

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
 Data File : BF116374.D
 Acq On : 18 Aug 2019 3:12
 Operator : HP/JU
 Sample : K4384-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3(3-4)

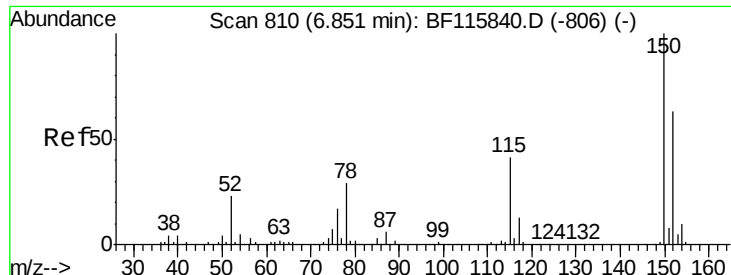
Manual Integrations
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Quant Time: Aug 19 07:57:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	131288	20.00	ng	-0.04
21) Naphthalene-d8	8.09	136	500359	20.00	ng	-0.04
39) Acenaphthene-d10	9.84	164	246975	20.00	ng	-0.05
64) Phenanthrene-d10	11.33	188	370185	20.00	ng	-0.04
76) Chrysene-d12	13.97	240	233667	20.00	ng	-0.04
87) Perylene-d12	15.43	264	271693	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	699800	89.23	ng	-0.03
7) Phenol-d6	6.46	99	901861	91.15	ng	-0.03
23) Nitrobenzene-d5	7.37	82	584199	67.40	ng	-0.04
42) 2,4,6-Tribromophenol	10.63	330	177921	74.30	ng	-0.04
45) 2-Fluorobiphenyl	9.16	172	956203	72.52	ng	-0.04
79) Terphenyl-d14	12.90	244	776727	70.04	ng	-0.05
Target Compounds						
10) Phenol	6.47	94	41623	3.572	ng	Qvalue 96
50) Dimethylphthalate	9.56	163	120427	7.161	ng	99
71) Phenanthrene	11.35	178	411207	21.729	ng	99
72) Anthracene	11.41	178	85130	4.445	ng	98
75) Fluoranthene	12.54	202	705642	35.616	ng	100
78) Pyrene	12.77	202	626713	35.580	ng	99
81) Benzo(a)anthracene	13.96	228	359880	24.096	ng	100
83) Chrysene	14.00	228	310433	21.410	ng	97
86) Indeno(1,2,3-cd)pyrene	16.89	276	156359	12.839	ng	95
88) Benzo(b)fluoranthene	15.01	252	433039m	27.565	ng	
89) Benzo(k)fluoranthene	15.03	252	111779m	7.305	ng	
90) Benzo(a)pyrene	15.37	252	301555	21.473	ng	99
91) Dibenzo(a,h)anthracene	16.89	278	41583m	3.421	ng	
92) Benzo(g,h,i)perylene	17.33	276	134476	11.264	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.81 min Scan# 803

Delta R.T. -0.04 min

Lab File: BF116374.D

Acq: 18 Aug 2019 3:12

Instrument :

BNA_F

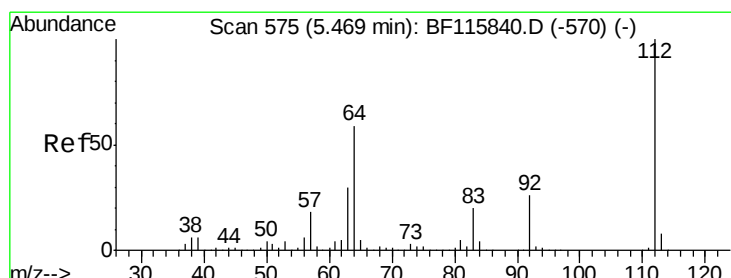
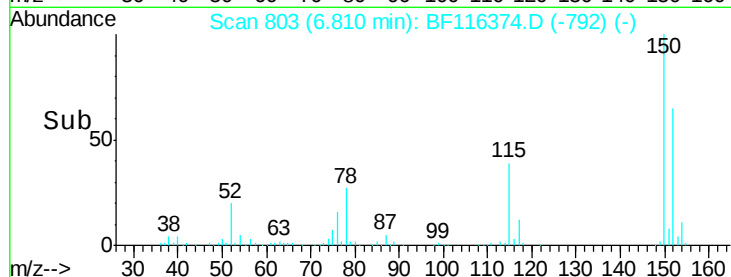
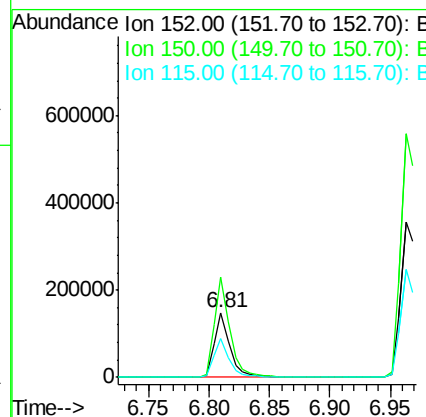
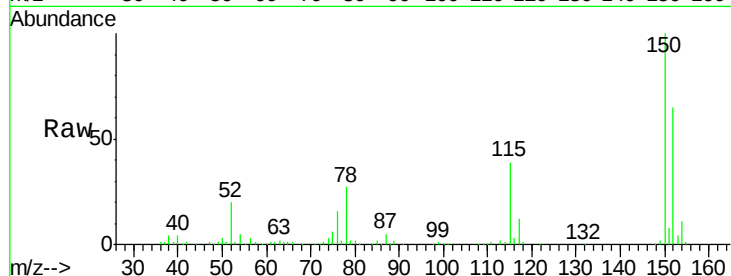
ClientSampleId :

B-3(3-4)

Tot Ion:	152	Resp:	131288
Ion Ratio	Lower	Upper	
152	100		
150	154.8	126.2	189.2
115	60.4	49.9	74.9

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#5

2-Fluorophenol

Concen: 89.232 ng

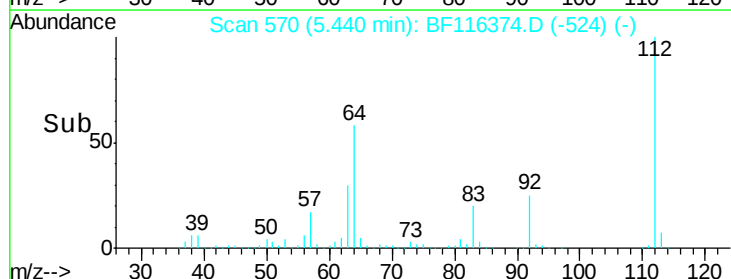
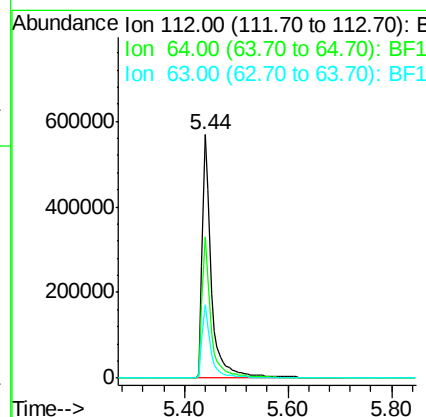
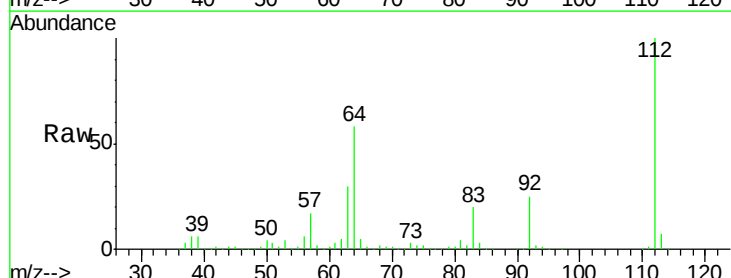
RT: 5.44 min Scan# 570

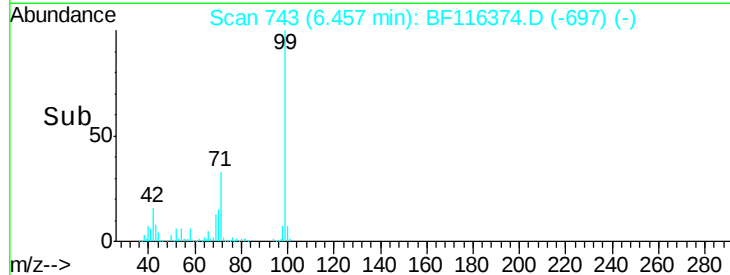
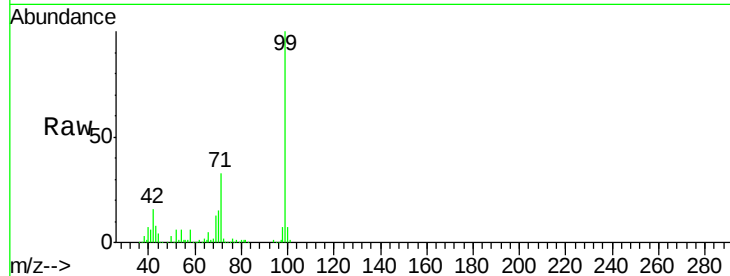
Delta R.T. -0.03 min

Lab File: BF116374.D

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Tgt Ion:	112	Resp:	699800
Ion Ratio	Lower	Upper	
112	100		
64	58.0	45.4	68.2
63	29.9	23.7	35.5





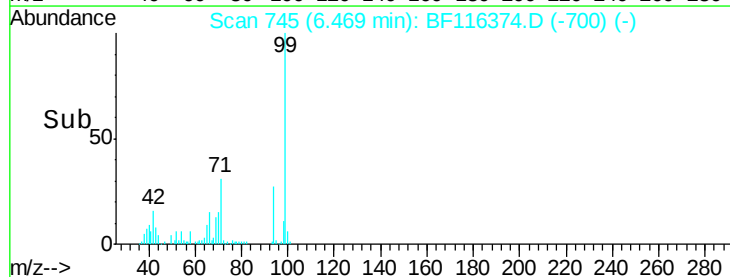
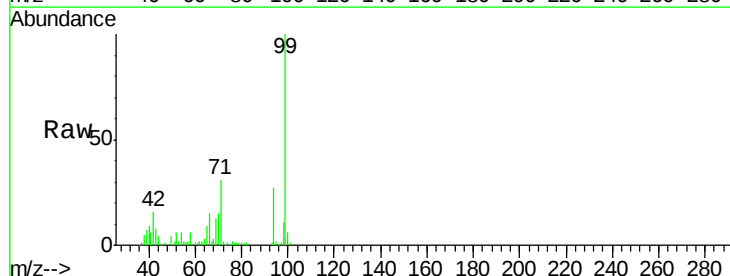
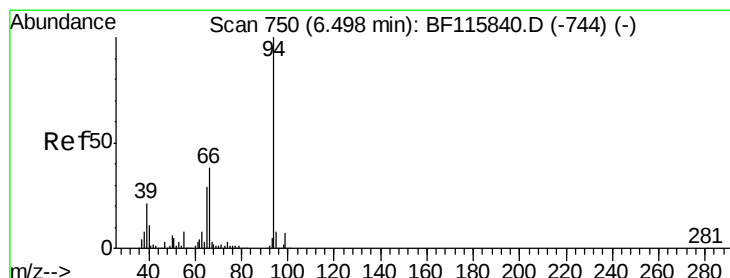
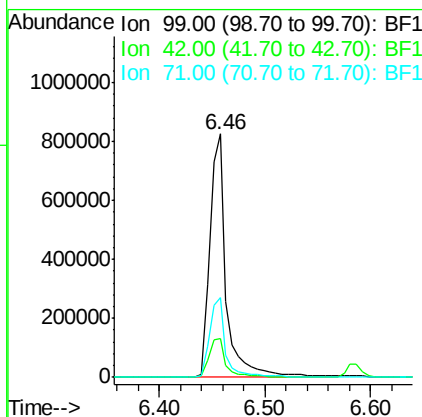
#7
Phenol-d6
Concen: 91.146 ng
RT: 6.46 min Scan# 743
Delta R.T. -0.03 min
Lab File: BF116374.D
Acq: 18 Aug 2019 3:12

Tot Ion:	99	Resp:	901861
Ion Ratio	Lower	Upper	
99	100		
42	16.2	13.8	20.8
71	32.8	27.3	40.9

Instrument :
BNA_F
ClientSampled :
B-3(3-4)

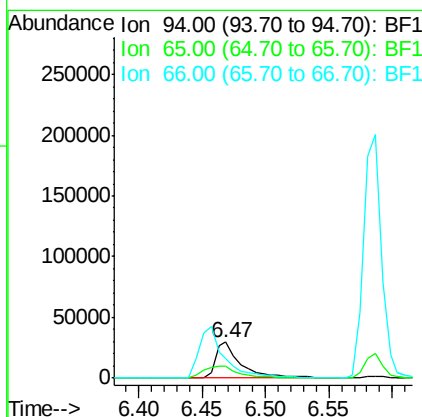
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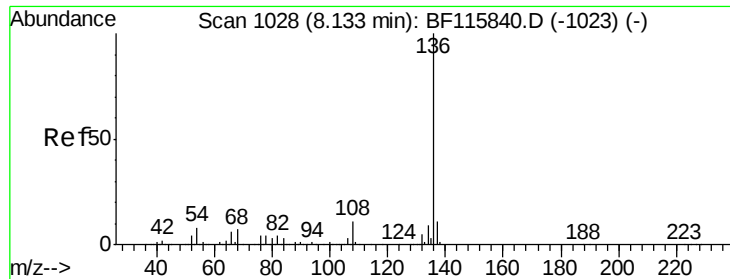
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#10
Phenol
Concen: 3.572 ng
RT: 6.47 min Scan# 745
Delta R.T. -0.04 min
Lab File: BF116374.D
Acq: 18 Aug 2019 3:12

Tgt Ion:	94	Resp:	41623
Ion Ratio	Lower	Upper	
94	100		
65	32.1	16.8	56.8
66	53.6	34.2	74.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.04 min

Lab File: BF116374.D

Acq: 18 Aug 2019 3:12

Instrument :

BNA_F

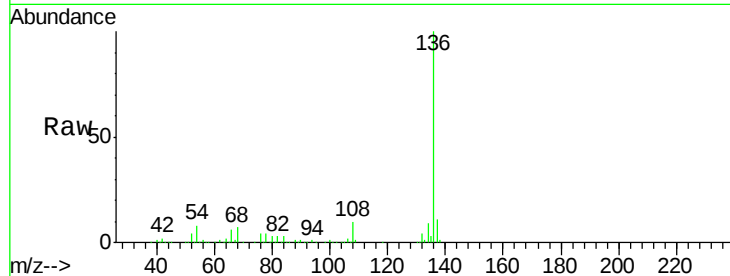
ClientSampleId :

B-3(3-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		500359		
137	11.2	9.0	13.4		
54	7.8	5.8	8.6		
68	6.7	5.2	7.8		

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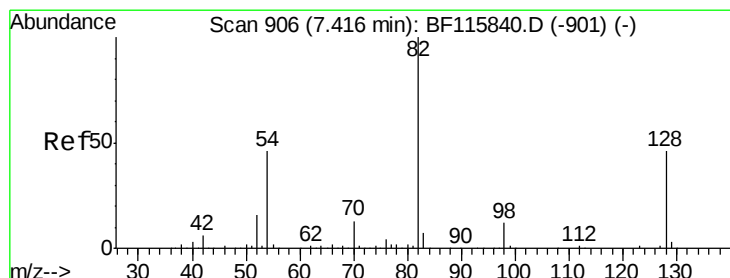
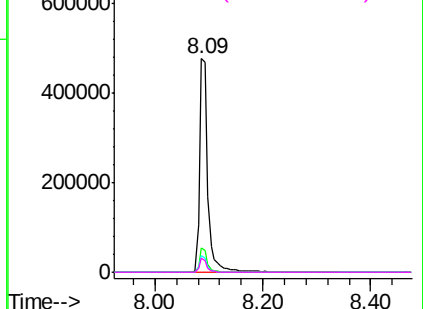
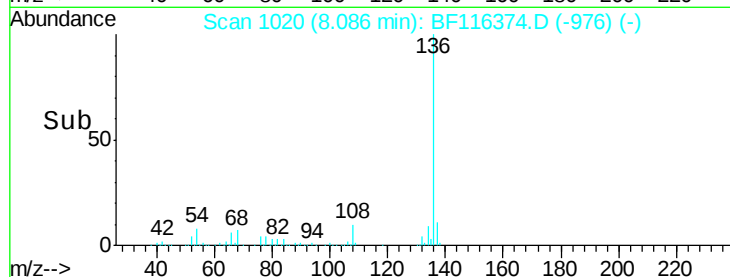


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.395 ng

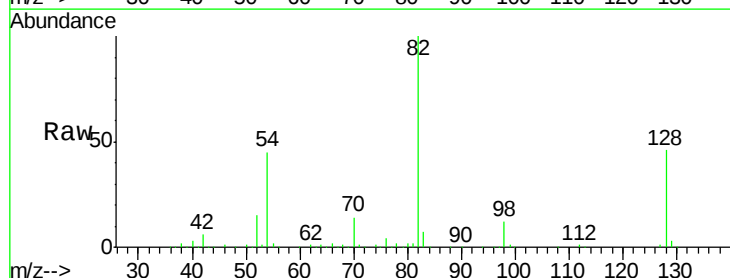
RT: 7.37 min Scan# 899

Delta R.T. -0.04 min

Lab File: BF116374.D

Acq: 18 Aug 2019 3:12

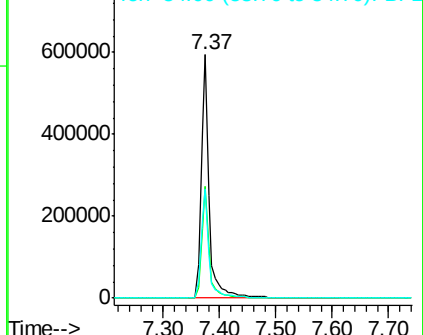
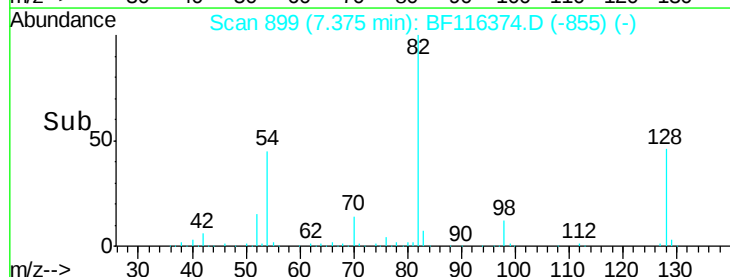
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		584199		
128	46.0	36.5	54.7		
54	44.7	36.0	54.0		

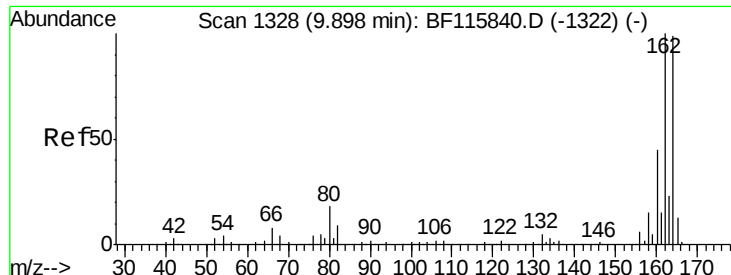


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





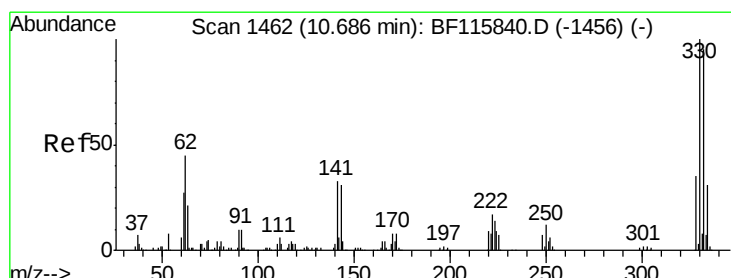
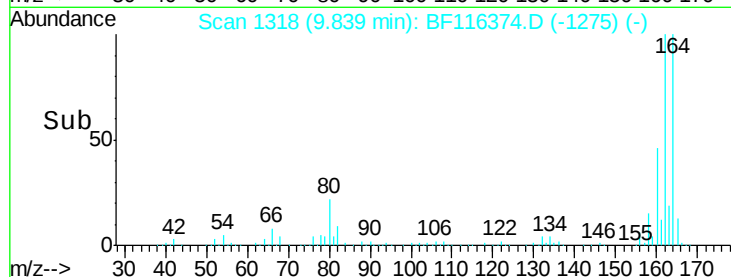
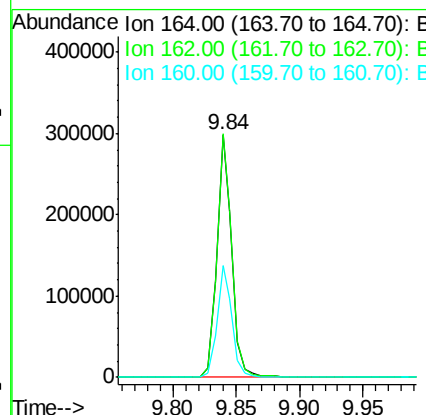
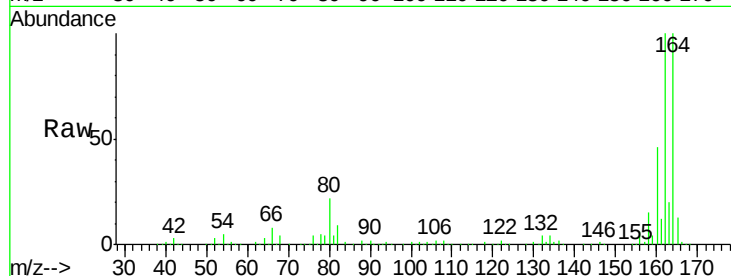
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.05 min
Lab File: BF116374.D
Acq: 18 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :
B-3(3-4)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	246975		
162	100.4	82.6	124.0	
160	46.1	37.6	56.4	

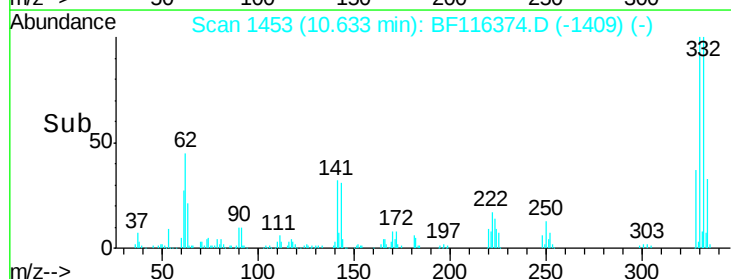
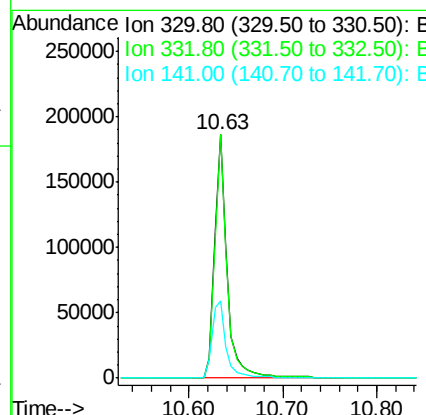
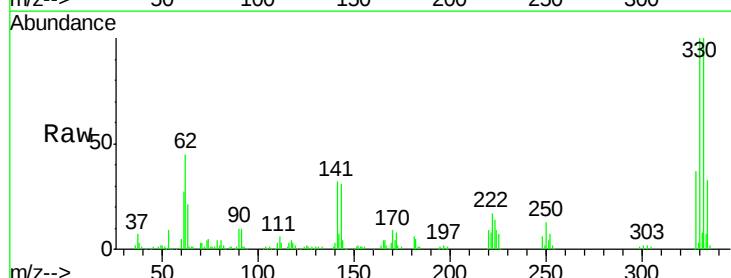
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#42
2,4,6-Tribromophenol
Concen: 74.304 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.04 min
Lab File: BF116374.D
Acq: 18 Aug 2019 3:12

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	177921		
332	98.0	76.8	115.2	
141	35.4	26.3	39.5	





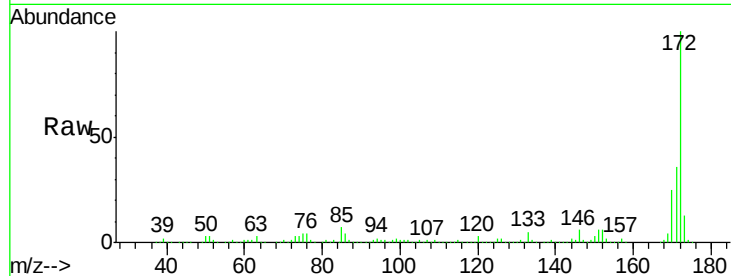
#45
2-Fluorobiphenyl
Concen: 72.519 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.04 min
Lab File: BF116374.D
Acq: 18 Aug 2019 3:12

Instrument :
BNA_F
ClientSampled :
B-3(3-4)

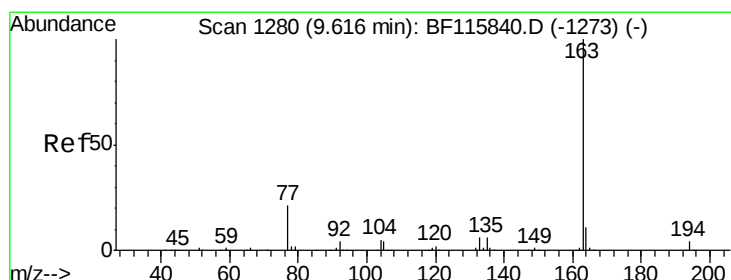
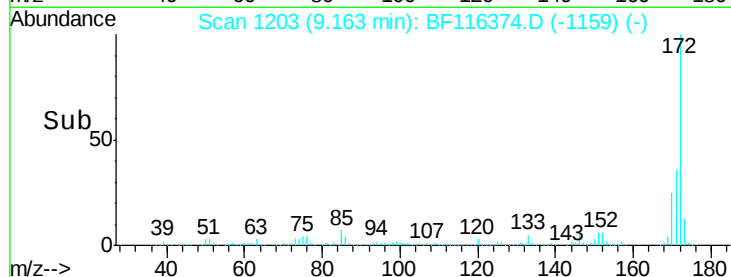
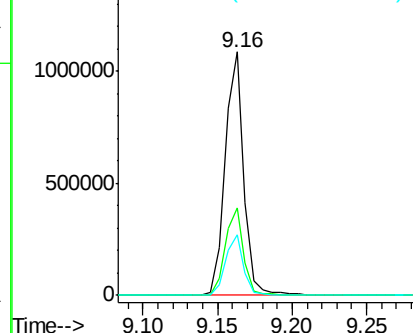
Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.8	29.6	44.4
170	24.8	20.1	30.1

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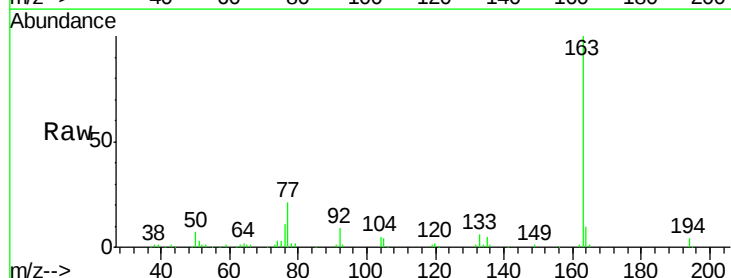


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

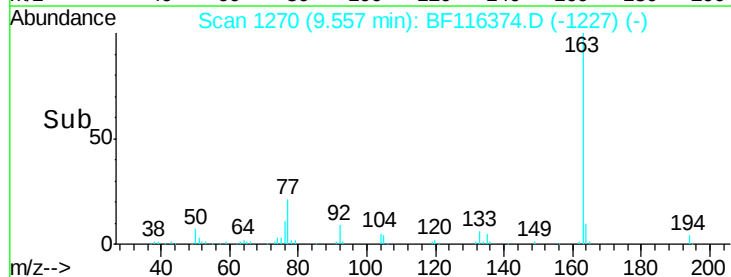
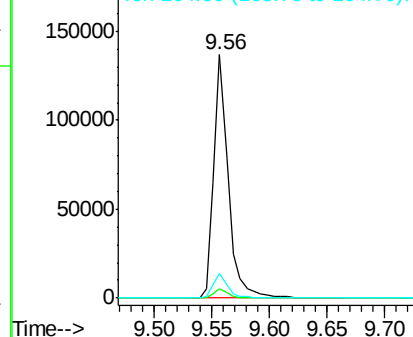


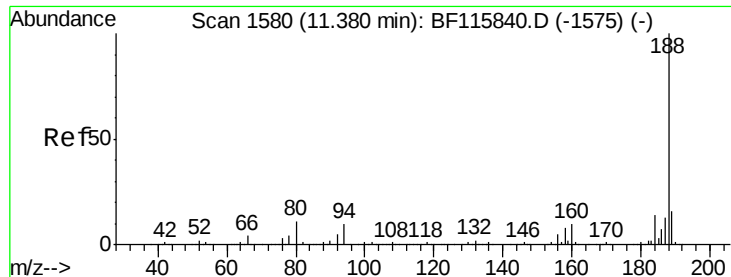
#50
Dimethylphthalate
Concen: 7.161 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.05 min
Lab File: BF116374.D
Acq: 18 Aug 2019 3:12

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.6	3.0	4.6
164	10.3	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





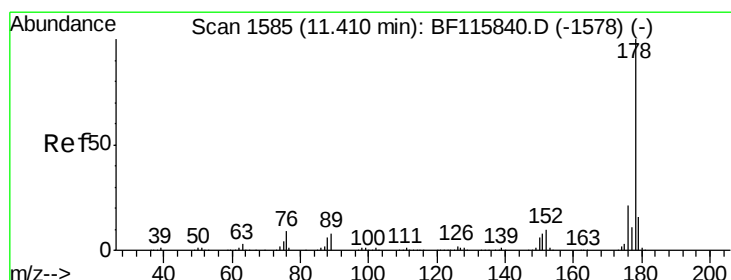
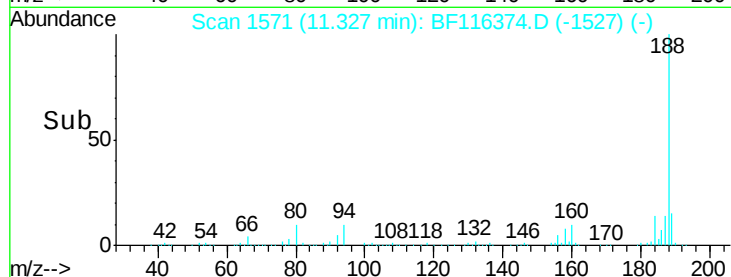
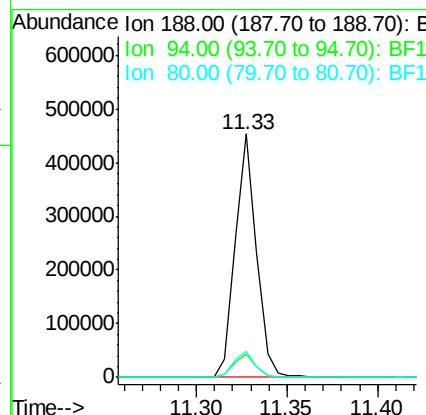
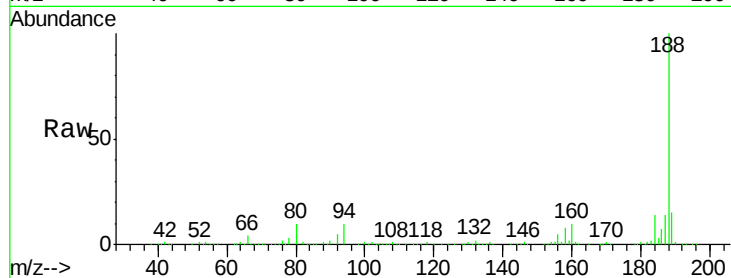
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.04 min
 Lab File: BF116374.D
 Acq: 18 Aug 2019 3:12

Instrument :
 BNA_F
 ClientSampleId :
 B-3(3-4)

Tot Ion	188	Resp	370185
Ion Ratio	Lower	Upper	
188	100		
94	9.6	8.1	12.1
80	10.5	8.7	13.1

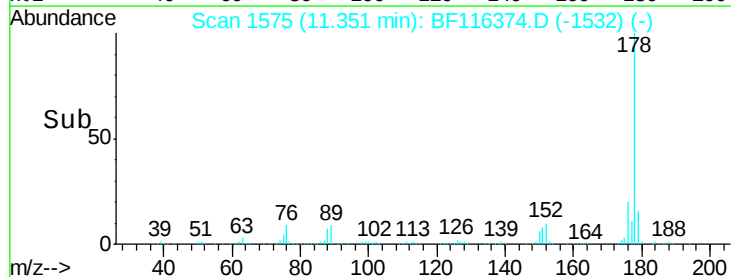
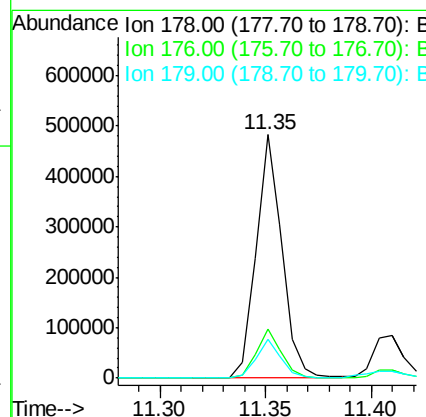
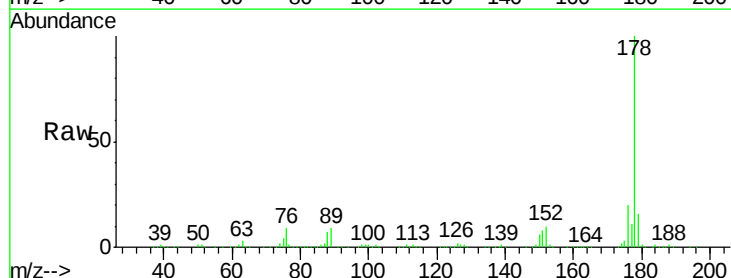
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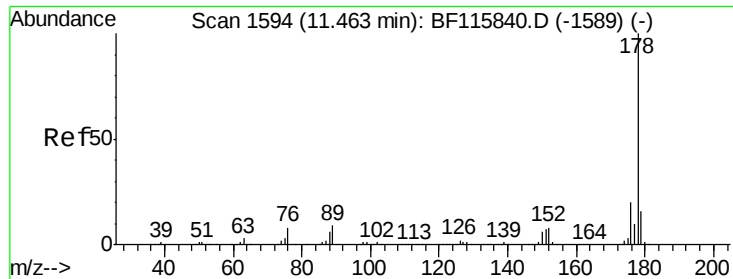
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#71
 Phenanthrene
 Concen: 21.729 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.05 min
 Lab File: BF116374.D
 Acq: 18 Aug 2019 3:12

Tgt Ion	178	Resp	411207
Ion Ratio	Lower	Upper	
178	100		
176	20.1	16.6	24.8
179	15.7	12.5	18.7





#72

Anthracene

Concen: 4.445 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.04 min

Lab File: BF116374.D

Acq: 18 Aug 2019 3:12

Instrument :

BNA_F

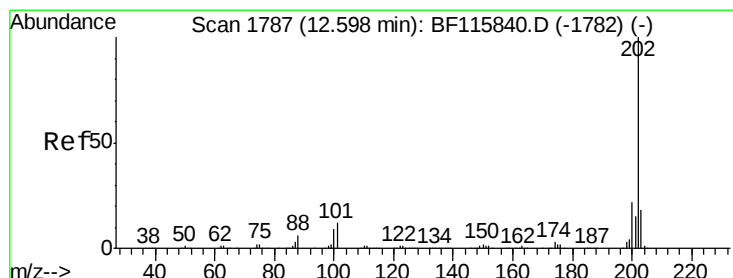
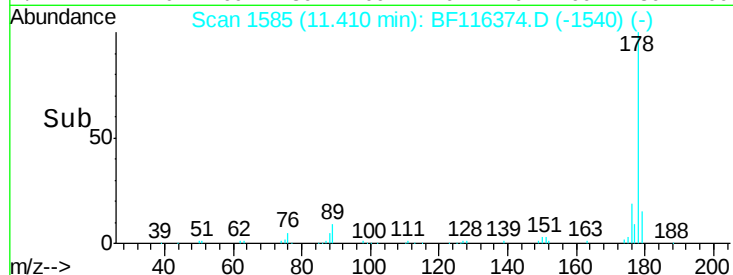
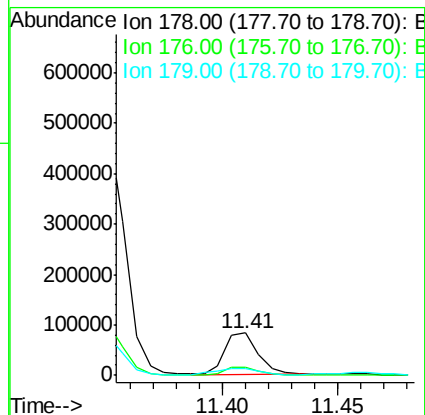
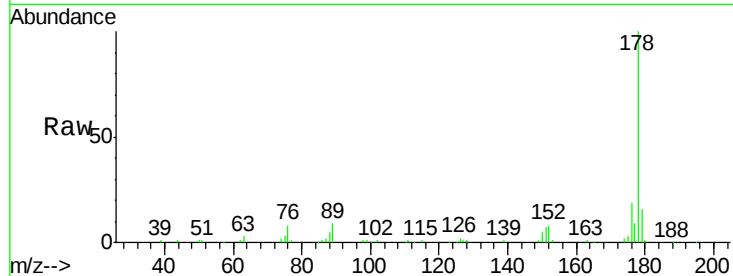
ClientSampleId :

B-3(3-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.7	23.5
179	15.5	13.0	19.6

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#75

Fluoranthene

Concen: 35.616 ng

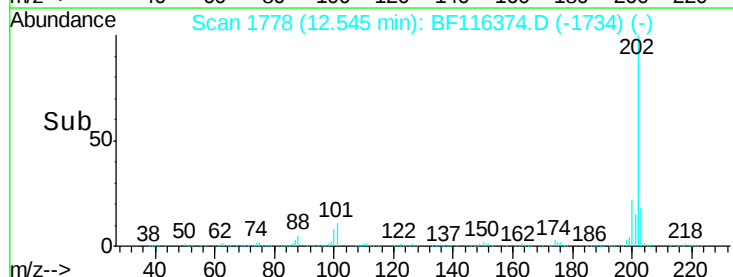
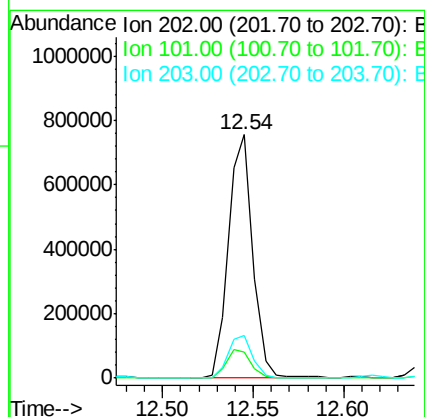
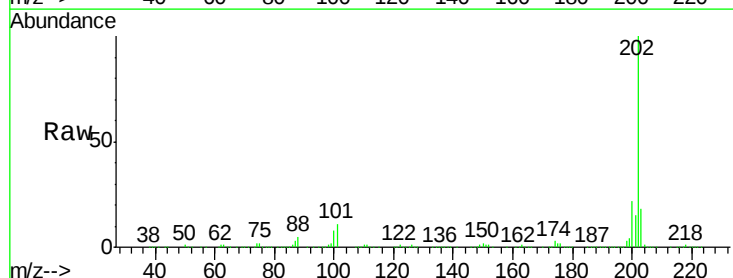
RT: 12.54 min Scan# 1778

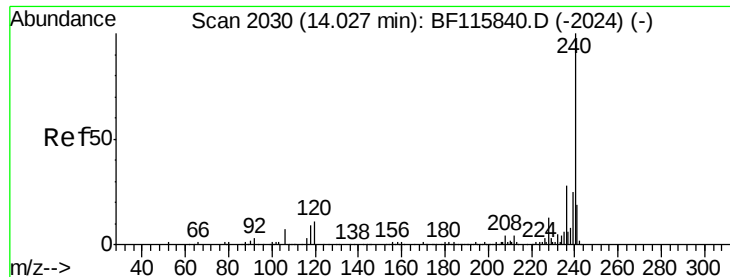
Delta R.T. -0.04 min

Lab File: BF116374.D

Acq: 18 Aug 2019 3:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.2
203	17.7	0.0	37.8





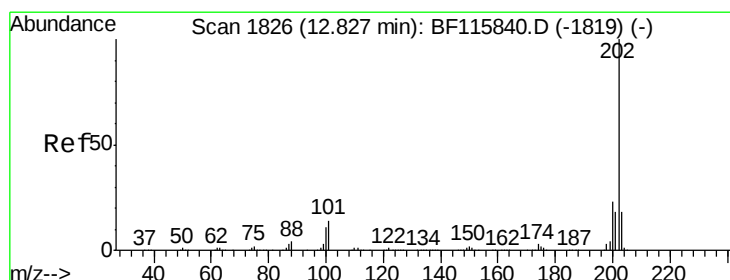
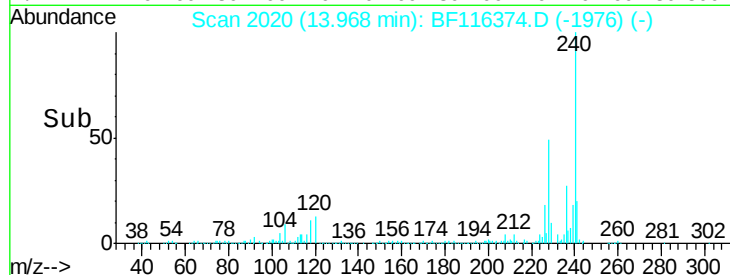
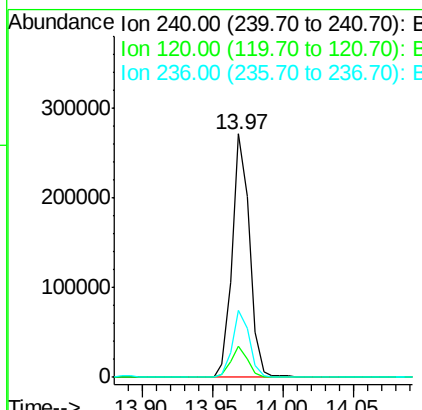
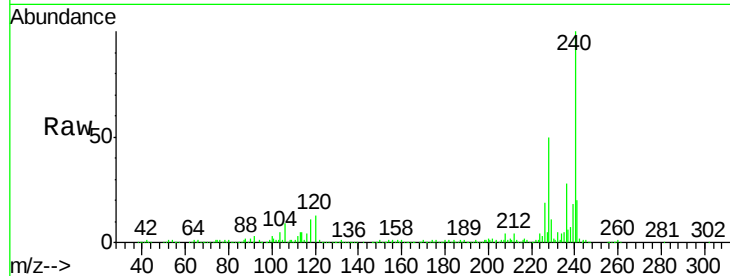
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.04 min
Lab File: BF116374.D
Acq: 18 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :
B-3(3-4)

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	12.8	10.7	16.1
236	27.6	22.2	33.2

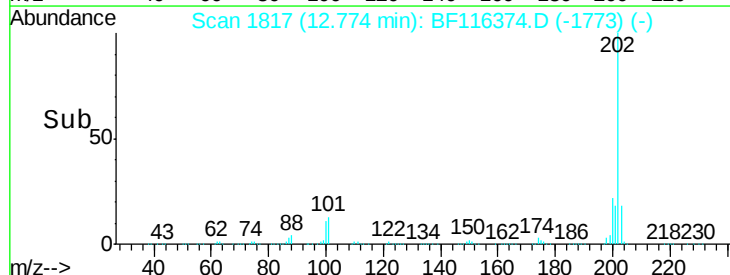
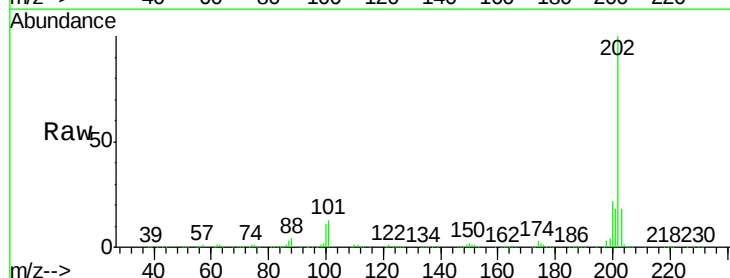
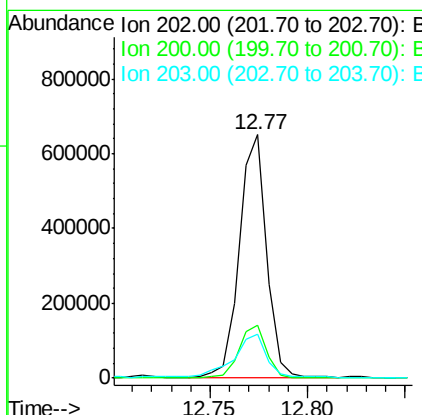
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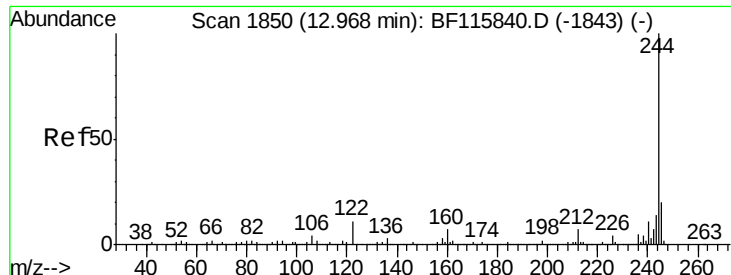
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#78
Pyrene
Concen: 35.580 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.04 min
Lab File: BF116374.D
Acq: 18 Aug 2019 3:12

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.6	18.0	27.0
203	17.9	14.1	21.1





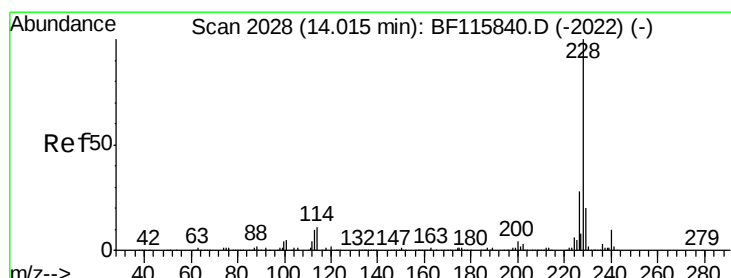
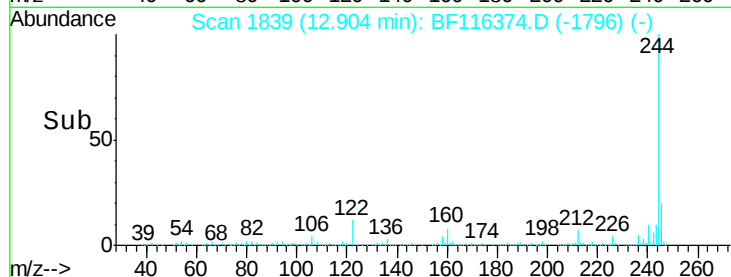
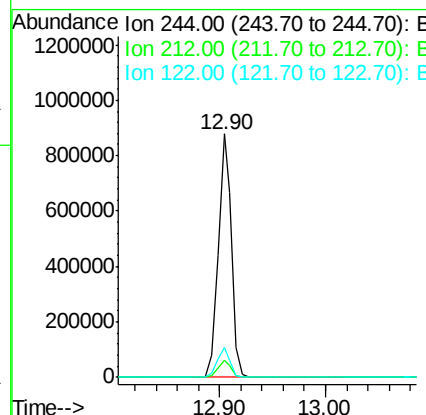
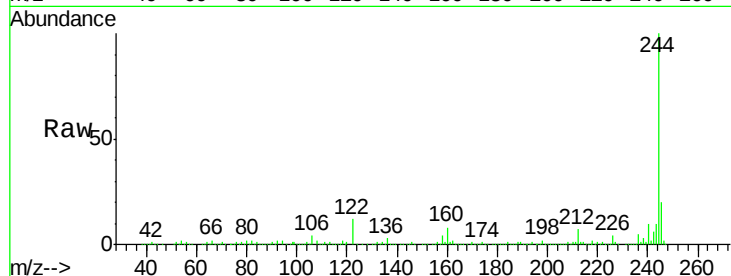
#79
 Terphenyl-d14
 Concen: 70.044 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.05 min
 Lab File: BF116374.D
 Acq: 18 Aug 2019 3:12

Instrument :
 BNA_F
 ClientSampled :
 B-3(3-4)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	12.2	9.0	13.4

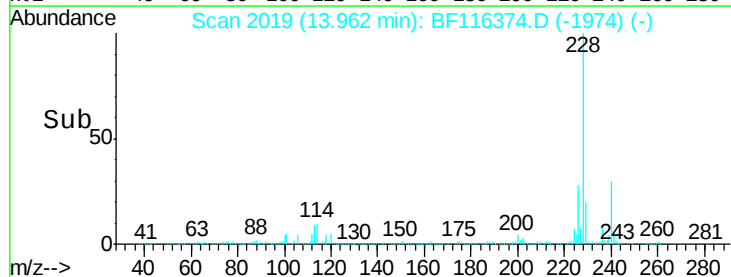
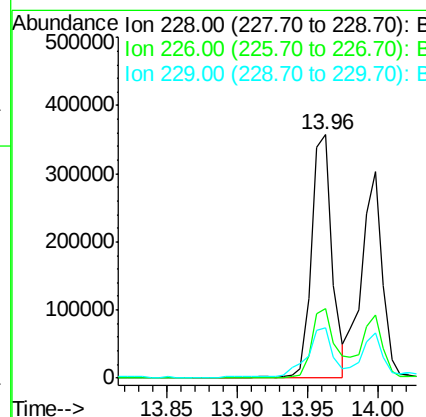
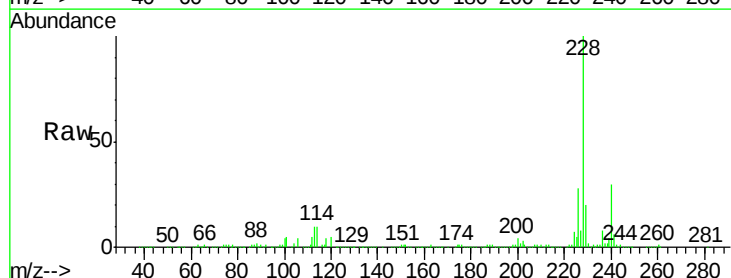
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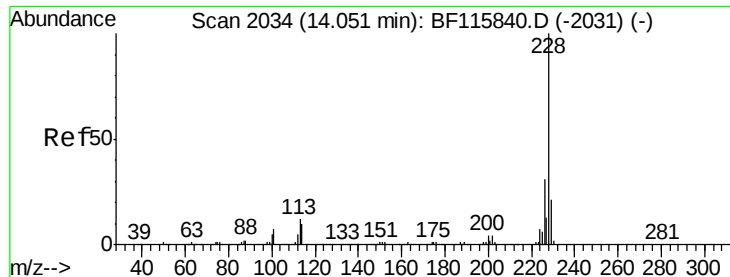
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#81
 Benzo(a)anthracene
 Concen: 24.096 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.04 min
 Lab File: BF116374.D
 Acq: 18 Aug 2019 3:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.7	34.1
229	20.4	16.2	24.4





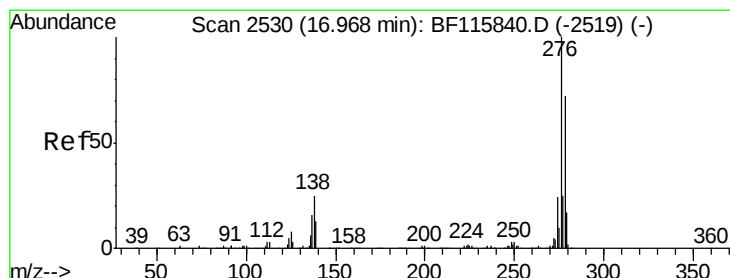
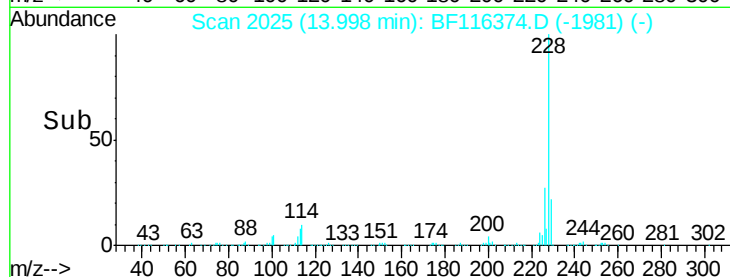
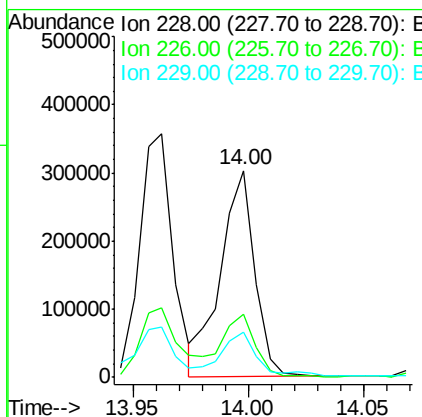
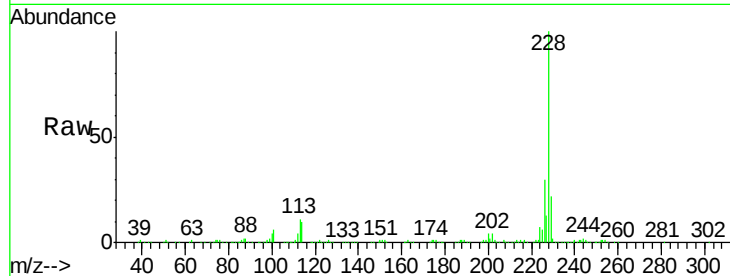
#83
Chrysene
Concen: 21.410 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.04 min
Lab File: BF116374.D
Acq: 18 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :
B-3(3-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.5	38.3
229	21.9	16.6	24.8

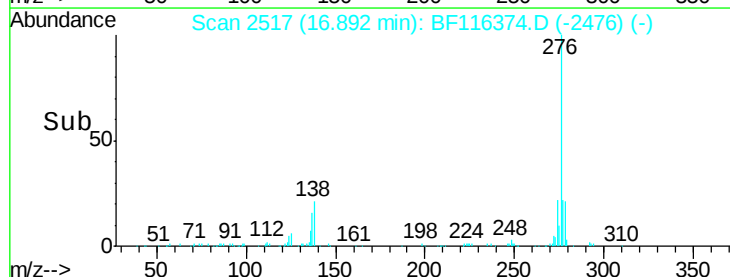
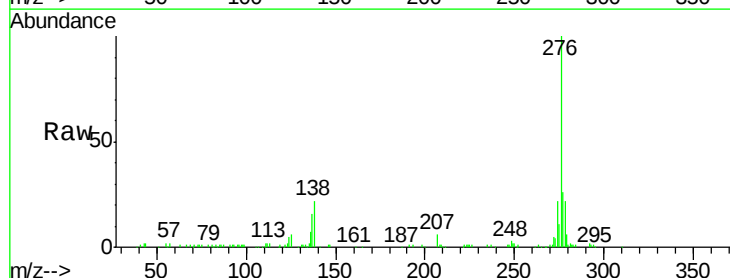
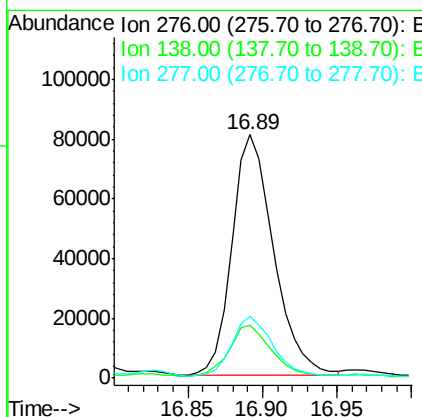
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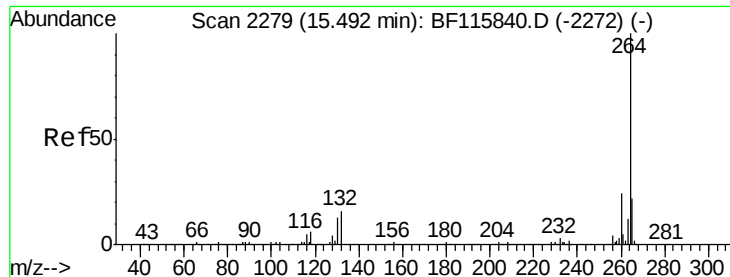
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#86
Indeno(1,2,3-cd)pyrene
Concen: 12.839 ng
RT: 16.89 min Scan# 2517
Delta R.T. -0.06 min
Lab File: BF116374.D
Acq: 18 Aug 2019 3:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	20.4	30.6
277	23.9	20.0	30.0





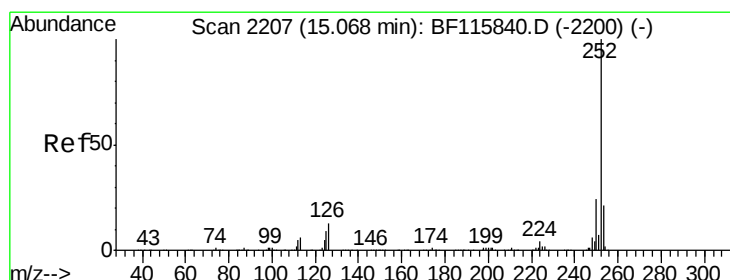
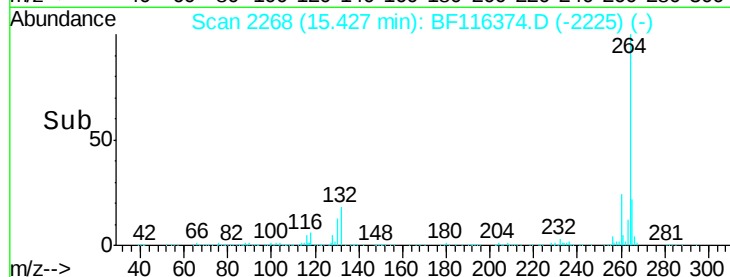
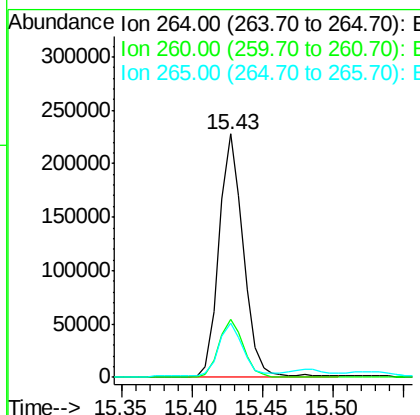
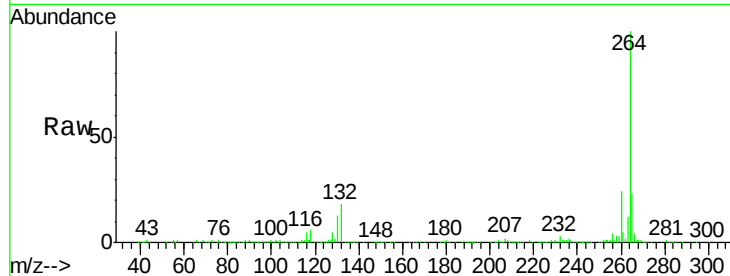
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.05 min
Lab File: BF116374.D
Acq: 18 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :
B-3(3-4)

Tot Ion	Ratio	Resp	Lower	Upper
264	100	271693		
260	23.8	19.7	29.5	
265	22.5	17.4	26.0	

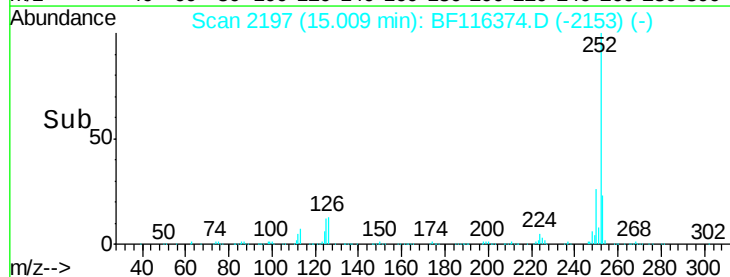
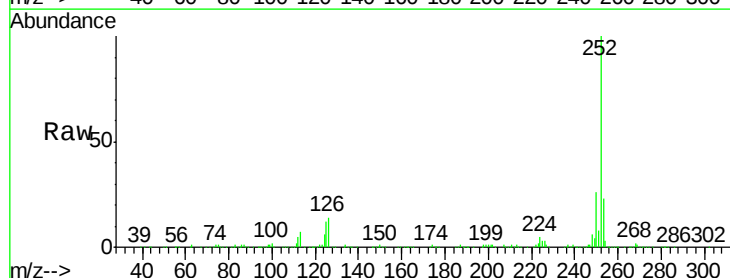
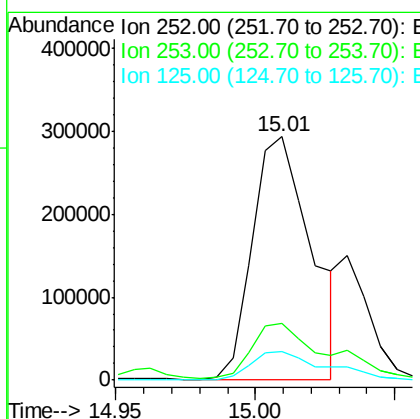
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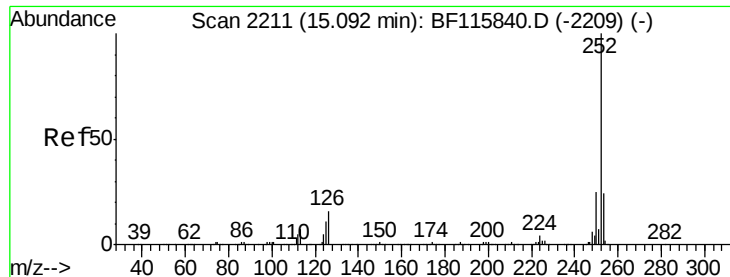
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#88
Benzo(b)fluoranthene
Concen: 27.565 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF116374.D
Acq: 18 Aug 2019 3:12

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	433039		
253	23.3	17.8	26.8	
125	11.6	8.4	12.6	





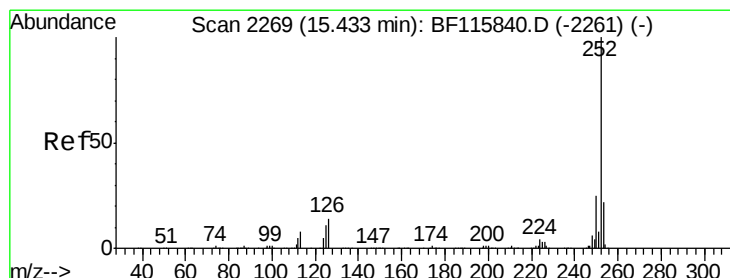
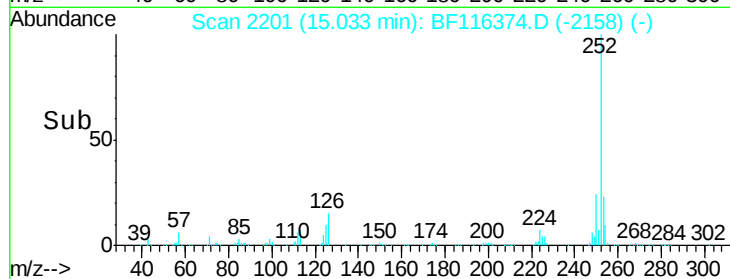
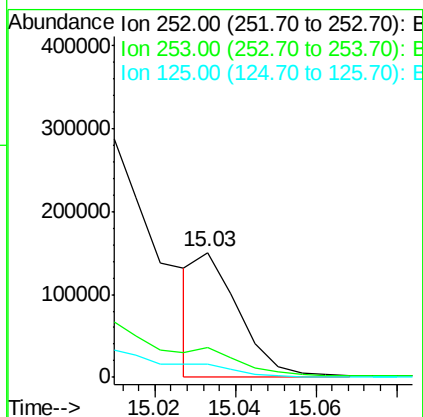
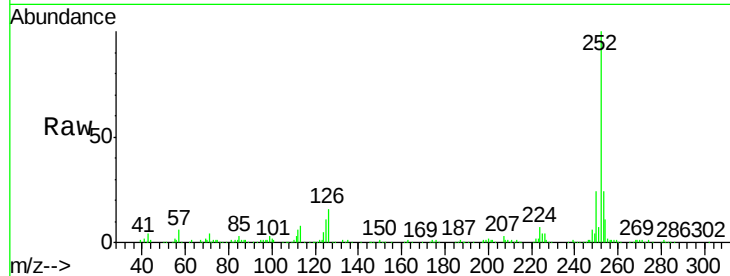
#89
Benzo(k)fluoranthene
Concen: 7.305 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.05 min
Lab File: BF116374.D
Acq: 18 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :
B-3(3-4)

Tot Ion:	252	Resp:	111779
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.8
125	10.6	7.7	11.5

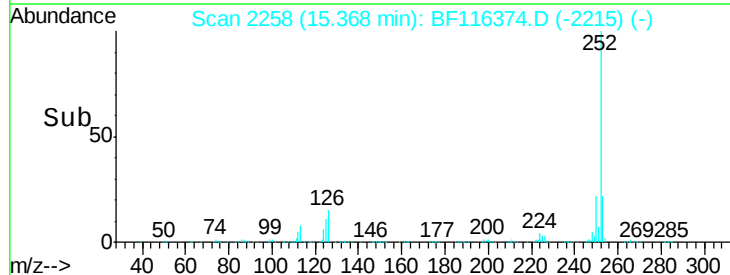
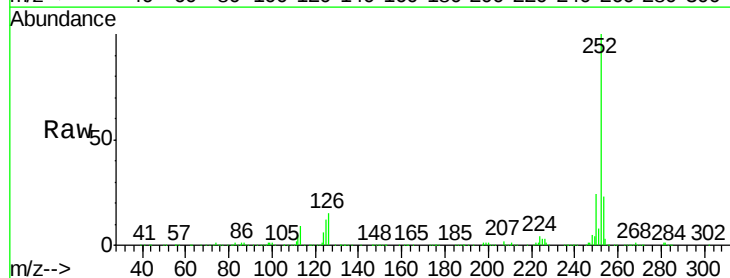
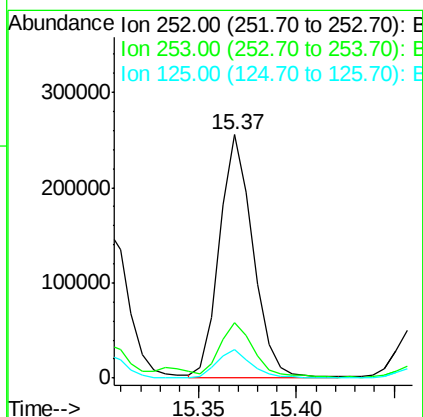
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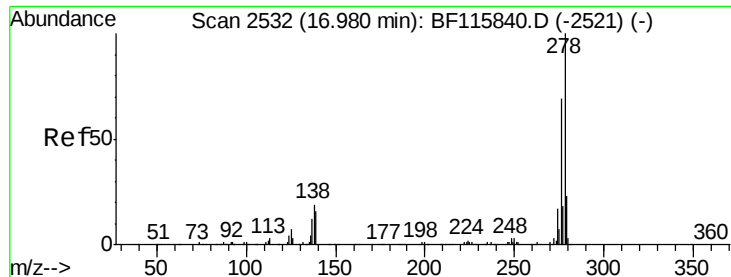
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#90
Benzo(a)pyrene
Concen: 21.473 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.05 min
Lab File: BF116374.D
Acq: 18 Aug 2019 3:12

Tgt Ion:	252	Resp:	301555
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.0	27.0
125	11.5	8.9	13.3





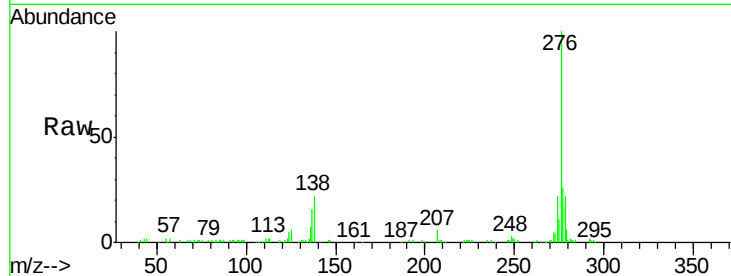
#91
Dibenzo(a,h)anthracene
Concen: 3.421 ng m
RT: 16.89 min Scan# 2517
Delta R.T. -0.06 min
Lab File: BF116374.D
Acq: 18 Aug 2019 3:12

Instrument :
BNA_F
ClientSampled :
B-3(3-4)

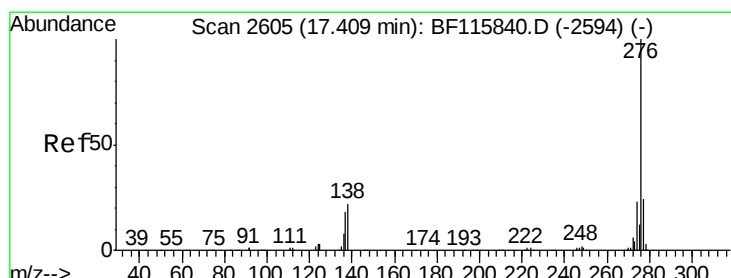
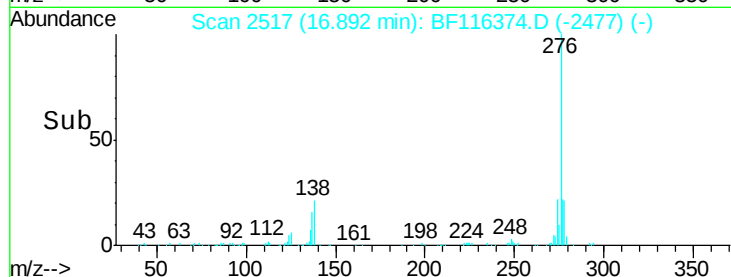
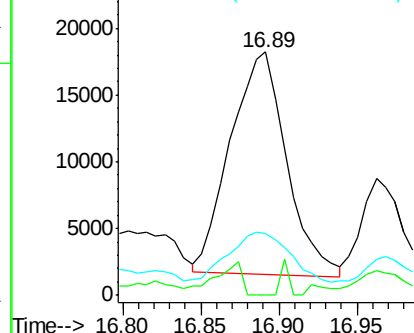
Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.8	19.2#
279	25.5	18.8	28.2

Manual Integrations
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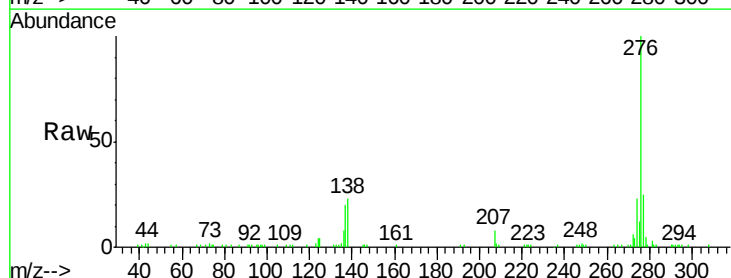


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 11.264 ng
RT: 17.33 min Scan# 2592
Delta R.T. -0.05 min
Lab File: BF116374.D
Acq: 18 Aug 2019 3:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.4	27.6
138	22.9	17.0	25.6



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

