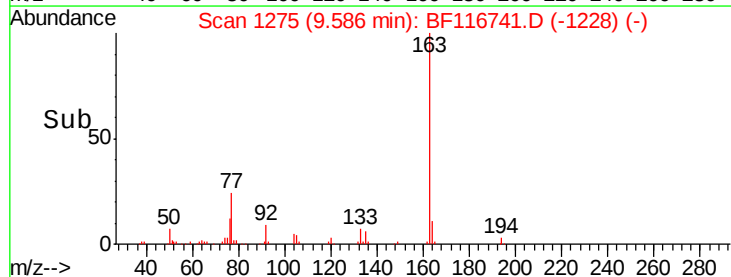
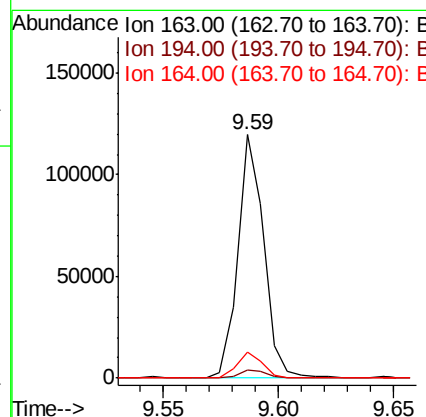
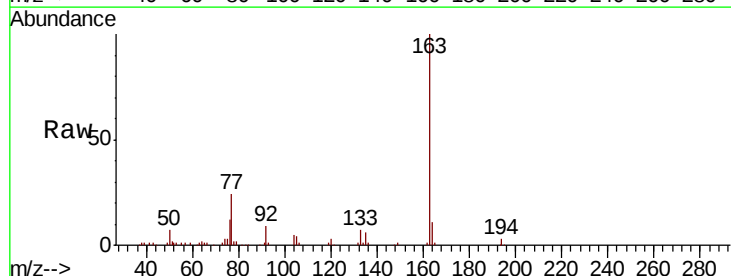
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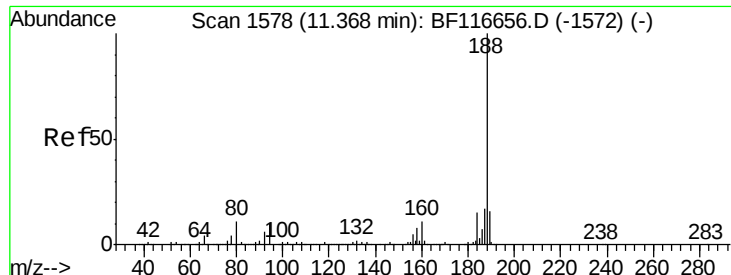
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#50
Dimethylphthalate
Concen: 5.302 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116741.D
Acq: 1 Sep 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	93719		
194	3.5		2.8	4.2
164	10.7		8.6	12.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116741.D

Acq: 1 Sep 2019 14:38

Instrument :

BNA_F

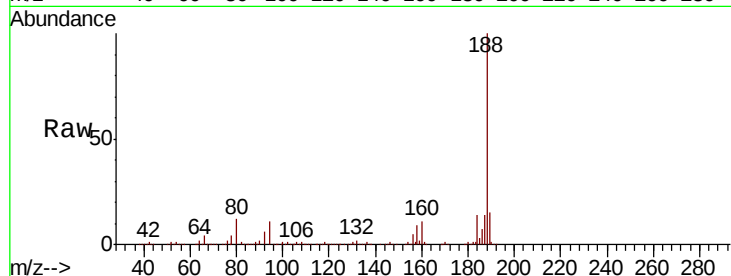
ClientSampleId :

T9-12-13-A1-A4-(0-1.9)

Tot Ion:	188	Resp:	435843
Ion Ratio	Lower	Upper	
188	100		
94	11.0	7.3	10.9#
80	12.3	8.4	12.6

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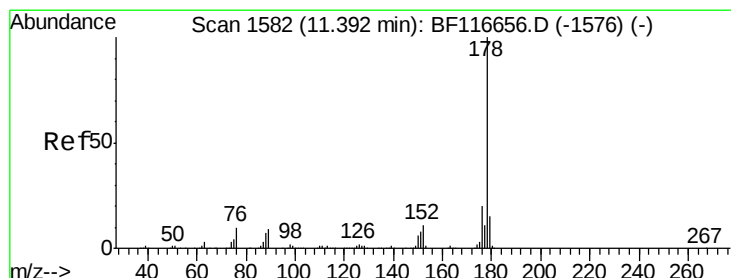
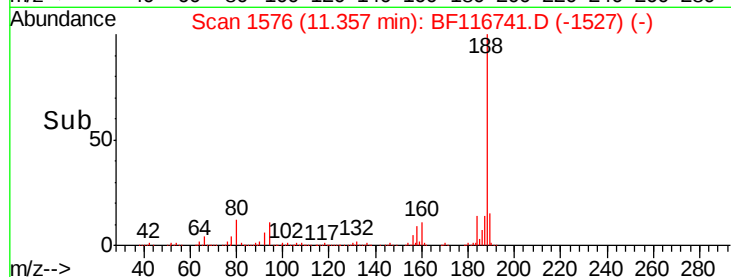
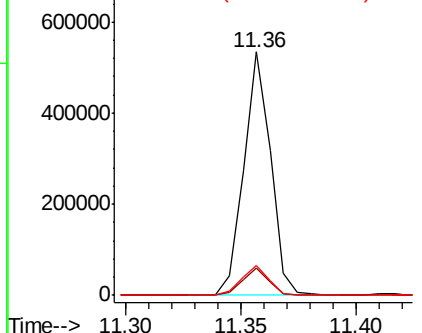
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 2.781 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF116741.D

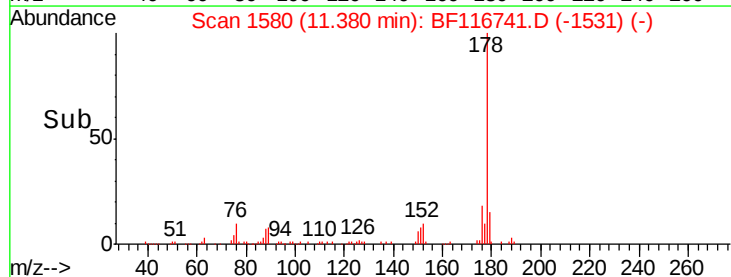
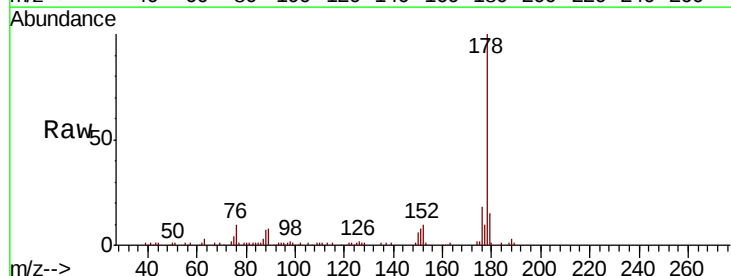
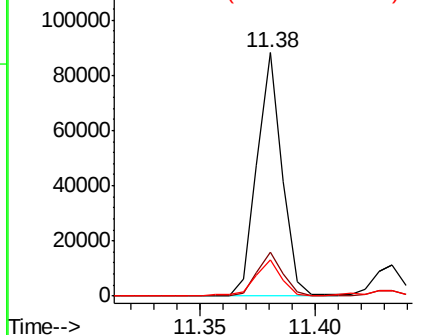
Acq: 1 Sep 2019 14:38

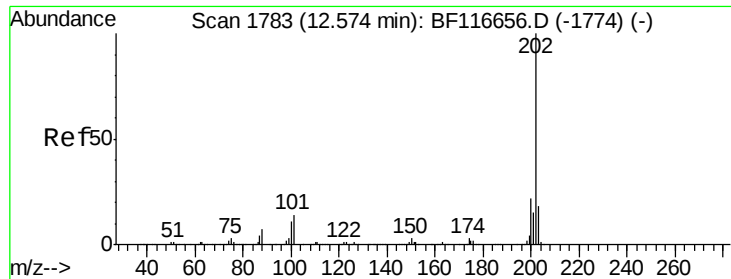
Tgt Ion:	178	Resp:	67469
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.4	23.0
179	14.7	12.2	18.2

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: 6.132 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF116741.D

Acq: 1 Sep 2019 14:38

Instrument :

BNA_F

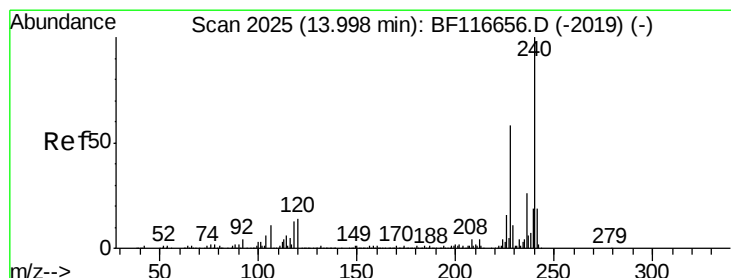
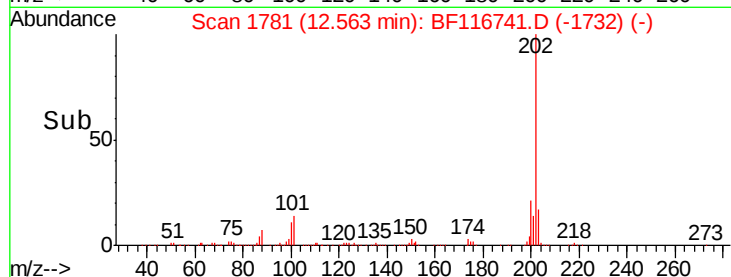
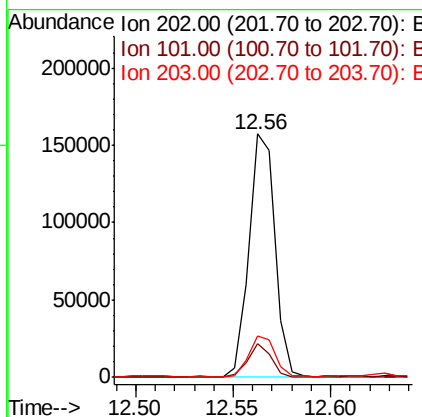
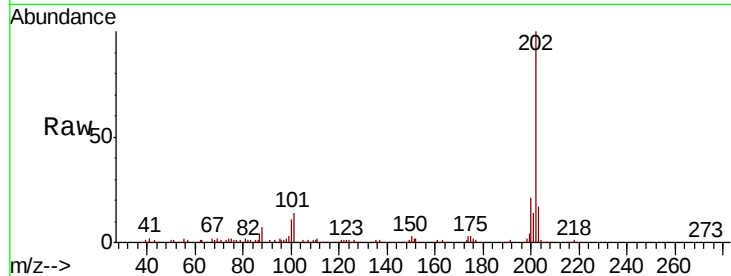
ClientSampleId :

T9-12-13-A1-A4-(0-1.9)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	146213		
101	14.0	0.0	31.3	
203	16.9	0.0	37.6	

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#76

Chrysene-d12

Concen: 20.000 ng

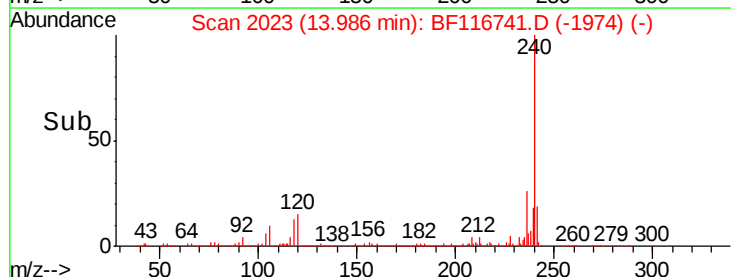
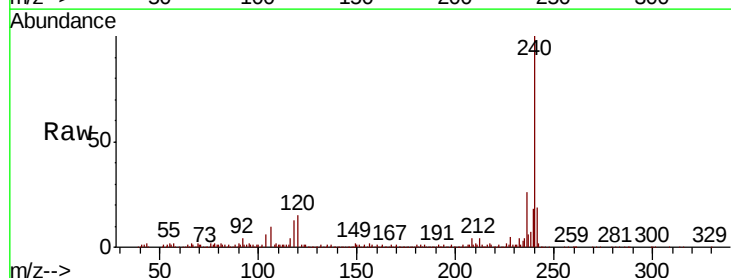
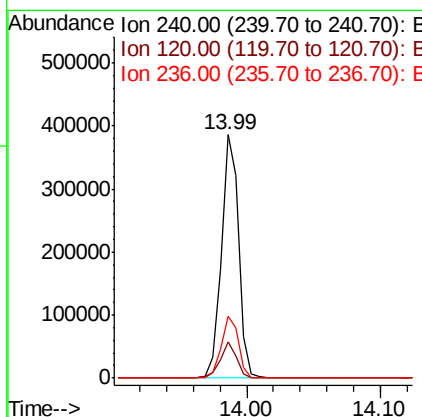
RT: 13.99 min Scan# 2023

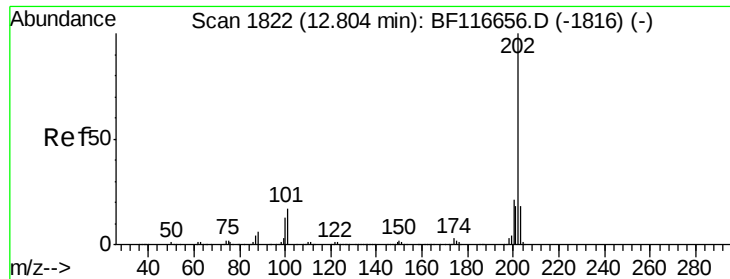
Delta R.T. -0.01 min

Lab File: BF116741.D

Acq: 1 Sep 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	352230		
120	14.8	9.1	13.7#	
236	25.5	21.1	31.7	





#78

Pvrene

Concen: 4.354 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF116741.D

Acq: 1 Sep 2019 14:38

Instrument :

BNA_F

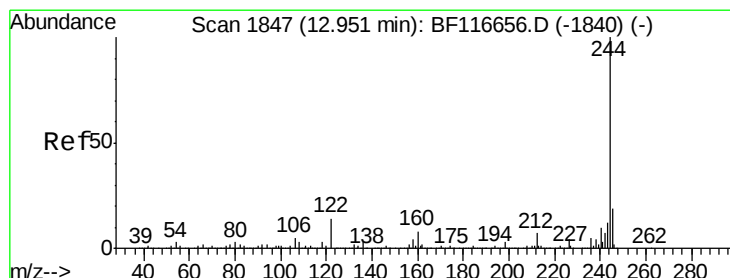
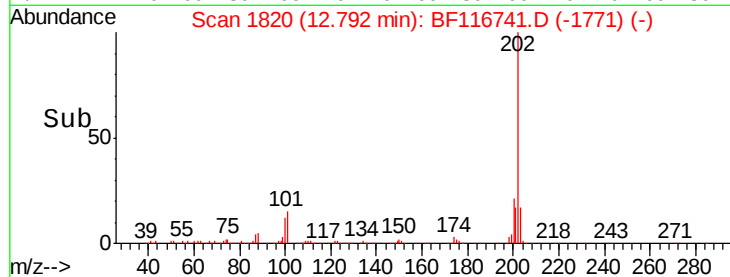
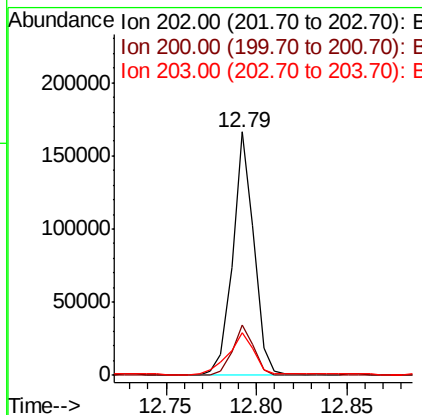
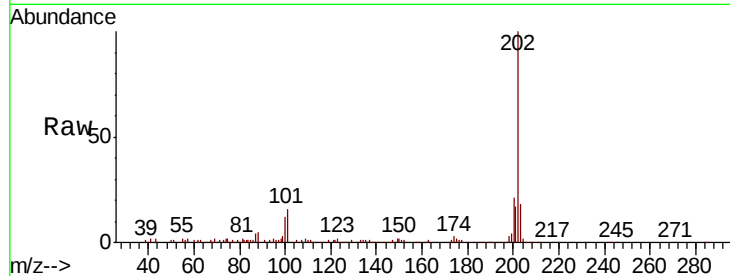
ClientSampleId :

T9-12-13-A1-A4-(0-1.9)

Tot Ion:	202	Resp:	136320
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.5	24.7
203	17.6	13.7	20.5

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#79

Terphenyl-d14

Concen: 49.692 ng

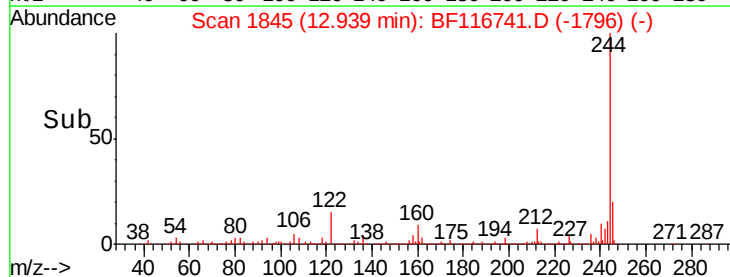
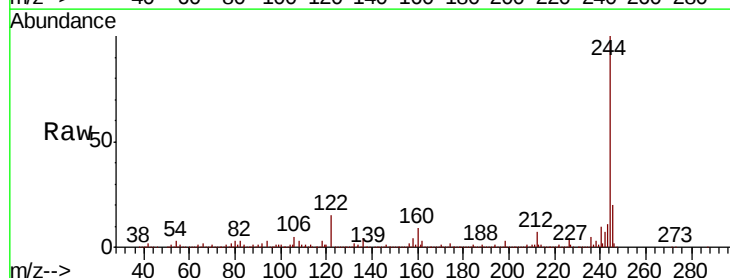
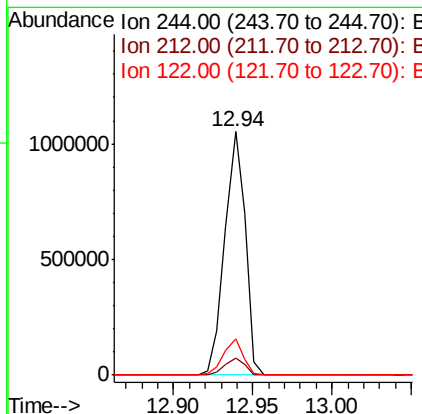
RT: 12.94 min Scan# 1845

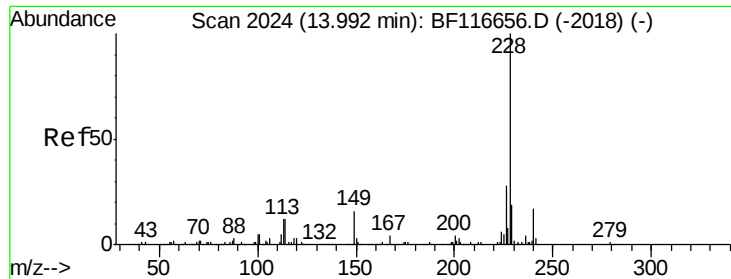
Delta R.T. -0.01 min

Lab File: BF116741.D

Acq: 1 Sep 2019 14:38

Tgt Ion:	244	Resp:	946142
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.1	9.1
122	15.0	10.2	15.4





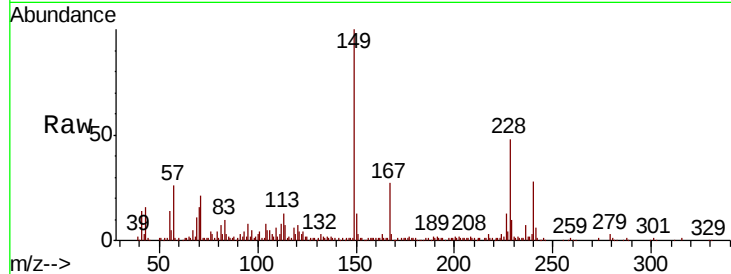
#81
Benzo(a)anthracene
Concen: 2.718 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF116741.D
Acq: 1 Sep 2019 14:38

Instrument :
BNA_F
ClientSampleId :
T9-12-13-A1-A4-(0-1.9)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.0	33.0
229	21.4	16.4	24.6

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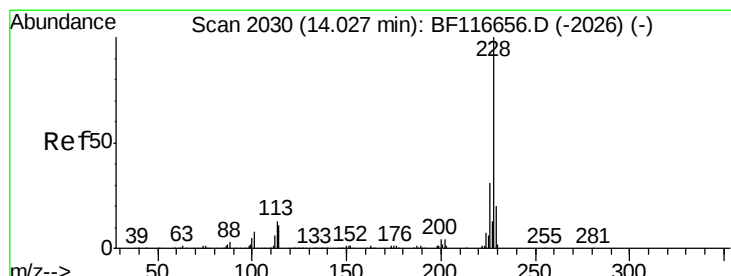
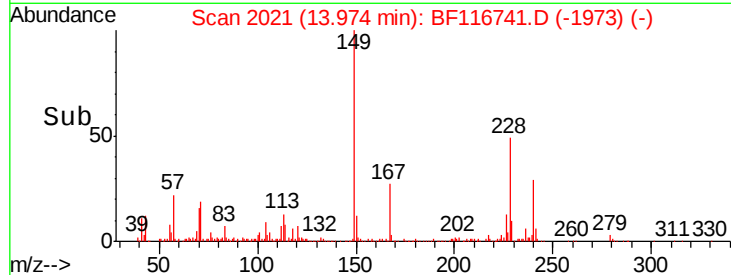
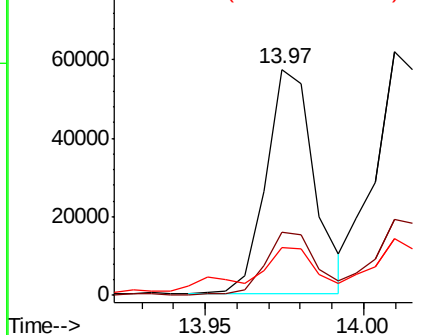


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 2.805 ng m
RT: 14.01 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BF116741.D
Acq: 1 Sep 2019 14:38

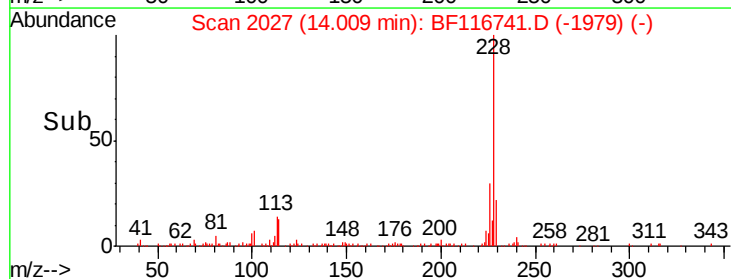
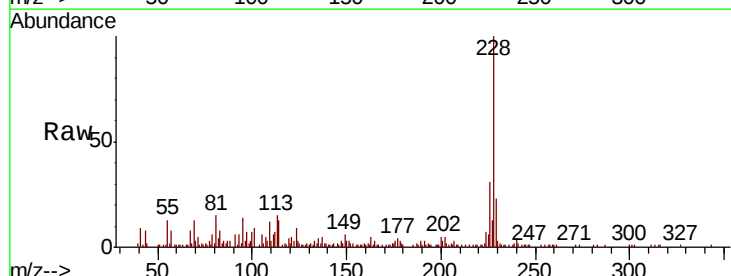
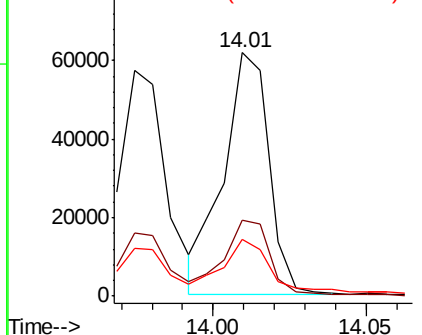
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.0	36.0
229	23.0	15.4	23.0

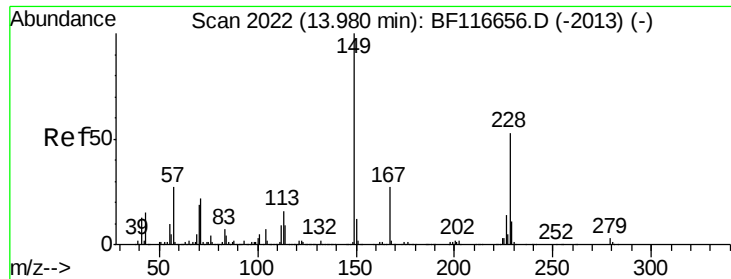
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.441 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF116741.D

Acq: 1 Sep 2019 14:38

Instrument :

BNA_F

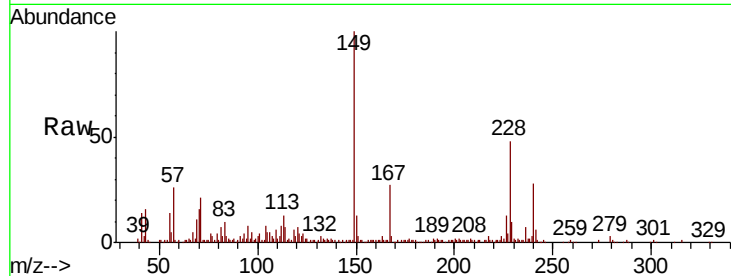
ClientSampleId :

T9-12-13-A1-A4-(0-1.9)

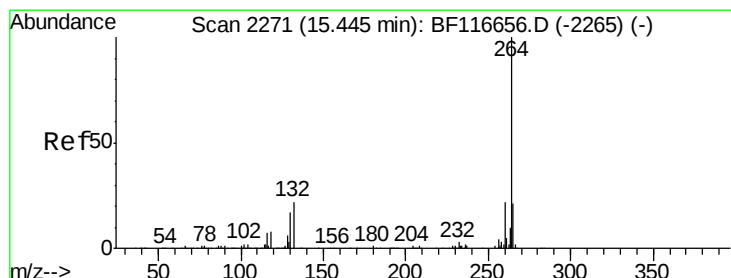
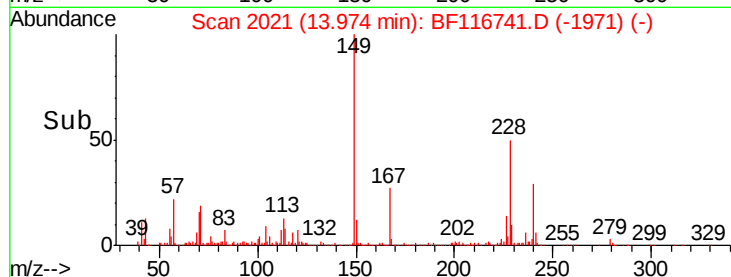
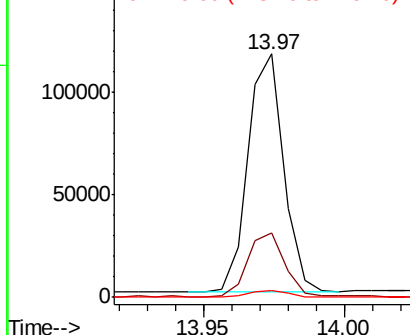
Tot Ion:	149	Resp:	102266
Ion Ratio	Lower	Upper	
149	100		
167	26.6	21.0	31.4
279	3.0	2.8	4.2

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



#87

Perylene-d12

Concen: 20.000 ng

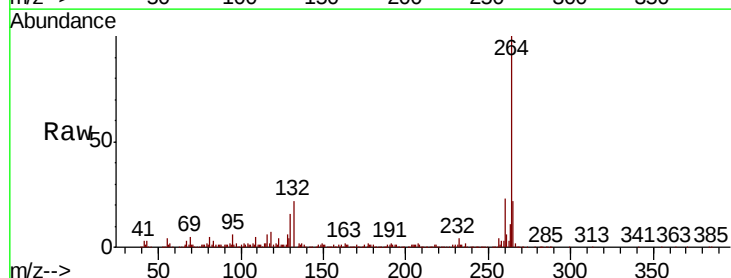
RT: 15.44 min Scan# 2270

Delta R.T. -0.01 min

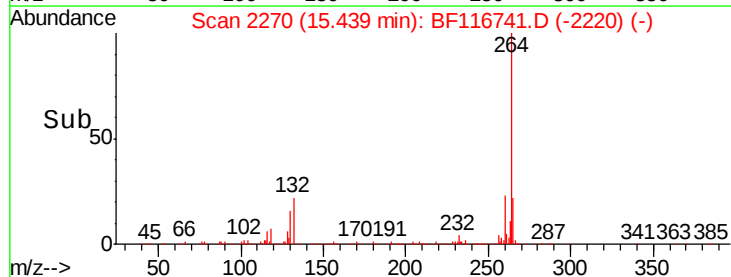
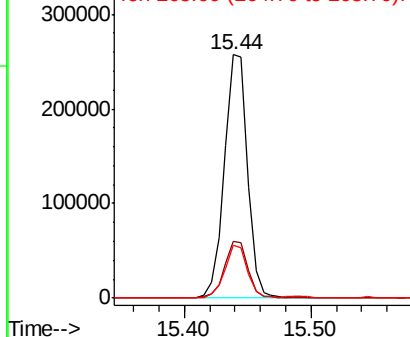
Lab File: BF116741.D

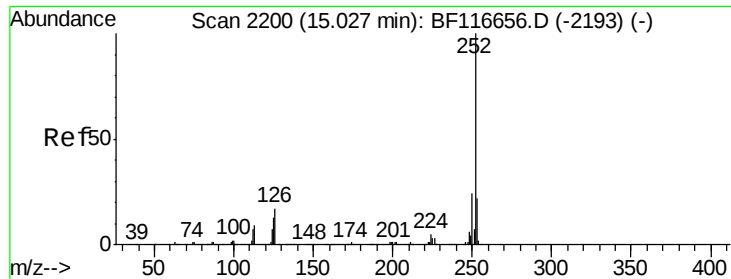
Acq: 1 Sep 2019 14:38

Tgt Ion:	264	Resp:	324415
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.3	27.5
265	21.6	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





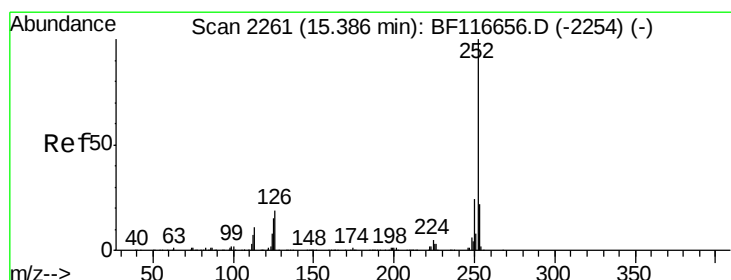
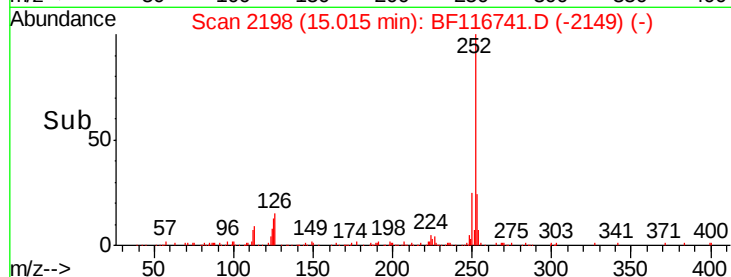
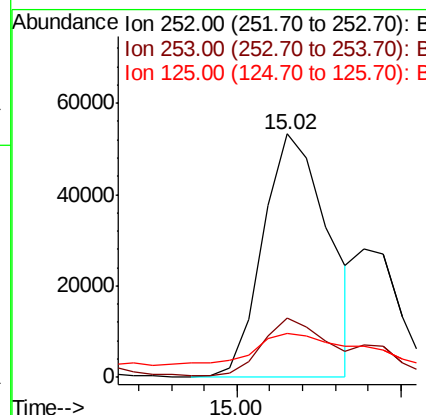
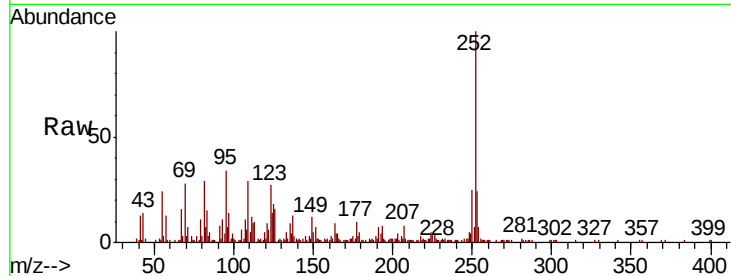
#88
Benzo(b)fluoranthene
Concen: 3.805 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF116741.D
Acq: 1 Sep 2019 14:38

Instrument :
BNA_F
ClientSampleId :
T9-12-13-A1-A4-(0-1.9)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.7	26.5
125	18.1	8.2	12.2

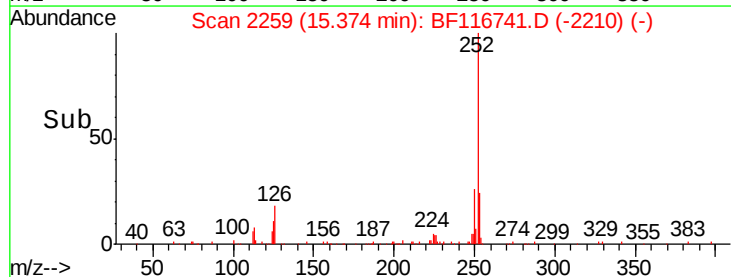
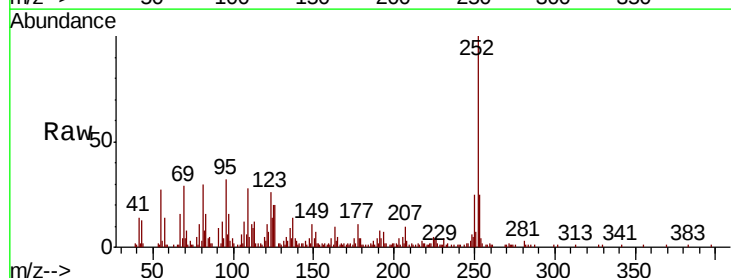
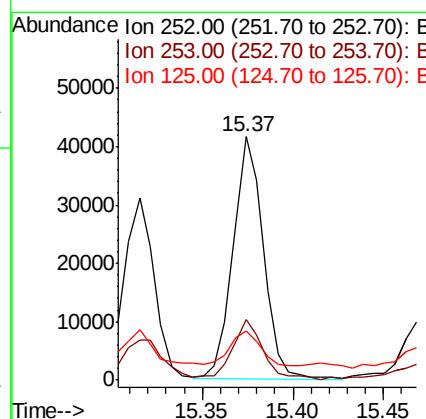
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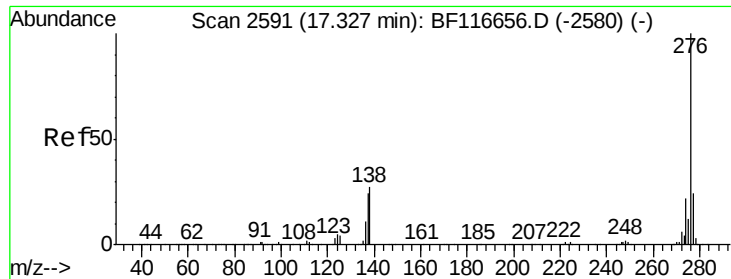
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#90
Benzo(a)pyrene
Concen: 2.824 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF116741.D
Acq: 1 Sep 2019 14:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.1	27.1
125	20.3	9.8	14.8





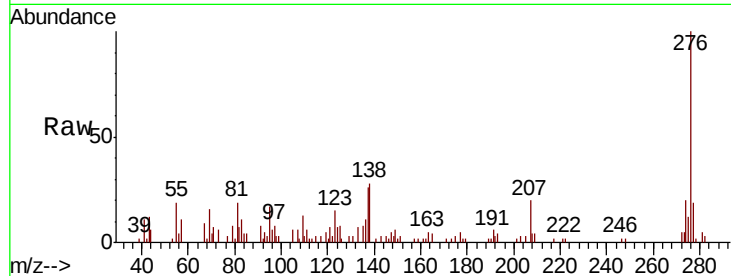
#92
 Benzo(a,h,i)perylene
 Concen: 2.208 ng
 RT: 17.30 min Scan# 2587
 Delta R.T. -0.02 min
 Lab File: BF116741.D
 Acq: 1 Sep 2019 14:38

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-A1-A4-(0-1.9)

Tot Ion	Ratio	Lower	Upper
276	100		
277	19.4	18.5	27.7
138	28.4	16.2	24.2

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

