

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
 Data File : BF114555.D
 Acq On : 24 May 2019 5:31
 Operator : JU/SJ
 Sample : K2994-15 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-S

Manual Integrations
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Quant Time: May 24 08:41:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 24 07:23:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	162830	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	632461	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	296327	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	521151	20.00	ng	0.00
76) Chrysene-d12	13.99	240	342364	20.00	ng	0.00
87) Perylene-d12	15.46	264	272661	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	354811	35.07	ng	0.00
7) Phenol-d6	6.46	99	470601	39.32	ng	0.00
23) Nitrobenzene-d5	7.37	82	263594	23.39	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	91224	29.78	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	485812	24.80	ng	0.00
79) Terphenyl-d14	12.92	244	386970	23.30	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.56	163	72586	3.337	ng	99
71) Phenanthrene	11.36	178	184789	7.288	ng	98
72) Anthracene	11.42	178	64406	2.529	ng	98
75) Fluoranthene	12.56	202	576396	21.111	ng	100
78) Pyrene	12.79	202	588139	21.355	ng	99
81) Benzo(a)anthracene	13.98	228	292431	13.206	ng	96
83) Chrysene	14.02	228	263192	12.125	ng	97
86) Indeno(1,2,3-cd)pyrene	16.94	276	131781	6.869	ng	95
88) Benzo(b)fluoranthene	15.03	252	328540m	18.808	ng	
89) Benzo(k)fluoranthene	15.06	252	88125m	5.492	ng	
90) Benzo(a)pyrene	15.40	252	232010	15.092	ng	96
91) Dibenzo(a,h)anthracene	16.93	278	30621	2.397	ng	# 65
92) Benzo(a,h,i)perylene	17.39	276	139618	10.906	ng	96

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

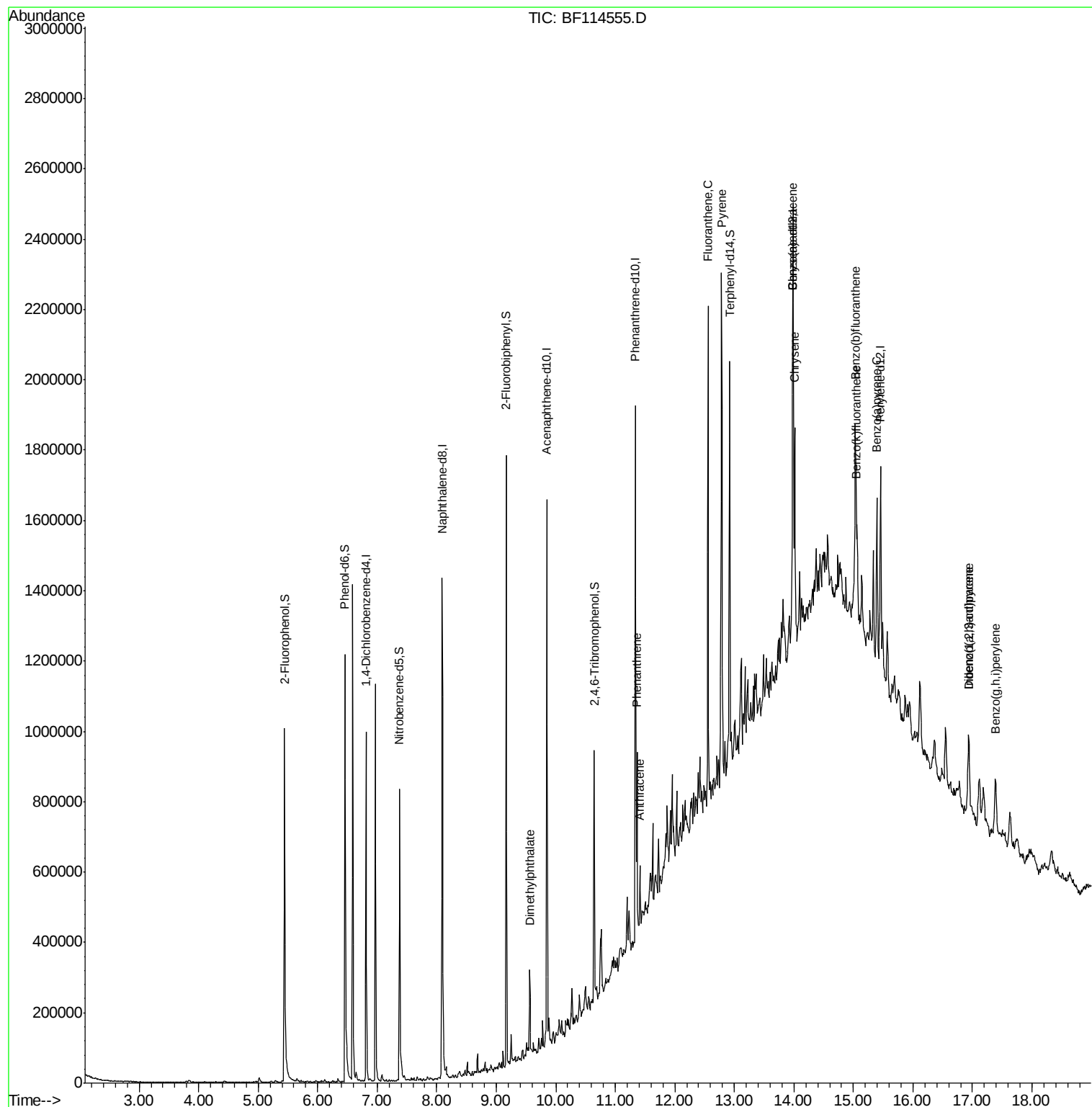
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
Data File : BF114555.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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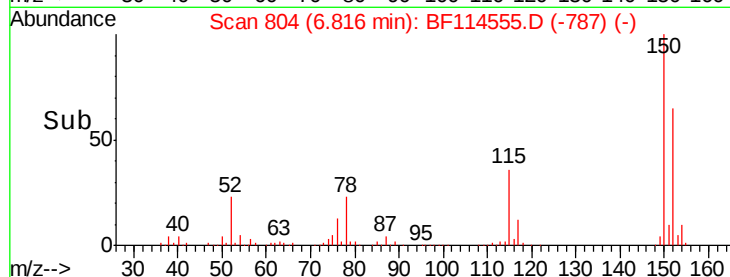
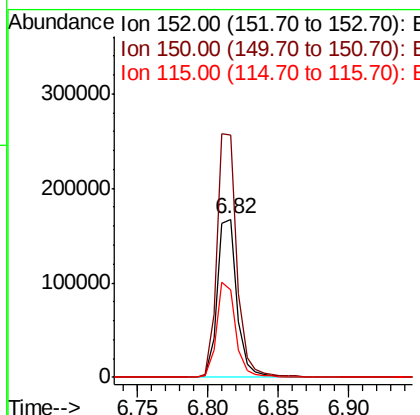
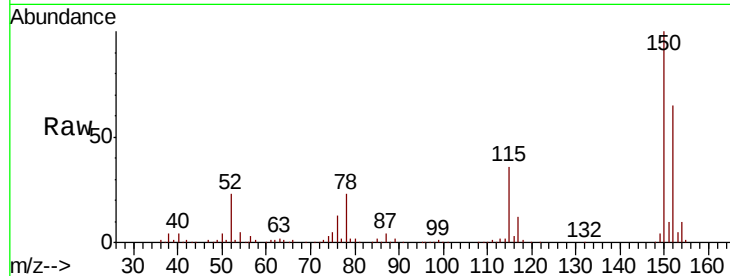
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: BF114555.D
 Acq: 24 May 2019 5:31

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.3	186.5
115	55.4	49.1	73.7

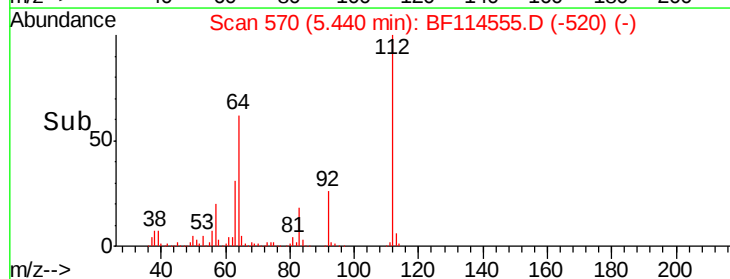
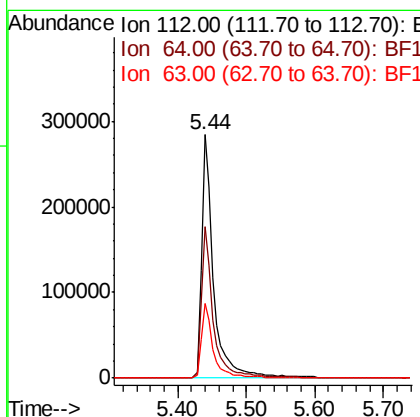
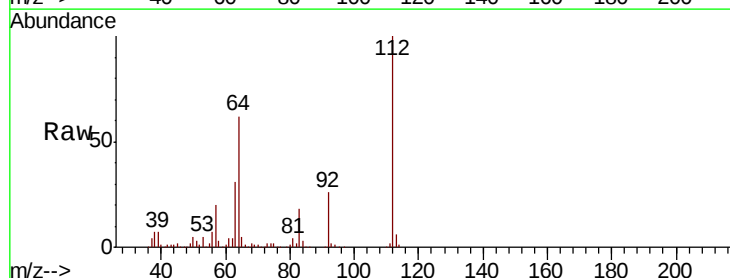
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#5
 2-Fluorophenol
 Concen: 35.066 ng
 RT: 5.44 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: BF114555.D
 Acq: 24 May 2019 5:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.4	49.0	73.6
63	30.6	24.6	37.0





#7

Phenol-d6

Concen: 39.324 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF114555.D

Acq: 24 May 2019 5:31

Instrument :

BNA_F

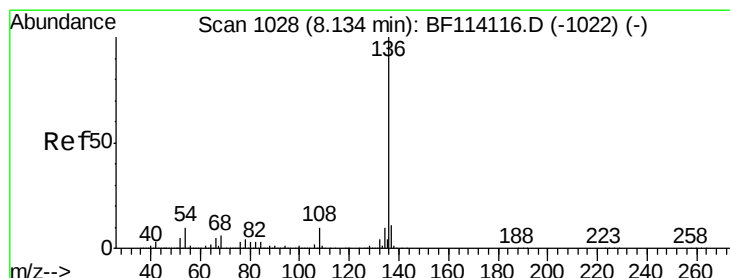
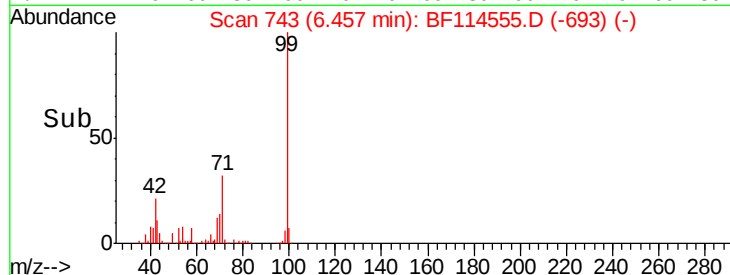
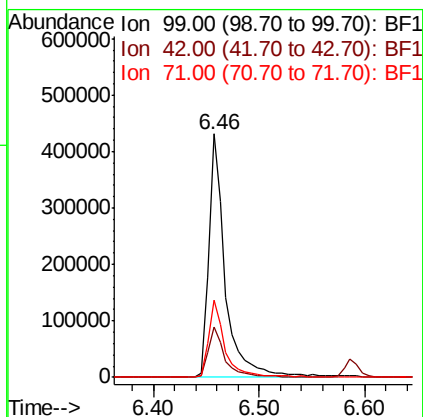
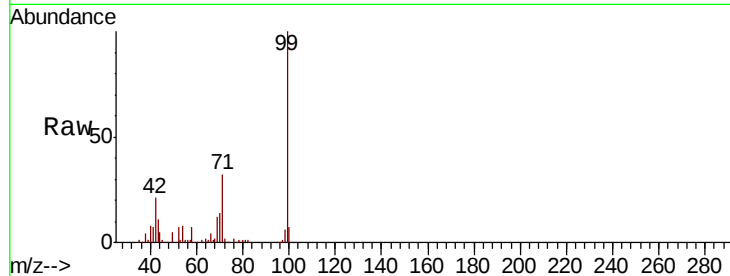
ClientSampled :

TP-6-S

Tot Ion:	99	Resp:	470601
Ion Ratio	Lower	Upper	
99	100		
42	20.7	17.9	26.9
71	31.5	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

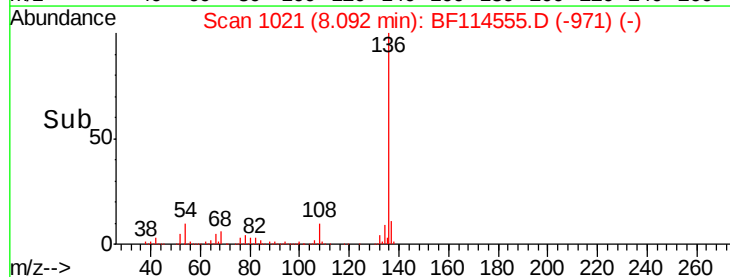
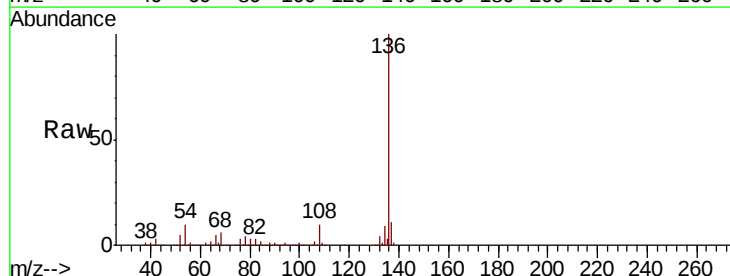
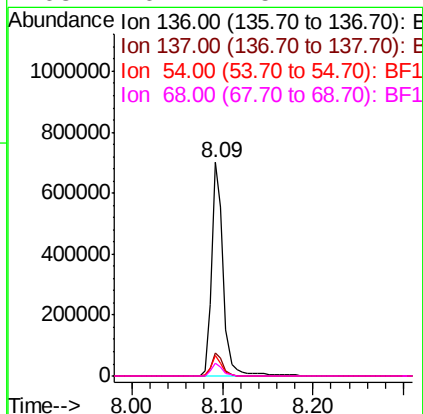
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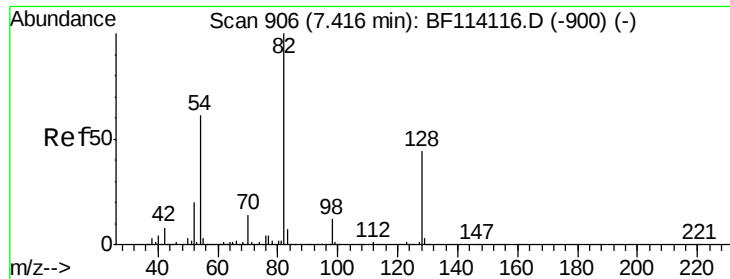
Delta R.T. -0.01 min

Lab File: BF114555.D

Acq: 24 May 2019 5:31

Tgt Ion:	136	Resp:	632461
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	9.7	7.8	11.8
68	6.1	5.1	7.7





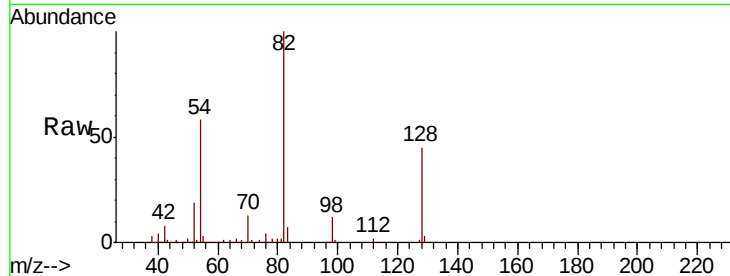
#23
 Nitrobenzene-d5
 Concen: 23.389 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF114555.D
 Acq: 24 May 2019 5:31

Instrument :
 BNA_F
 ClientSampled :
 TP-6-S

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	45.5	35.5	53.3
54	58.2	48.5	72.7

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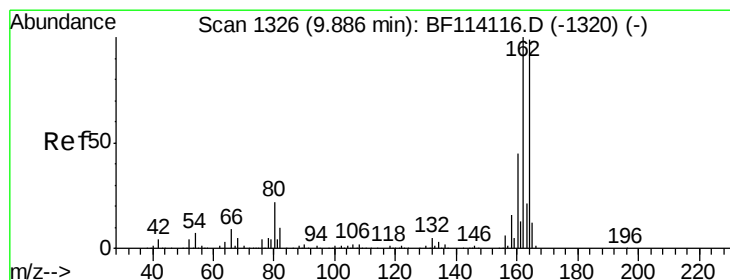
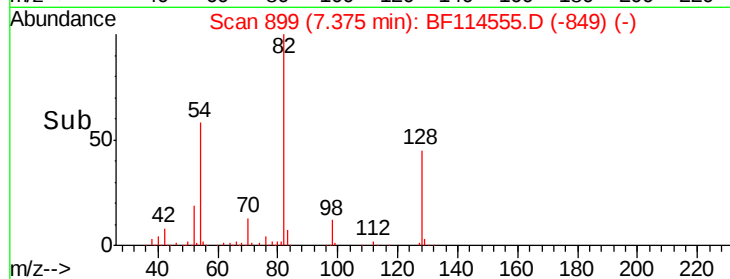
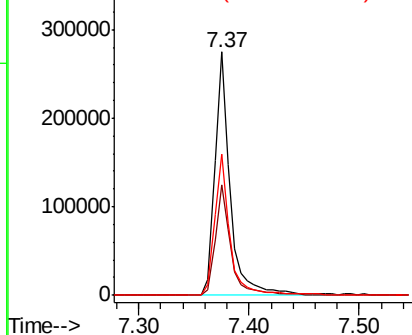


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: BF114555.D
 Acq: 24 May 2019 5:31

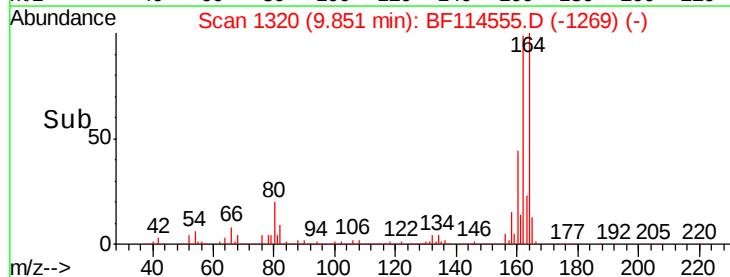
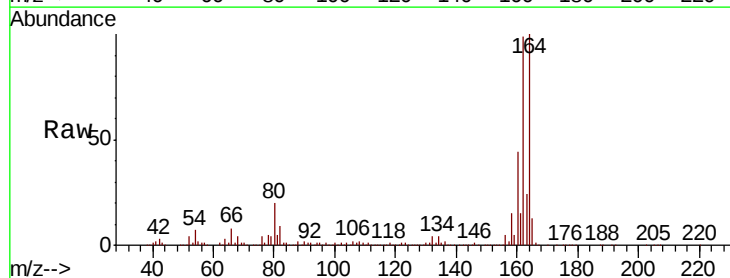
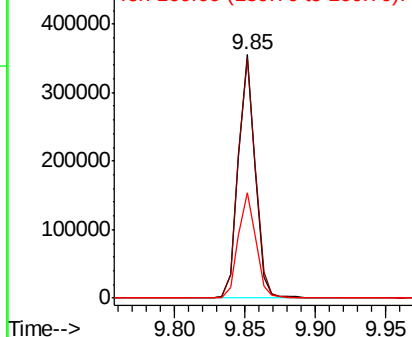
Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	98.6	80.6	120.8
160	43.5	36.5	54.7

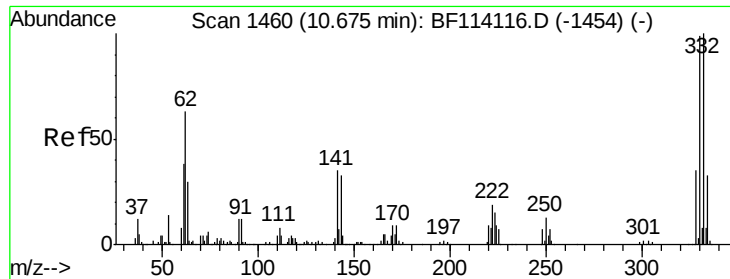
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





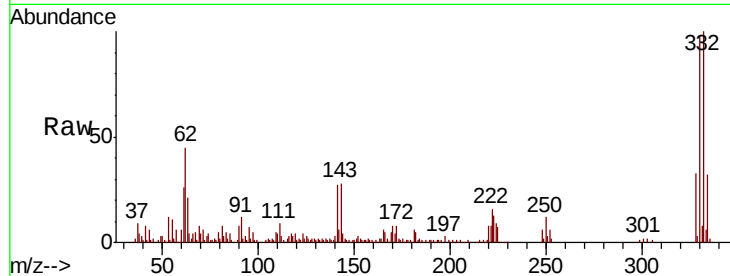
#42
 2,4,6-Tribromophenol
 Concen: 29.777 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: BF114555.D
 Acq: 24 May 2019 5:31

Instrument :
 BNA_F
 ClientSampled :
 TP-6-S

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	101.9	81.4	122.2	
141	33.5	26.6	40.0	

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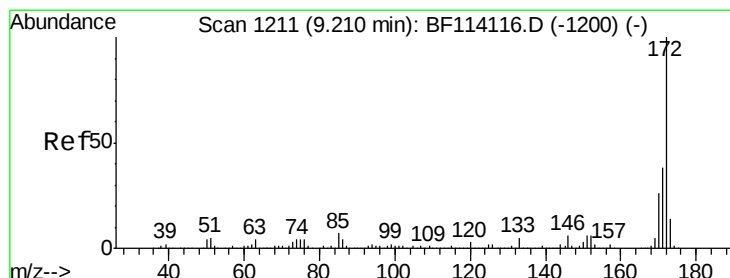
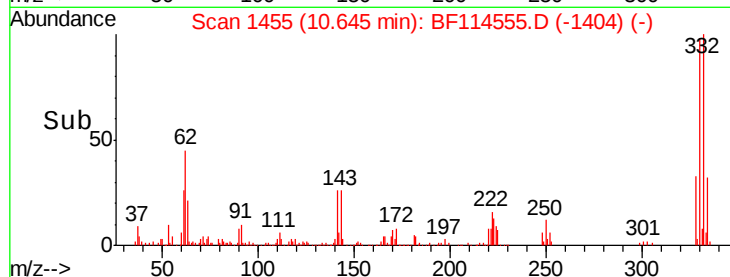
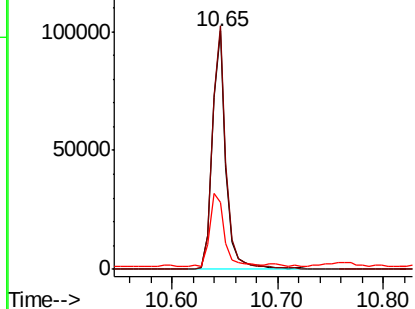


Abundance

Ion 329.80 (329.50 to 330.50): E

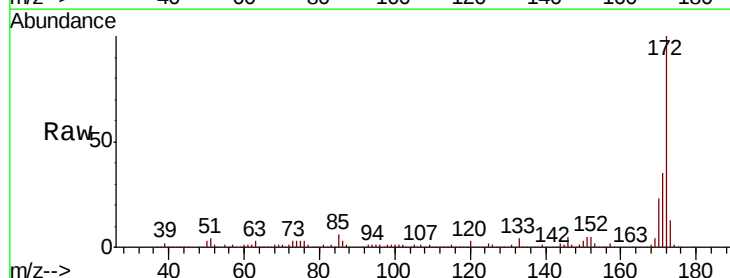
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 24.799 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF114555.D
 Acq: 24 May 2019 5:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.8	30.7	46.1	
170	23.2	20.5	30.7	

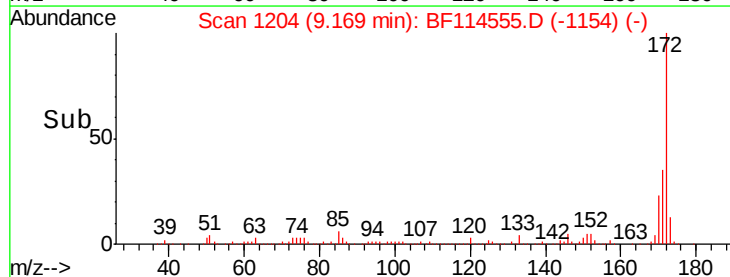
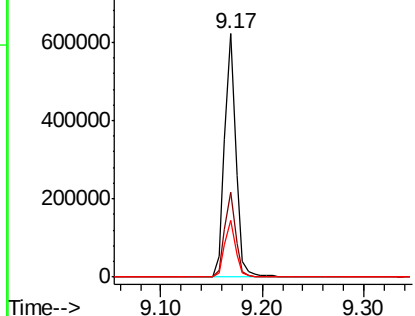


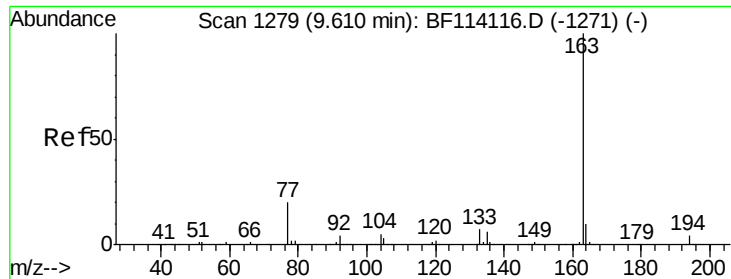
Abundance

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





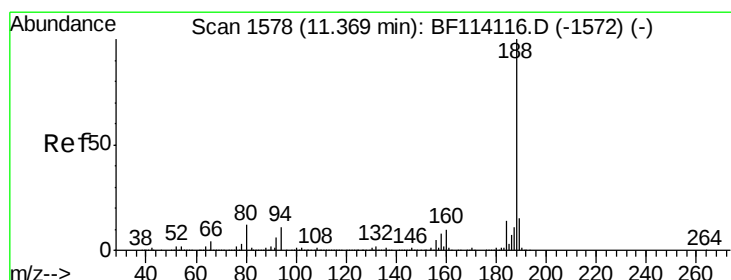
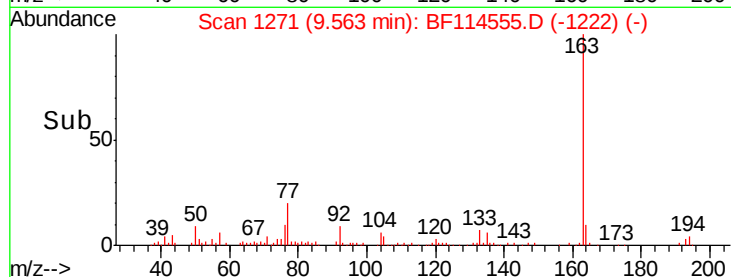
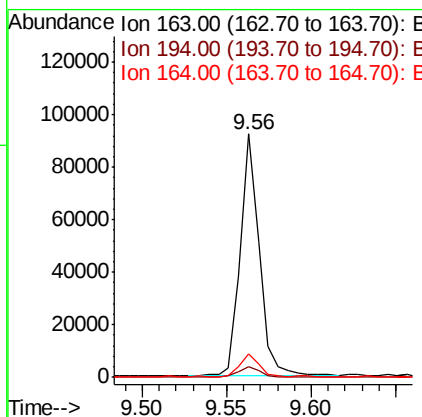
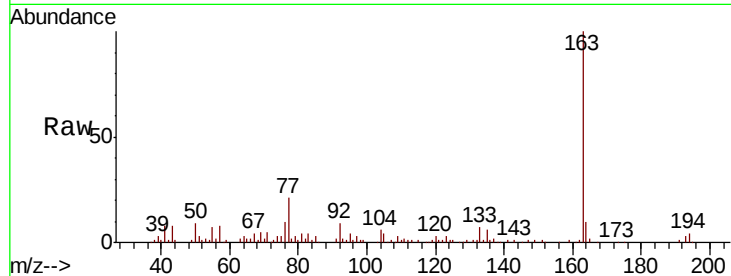
#50
Dimethylphthalate
Concen: 3.337 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF114555.D
Acq: 24 May 2019 5:31

Instrument :
BNA_F
ClientSampleId :
TP-6-S

Tot Ion:	163	Resp:	72586
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.4	5.0
164	9.8	8.2	12.2

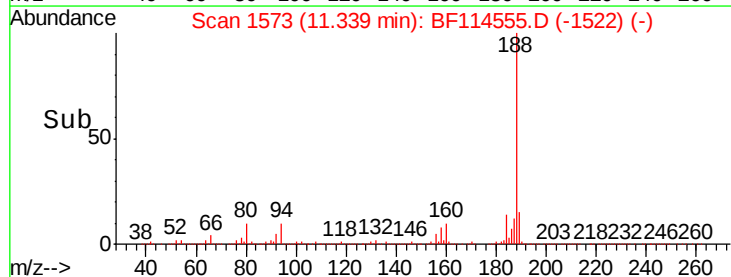
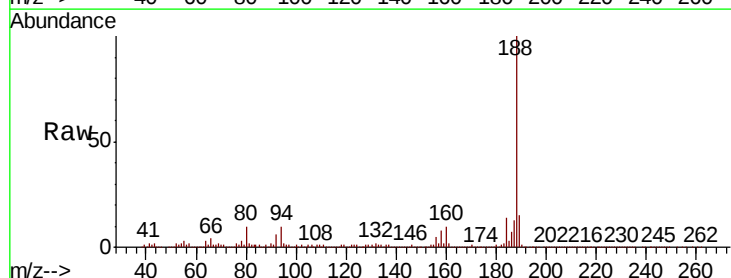
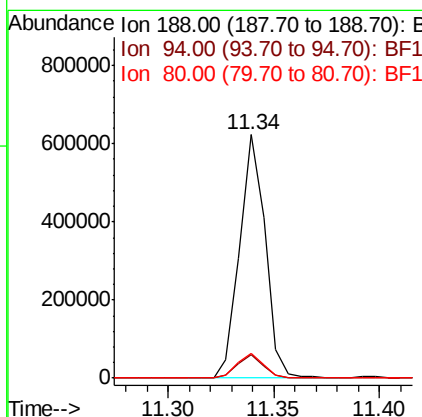
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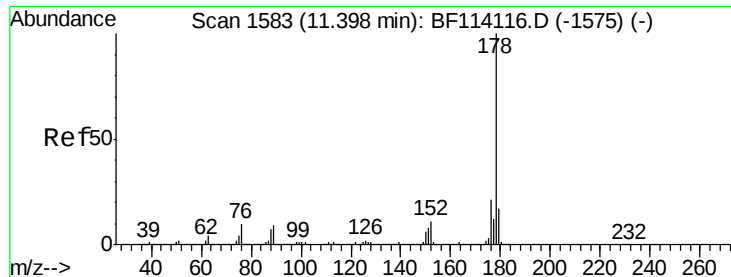
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF114555.D
Acq: 24 May 2019 5:31

Tgt Ion:	188	Resp:	521151
Ion Ratio	Lower	Upper	
188	100		
94	9.8	8.4	12.6
80	10.2	9.2	13.8





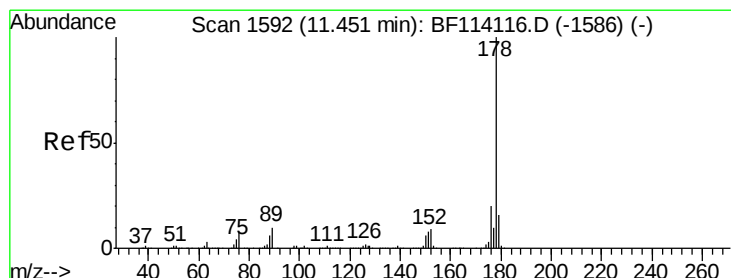
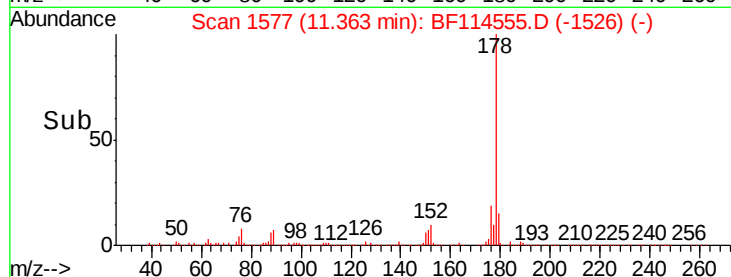
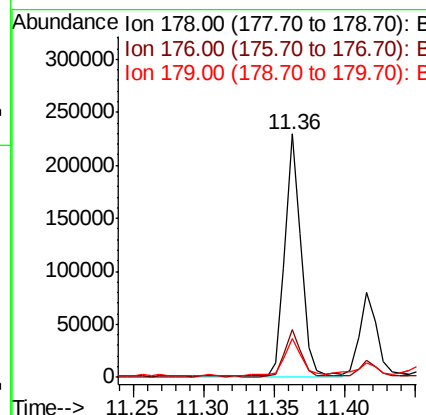
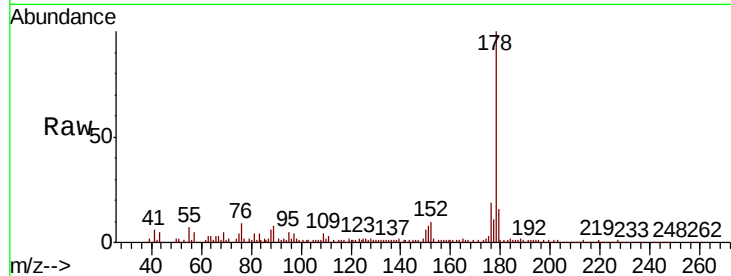
#71
Phenanthrene
Concen: 7.288 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF114555.D
Acq: 24 May 2019 5:31

Instrument :
BNA_F
ClientSampleId :
TP-6-S

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.4	24.6
179	16.0	13.2	19.8

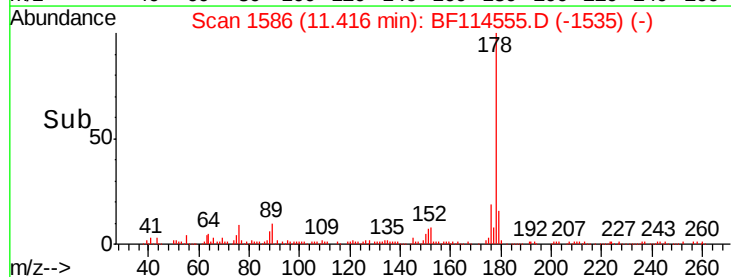
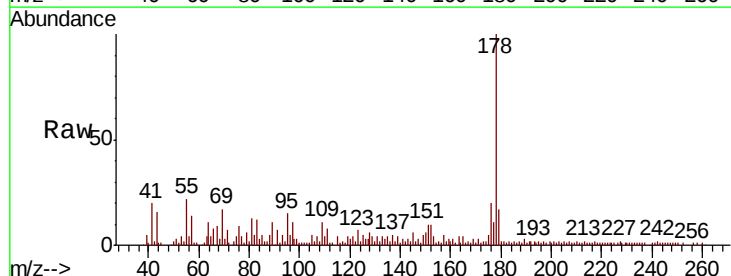
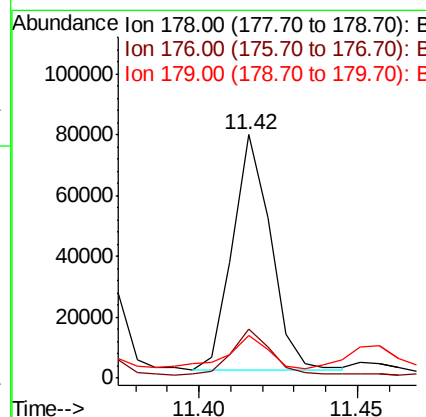
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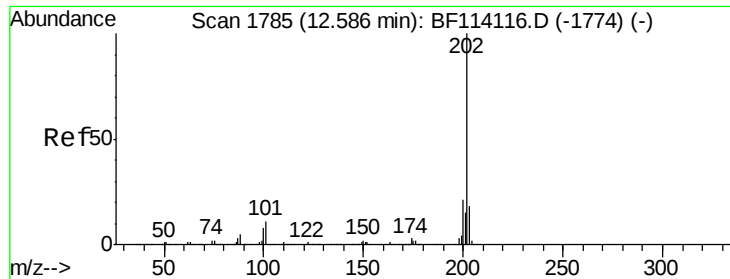
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#72
Anthracene
Concen: 2.529 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF114555.D
Acq: 24 May 2019 5:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	17.3	13.0	19.4





#75

Fluoranthene

Concen: 21.111 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF114555.D

Acq: 24 May 2019 5:31

Instrument :

BNA_F

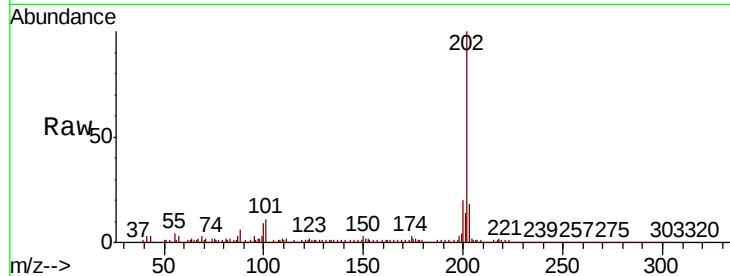
ClientSampleId :

TP-6-S

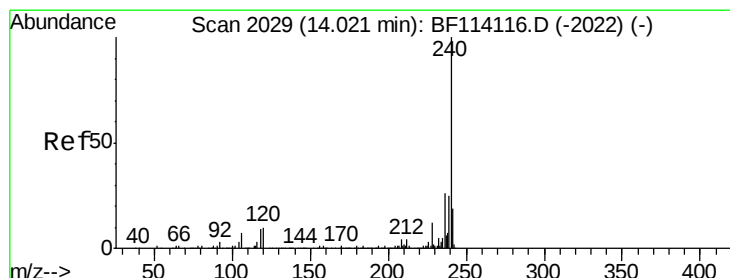
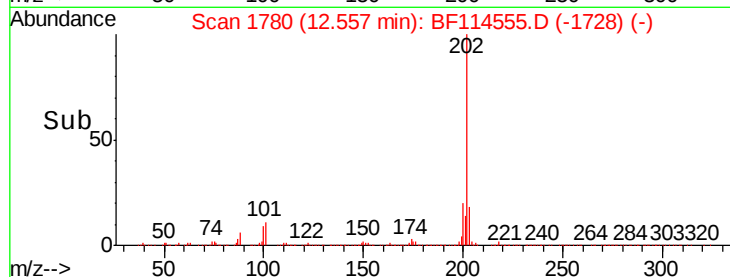
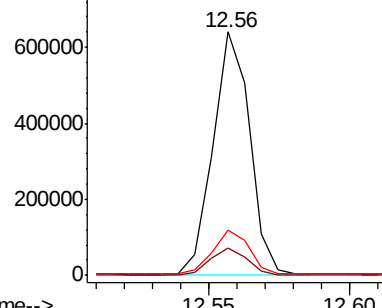
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.1	0.0	31.0
203	18.4	0.0	38.4

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

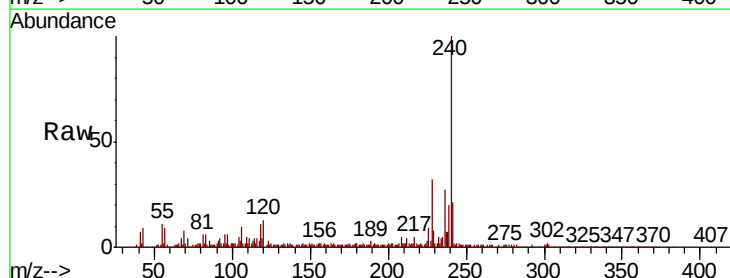
RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

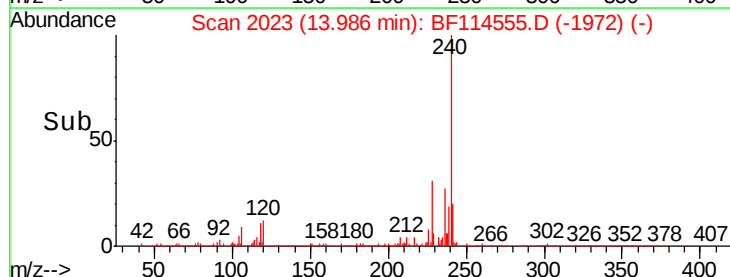
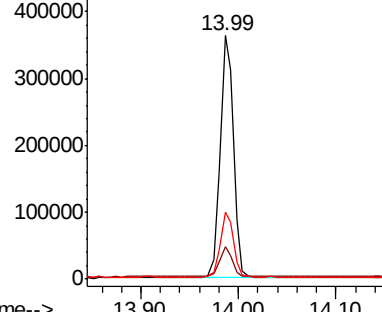
Lab File: BF114555.D

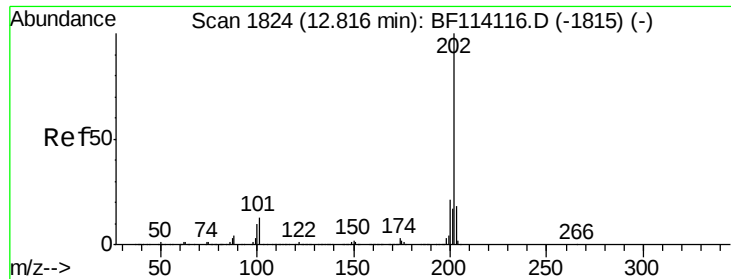
Acq: 24 May 2019 5:31

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.1	8.3	12.5#
236	27.3	20.8	31.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 21.355 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF114555.D

Acq: 24 May 2019 5:31

Instrument :

BNA_F

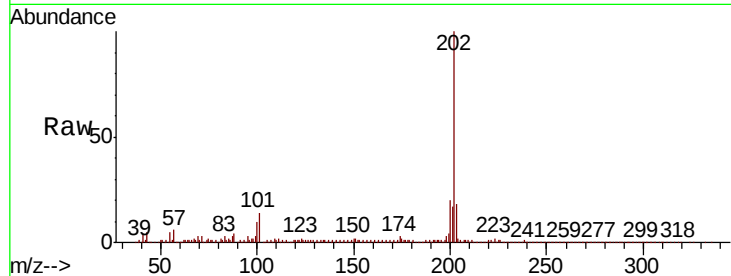
ClientSampleId :

TP-6-S

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.1	16.9	25.3
203	18.1	14.5	21.7

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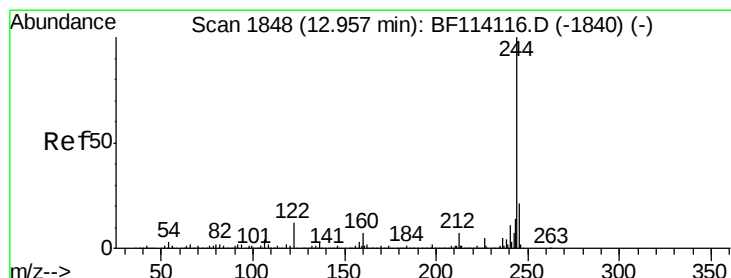
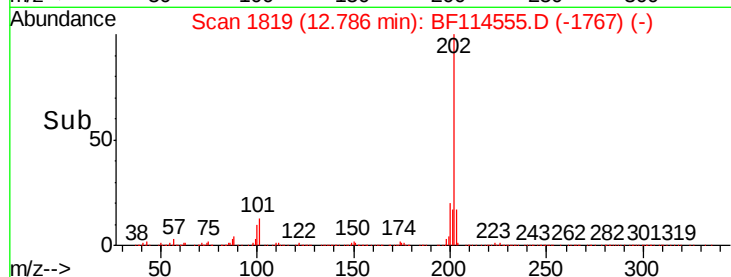
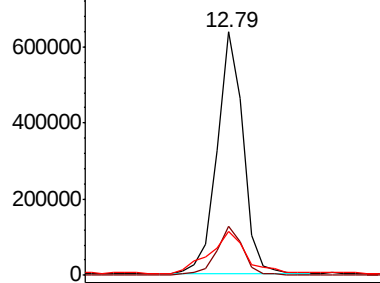


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 23.300 ng

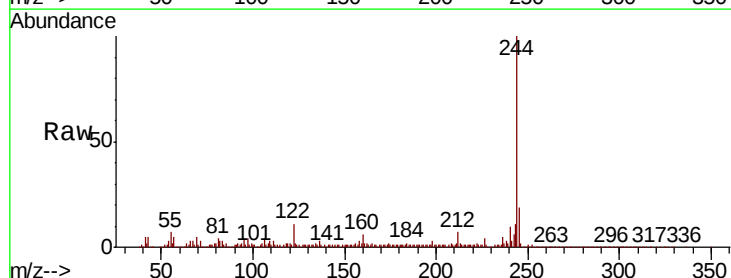
RT: 12.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BF114555.D

Acq: 24 May 2019 5:31

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.8	8.6
122	10.8	9.4	14.2

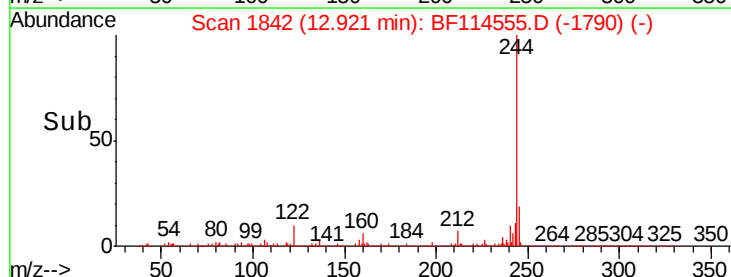
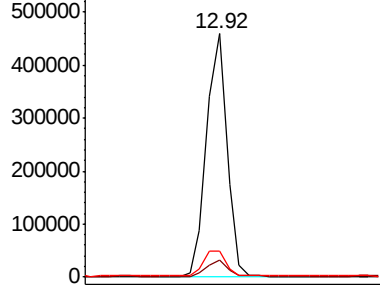


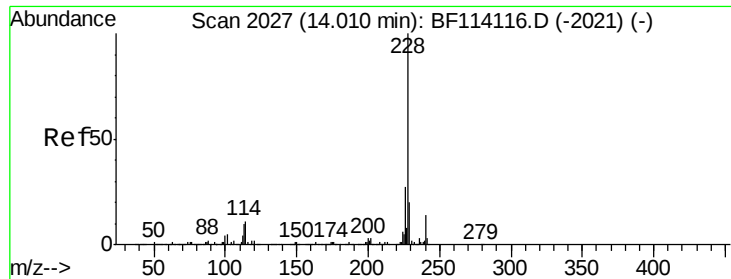
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 13.206 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BF114555.D

Acq: 24 May 2019 5:31

Instrument :

BNA_F

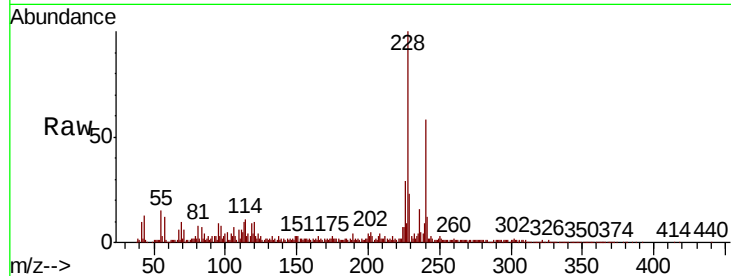
ClientSampleId :

TP-6-S

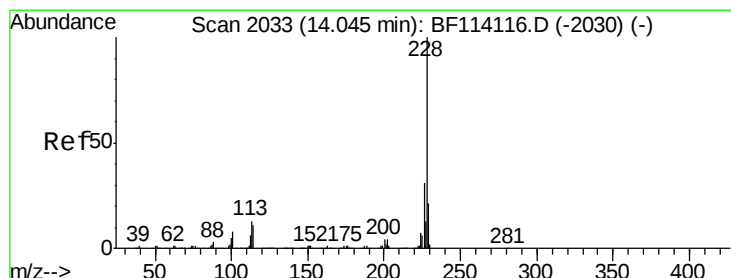
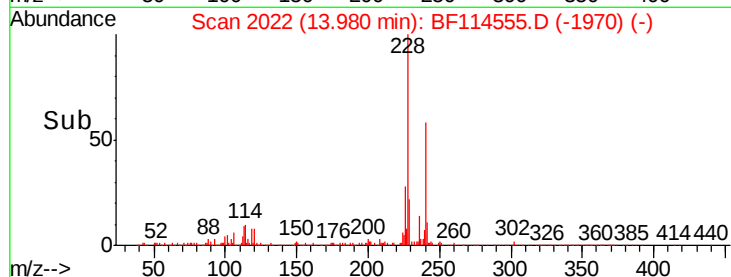
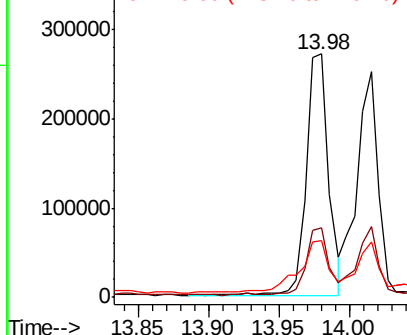
Tot Ion:	228	Resp:	292431
Ion Ratio	Lower	Upper	
228	100		
226	28.7	22.2	33.2
229	23.2	16.4	24.6

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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: 12.125 ng

RT: 14.02 min Scan# 2028

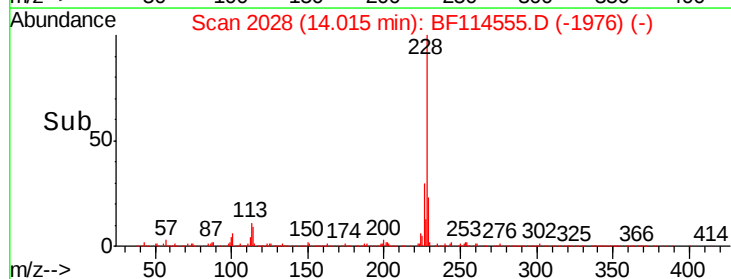
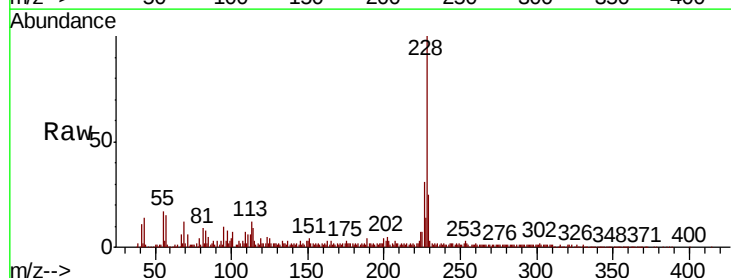
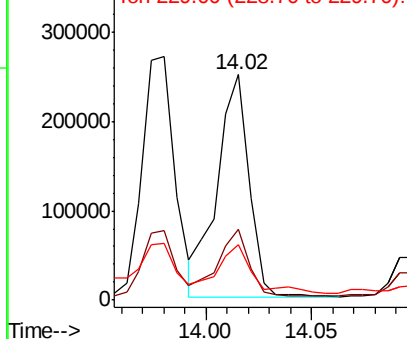
Delta R.T. 0.01 min

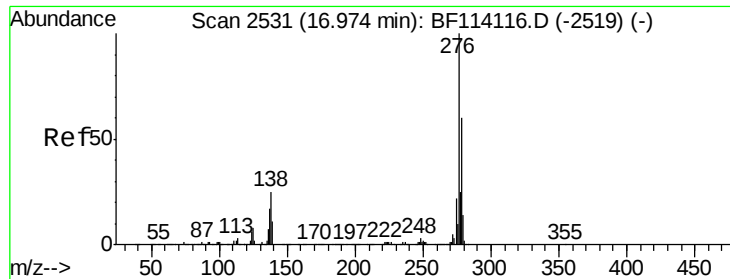
Lab File: BF114555.D

Acq: 24 May 2019 5:31

Tgt Ion:	228	Resp:	263192
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.0	37.6
229	24.8	17.0	25.6

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





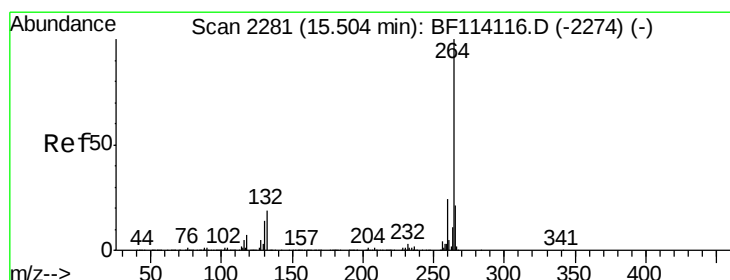
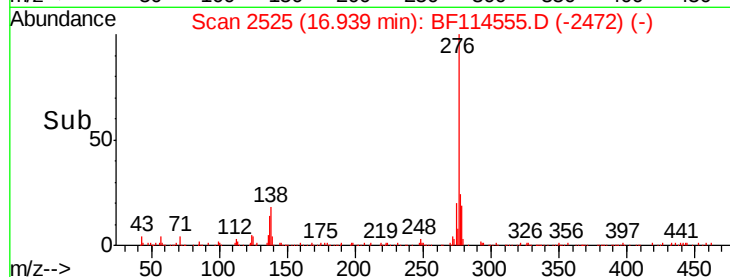
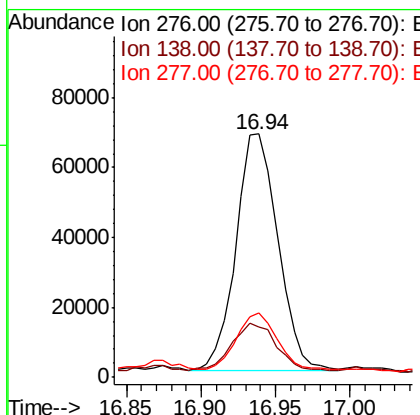
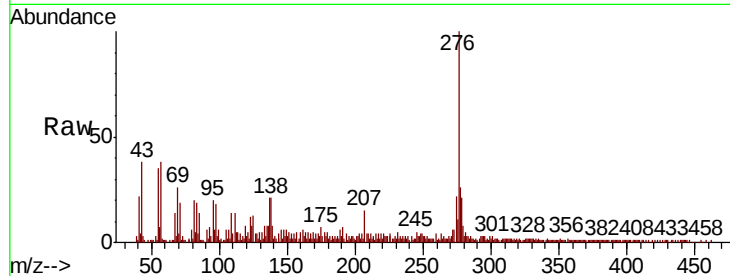
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.869 ng
RT: 16.94 min Scan# 2525
Delta R.T. 0.01 min
Lab File: BF114555.D
Acq: 24 May 2019 5:31

Instrument :
BNA_F
ClientSampleId :
TP-6-S

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.7	20.2	30.2
277	24.1	20.0	30.0

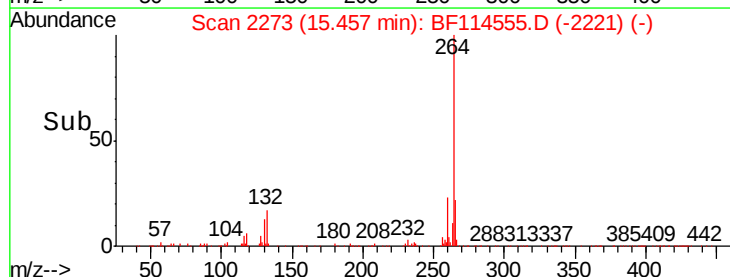
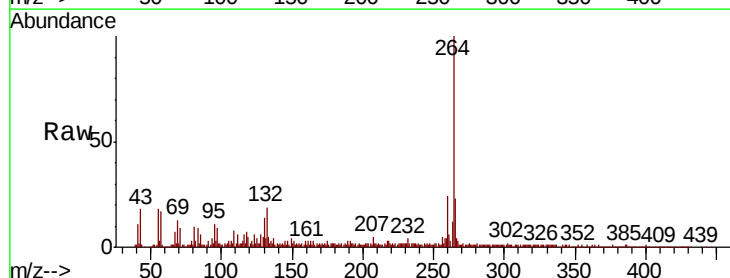
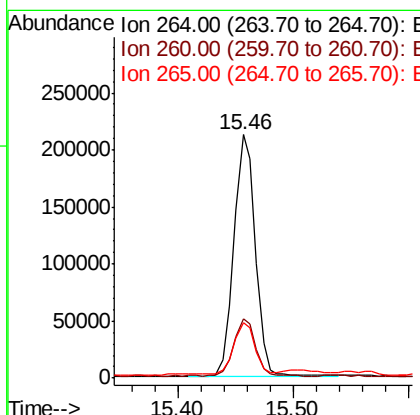
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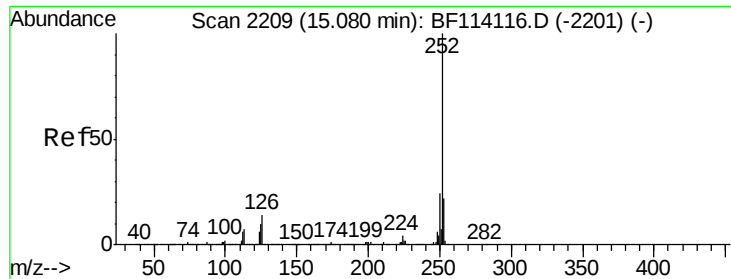
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF114555.D
Acq: 24 May 2019 5:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.0
265	22.8	16.9	25.3





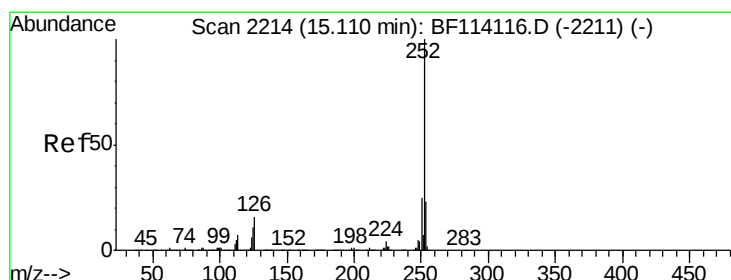
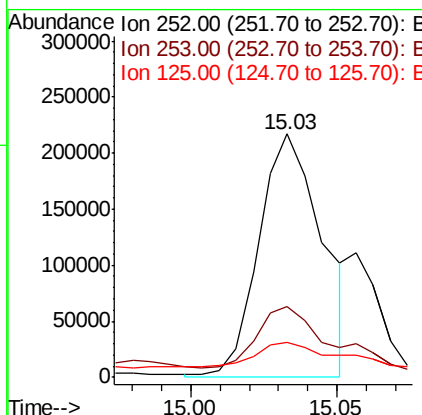
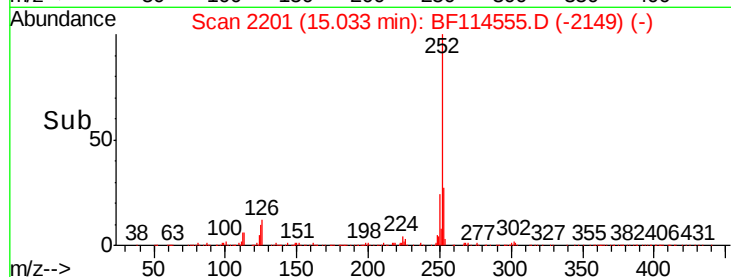
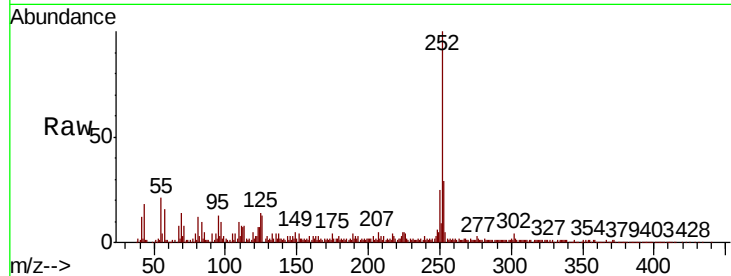
#88
Benzo(b)fluoranthene
Concen: 18.808 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF114555.D
Acq: 24 May 2019 5:31

Instrument :
BNA_F
ClientSampled :
TP-6-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.0	17.8	26.8#
125	14.2	8.3	12.5#

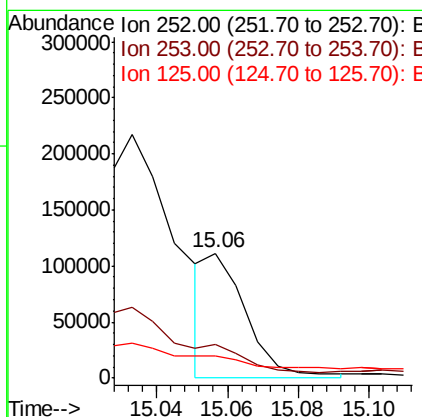
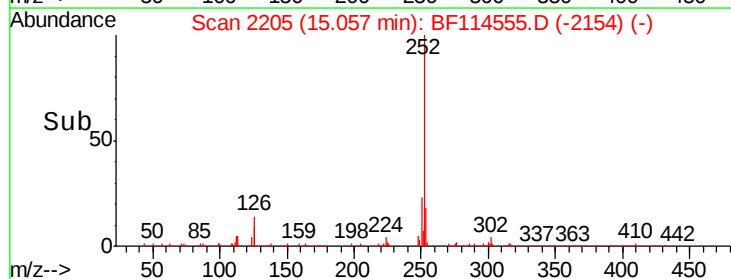
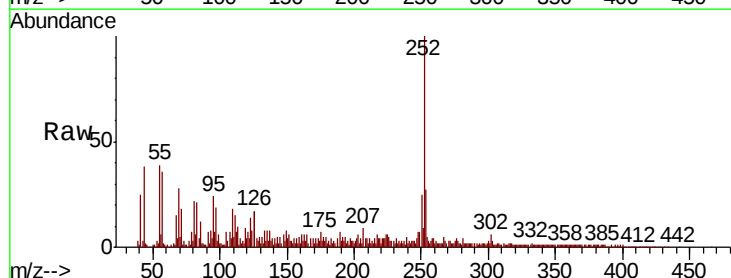
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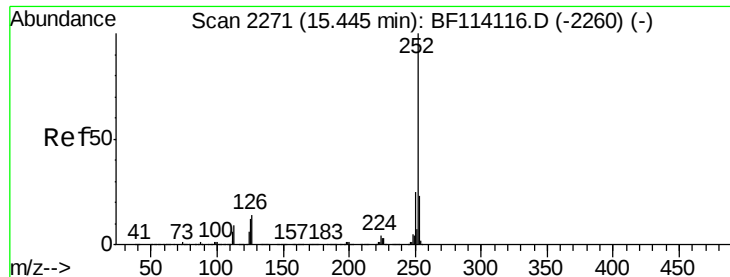
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#89
Benzo(k)fluoranthene
Concen: 5.492 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BF114555.D
Acq: 24 May 2019 5:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.2	27.2
125	17.4	8.6	13.0#





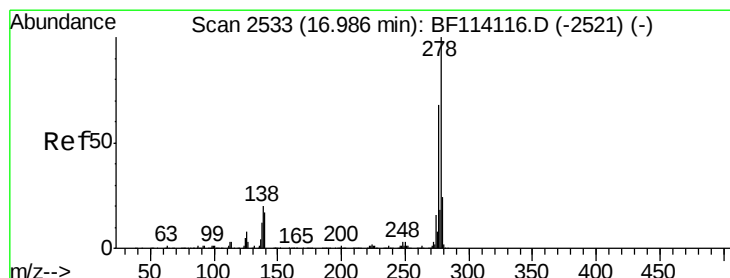
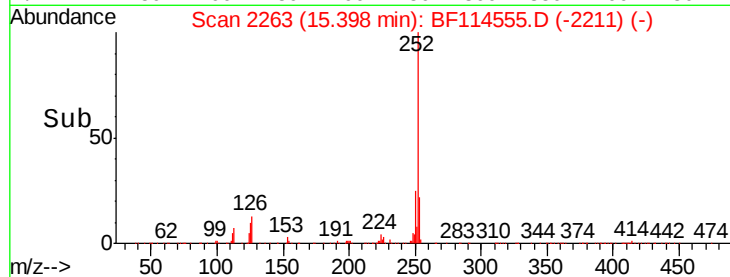
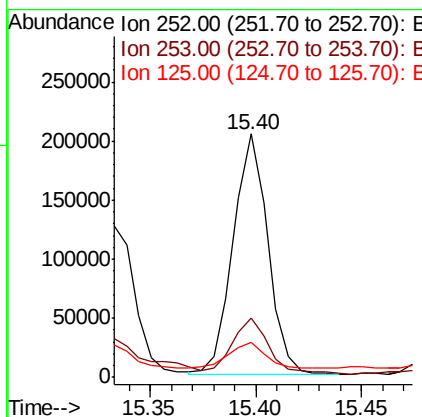
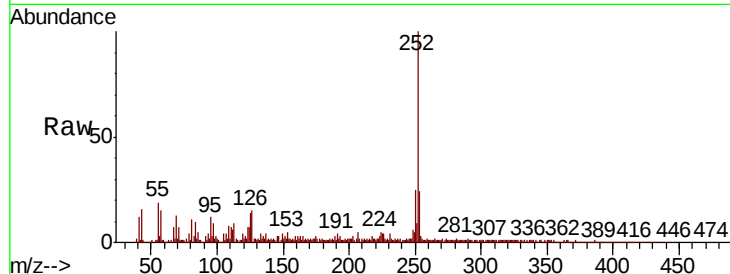
#90
Benzo(a)pyrene
Concen: 15.092 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF114555.D
Acq: 24 May 2019 5:31

Instrument :
BNA_F
ClientSampleId :
TP-6-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	14.2	9.5	14.3

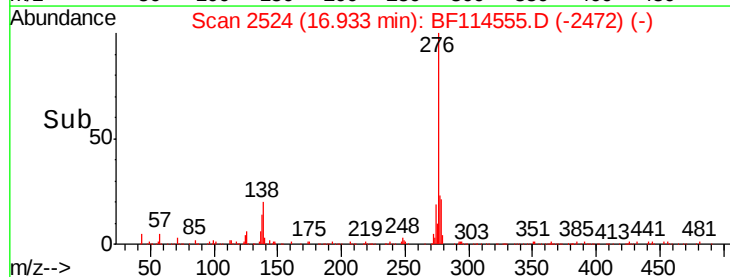
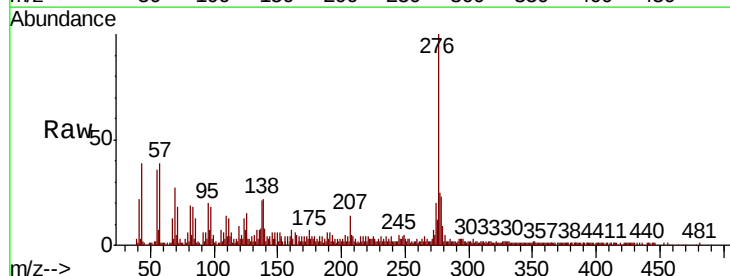
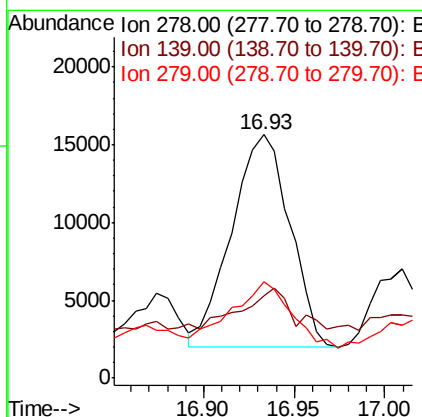
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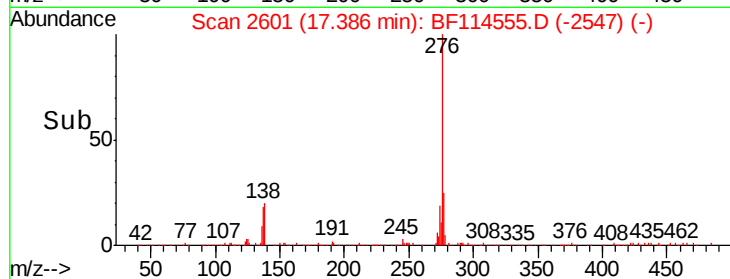
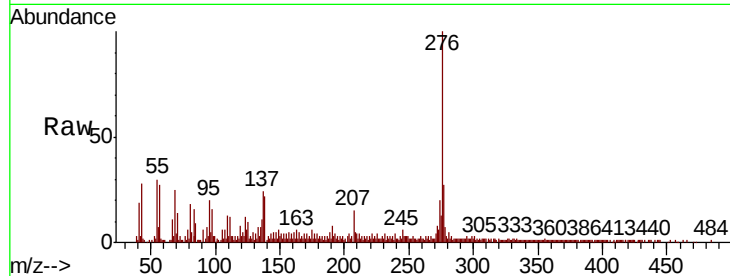
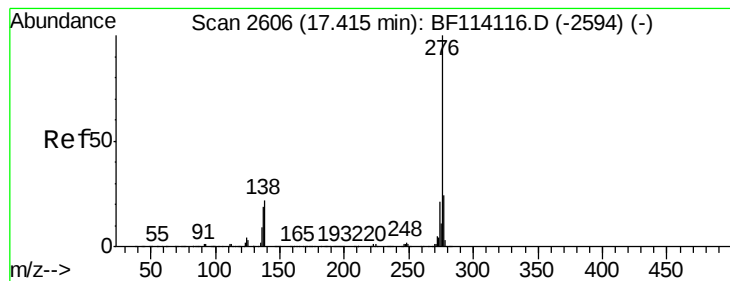
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#91
Dibenzo(a,h)anthracene
Concen: 2.397 ng
RT: 16.93 min Scan# 2524
Delta R.T. 0.01 min
Lab File: BF114555.D
Acq: 24 May 2019 5:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	34.0	13.5	20.3#
279	39.5	19.0	28.6#





#92

Benzo(a,h,i)perylene

Concen: 10.906 ng

RT: 17.39 min Scan# 2601

Delta R.T. 0.02 min

Lab File: BF114555.D

Acq: 24 May 2019 5:31

Instrument :

BNA_F

ClientSampleId :

TP-6-S

Tot Ion: 276 Resp: 139618

Ion Ratio Lower Upper

276 100

277 27.2 19.0 28.4

138 22.3 17.8 26.6

Manual Integrations

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