

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
 Data File : BF116841.D
 Acq On : 5 Sep 2019 16:41
 Operator : HP/JU
 Sample : K4694-10 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T2-1-4-(0-1.5)

Manual Integrations
 APPROVED

mohammad
 9/10/2019 9:52:25 AM

Quant Time: Sep 06 04:43:26 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	103780	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	428653	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	218433	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	323749	20.00	ng	0.00
76) Chrysene-d12	14.00	240	238991	20.00	ng	0.00
87) Perylene-d12	15.46	264	194476	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	209831	32.76	ng	0.00
7) Phenol-d6	6.47	99	287782	34.21	ng	0.00
23) Nitrobenzene-d5	7.40	82	174809	23.28	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	56695	38.82	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	331332	25.59	ng	-0.01
79) Terphenyl-d14	12.95	244	272582	21.10	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	35337	2.343	ng	Qvalue 100
71) Phenanthrene	11.39	178	76545	4.247	ng	99
75) Fluoranthene	12.57	202	154215	8.707	ng	99
78) Pyrene	12.80	202	147622	6.949	ng	98
81) Benzo(a)anthracene	13.99	228	75769	5.009	ng	96
83) Chrysene	14.03	228	87403	5.609	ng	96
84) Bis(2-ethylhexyl)phthalate	13.98	149	94770	7.431	ng	99
86) Indeno(1,2,3-cd)pyrene	16.92	276	32910	2.629	ng	95
88) Benzo(b)fluoranthene	15.04	252	108770m	9.251	ng	
89) Benzo(k)fluoranthene	15.06	252	25055m	2.337	ng	
90) Benzo(a)pyrene	15.40	252	48117	4.704	ng	# 89
92) Benzo(a,h,i)perylene	17.36	276	35776	3.918	ng	# 90

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

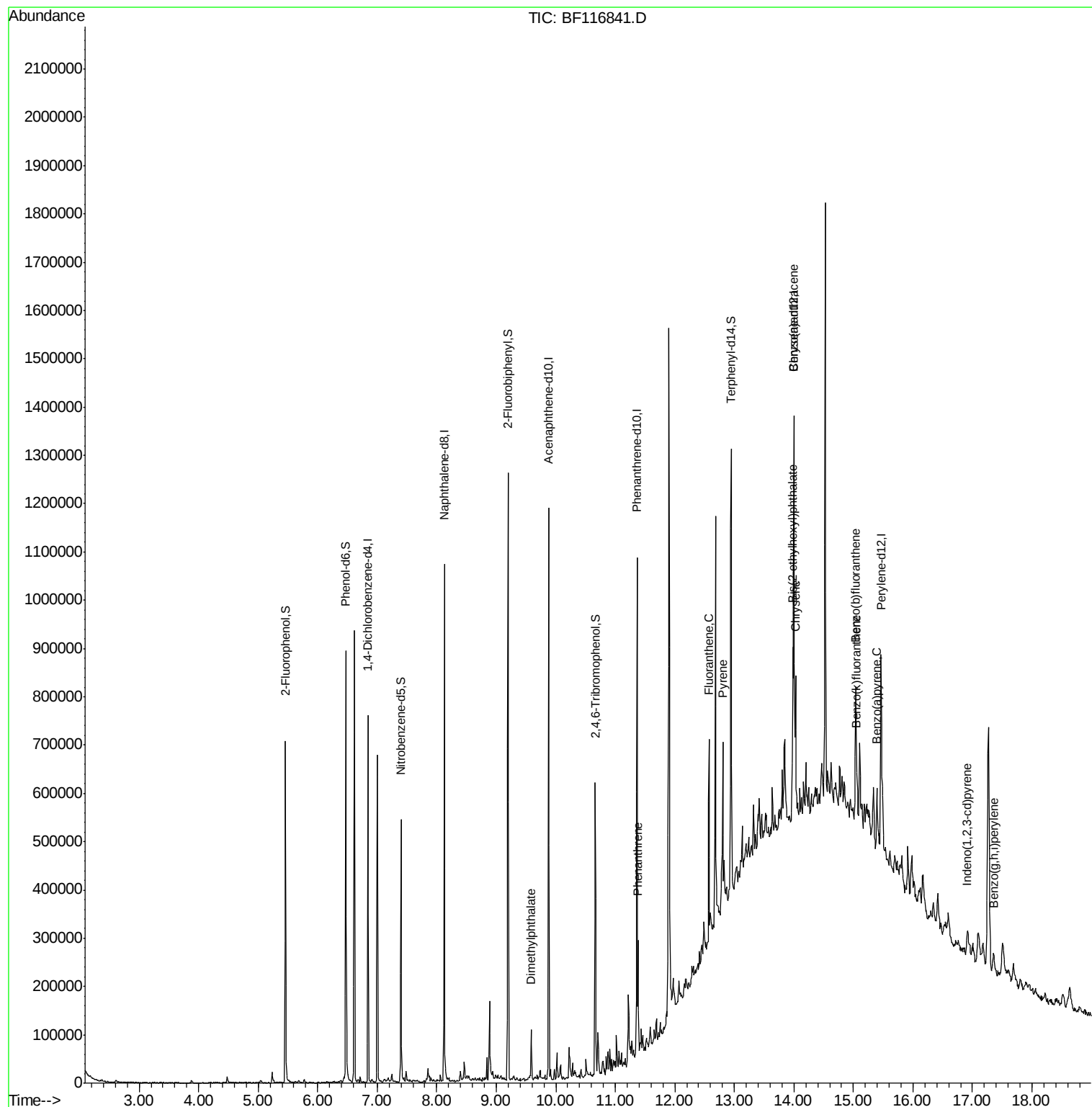
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116841.D
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Misc :
ALS Vial : 15 Sample Multiplier: 1

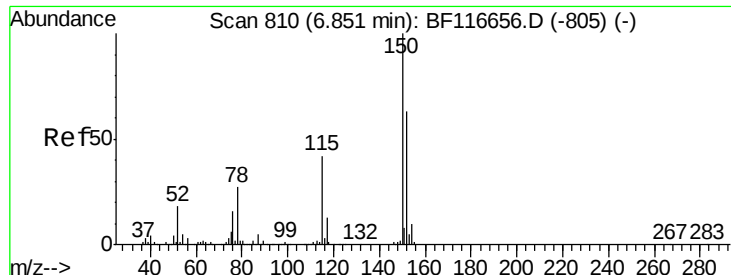
Instrument :
BNA_F
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T2-1-4-(0-1.5)

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#1

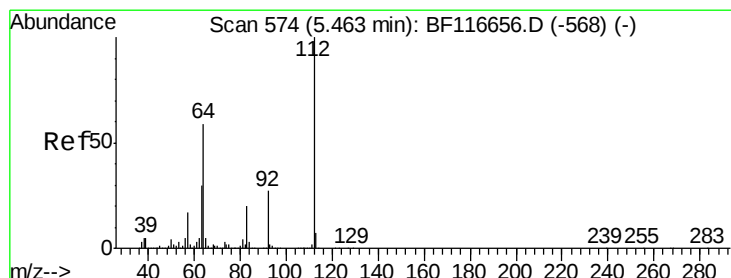
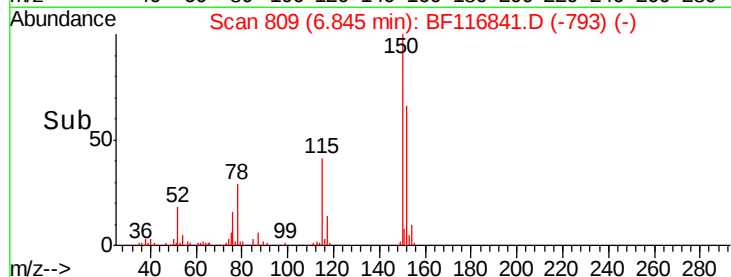
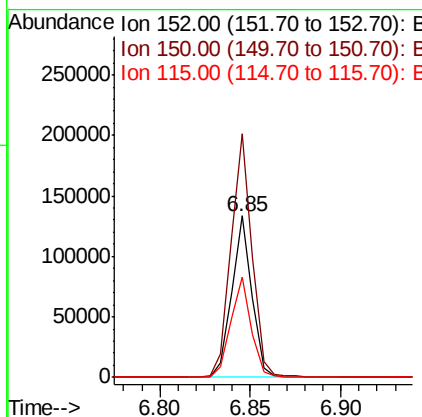
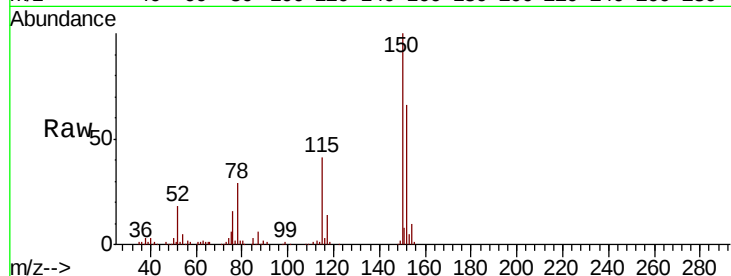
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Instrument :
BNA_F
ClientSampleId :
T2-1-4-(0-1.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	124.4	186.6
115	62.0	49.9	74.9

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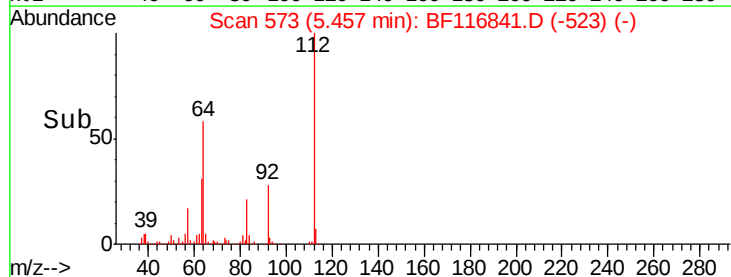
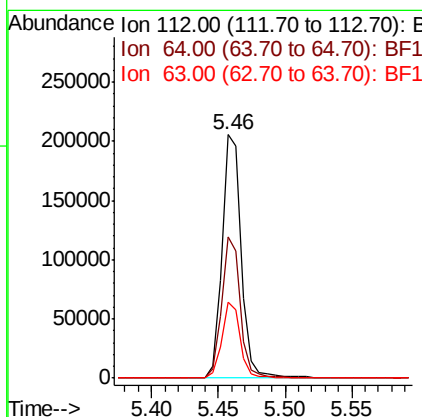
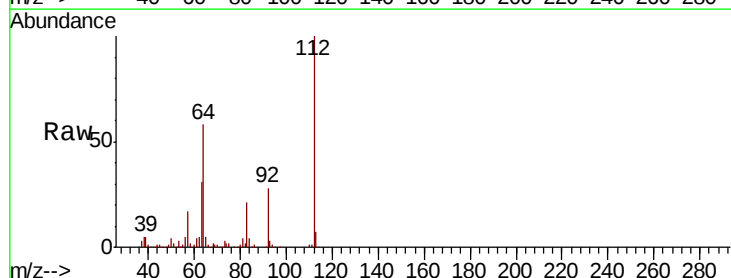
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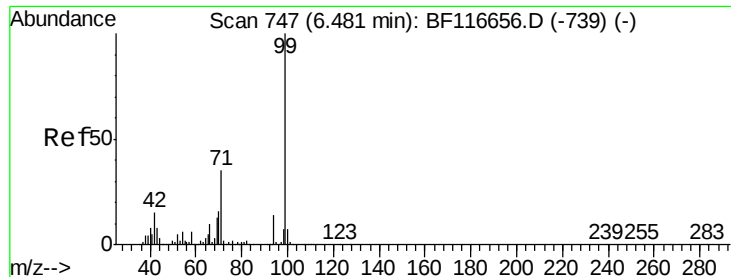


#5

2-Fluorophenol
Concen: 32.756 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	47.1	70.7
63	31.2	24.9	37.3





#7

Phenol-d6

Concen: 34.212 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116841.D

Acq: 5 Sep 2019 16:41

Instrument :

BNA_F

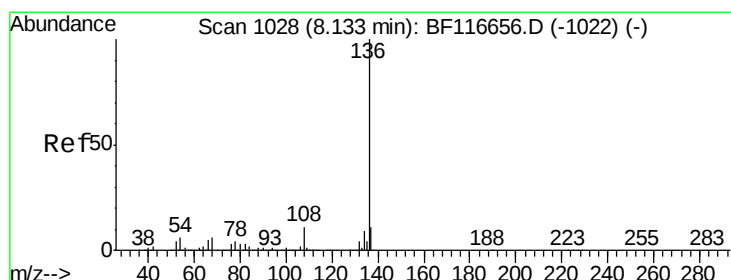
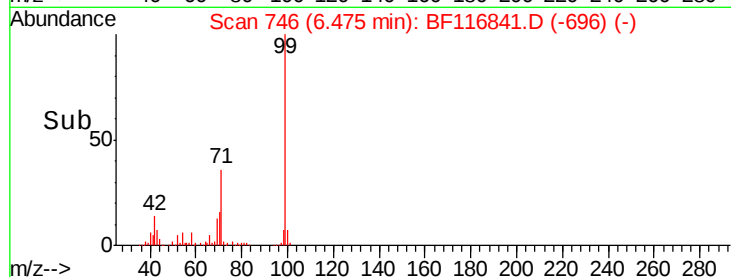
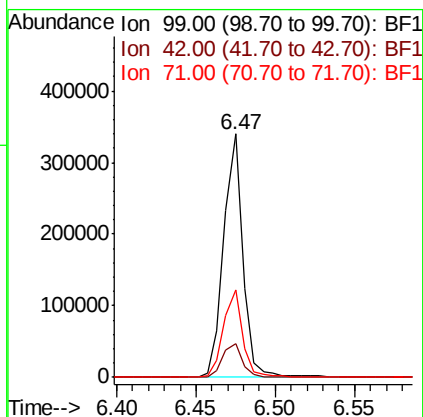
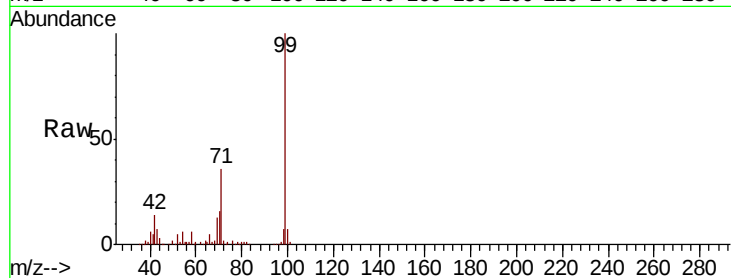
ClientSampleId :

T2-1-4-(0-1.5)

Tot Ion:	99	Resp:	287782
Ion Ratio	Lower	Upper	
99	100		
42	14.0	13.7	20.5
71	36.0	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

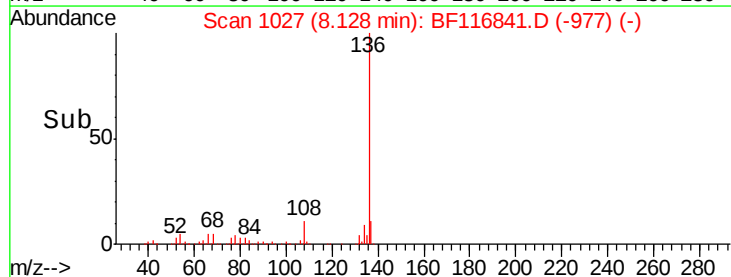
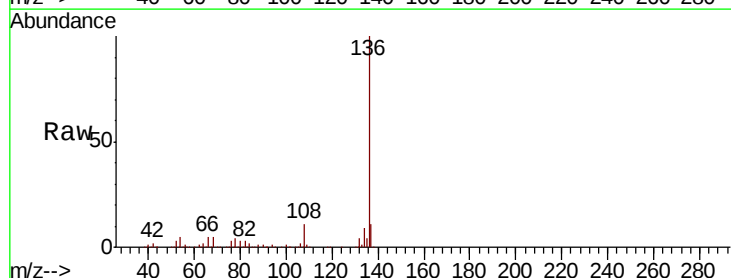
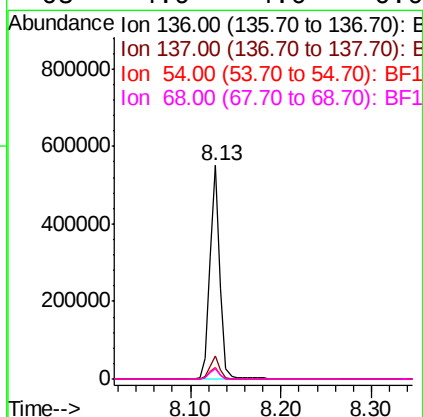
RT: 8.13 min Scan# 1027

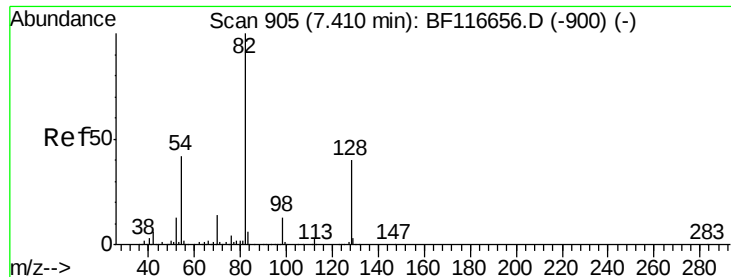
Delta R.T. -0.01 min

Lab File: BF116841.D

Acq: 5 Sep 2019 16:41

Tgt Ion:	136	Resp:	428653
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.9	13.3
54	5.4	4.8	7.2
68	4.9	4.0	6.0





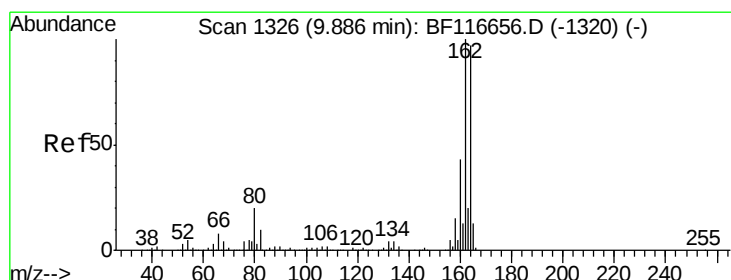
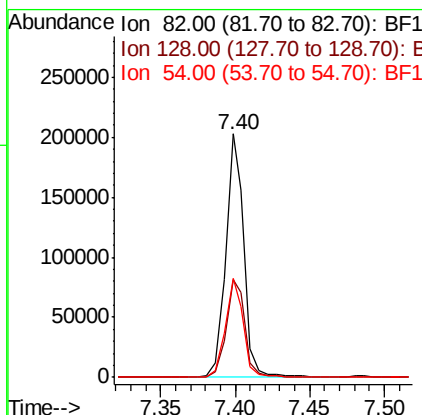
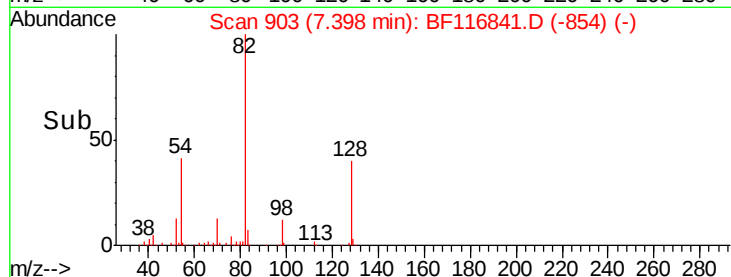
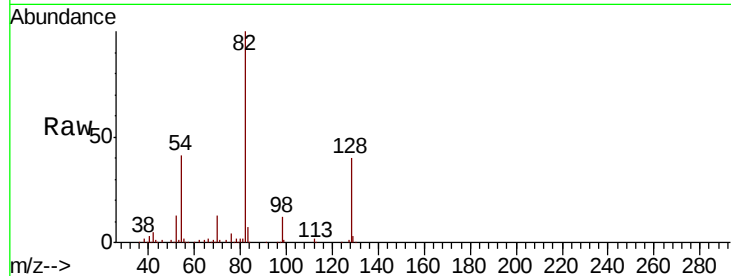
#23
Nitrobenzene-d5
Concen: 23.281 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Instrument :
BNA_F
ClientSampled :
T2-1-4-(0-1.5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.2	32.8	49.2
54	40.7	36.9	55.3

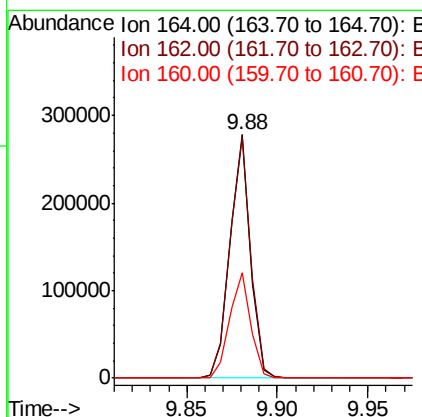
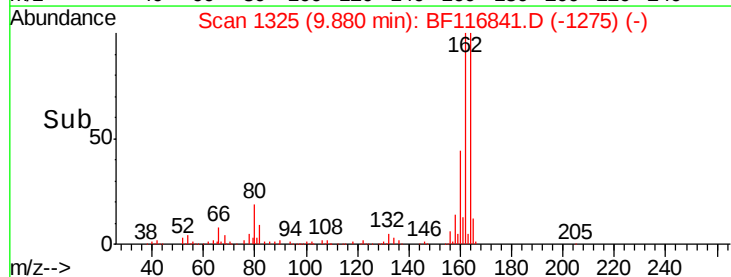
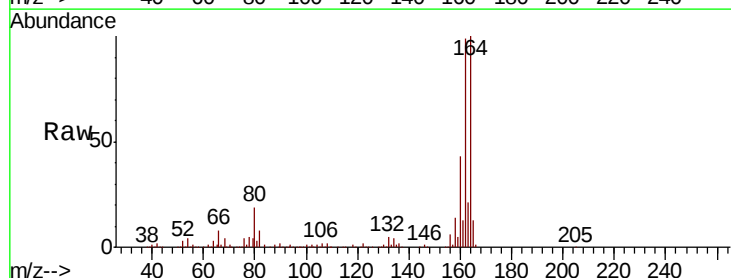
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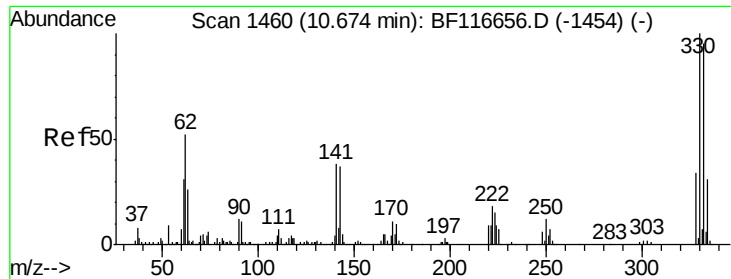
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.8	81.4	122.0
160	43.2	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 38.825 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116841.D

Acq: 5 Sep 2019 16:41

Instrument :

BNA_F

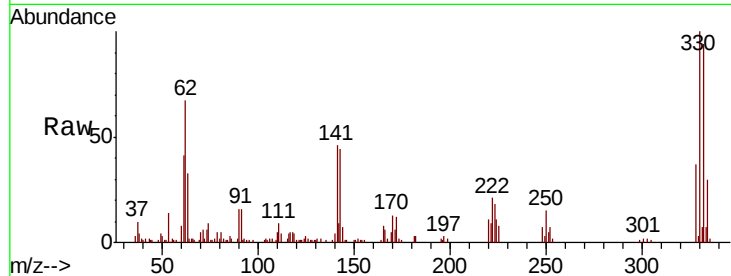
ClientSampleId :

T2-1-4-(0-1.5)

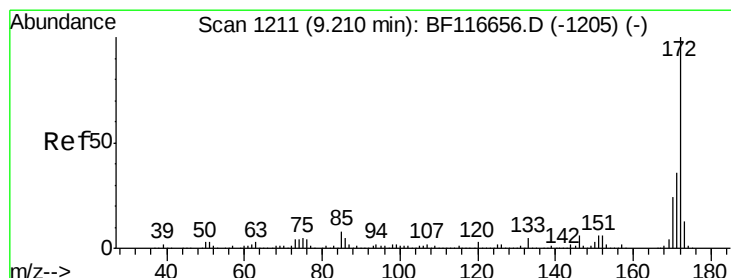
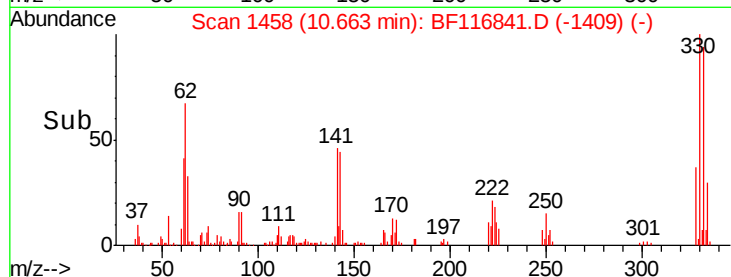
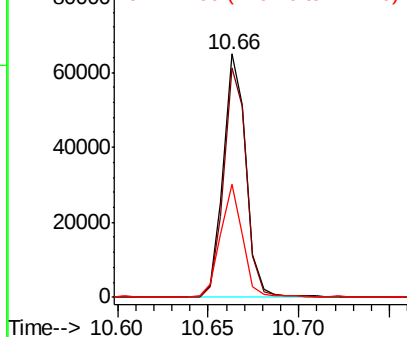
Tot Ion:	330	Resp:	56695
Ion Ratio	Lower	Upper	
330	100		
332	94.1	76.9	115.3
141	45.3	31.4	47.2

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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: 25.588 ng

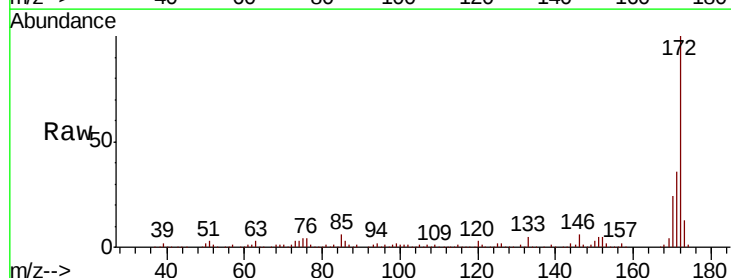
RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

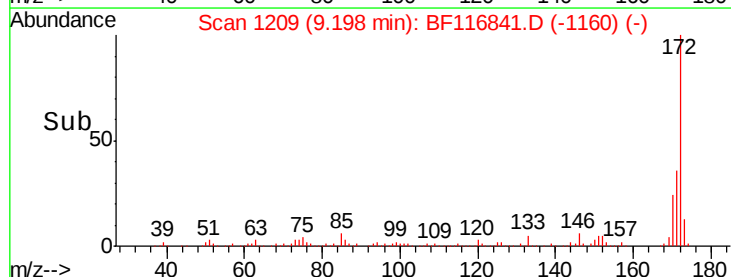
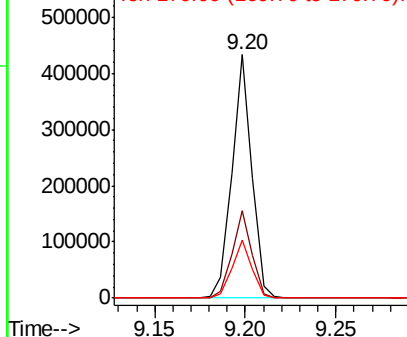
Lab File: BF116841.D

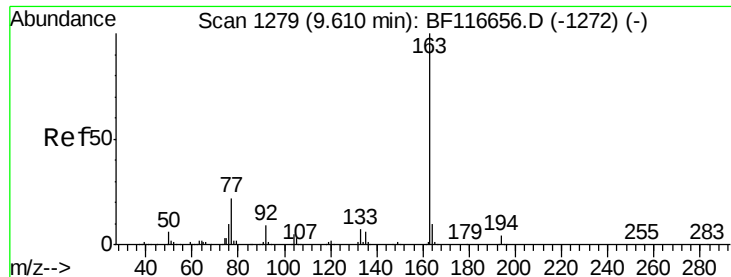
Acq: 5 Sep 2019 16:41

Tgt Ion:	172	Resp:	331332
Ion Ratio	Lower	Upper	
172	100		
171	35.7	27.8	41.6
170	24.0	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: 2.343 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116841.D

Acq: 5 Sep 2019 16:41

Instrument :

BNA_F

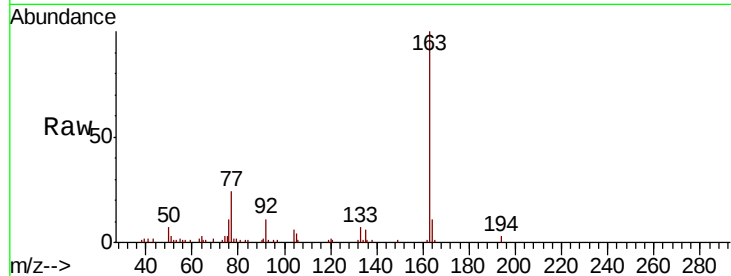
ClientSampleId :

T2-1-4-(0-1.5)

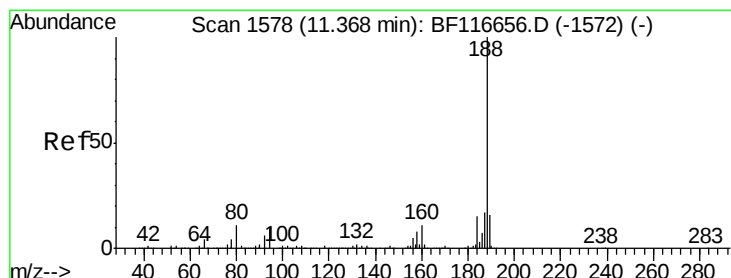
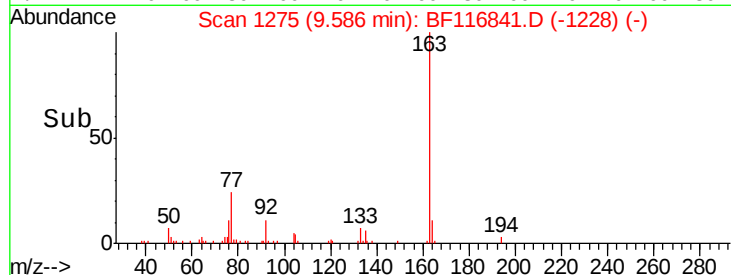
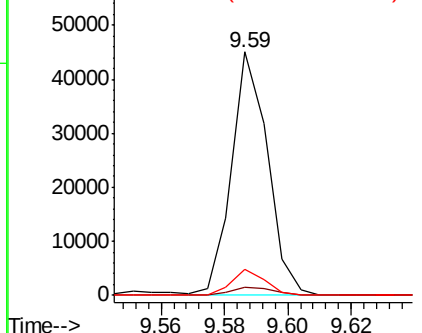
Tot Ion:	163	Resp:	35337
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.8	4.2
164	10.6	8.6	12.8

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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

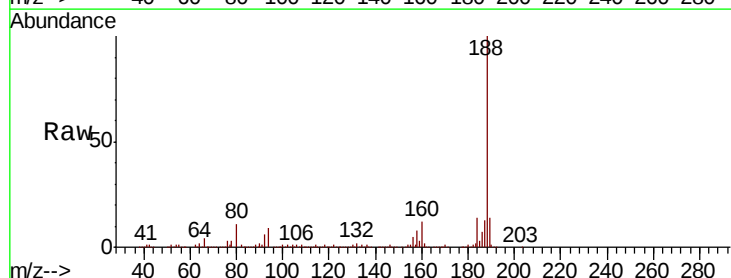
RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

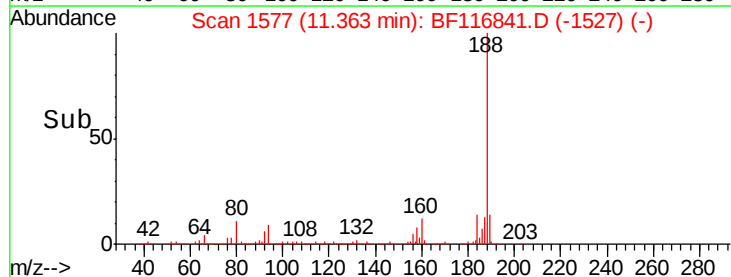
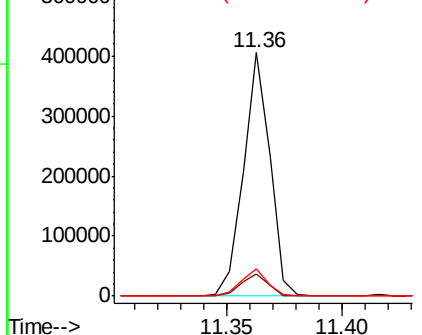
Lab File: BF116841.D

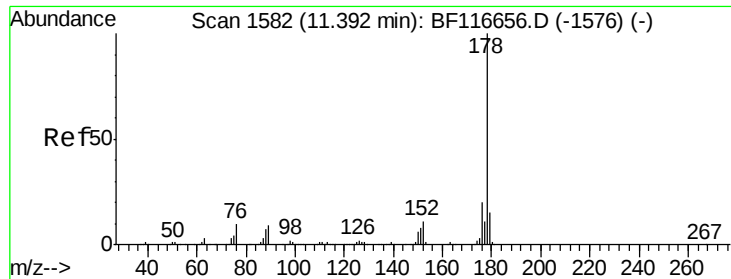
Acq: 5 Sep 2019 16:41

Tgt Ion:	188	Resp:	323749
Ion Ratio	Lower	Upper	
188	100		
94	9.3	7.3	10.9
80	11.4	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: 4.247 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116841.D

Acq: 5 Sep 2019 16:41

Instrument :

BNA_F

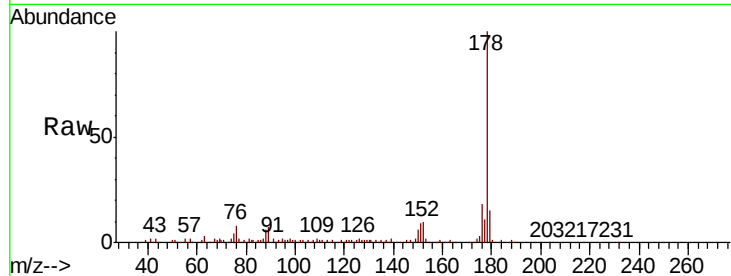
ClientSampled :

T2-1-4-(0-1.5)

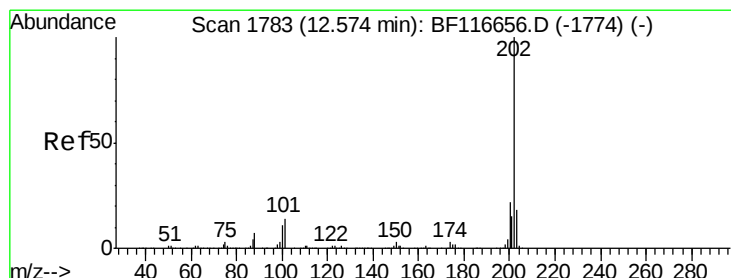
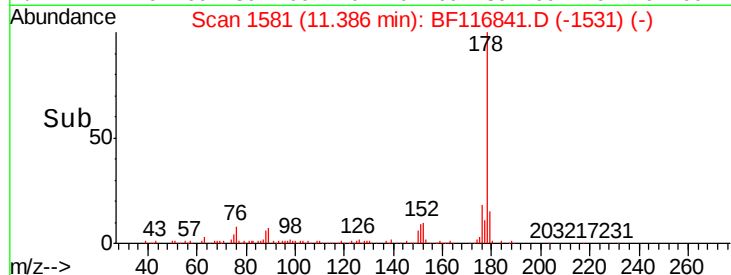
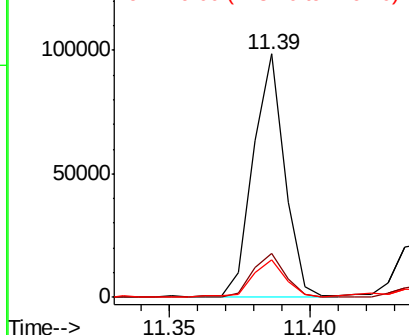
Tot Ion:	178	Resp:	76545
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.4	23.0
179	15.2	12.2	18.2

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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: 8.707 ng

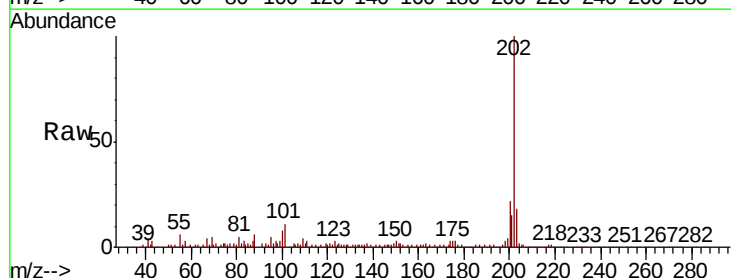
RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

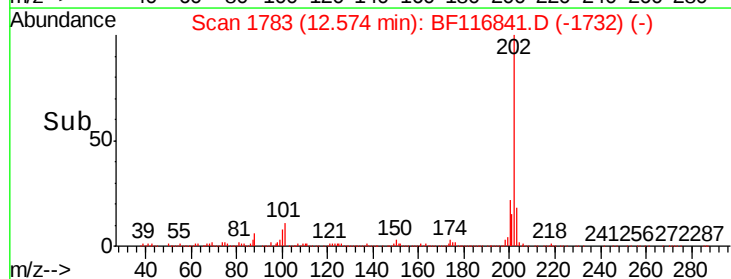
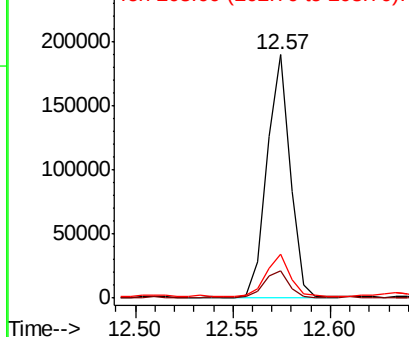
Lab File: BF116841.D

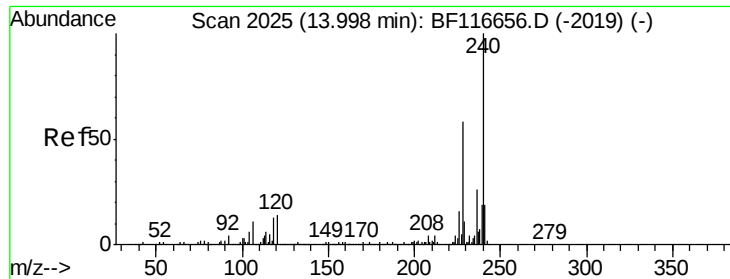
Acq: 5 Sep 2019 16:41

Tgt Ion:	202	Resp:	154215
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	31.3
203	18.1	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





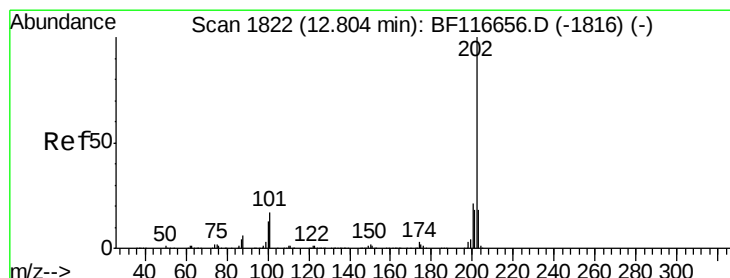
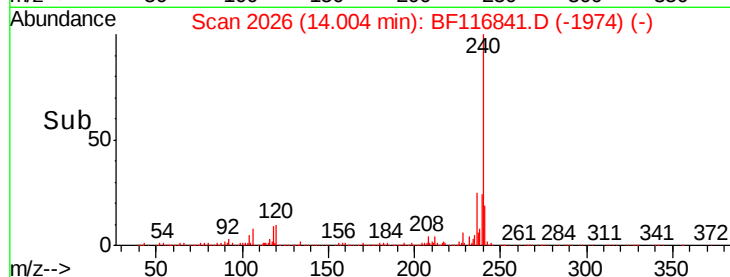
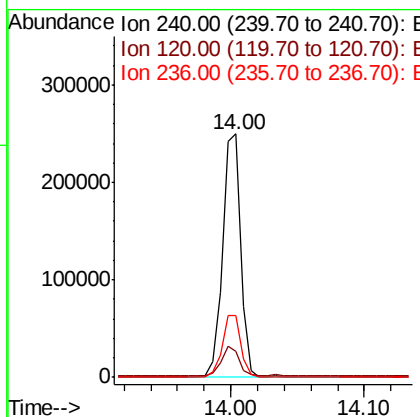
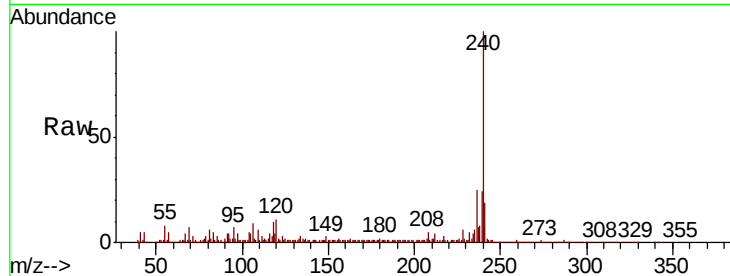
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Instrument :
BNA_F
ClientSampleId :
T2-1-4-(0-1.5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.1	13.7
236	25.4	21.1	31.7

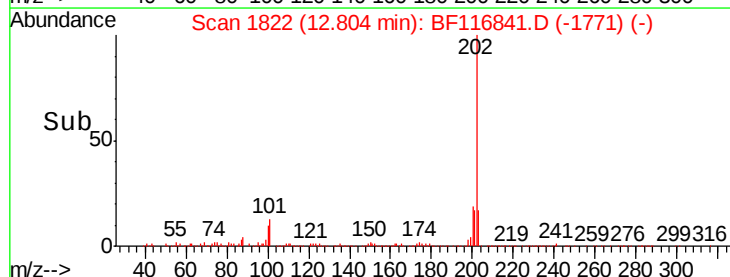
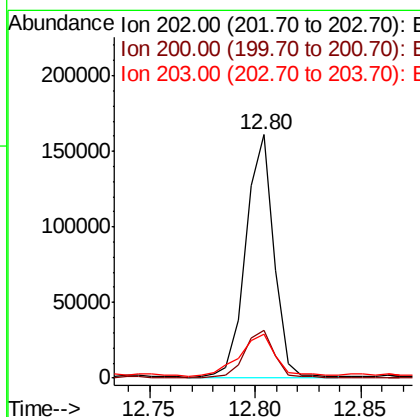
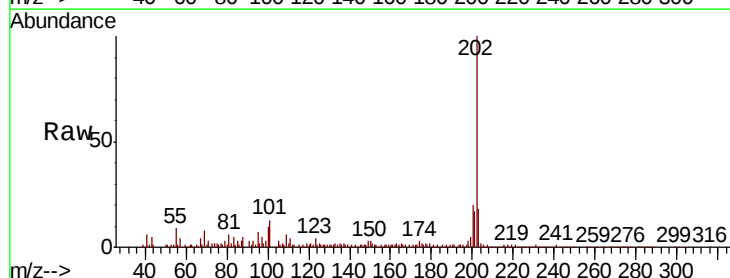
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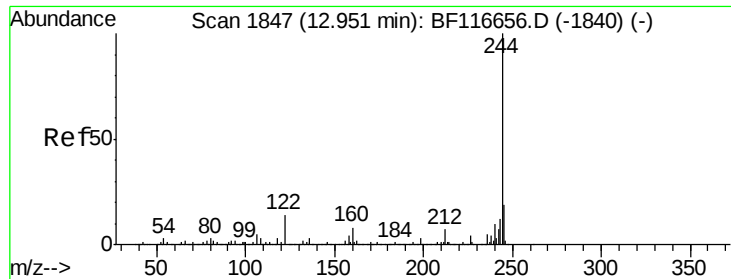
mohammad
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#78
Pyrene
Concen: 6.949 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.5	24.7
203	17.8	13.7	20.5





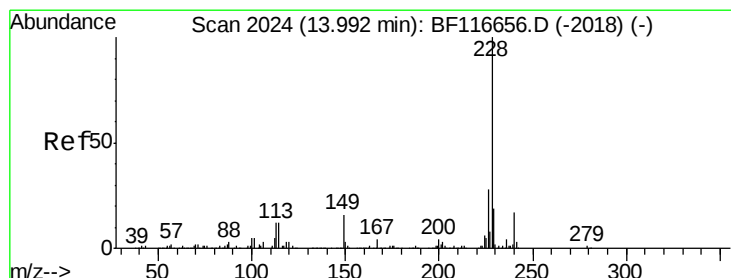
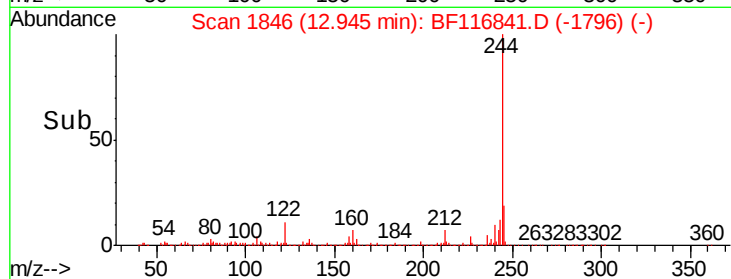
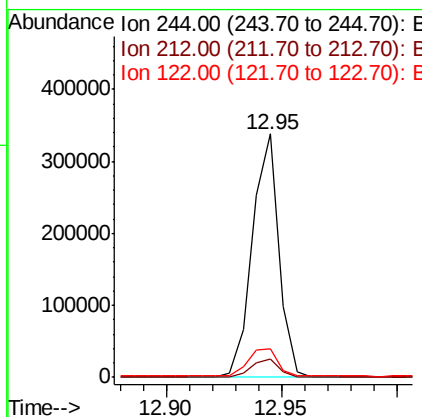
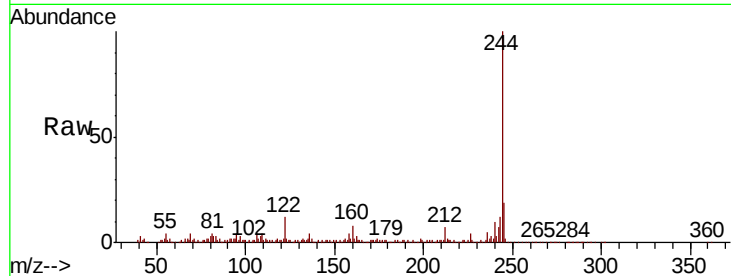
#79
Terphenyl-d14
Concen: 21.100 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Instrument :
BNA_F
ClientSampleId :
T2-1-4-(0-1.5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	11.7	10.2	15.4

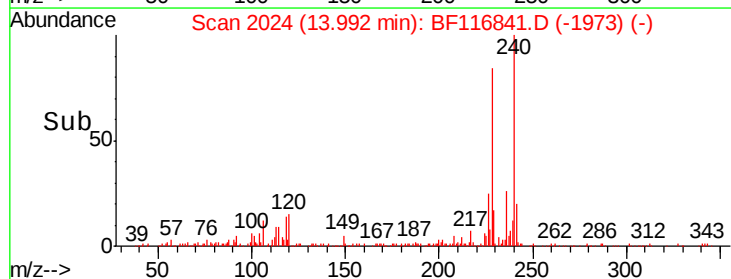
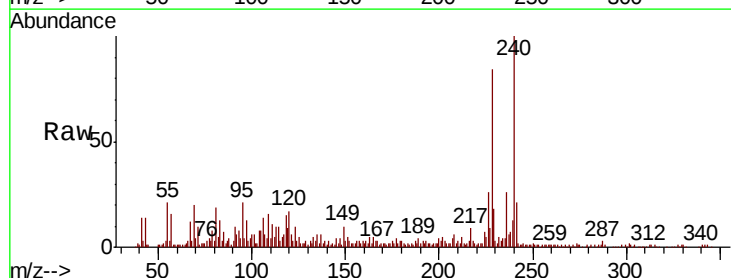
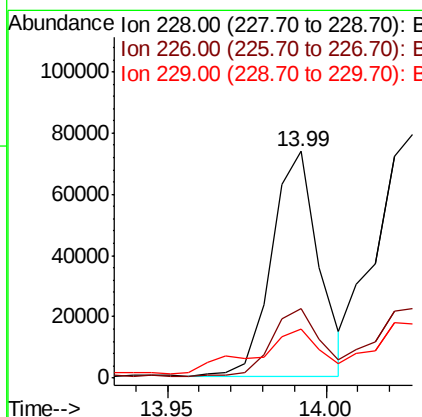
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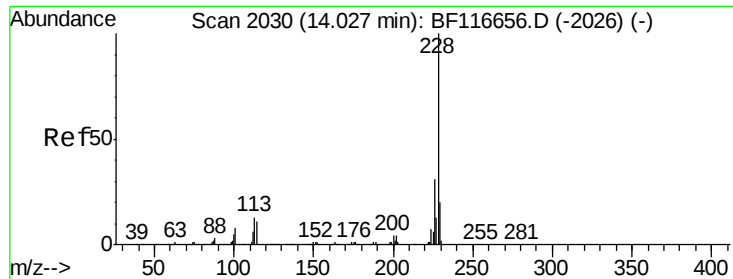
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#81
Benzo(a)anthracene
Concen: 5.009 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.0	33.0
229	21.4	16.4	24.6





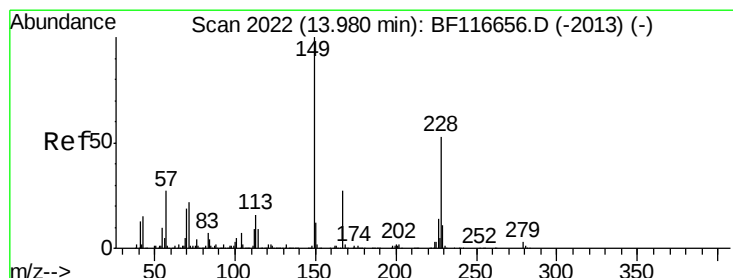
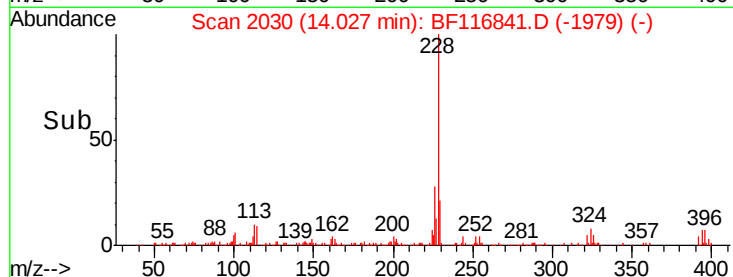
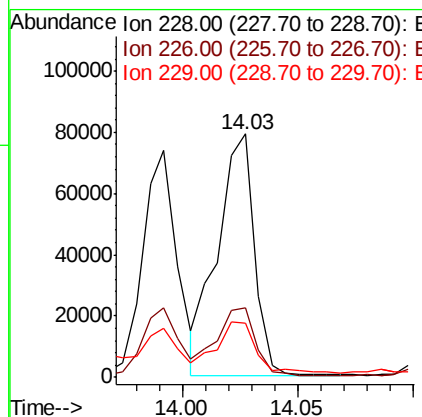
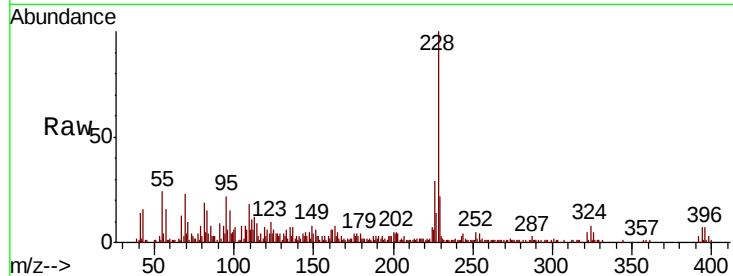
#83
 Chrvsene
 Concen: 5.609 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: BF116841.D
 Acq: 5 Sep 2019 16:41

Instrument :
 BNA_F
 ClientSampleId :
 T2-1-4-(0-1.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	24.0	36.0
229	22.4	15.4	23.0

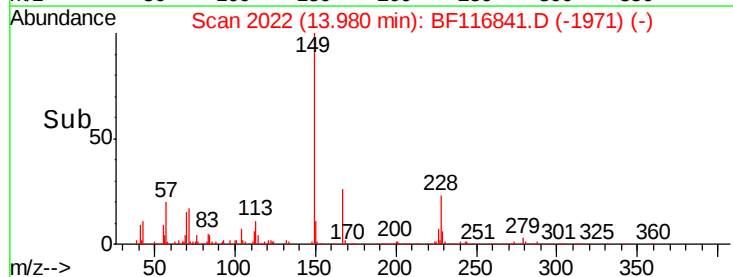
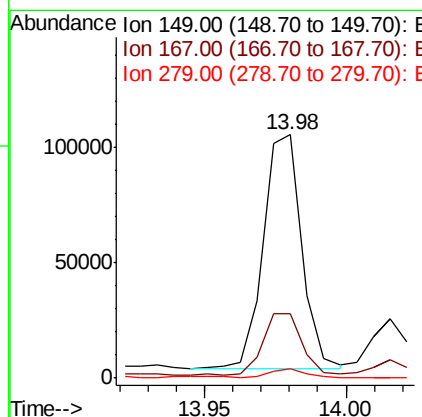
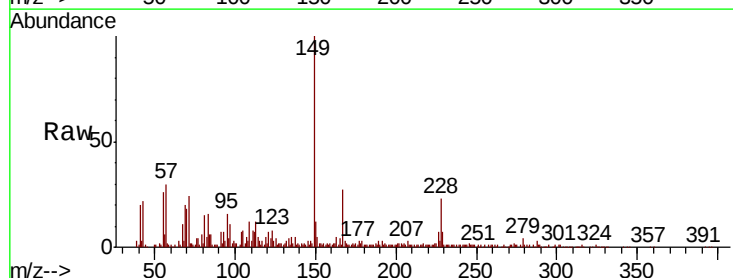
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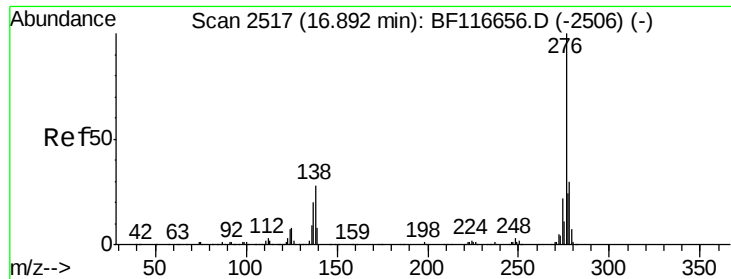
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 7.431 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.00 min
 Lab File: BF116841.D
 Acq: 5 Sep 2019 16:41

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.0	31.4
279	3.6	2.8	4.2





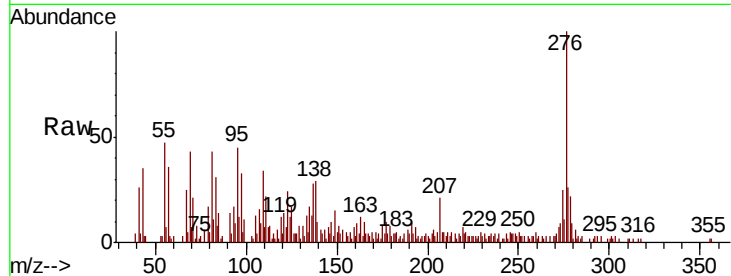
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.629 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.02 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Instrument :
BNA_F
ClientSampleId :
T2-1-4-(0-1.5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.2	19.4	29.2
277	29.2	20.5	30.7

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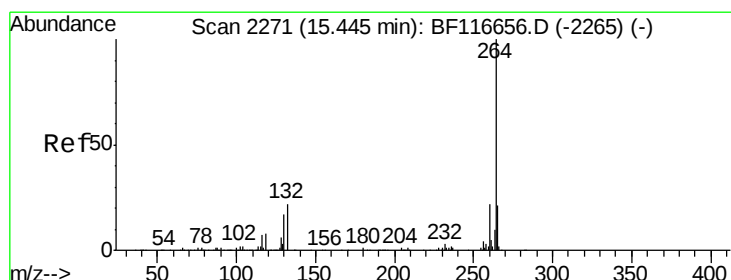
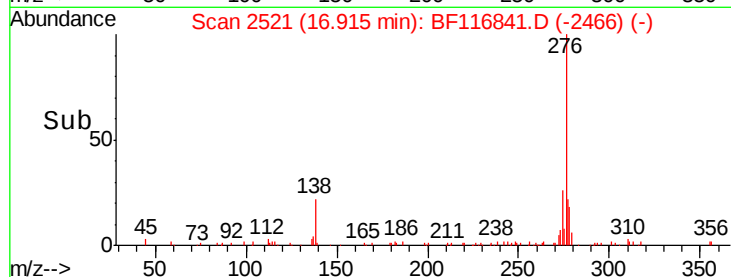
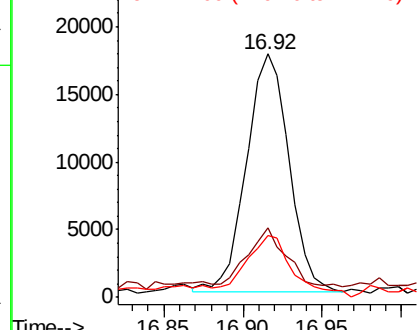


Abundance

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: 15.46 min Scan# 2274
Delta R.T. 0.02 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

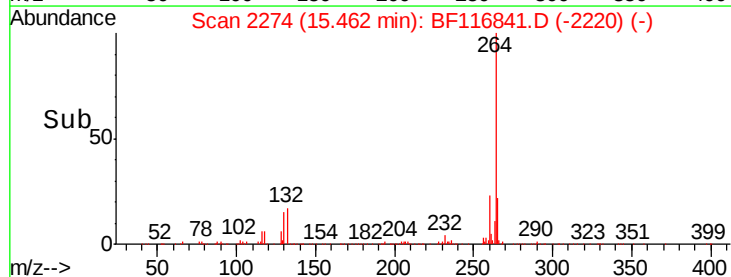
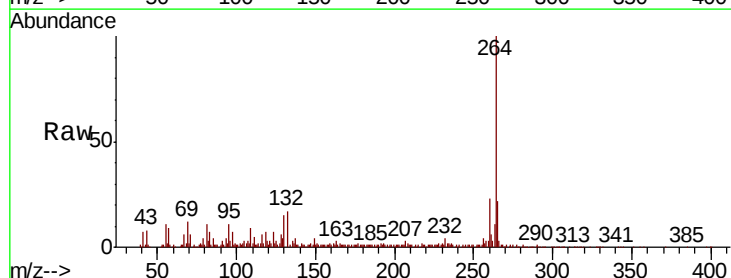
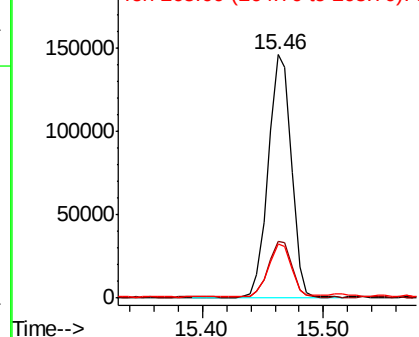
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.3	27.5
265	22.3	16.5	24.7

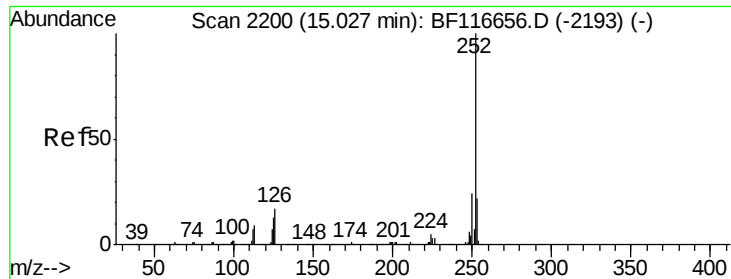
Abundance

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





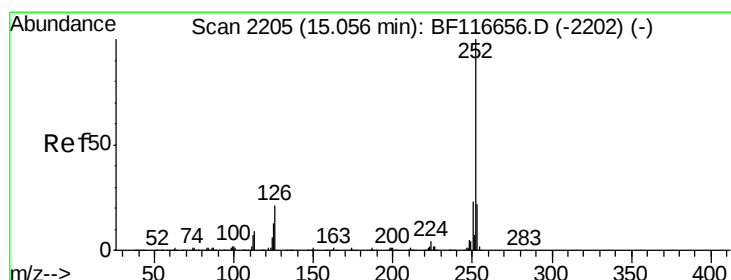
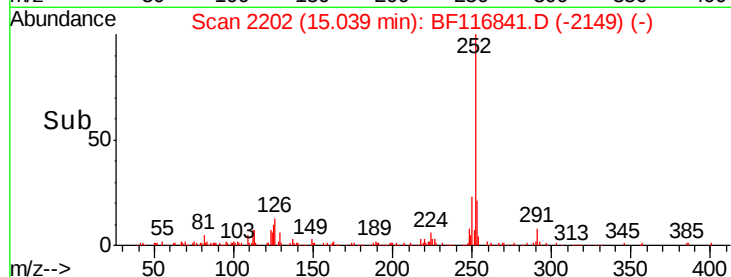
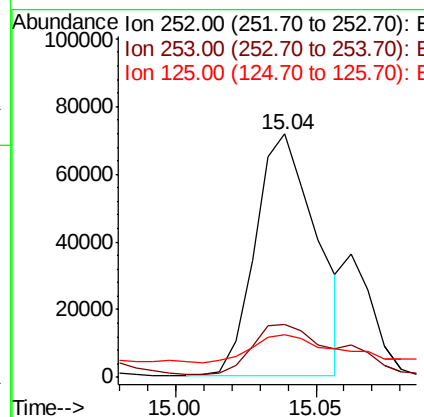
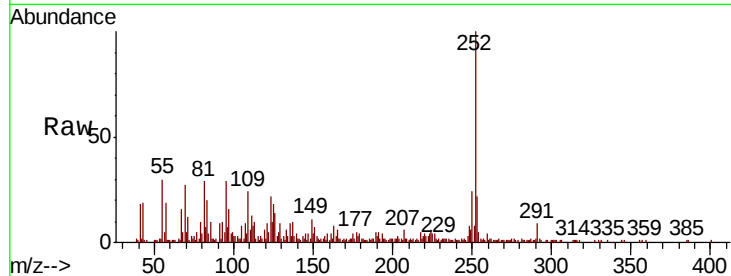
#88
Benzo(b)fluoranthene
Concen: 9.251 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Instrument :
BNA_F
ClientSampleId :
T2-1-4-(0-1.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	17.7	8.2	12.2

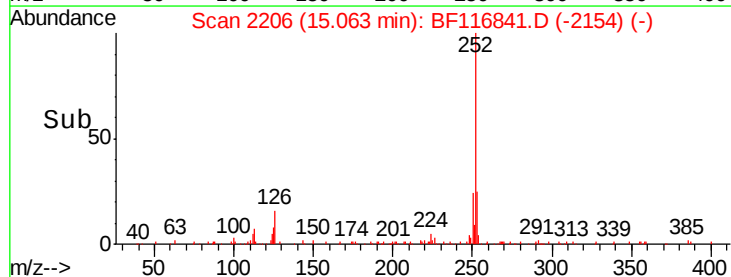
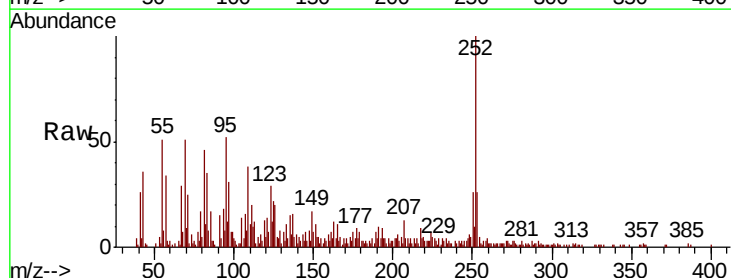
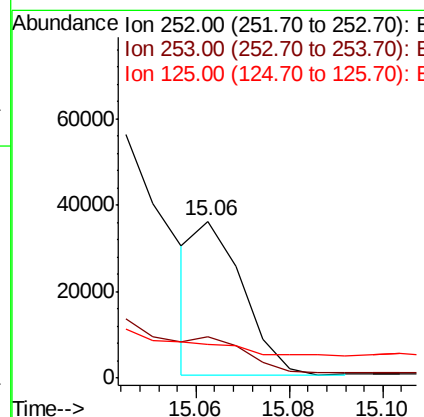
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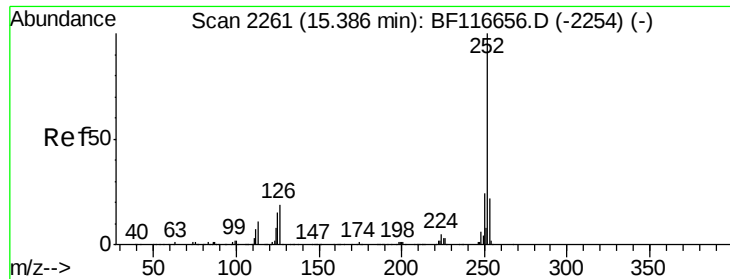
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#89
Benzo(k)fluoranthene
Concen: 2.337 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.7	26.5
125	21.5	8.6	13.0





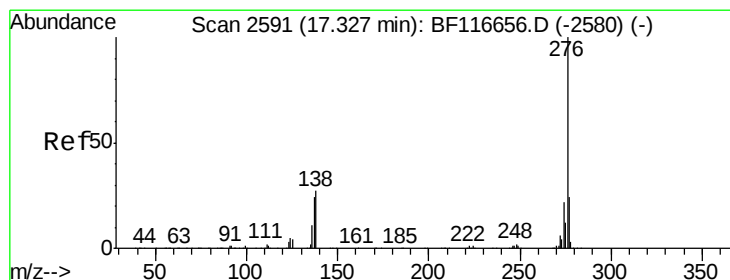
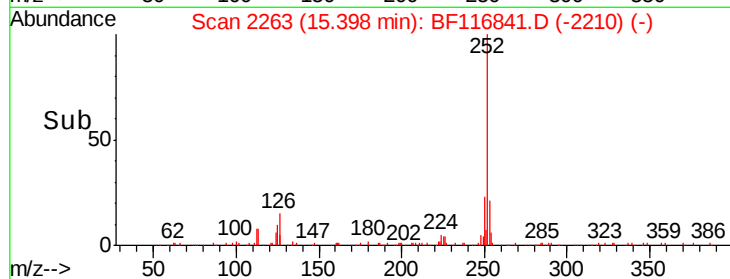
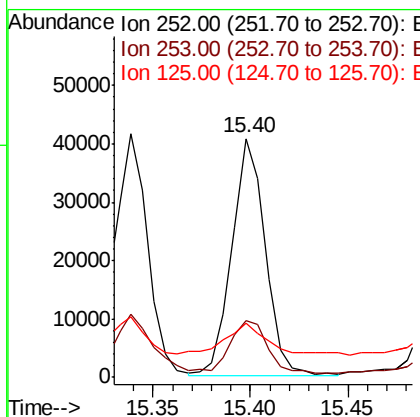
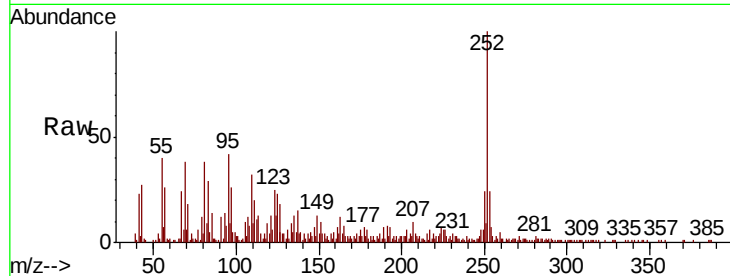
#90
Benzo(a)pyrene
Concen: 4.704 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Instrument :
BNA_F
ClientSampleId :
T2-1-4-(0-1.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	22.8	9.8	14.8#

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#92
Benzo(g,h,i)perylene
Concen: 3.918 ng
RT: 17.36 min Scan# 2596
Delta R.T. 0.03 min
Lab File: BF116841.D
Acq: 5 Sep 2019 16:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.1	18.5	27.7#
138	24.7	16.2	24.2#

