

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040219\
 Data File : BF113509.D
 Acq On : 2 Apr 2019 16:53
 Operator : JU/SJ
 Sample : K2179-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8S

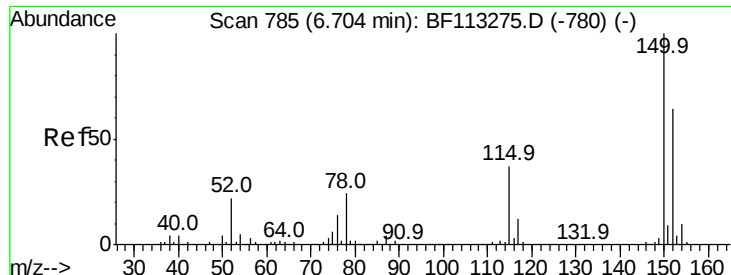
Manual Integrations
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Quant Time: Apr 03 02:31:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	159287	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	590224	20.00	ng	-0.01
39) Acenaphthene-d10	9.72	164	286984	20.00	ng	-0.02
64) Phenanthrene-d10	11.20	188	517379	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	352303	20.00	ng	-0.01
87) Perylene-d12	15.24	264	409181	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1046332	107.41	ng	0.00
7) Phenol-d6	6.35	99	1413923	114.73	ng	-0.01
23) Nitrobenzene-d5	7.26	82	884828	88.98	ng	-0.01
42) 2,4,6-Tribromophenol	10.51	330	375238	105.85	ng	-0.02
45) 2-Fluorobiphenyl	9.05	172	1291452	66.74	ng	-0.02
79) Terphenyl-d14	12.78	244	1053644	65.92	ng	-0.02
Target Compounds						
49) Acenaphthylene	9.58	152	88601	2.969	ng	99
50) Dimethylphthalate	9.44	163	177620	8.352	ng	99
71) Phenanthrene	11.22	178	147586	5.744	ng	97
72) Anthracene	11.27	178	111569	4.275	ng	97
73) Carbazole	11.43	167	104660	4.203	ng	97
75) Fluoranthene	12.41	202	989534	34.068	ng	100
78) Pyrene	12.64	202	1026233	42.036	ng	100
81) Benzo(a)anthracene	13.82	228	415662	20.612	ng	95
83) Chrysene	13.86	228	729751	35.626	ng	99
86) Indeno(1,2,3-cd)pyrene	16.60	276	432402	24.597	ng	96
88) Benzo(b)fluoranthene	14.85	252	1182816m	46.534	ng	
89) Benzo(k)fluoranthene	14.87	252	369800m	16.567	ng	
90) Benzo(a)pyrene	15.19	252	485793	21.558	ng	98
91) Dibenzo(a,h)anthracene	16.60	278	126569m	6.496	ng	
92) Benzo(a,h,i)perylene	17.00	276	373306	19.002	ng	97

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



#1

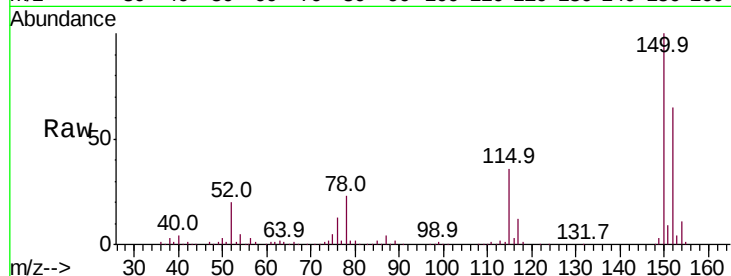
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF113509.D
Acq: 2 Apr 2019 16:53

Instrument :
BNA_F
ClientSampled :
TP-8S

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.7	187.1
115	55.6	46.0	69.0

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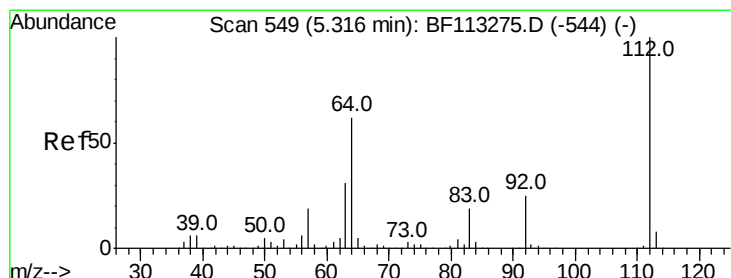
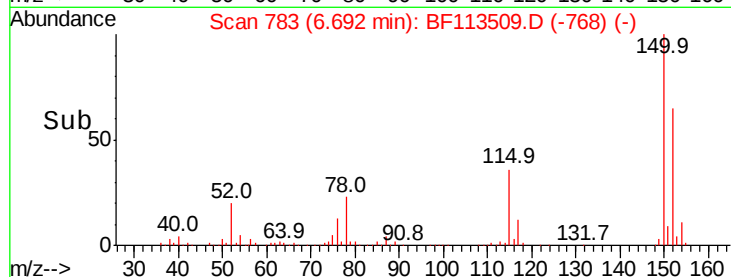
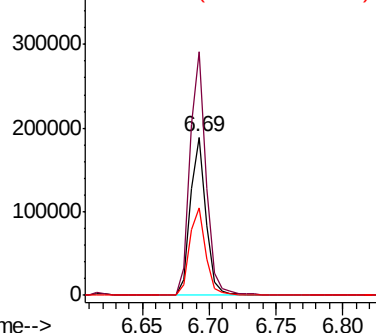


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

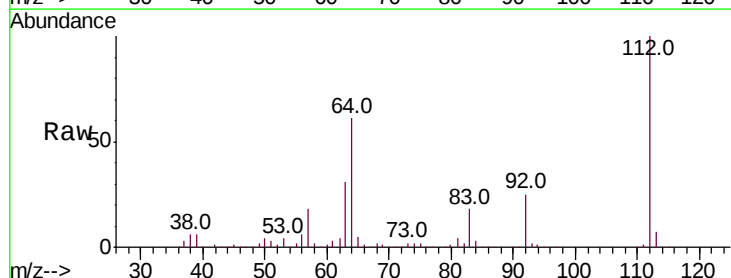
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 107.409 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF113509.D
Acq: 2 Apr 2019 16:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	49.2	73.8
63	30.5	24.9	37.3

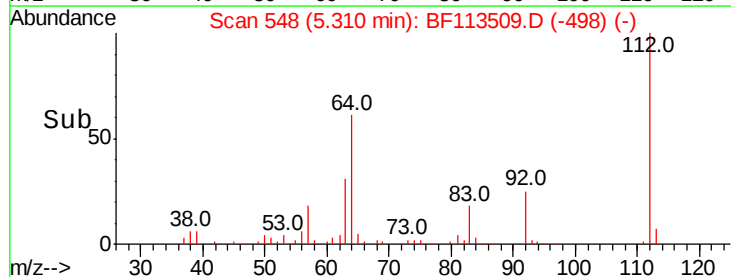
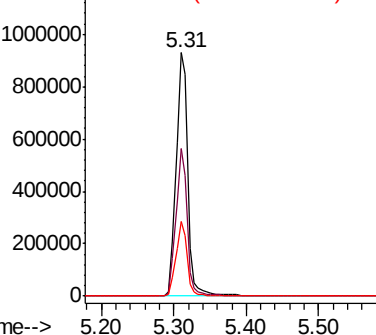


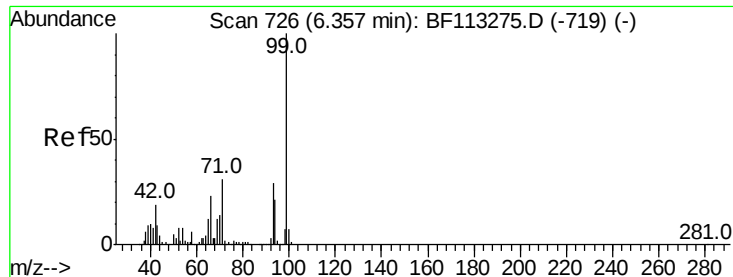
Abundance

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





#7

Phenol-d6

Concen: 114.732 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113509.D

Acq: 2 Apr 2019 16:53

Instrument :

BNA_F

ClientSampleId :

TP-8S

Tot Ion: 99 Resp: 1413923

Ion Ratio Lower Upper

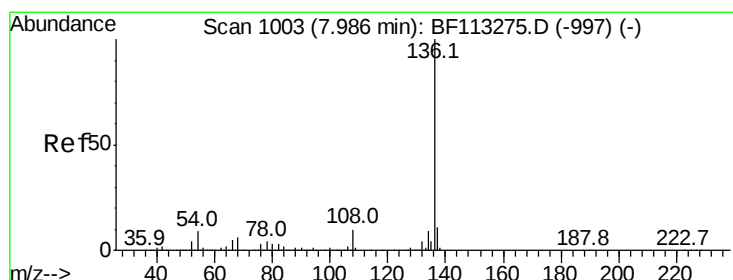
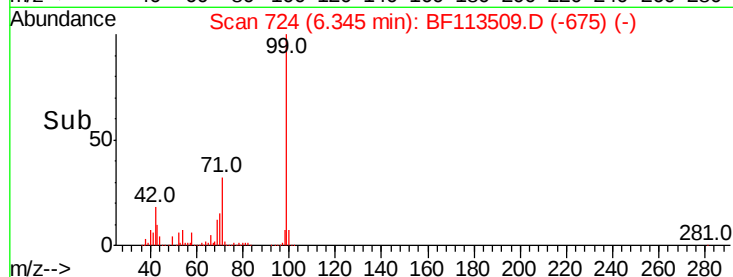
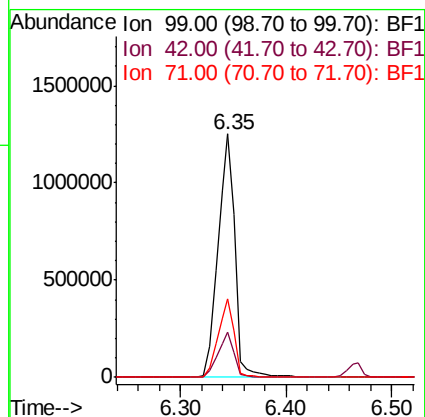
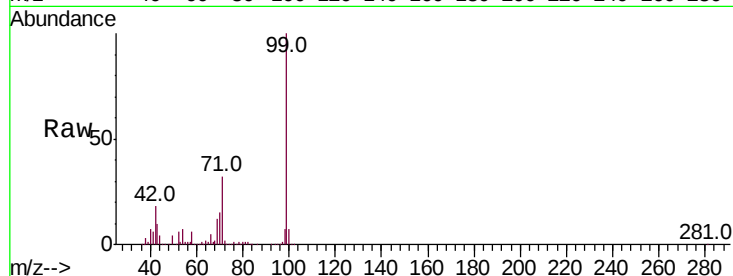
99 100

42 18.4 14.8 22.2

71 32.4 24.9 37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF113509.D

Acq: 2 Apr 2019 16:53

Tgt Ion: 136 Resp: 590224

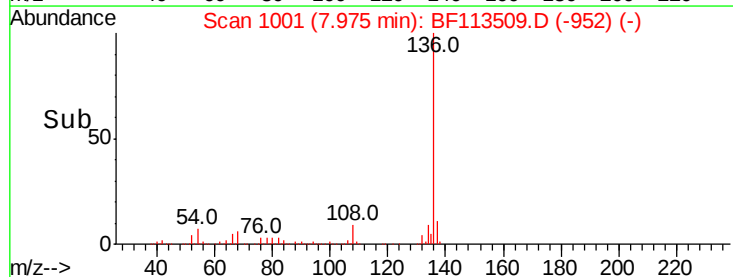
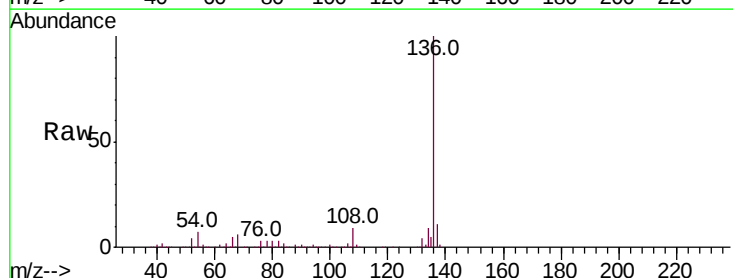
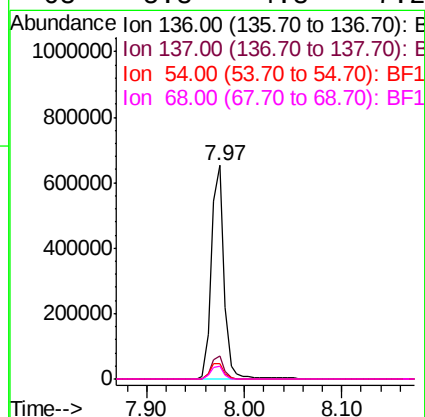
Ion Ratio Lower Upper

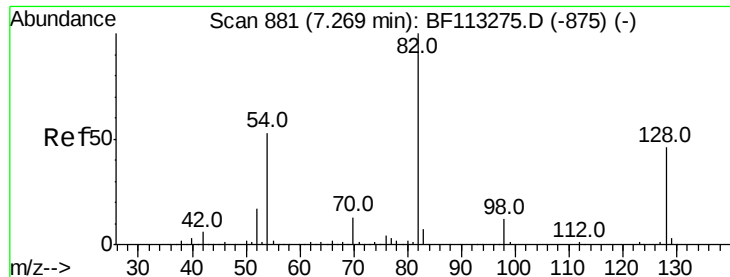
136 100

137 10.8 8.9 13.3

54 7.3 7.0 10.6

68 5.8 4.8 7.2





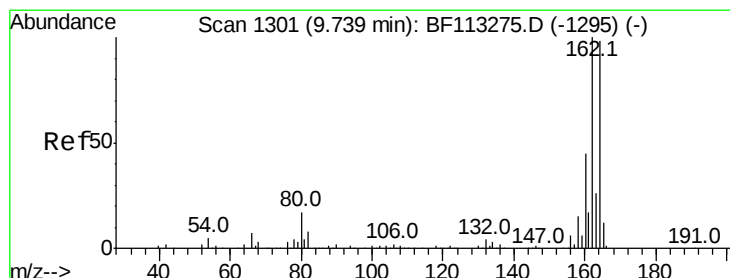
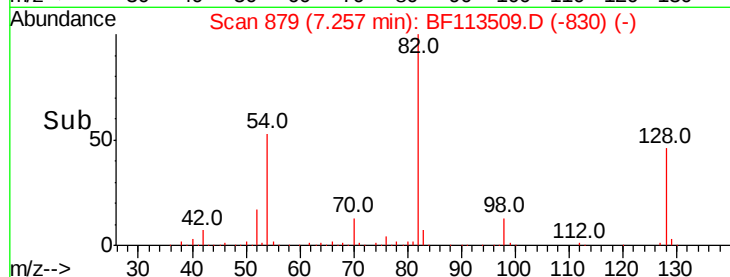
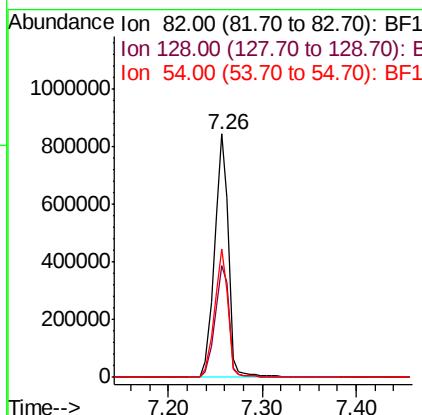
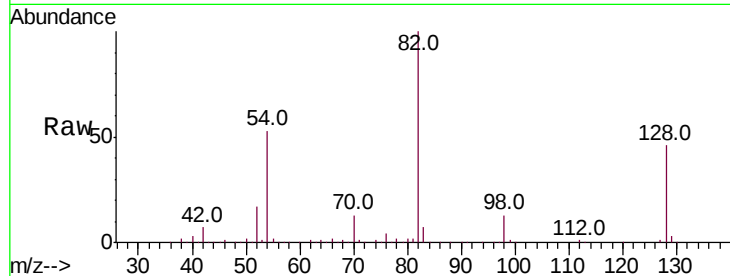
#23
 Nitrobenzene-d5
 Concen: 88.980 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF113509.D
 Acq: 2 Apr 2019 16:53

Instrument :
 BNA_F
 ClientSampleId :
 TP-8S

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.5	54.7
54	52.5	42.2	63.2

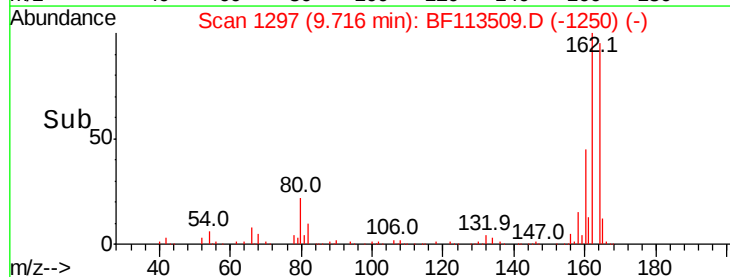
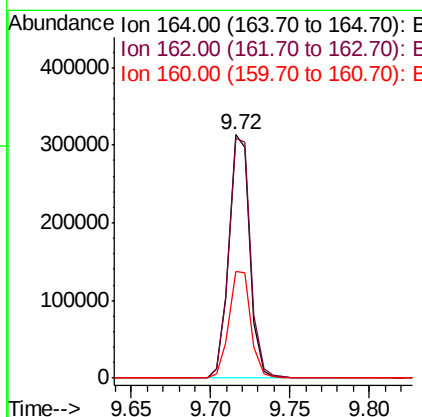
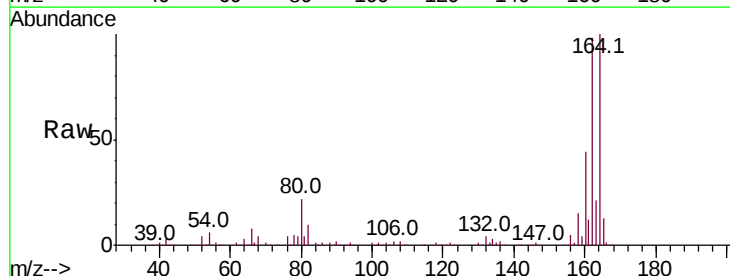
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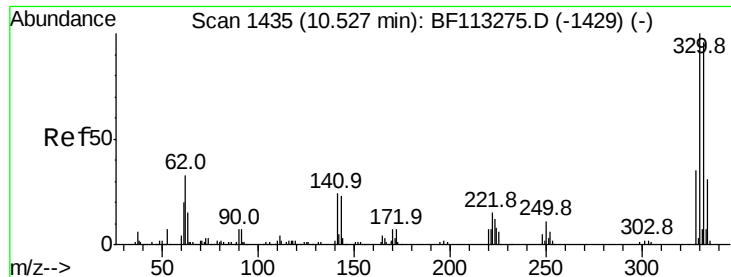
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF113509.D
 Acq: 2 Apr 2019 16:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.4	81.8	122.6
160	44.0	36.4	54.6





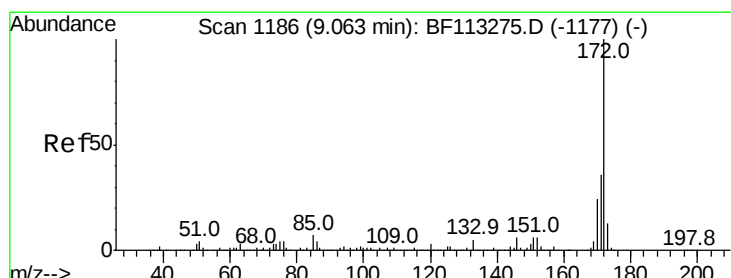
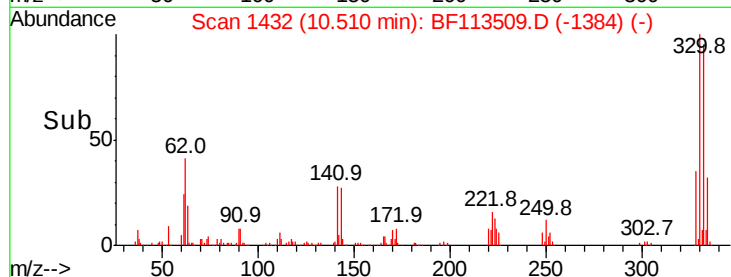
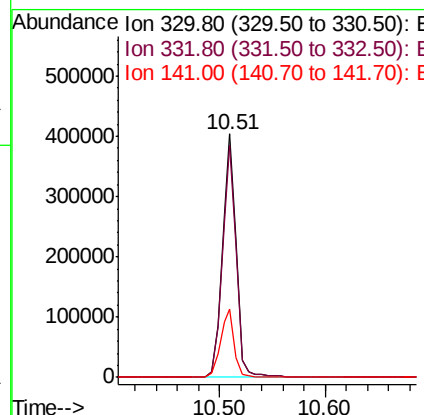
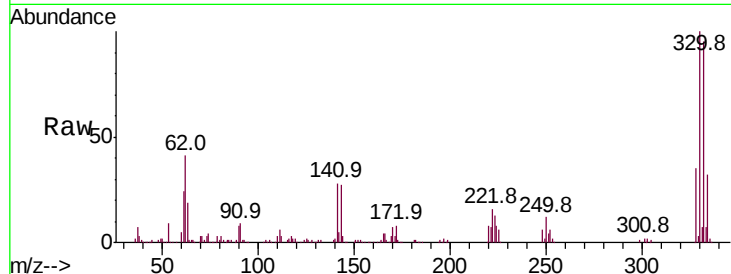
#42
 2,4,6-Tribromophenol
 Concen: 105.853 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.02 min
 Lab File: BF113509.D
 Acq: 2 Apr 2019 16:53

Instrument :
 BNA_F
 ClientSampled :
 TP-8S

Tot Ion	Ratio	Resp	Lower	Upper
330	100	375238		
332	95.8	77.8	116.6	
141	28.6	22.7	34.1	

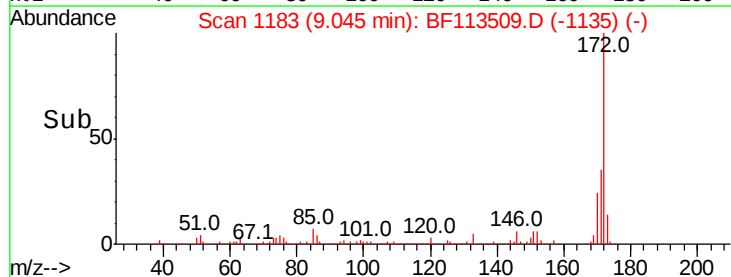
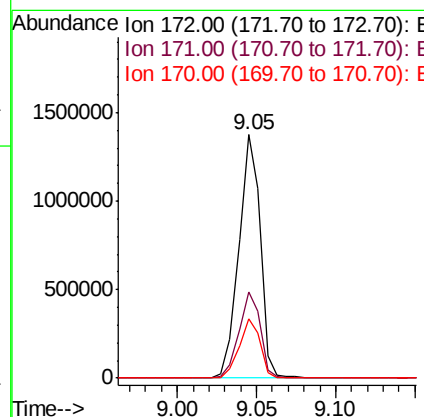
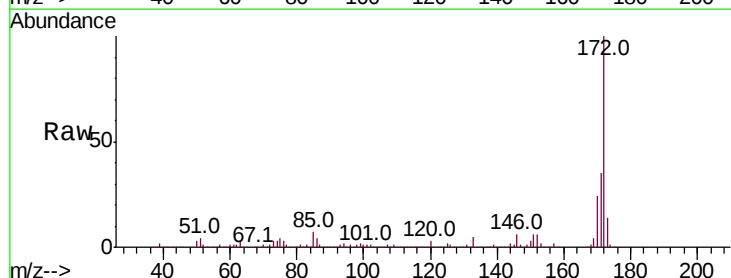
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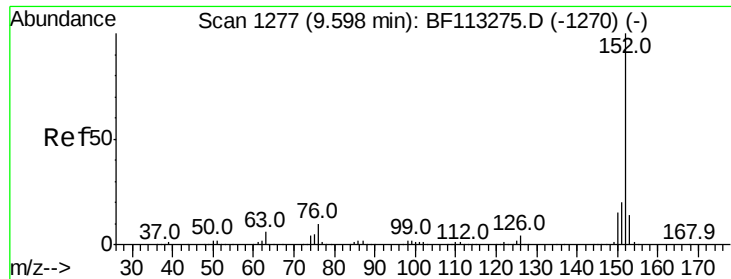
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#45
 2-Fluorobiphenyl
 Concen: 66.745 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF113509.D
 Acq: 2 Apr 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1291452		
171	35.5	29.0	43.6	
170	24.1	19.5	29.3	





#49

Acenaphthylene

Concen: 2.969 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.02 min

Lab File: BF113509.D

Acq: 2 Apr 2019 16:53

Instrument :

BNA_F

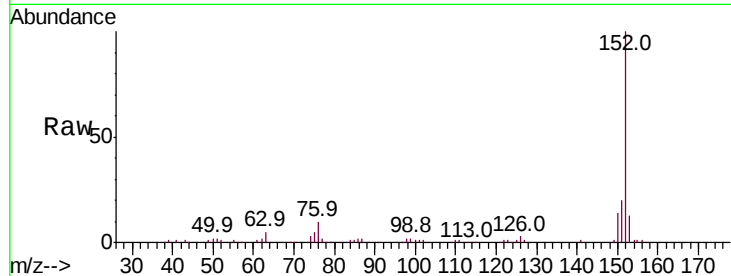
ClientSampled :

TP-8S

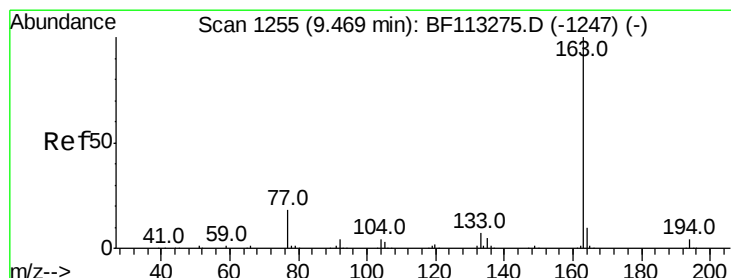
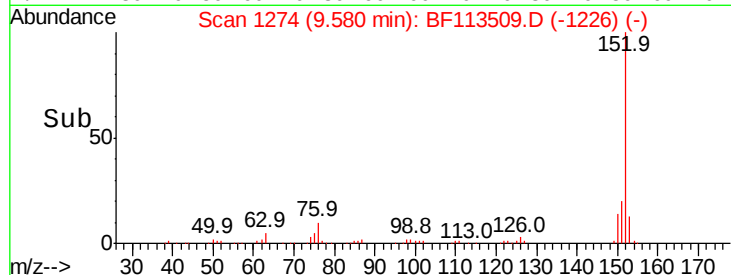
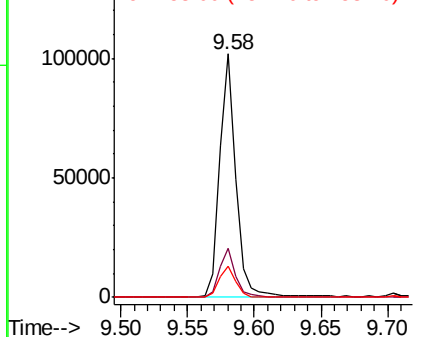
Tot Ion:	152	Resp:	88601
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.2	24.4
153	13.0	11.0	16.6

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 8.352 ng

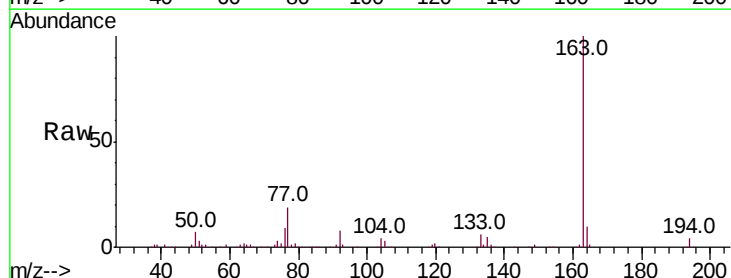
RT: 9.44 min Scan# 1250

Delta R.T. -0.03 min

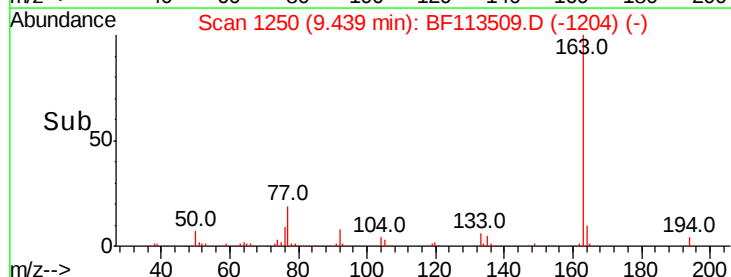
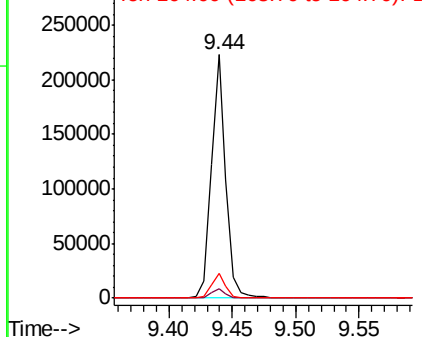
Lab File: BF113509.D

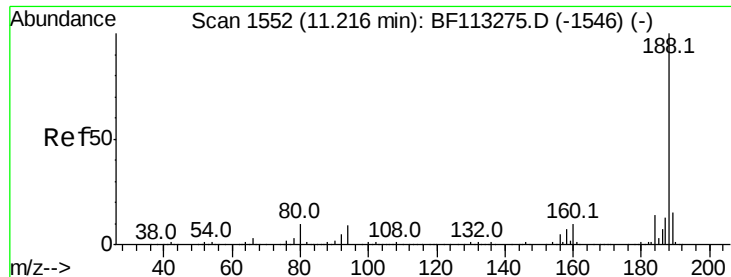
Acq: 2 Apr 2019 16:53

Tgt Ion:	163	Resp:	177620
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.0	4.6
164	9.9	8.1	12.1



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: 11.20 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BF113509.D

Acq: 2 Apr 2019 16:53

Instrument :

BNA_F

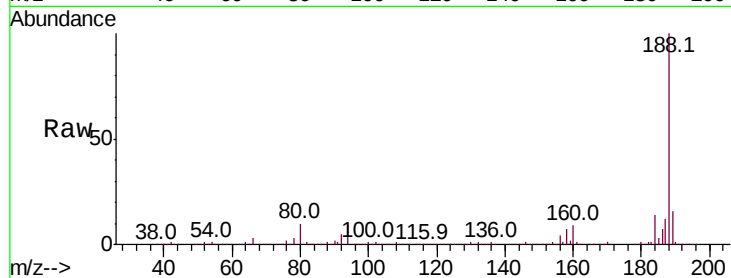
ClientSampleId :

TP-8S

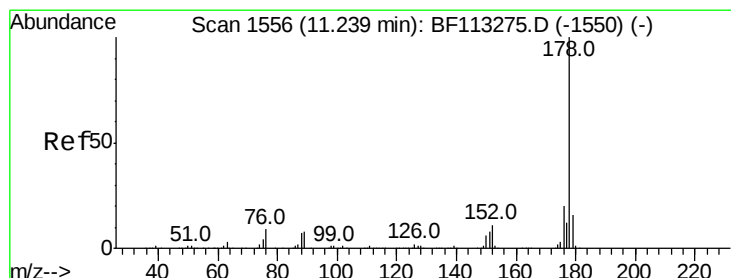
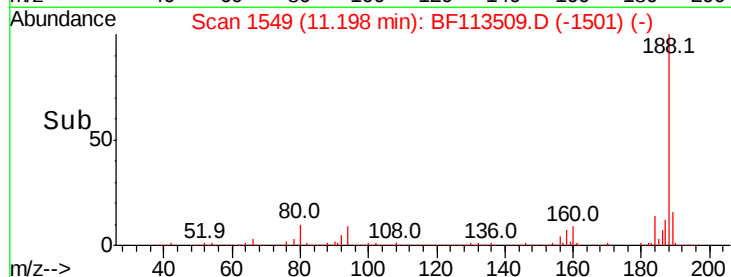
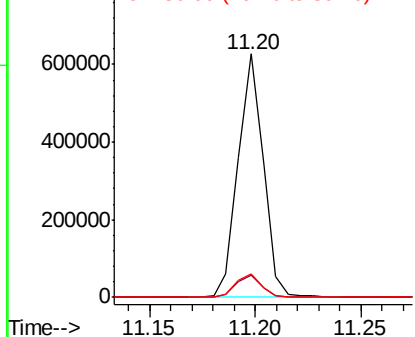
Tot Ion:	188	Resp:	517379
Ion Ratio	Lower	Upper	
188	100		
94	9.0	7.0	10.6
80	9.6	7.7	11.5

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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: 5.744 ng

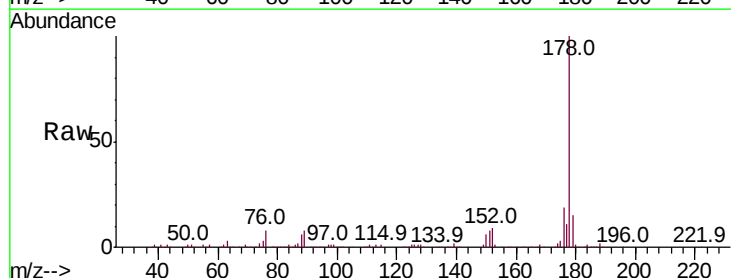
RT: 11.22 min Scan# 1553

Delta R.T. -0.02 min

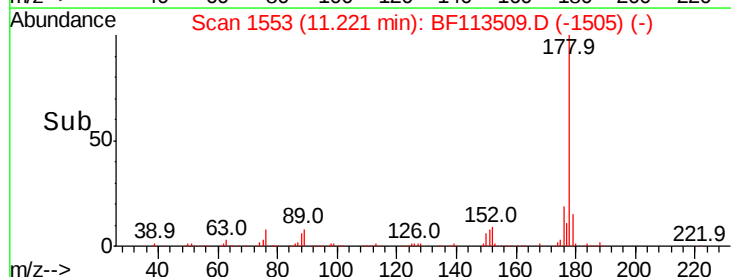
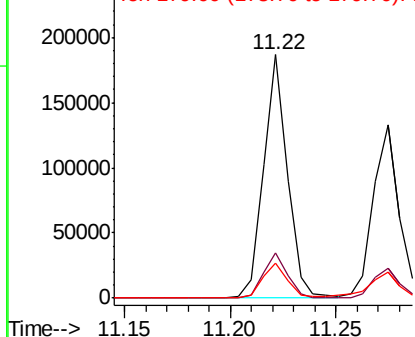
Lab File: BF113509.D

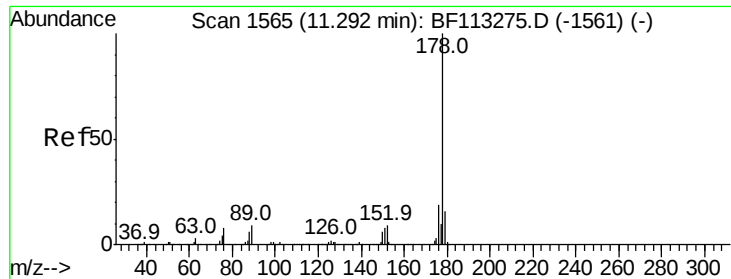
Acq: 2 Apr 2019 16:53

Tgt Ion:	178	Resp:	147586
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.2	24.2
179	14.6	12.7	19.1



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





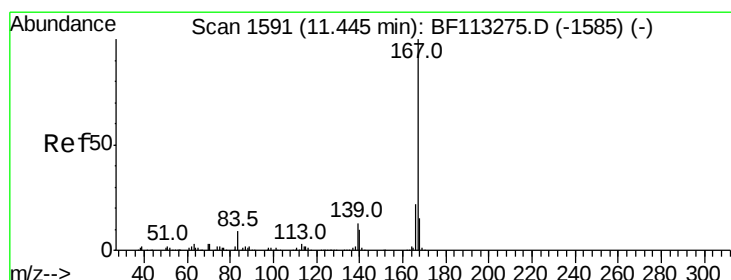
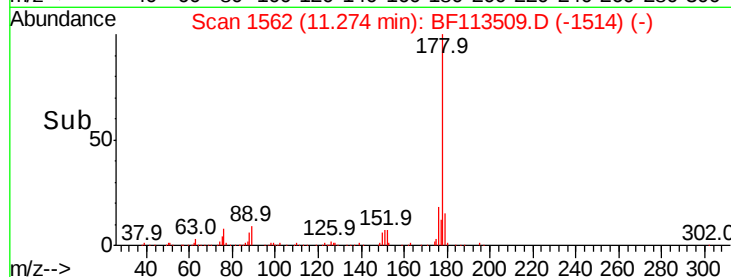
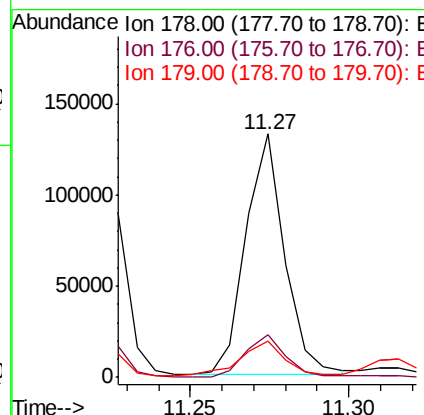
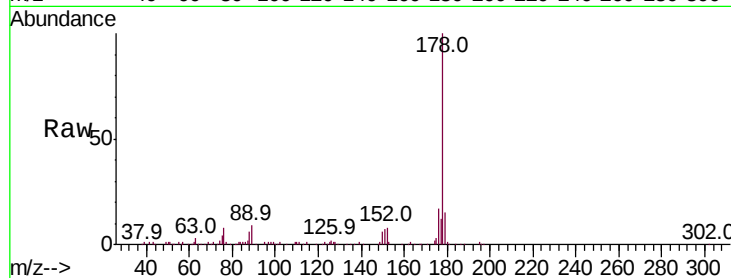
#72
 Anthracene
 Concen: 4.275 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.02 min
 Lab File: BF113509.D
 Acq: 2 Apr 2019 16:53

Instrument :
 BNA_F
 ClientSampleId :
 TP-8S

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	15.1	12.8	19.2

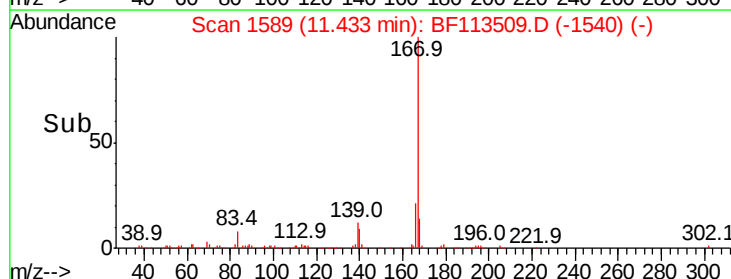
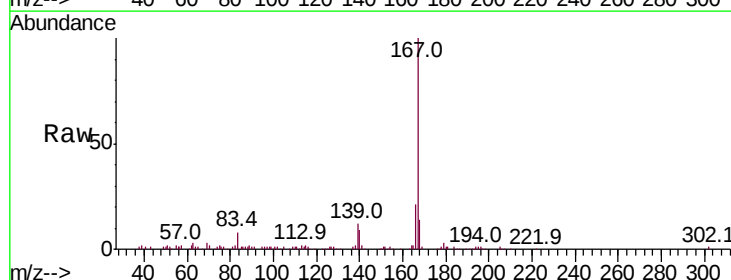
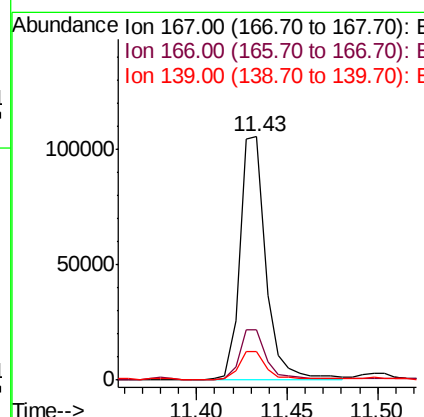
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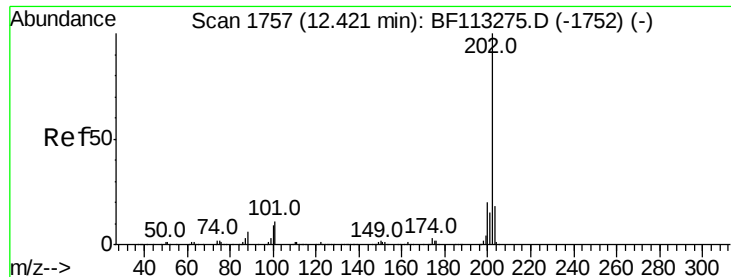
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#73
 Carbazole
 Concen: 4.203 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF113509.D
 Acq: 2 Apr 2019 16:53

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.4	26.0
139	11.8	10.4	15.6





#75

Fluoranthene

Concen: 34.068 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF113509.D

Acq: 2 Apr 2019 16:53

Instrument :

BNA_F

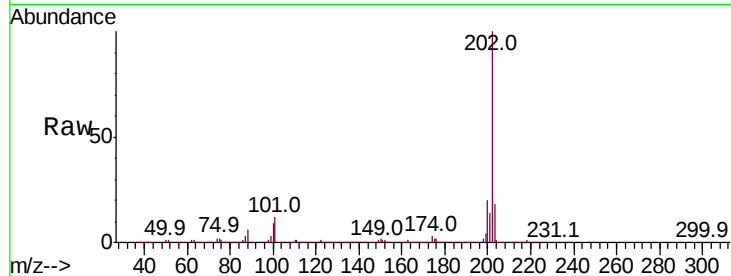
ClientSampled :

TP-8S

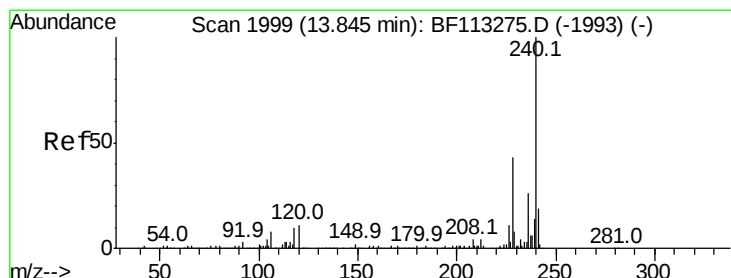
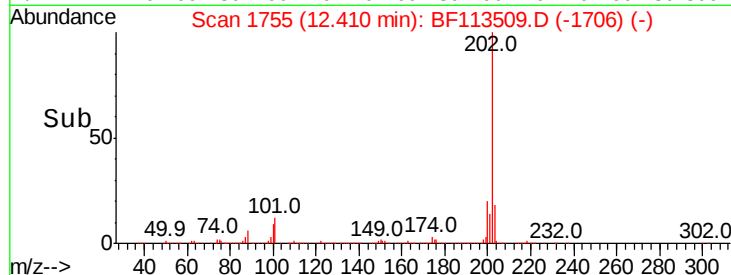
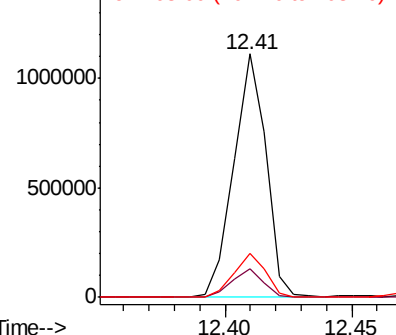
Tot Ion:	202	Resp:	989534
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	31.4
203	18.0	0.0	38.0

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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: 13.83 min Scan# 1997

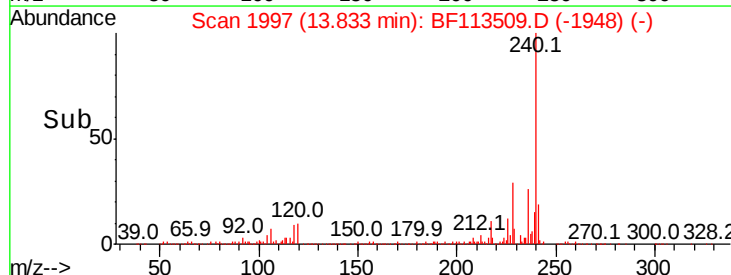
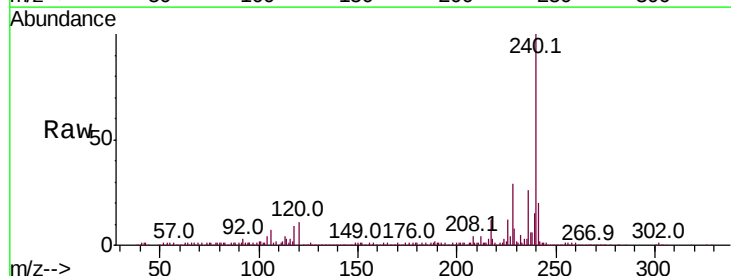
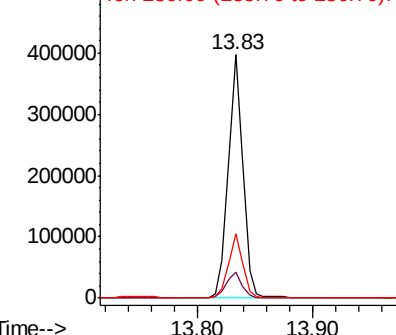
Delta R.T. -0.01 min

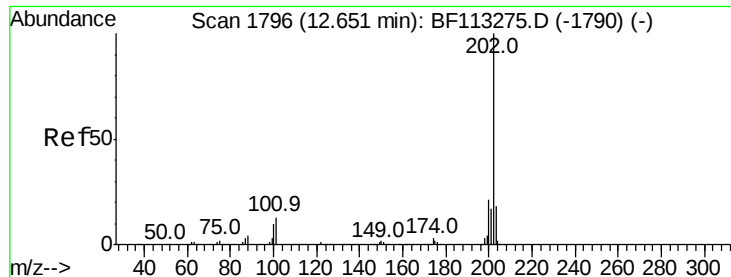
Lab File: BF113509.D

Acq: 2 Apr 2019 16:53

Tgt Ion:	240	Resp:	352303
Ion Ratio	Lower	Upper	
240	100		
120	10.5	8.8	13.2
236	26.2	20.9	31.3

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





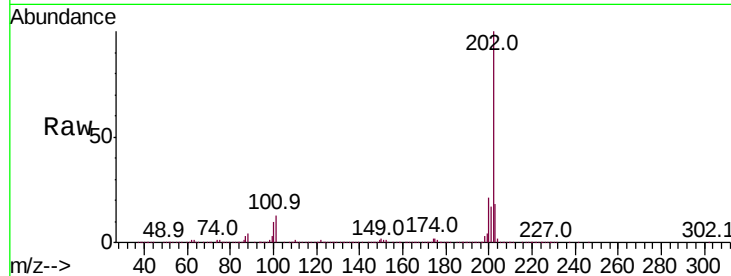
#78
Pvrene
Concen: 42.036 ng
RT: 12.64 min Scan# 1794
Delta R.T. -0.01 min
Lab File: BF113509.D
Acq: 2 Apr 2019 16:53

Instrument :
BNA_F
ClientSampled :
TP-8S

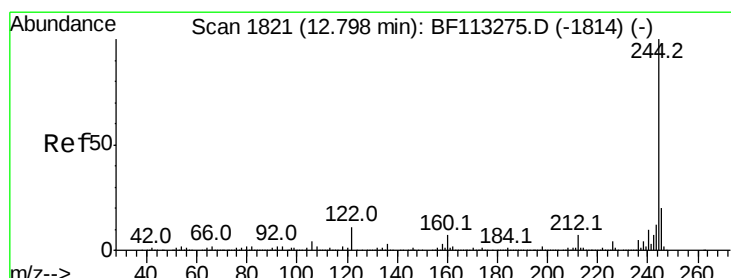
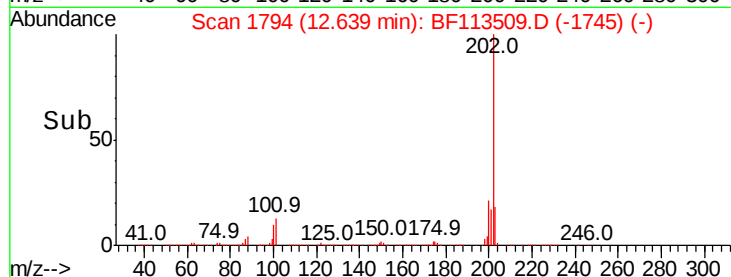
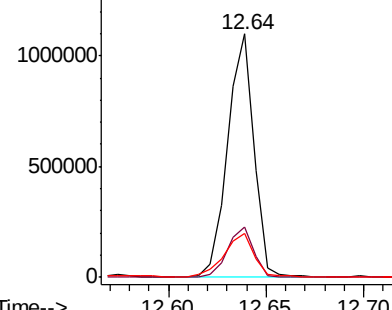
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.8	25.2
203	18.0	14.4	21.6

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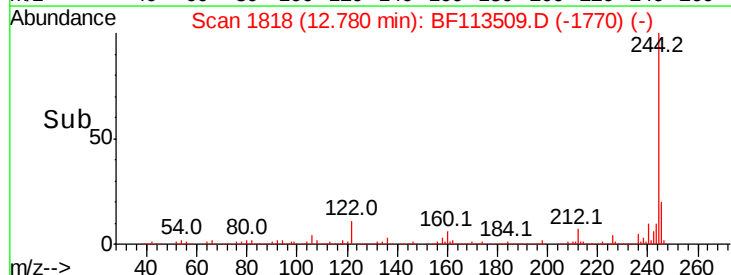
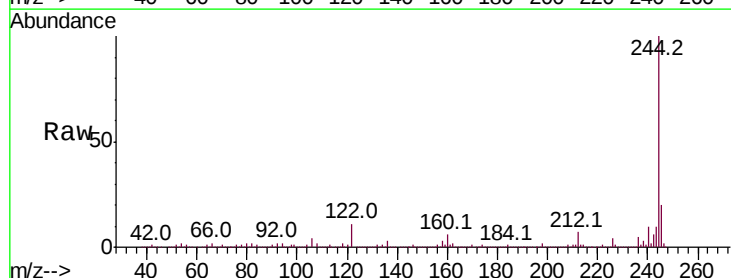
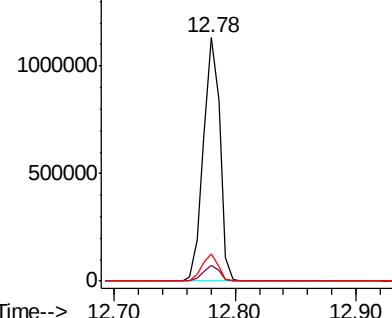
Abundance Ion 202.00 (201.70 to 202.70): E
1500000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

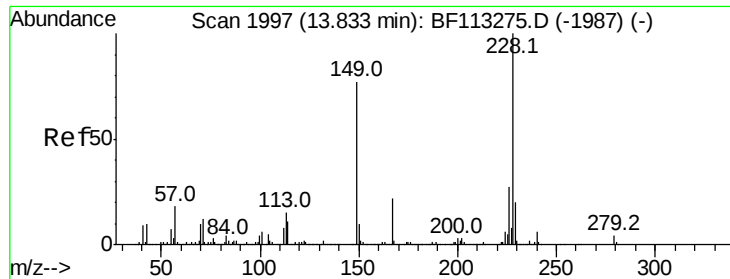


#79
Terphenyl-d14
Concen: 65.921 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.02 min
Lab File: BF113509.D
Acq: 2 Apr 2019 16:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.5	8.3
122	11.3	8.6	13.0

Abundance Ion 244.00 (243.70 to 244.70): E
1500000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





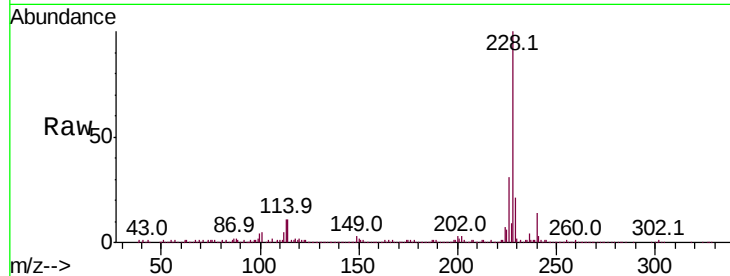
#81
Benzo(a)anthracene
Concen: 20.612 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF113509.D
Acq: 2 Apr 2019 16:53

Instrument :
BNA_F
ClientSampleId :
TP-8S

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	21.8	32.8
229	21.2	16.2	24.4

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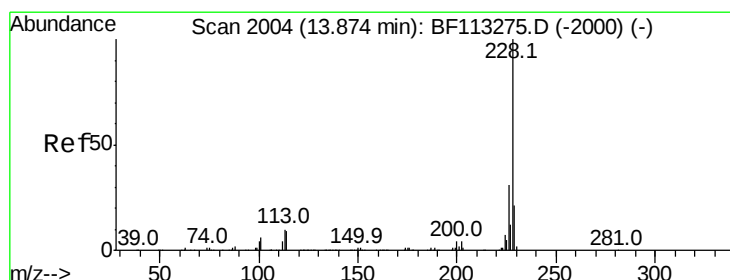
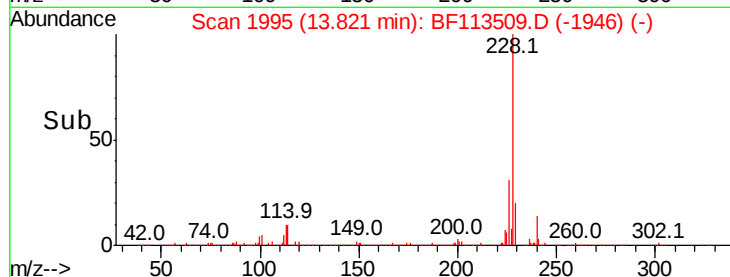
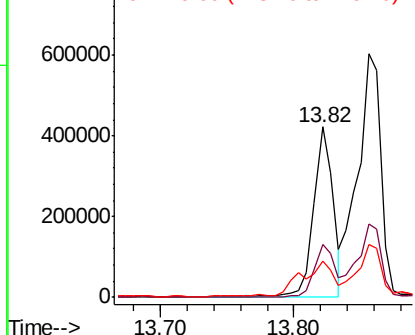


Abundance

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: 35.626 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.02 min
Lab File: BF113509.D
Acq: 2 Apr 2019 16:53

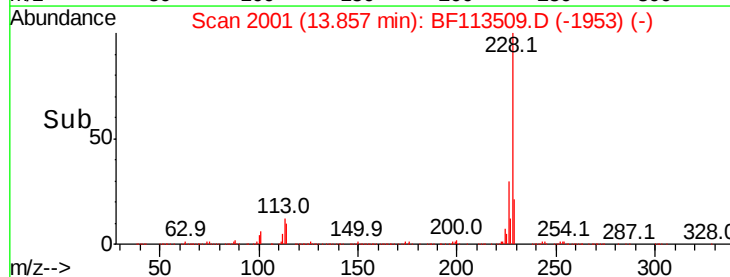
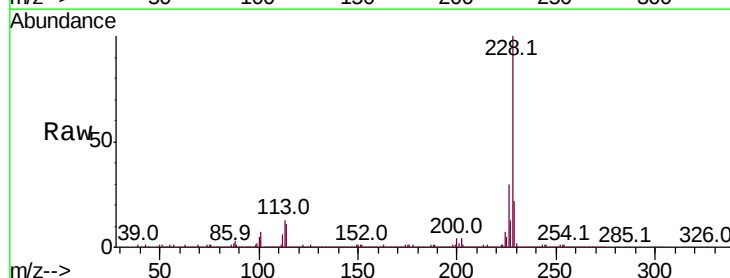
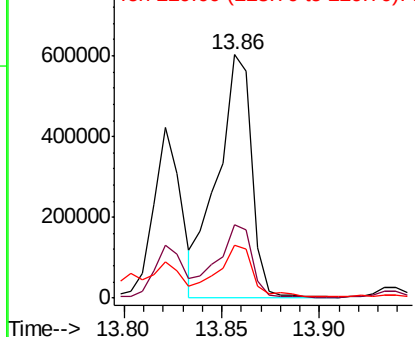
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.3	36.5
229	21.6	16.3	24.5

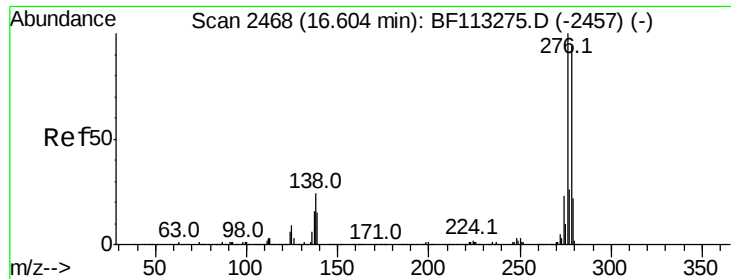
Abundance

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: 24.597 ng

RT: 16.60 min Scan# 2467

Delta R.T. -0.01 min

Lab File: BF113509.D

Acq: 2 Apr 2019 16:53

Instrument :

BNA_F

ClientSampleId :

TP-8S

Tot Ion:276 Resp: 432402

Ion Ratio Lower Upper

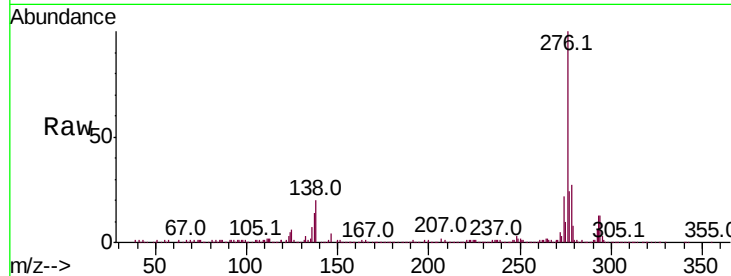
276 100

138 20.2 18.1 27.1

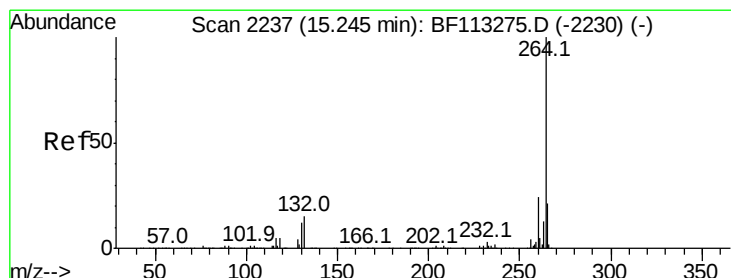
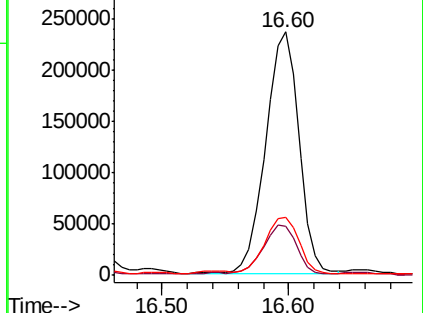
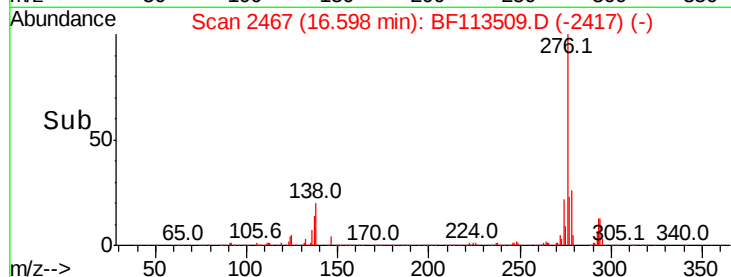
277 23.6 20.2 30.4

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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: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113509.D

Acq: 2 Apr 2019 16:53

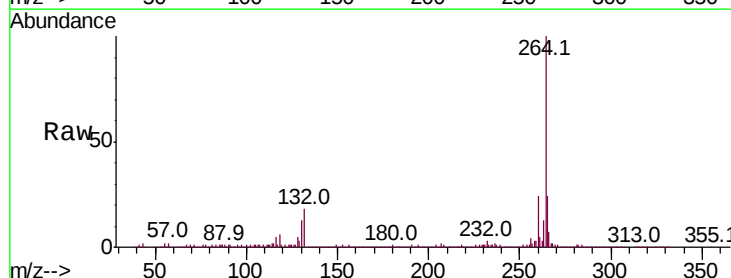
Tgt Ion:264 Resp: 409181

Ion Ratio Lower Upper

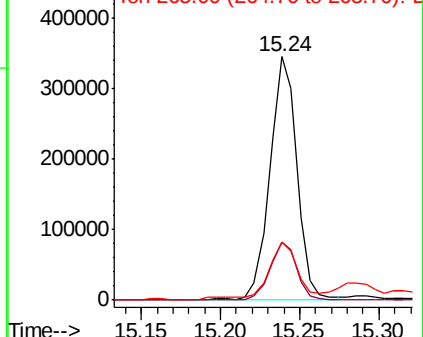
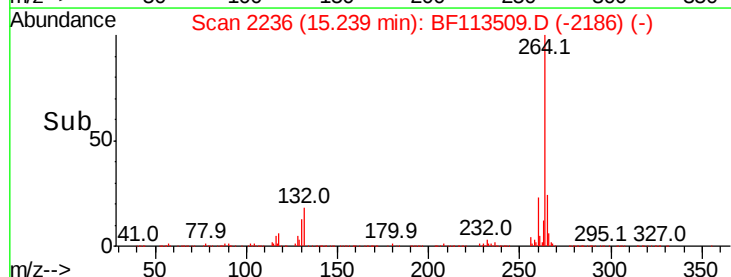
264 100

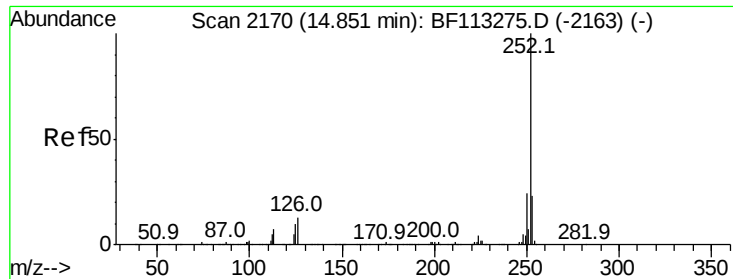
260 23.8 19.1 28.7

265 23.9 17.1 25.7



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





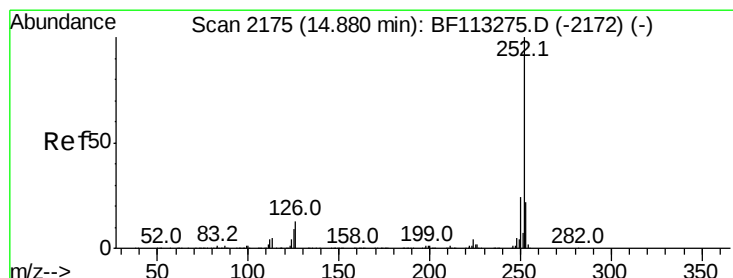
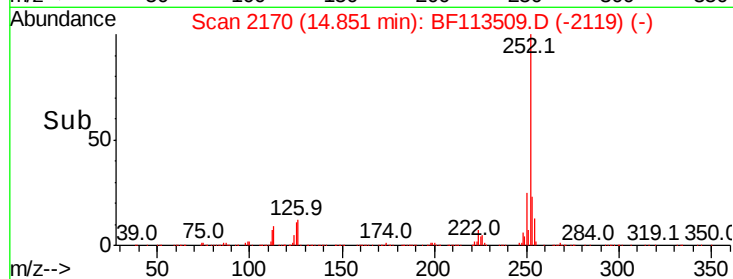
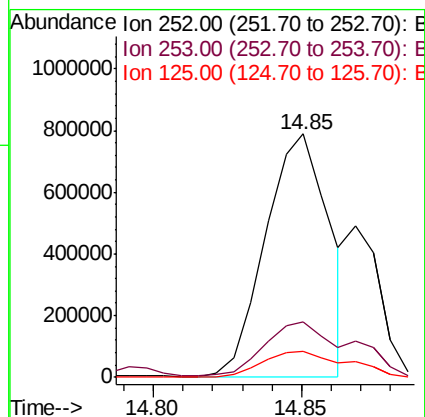
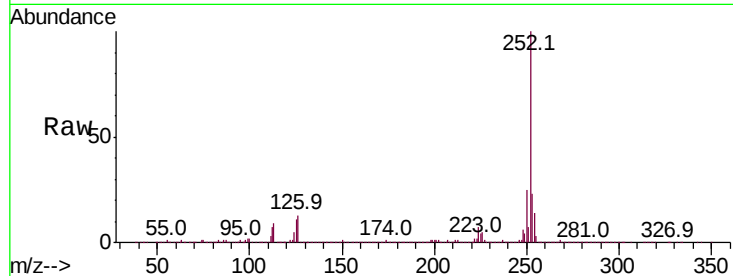
#88
Benzo(b)fluoranthene
Concen: 46.534 ng m
RT: 14.85 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BF113509.D
Acq: 2 Apr 2019 16:53

Instrument :
BNA_F
ClientSampleId :
TP-8S

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	10.8	7.6	11.4

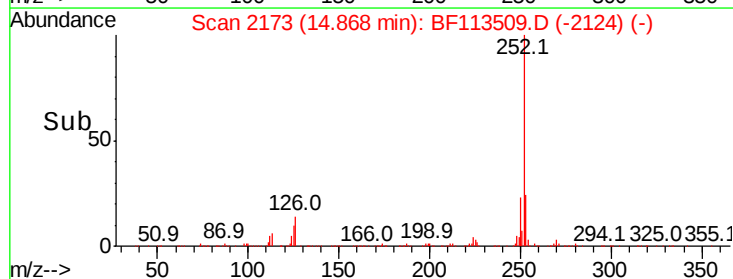
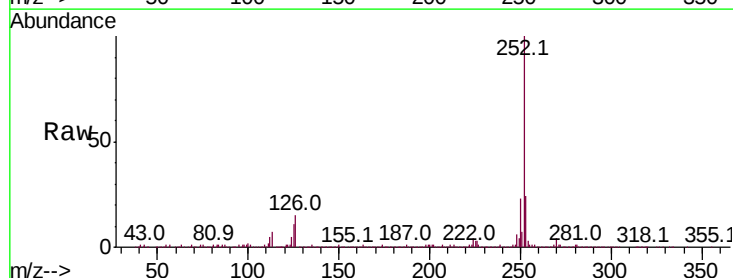
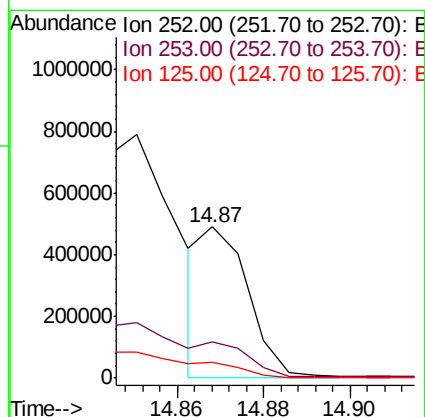
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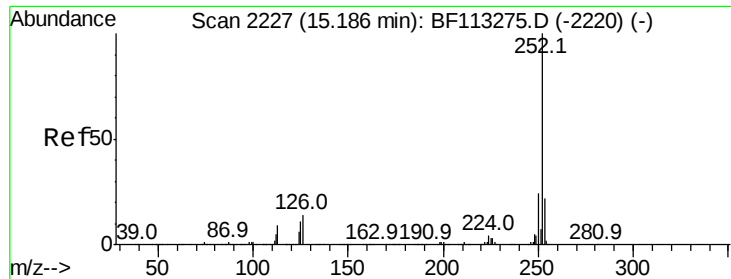
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#89
Benzo(k)fluoranthene
Concen: 16.567 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113509.D
Acq: 2 Apr 2019 16:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	10.7	7.3	10.9





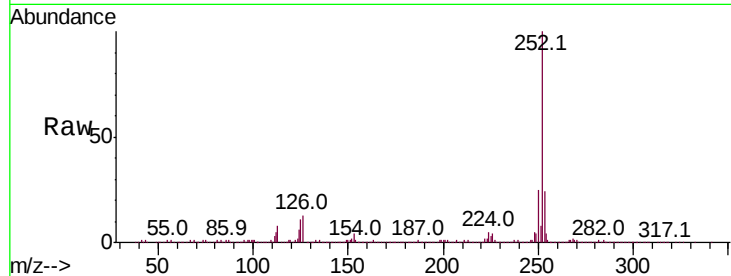
#90
Benzo(a)pyrene
Concen: 21.558 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.00 min
Lab File: BF113509.D
Acq: 2 Apr 2019 16:53

Instrument :
BNA_F
ClientSampleId :
TP-8S

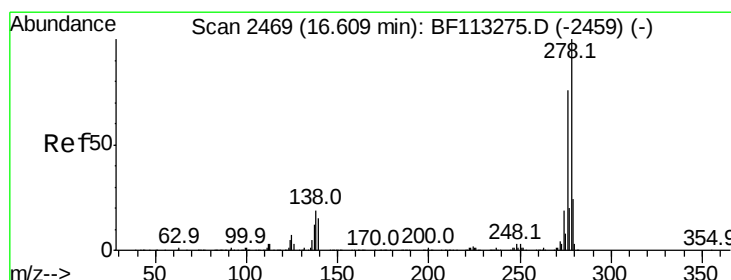
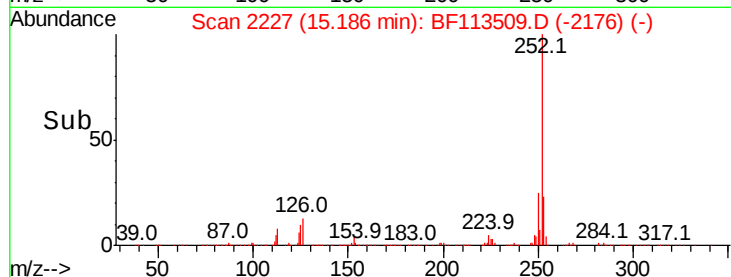
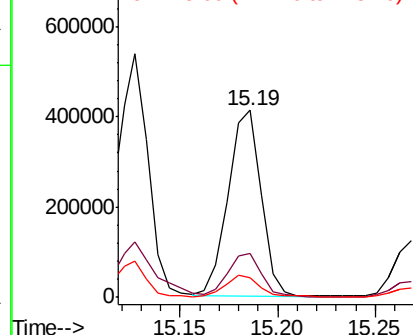
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	10.6	8.8	13.2

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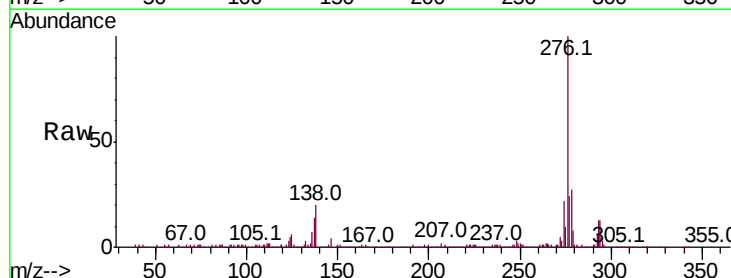


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

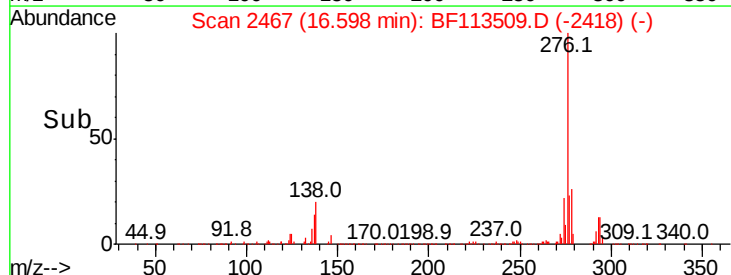
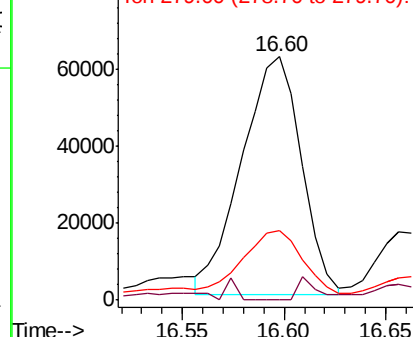


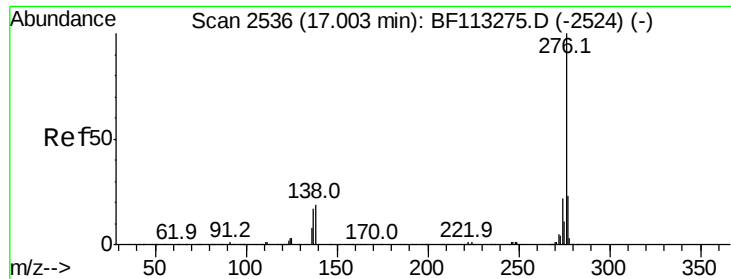
#91
Dibenzo(a,h)anthracene
Concen: 6.496 ng m
RT: 16.60 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BF113509.D
Acq: 2 Apr 2019 16:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	28.5	19.0	28.6



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(a,h,i)perylene
 Concen: 19.002 ng
 RT: 17.00 min Scan# 2536
 Delta R.T. -0.00 min
 Lab File: BF113509.D
 Acq: 2 Apr 2019 16:53

Instrument :
 BNA_F
 ClientSampleId :
 TP-8S

Tot Ion:	276	Resp:	373306
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.8	28.2
138	21.2	15.6	23.4

Manual Integrations
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