

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040219\
 Data File : BF113508.D
 Acq On : 2 Apr 2019 16:25
 Operator : JU/SJ
 Sample : K2050-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-2

Manual Integrations
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Quant Time: Apr 03 02:29:23 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	153608	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	566582	20.00	ng	-0.01
39) Acenaphthene-d10	9.72	164	275967	20.00	ng	-0.02
64) Phenanthrene-d10	11.20	188	516961	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	324416	20.00	ng	-0.01
87) Perylene-d12	15.24	264	375368	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1098305	116.91	ng	0.00
7) Phenol-d6	6.35	99	1462807	123.09	ng	-0.01
23) Nitrobenzene-d5	7.26	82	883793	92.58	ng	-0.01
42) 2,4,6-Tribromophenol	10.51	330	407228	119.46	ng	-0.02
45) 2-Fluorobiphenyl	9.05	172	1524721	87.01	ng	-0.01
79) Terphenyl-d14	12.78	244	1383119	93.97	ng	-0.02
Target Compounds						
10) Phenol	6.36	94	39913	2.942	ng	Qvalue # 70
49) Acenaphthylene	9.58	152	61058	2.128	ng	100
50) Dimethylphthalate	9.44	163	171530	8.387	ng	100
71) Phenanthrene	11.22	178	189751	7.391	ng	97
72) Anthracene	11.27	178	90839	3.484	ng	98
73) Carbazole	11.43	167	84637	3.401	ng	98
75) Fluoranthene	12.41	202	1114125	38.389	ng	99
78) Pyrene	12.64	202	1025105	45.599	ng	100
81) Benzo(a)anthracene	13.82	228	332846	17.924	ng	94
83) Chrysene	13.86	228	583987	30.961	ng	99
86) Indeno(1,2,3-cd)pyrene	16.59	276	347893	21.491	ng	96
88) Benzo(b)fluoranthene	14.84	252	941103m	40.360	ng	
89) Benzo(k)fluoranthene	14.87	252	220291m	10.758	ng	
90) Benzo(a)pyrene	15.18	252	342115	16.550	ng	97
91) Dibenzo(a,h)anthracene	16.59	278	86334m	4.830	ng	
92) Benzo(g,h,i)perylene	17.00	276	315372	17.499	ng	98

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

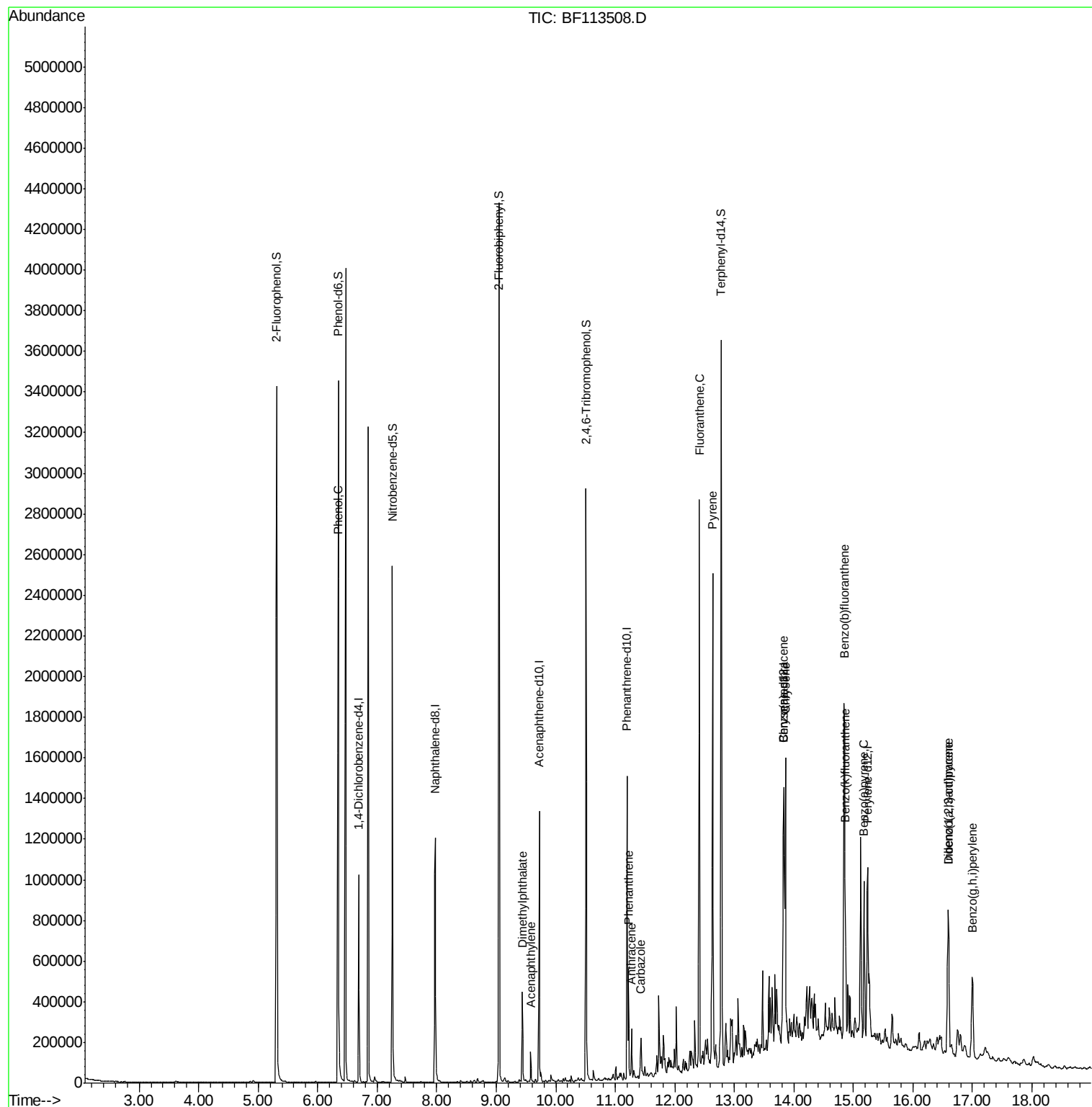
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040219\
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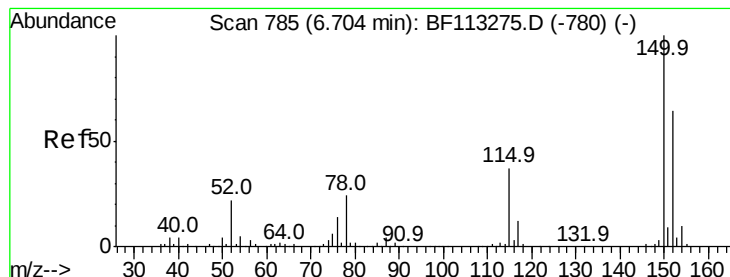
Instrument :
BNA_F
ClientSampled :
CS-2

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Quant Time: Apr 03 02:29:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

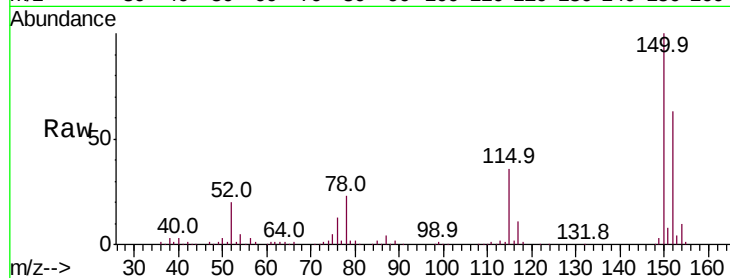
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF113508.D
Acq: 2 Apr 2019 16:25

Instrument :
BNA_F
ClientSampled :
CS-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.7	187.1
115	56.2	46.0	69.0

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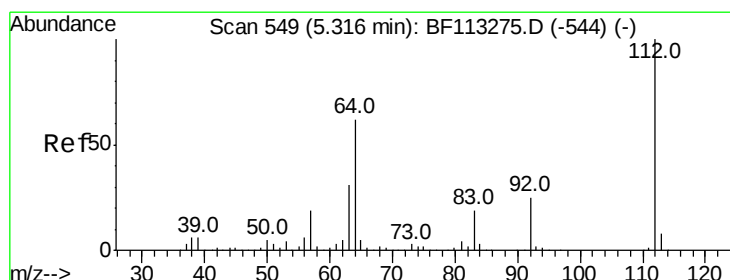
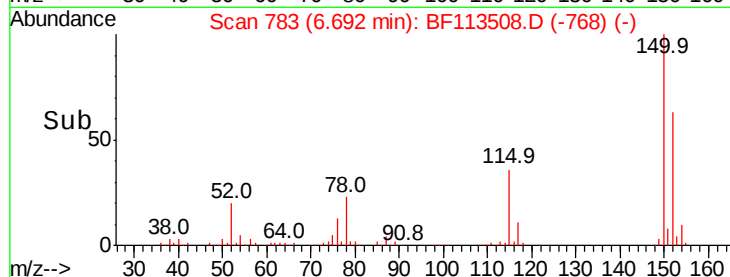
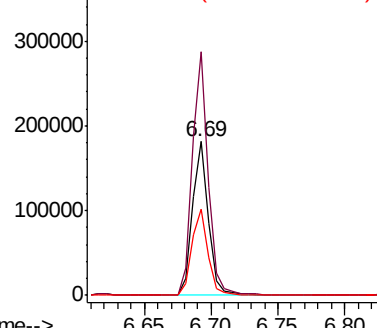


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

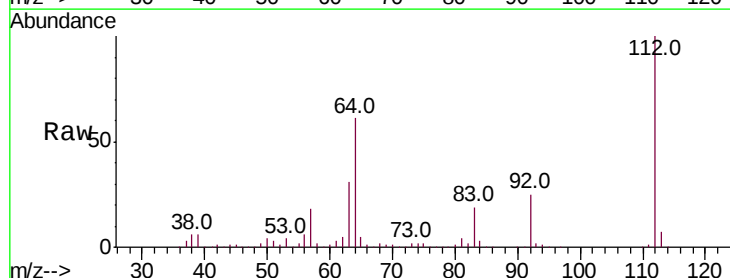
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 116.912 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF113508.D
Acq: 2 Apr 2019 16:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.0	49.2	73.8
63	31.0	24.9	37.3

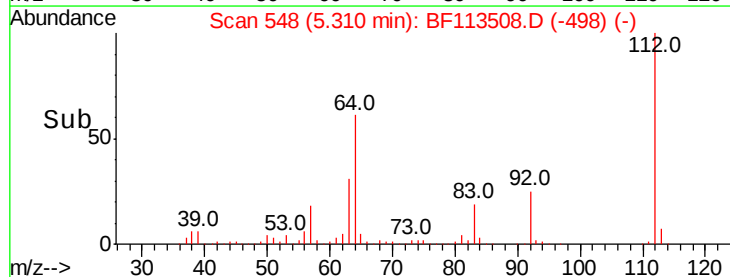
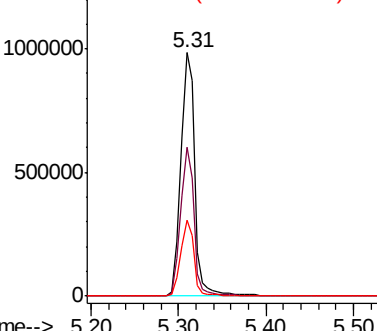


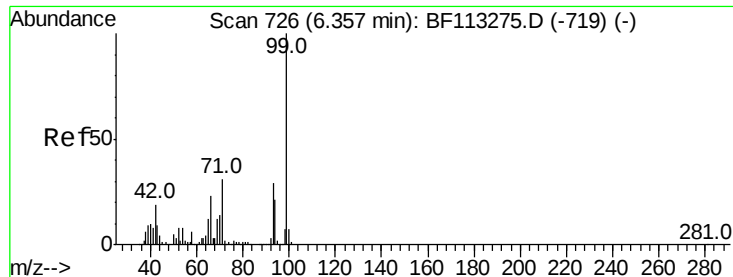
Abundance

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: 123.088 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113508.D

Acq: 2 Apr 2019 16:25

Instrument :

BNA_F

ClientSampleId :

CS-2

Tot Ion: 99 Resp: 1462807

Ion Ratio Lower Upper

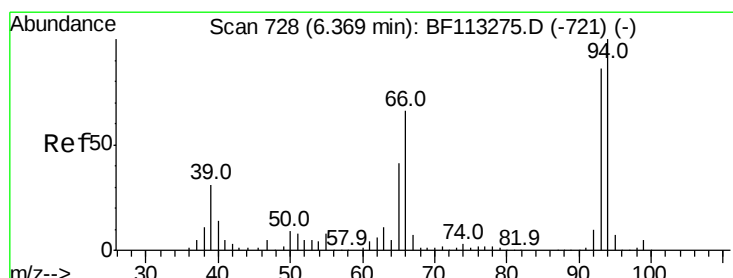
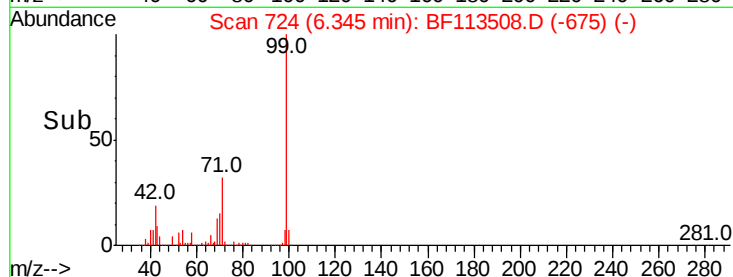
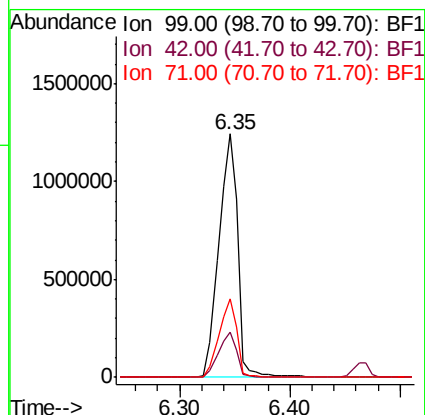
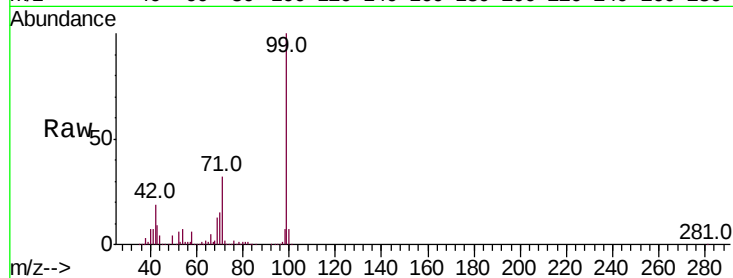
99 100

42 18.6 14.8 22.2

71 32.4 24.9 37.3

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#10

Phenol

Concen: 2.942 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF113508.D

Acq: 2 Apr 2019 16:25

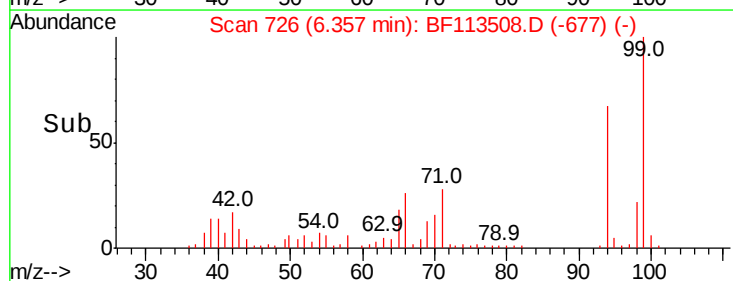
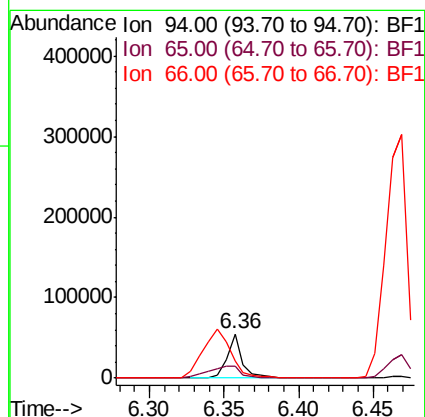
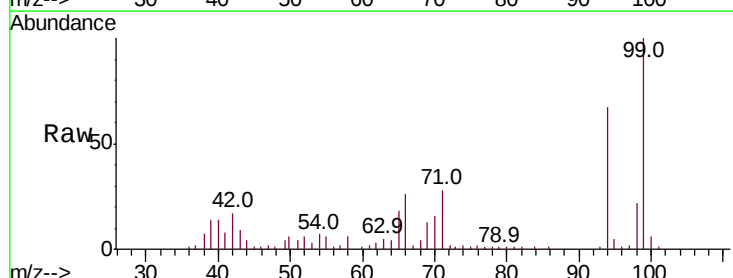
Tgt Ion: 94 Resp: 39913

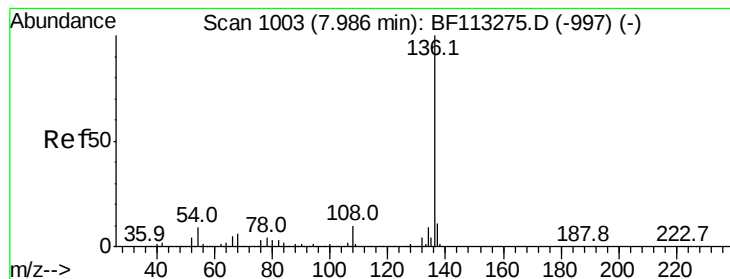
Ion Ratio Lower Upper

94 100

65 27.1 21.4 61.4

66 38.7 46.4 86.4#





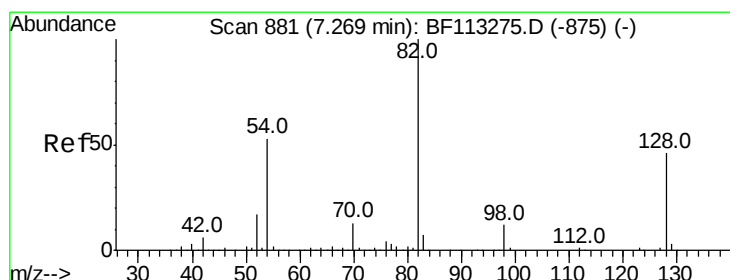
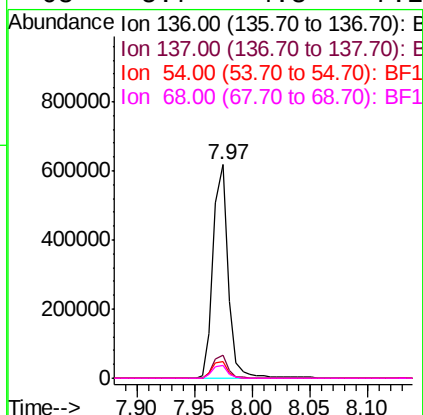
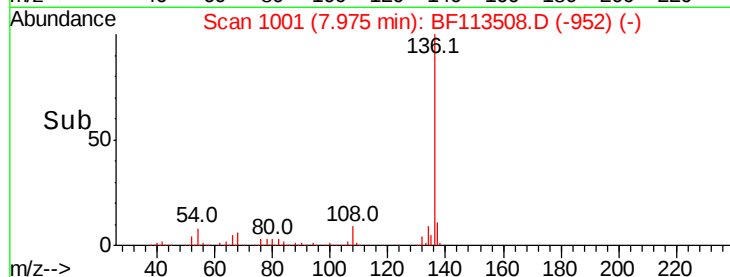
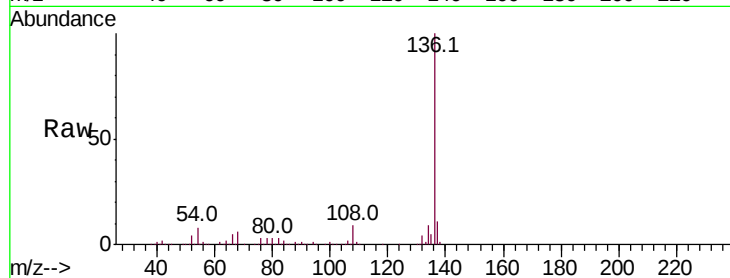
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF113508.D
Acq: 2 Apr 2019 16:25

Instrument :
BNA_F
ClientSampleId :
CS-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100	566582		
137	10.7	8.9	13.3	
54	7.7	7.0	10.6	
68	5.7	4.8	7.2	

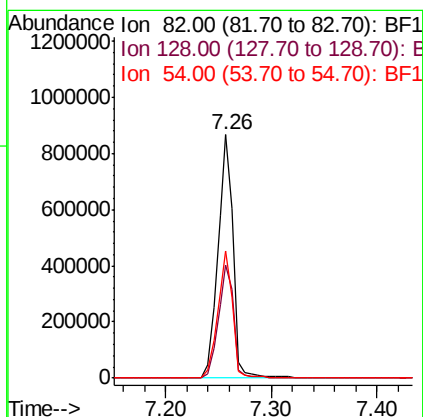
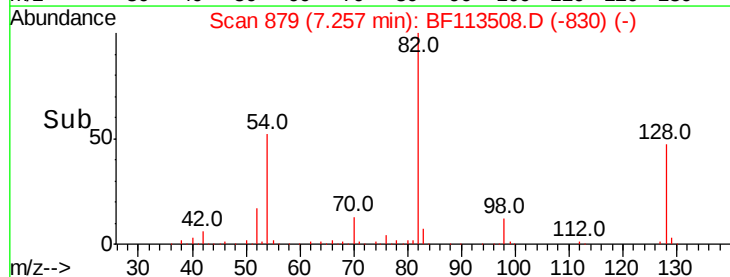
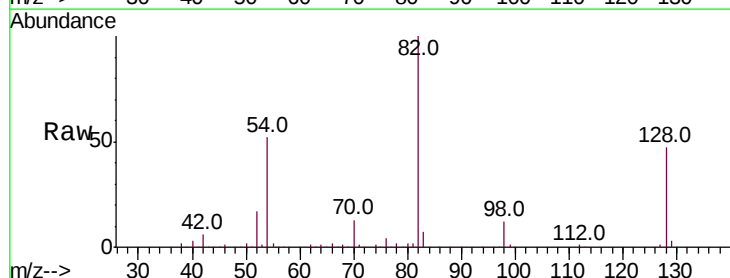
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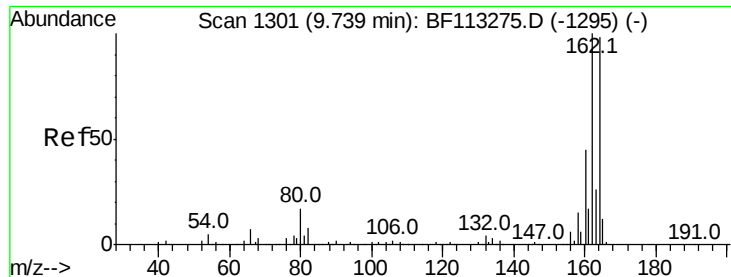
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#23
Nitrobenzene-d5
Concen: 92.584 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF113508.D
Acq: 2 Apr 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	883793		
128	46.6	36.5	54.7	
54	52.4	42.2	63.2	





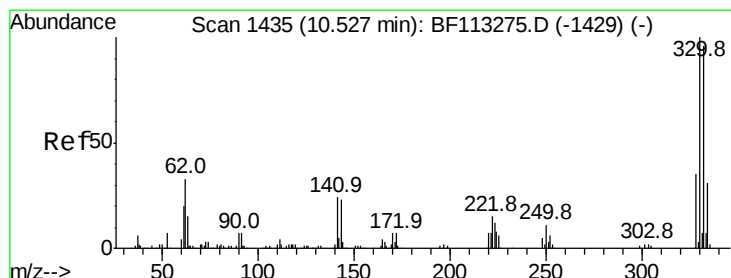
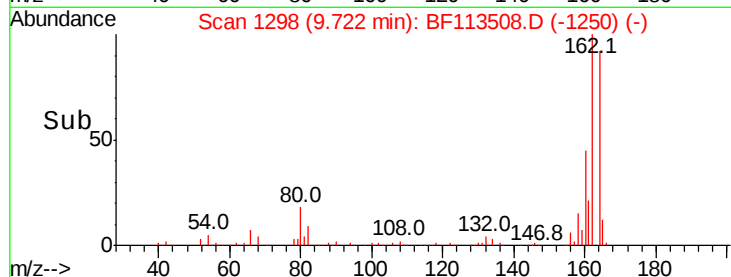
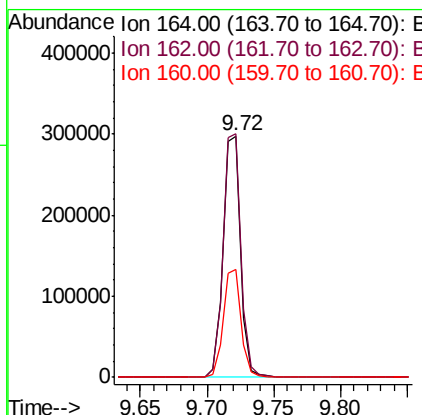
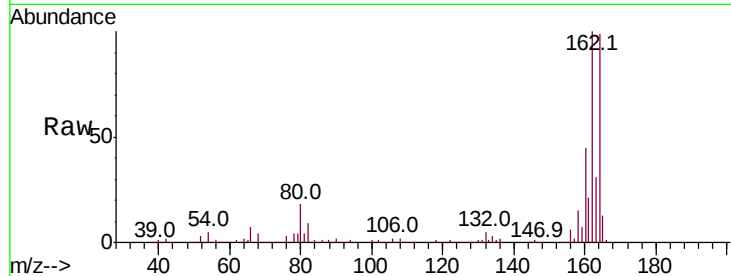
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF113508.D
Acq: 2 Apr 2019 16:25

Instrument :
BNA_F
ClientSampleId :
CS-2

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.9	81.8	122.6	
160	44.9	36.4	54.6	

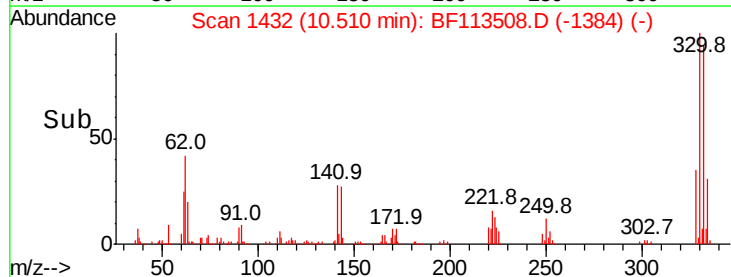
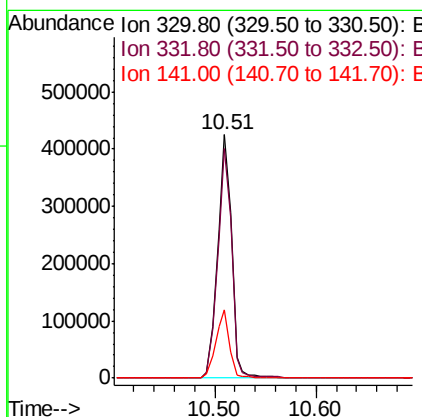
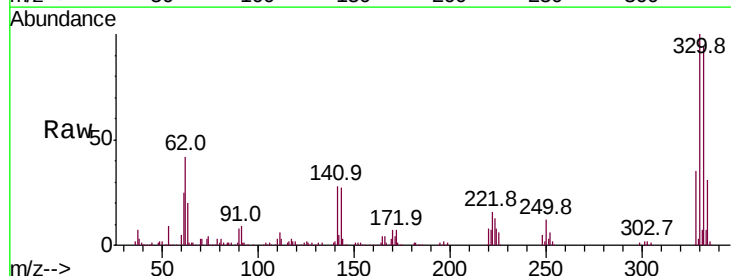
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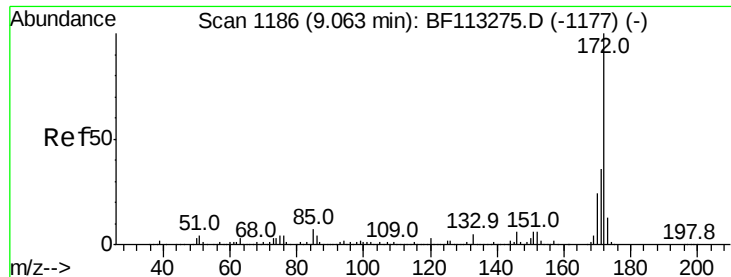
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#42
2,4,6-Tribromophenol
Concen: 119.463 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.02 min
Lab File: BF113508.D
Acq: 2 Apr 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.5	77.8	116.6	
141	27.5	22.7	34.1	





#45

2-Fluorobiphenyl

Concen: 87.015 ng

RT: 9.05 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BF113508.D

Acq: 2 Apr 2019 16:25

Instrument :

BNA_F

ClientSampled :

CS-2

Tot Ion:172 Resp: 1524721

Ion Ratio Lower Upper

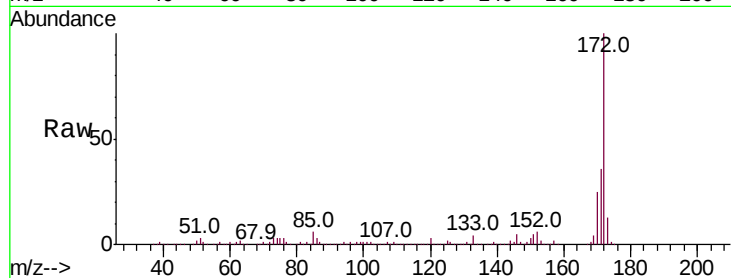
172 100

171 36.3 29.0 43.6

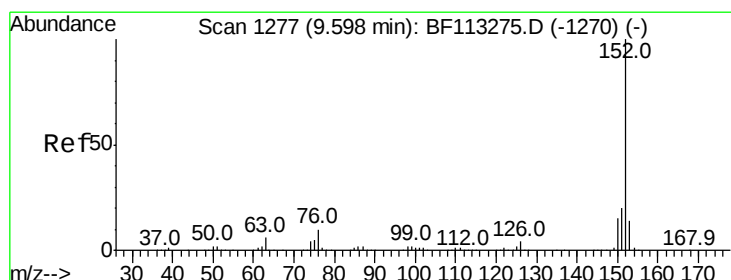
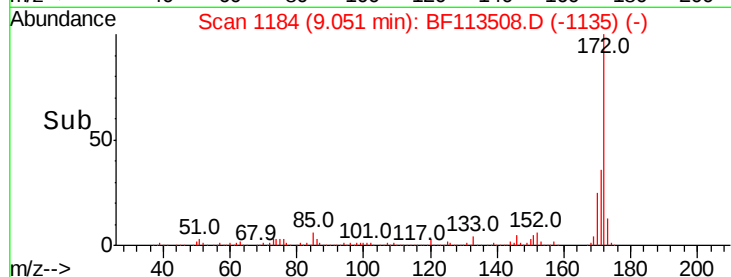
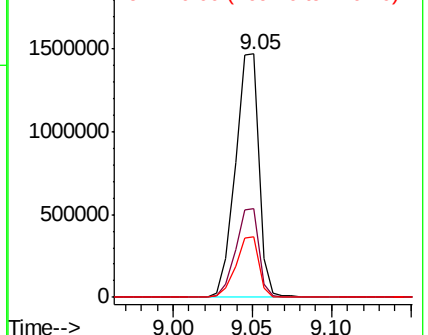
170 24.7 19.5 29.3

Manual Integrations
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Abundance Ion 172.00 (171.70 to 172.70): E
2000000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



#49

Acenaphthylene

Concen: 2.128 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.02 min

Lab File: BF113508.D

Acq: 2 Apr 2019 16:25

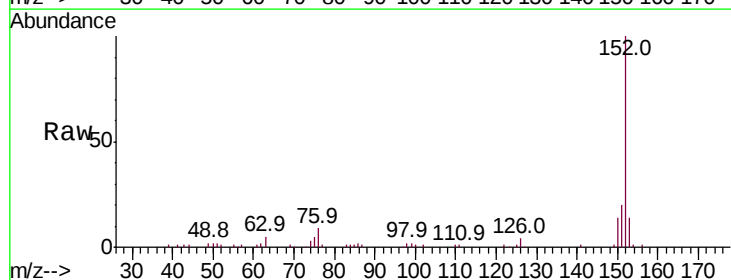
Tgt Ion:152 Resp: 61058

Ion Ratio Lower Upper

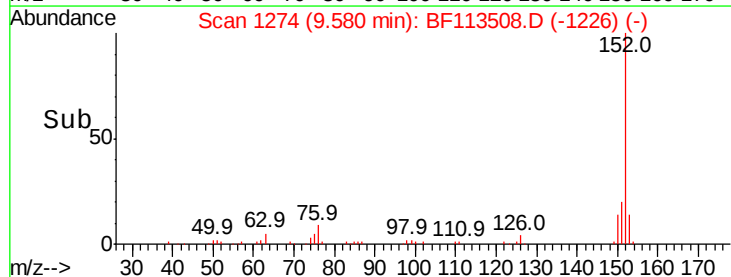
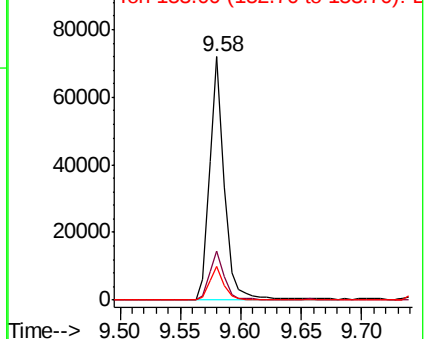
152 100

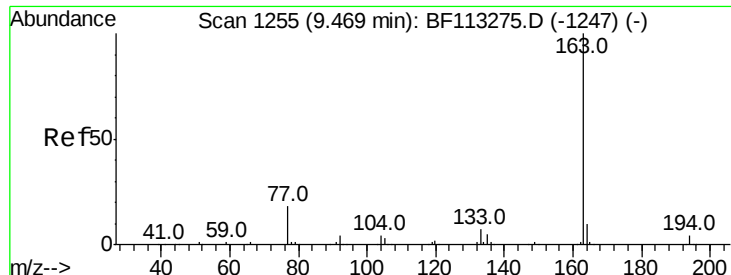
151 20.3 16.2 24.4

153 13.6 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E
100000
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





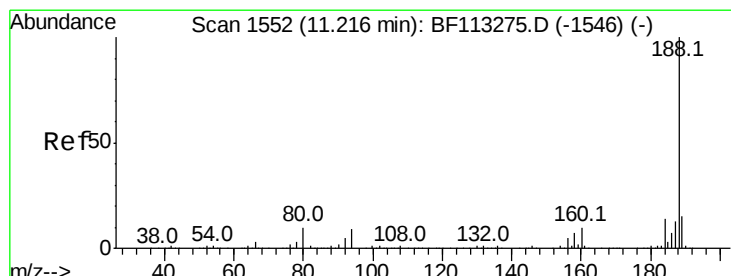
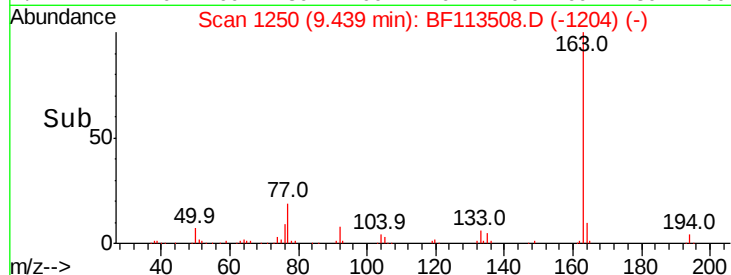
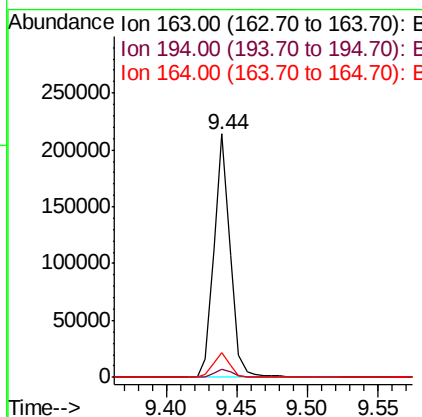
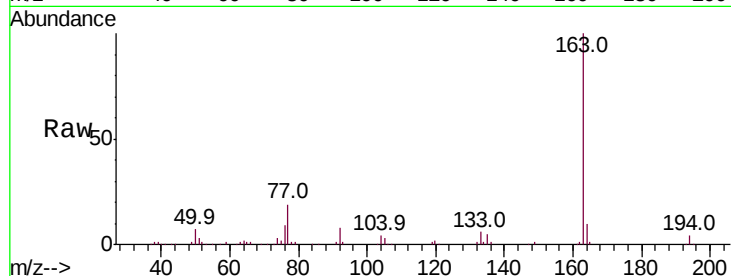
#50
Dimethylphthalate
Concen: 8.387 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.03 min
Lab File: BF113508.D
Acq: 2 Apr 2019 16:25

Instrument :
BNA_F
ClientSampled :
CS-2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	171530		
194	3.6		3.0	4.6
164	9.9		8.1	12.1

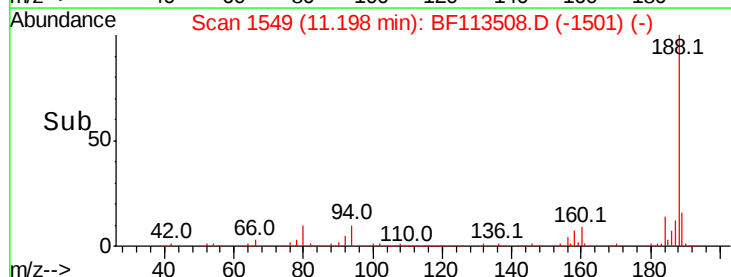
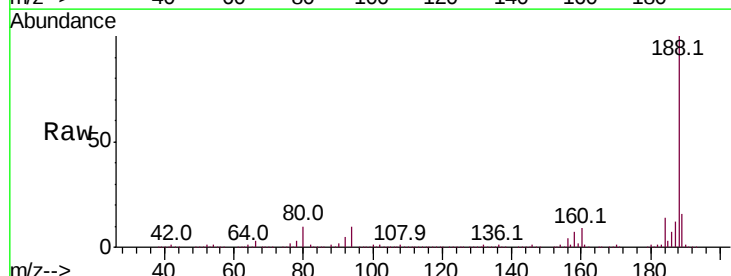
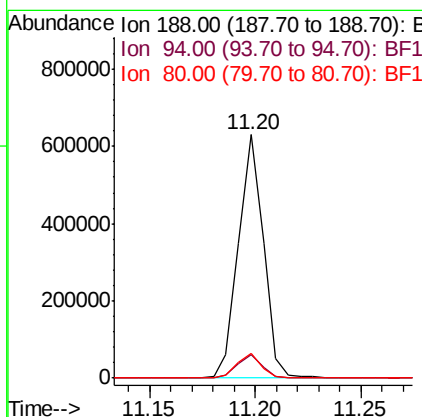
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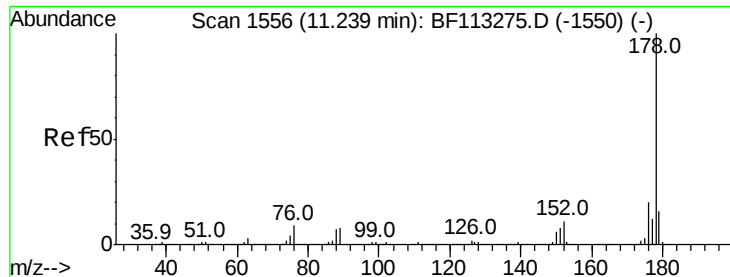
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.02 min
Lab File: BF113508.D
Acq: 2 Apr 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	516961		
94	9.5		7.0	10.6
80	9.9		7.7	11.5





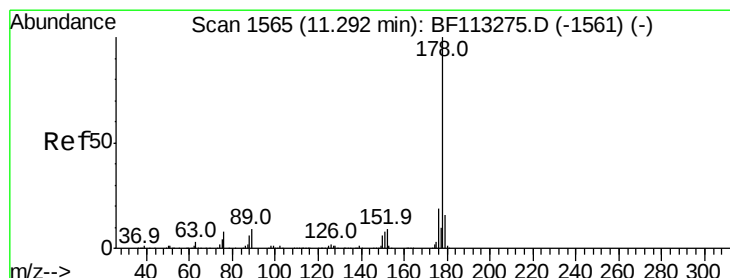
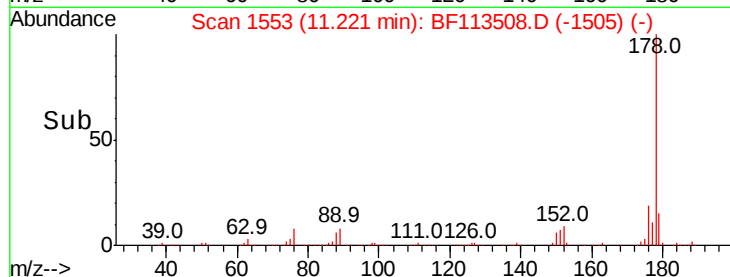
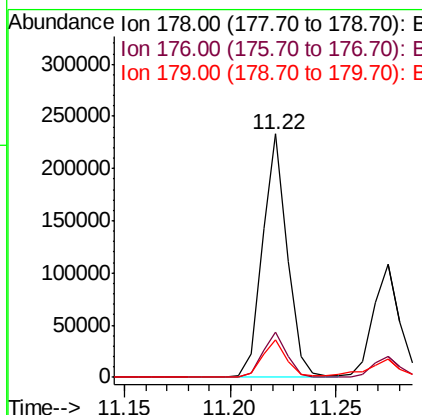
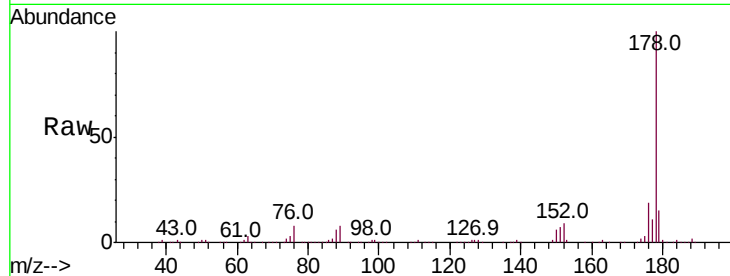
#71
Phenanthrene
Concen: 7.391 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BF113508.D
Acq: 2 Apr 2019 16:25

Instrument :
BNA_F
ClientSampleId :
CS-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.2
179	15.2	12.7	19.1

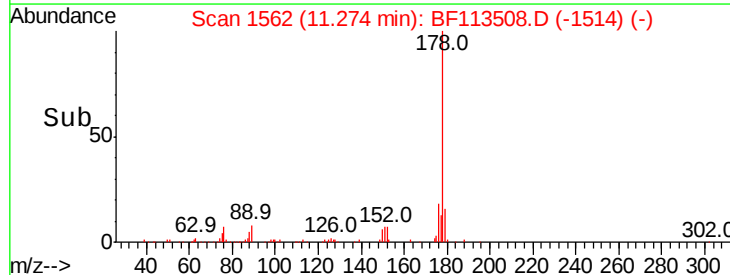
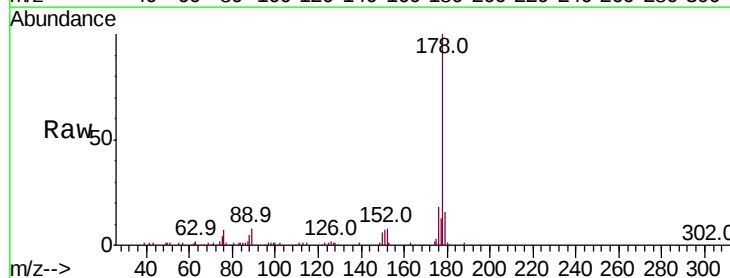
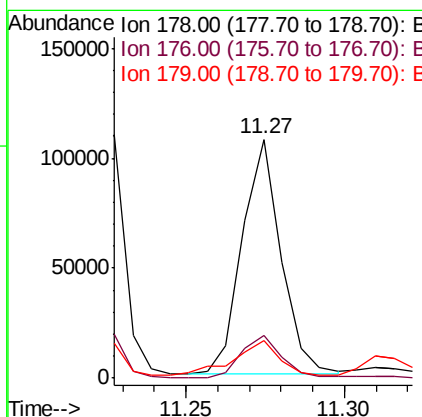
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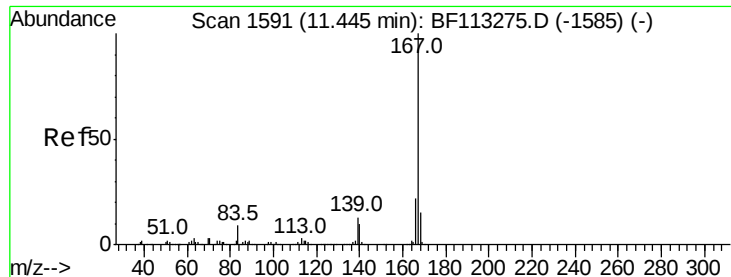
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#72
Anthracene
Concen: 3.484 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF113508.D
Acq: 2 Apr 2019 16:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.9	12.8	19.2





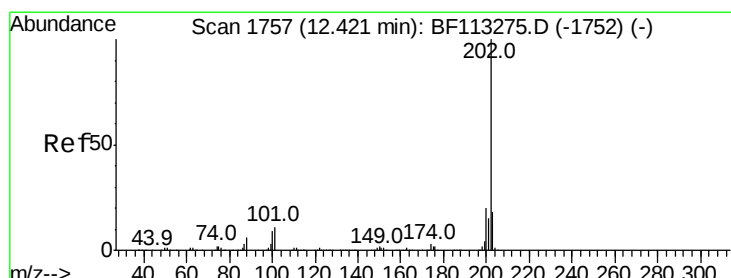
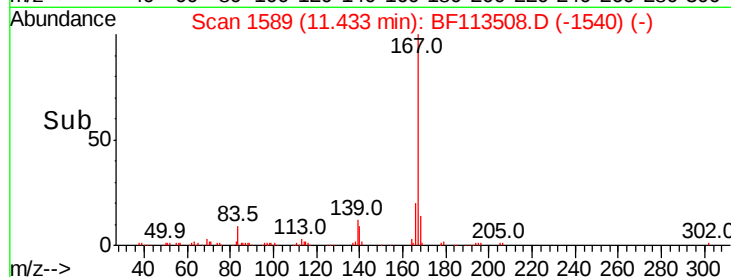
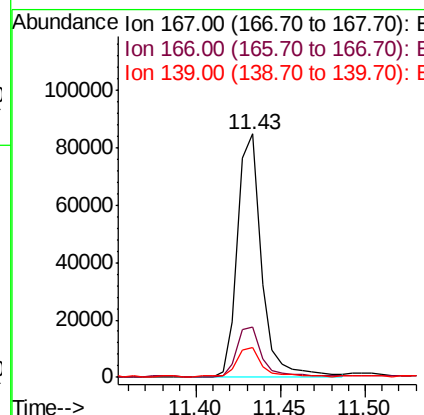
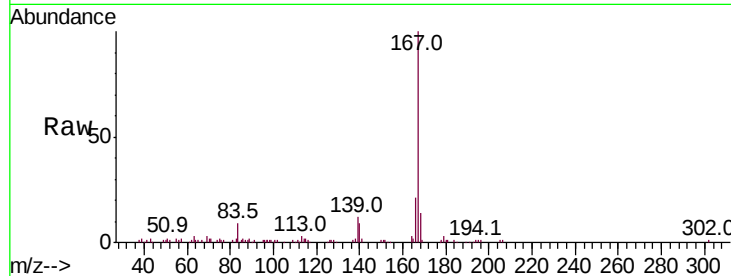
#73
 Carbazole
 Concen: 3.401 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF113508.D
 Acq: 2 Apr 2019 16:25

Instrument :
 BNA_F
 ClientSampleId :
 CS-2

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.4	26.0
139	12.4	10.4	15.6

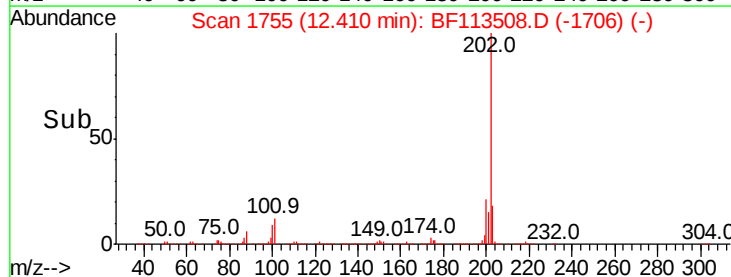
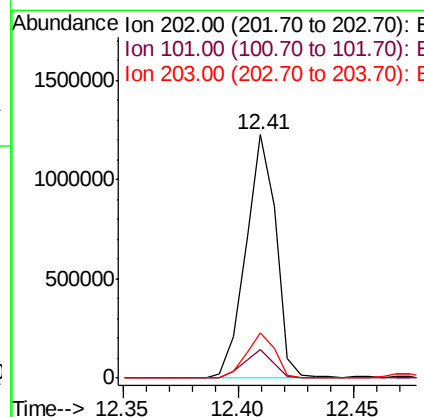
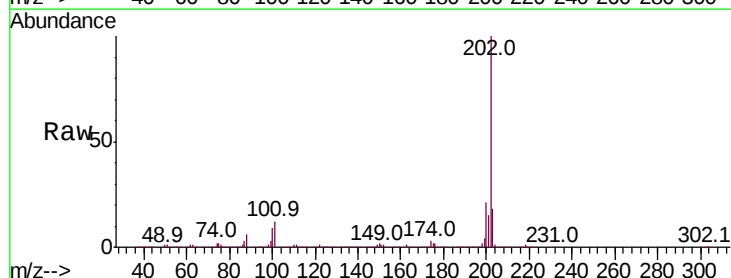
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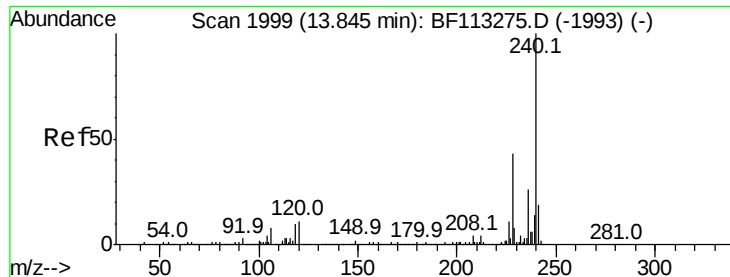
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#75
 Fluoranthene
 Concen: 38.389 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: BF113508.D
 Acq: 2 Apr 2019 16:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.4
203	18.4	0.0	38.0





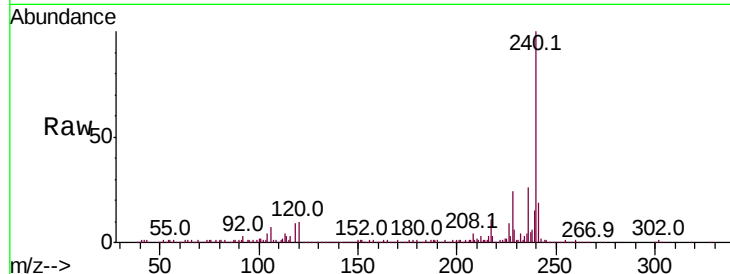
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF113508.D
Acq: 2 Apr 2019 16:25

Instrument :
BNA_F
ClientSampled :
CS-2

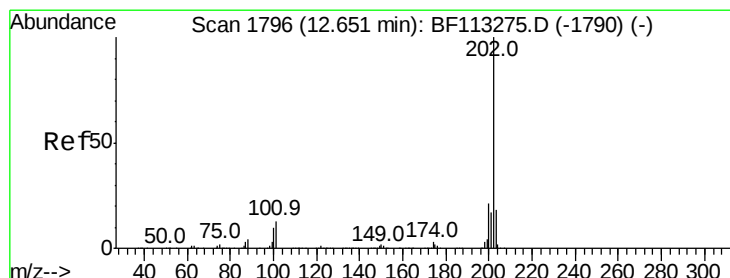
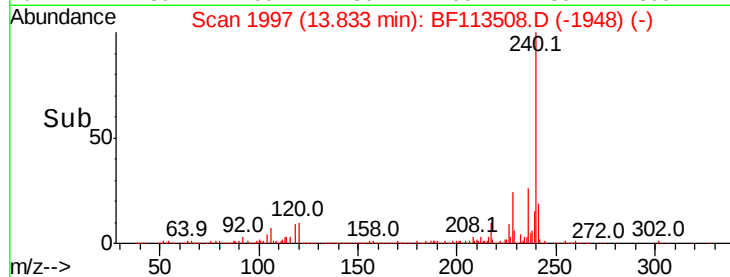
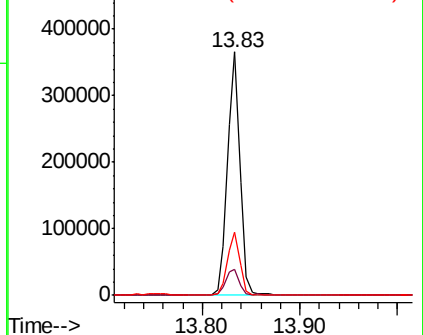
Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	10.4	8.8	13.2	
236	25.9	20.9	31.3	

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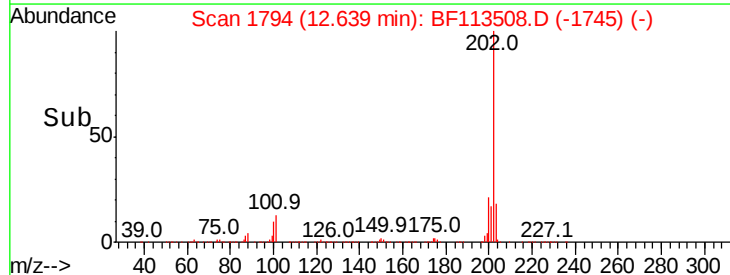
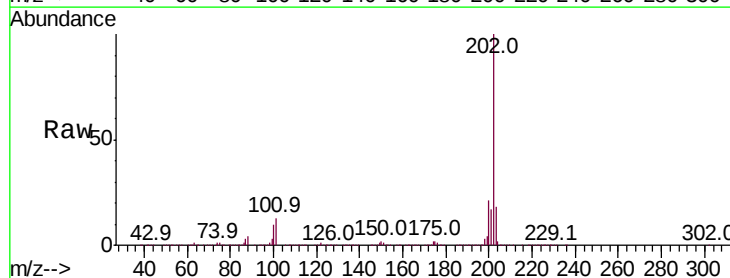
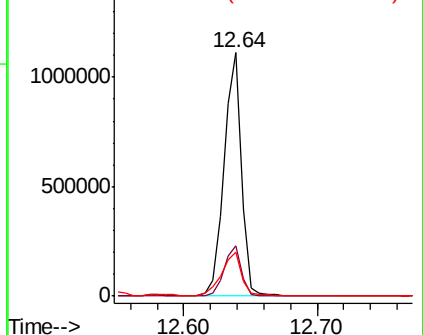
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

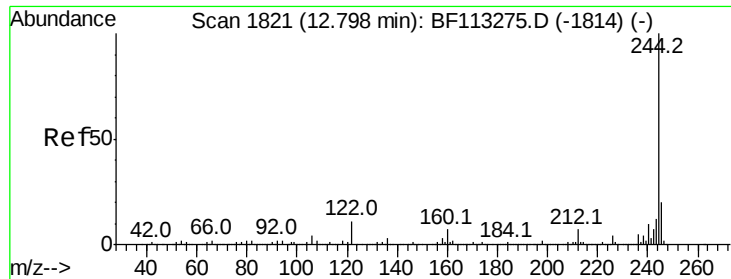


#78
Pyrene
Concen: 45.599 ng
RT: 12.64 min Scan# 1794
Delta R.T. -0.01 min
Lab File: BF113508.D
Acq: 2 Apr 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.8	16.8	25.2	
203	18.1	14.4	21.6	

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





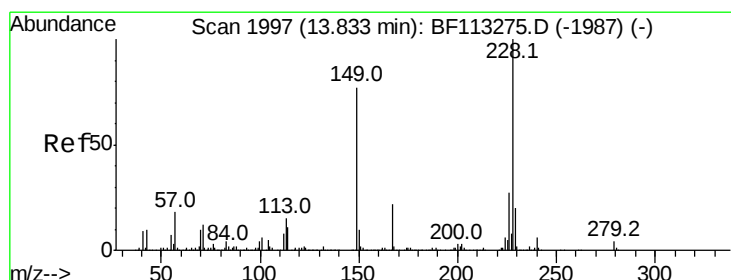
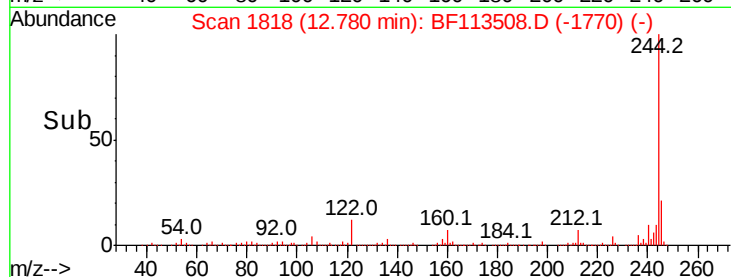
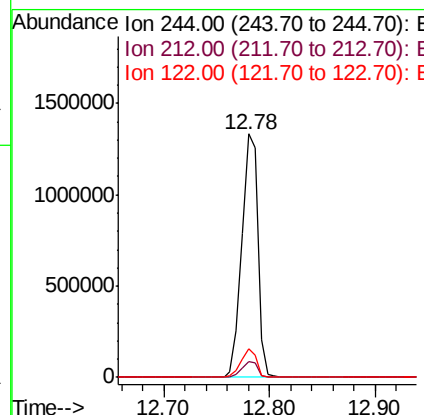
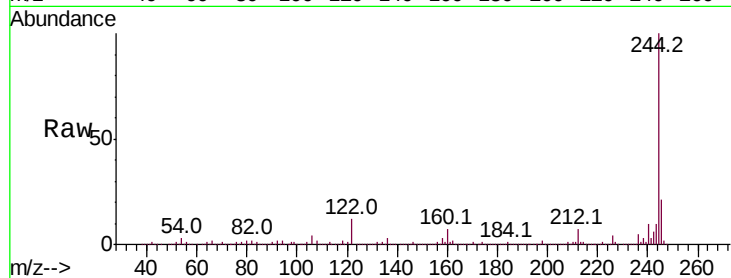
#79
 Terphenyl-d14
 Concen: 93.973 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BF113508.D
 Acq: 2 Apr 2019 16:25

Instrument :
 BNA_F
 ClientSampleId :
 CS-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	11.6	8.6	13.0

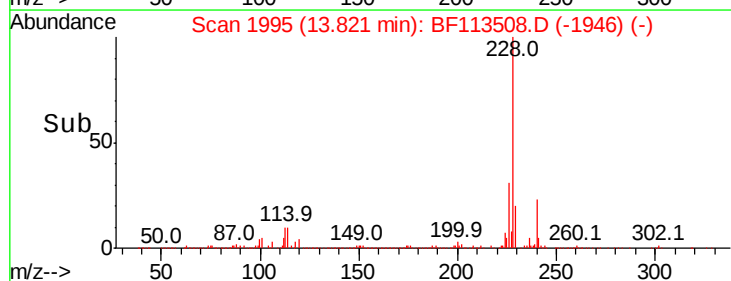
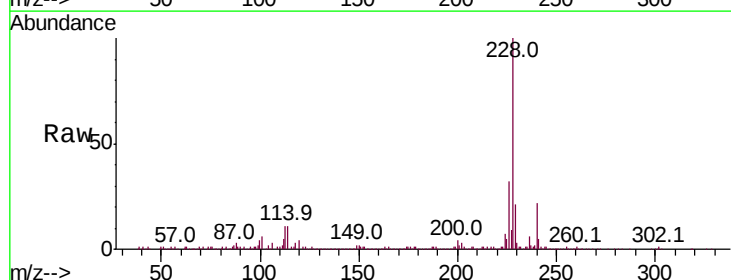
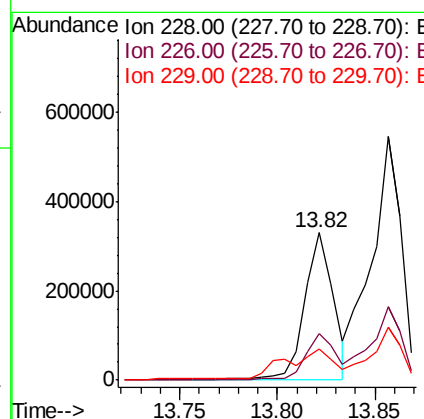
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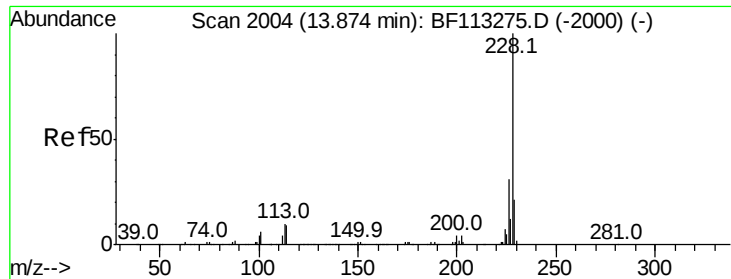
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#81
 Benzo(a)anthracene
 Concen: 17.924 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.01 min
 Lab File: BF113508.D
 Acq: 2 Apr 2019 16:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	21.8	32.8
229	21.3	16.2	24.4





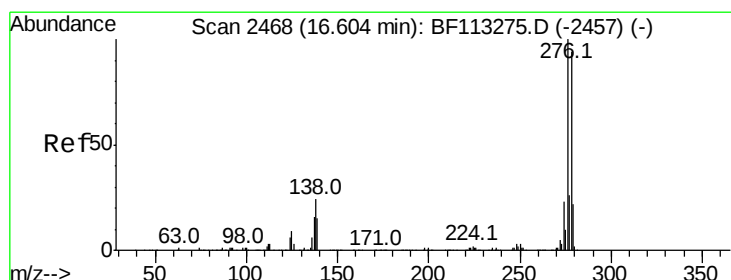
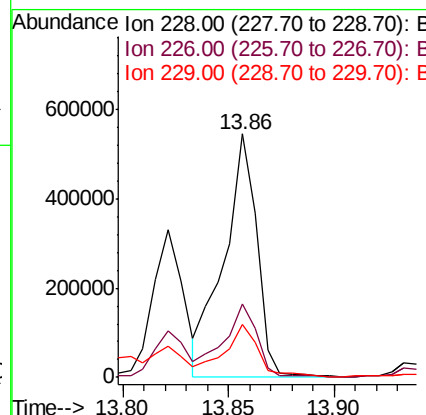
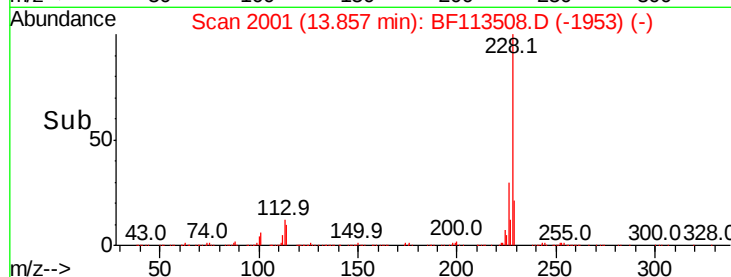
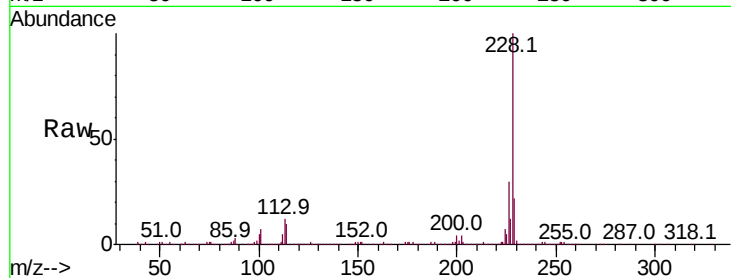
#83
Chrysene
Concen: 30.961 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.02 min
Lab File: BF113508.D
Acq: 2 Apr 2019 16:25

Instrument :
BNA_F
ClientSampleId :
CS-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.3	36.5
229	21.5	16.3	24.5

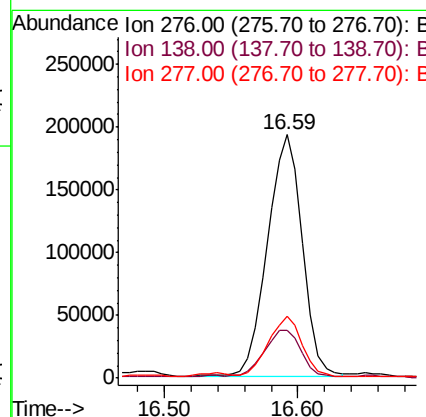
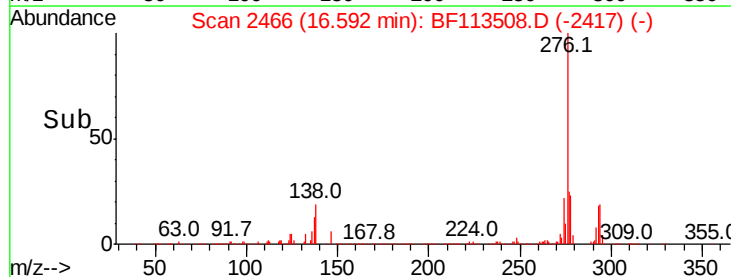
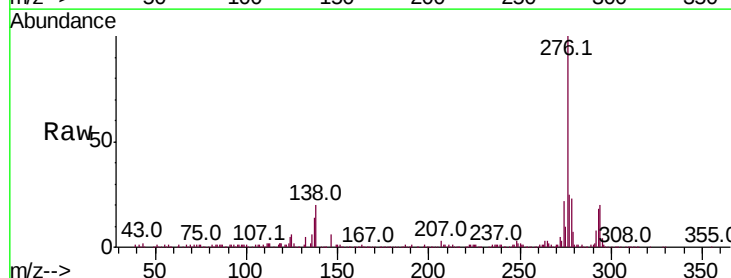
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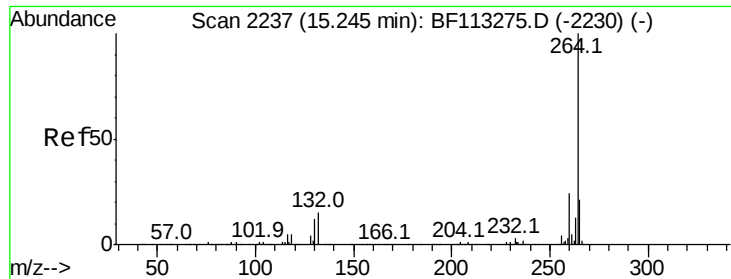
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#86
Indeno(1,2,3-cd)pyrene
Concen: 21.491 ng
RT: 16.59 min Scan# 2466
Delta R.T. -0.01 min
Lab File: BF113508.D
Acq: 2 Apr 2019 16:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	18.1	27.1
277	24.1	20.2	30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113508.D

Acq: 2 Apr 2019 16:25

Instrument :

BNA_F

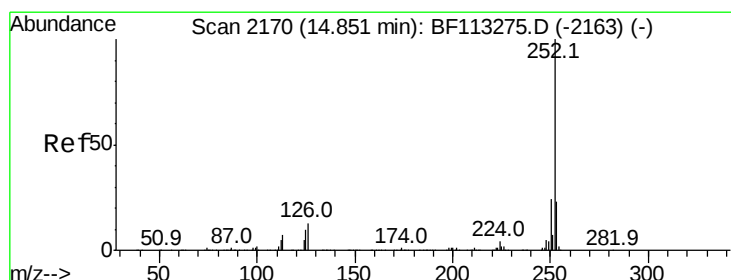
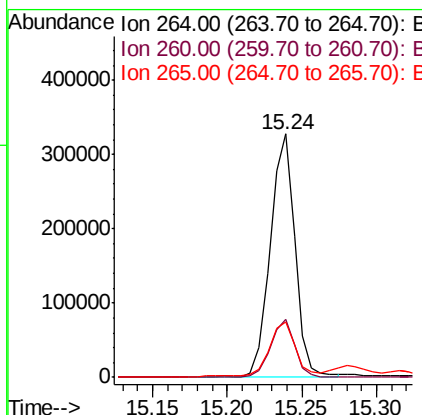
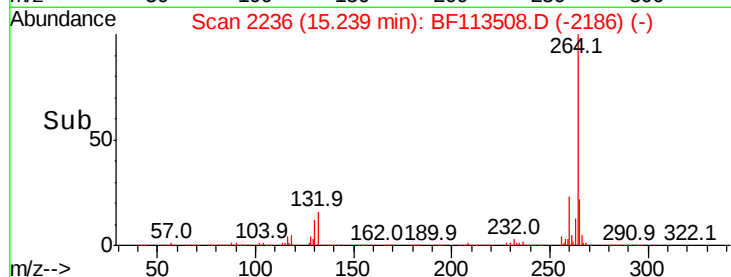
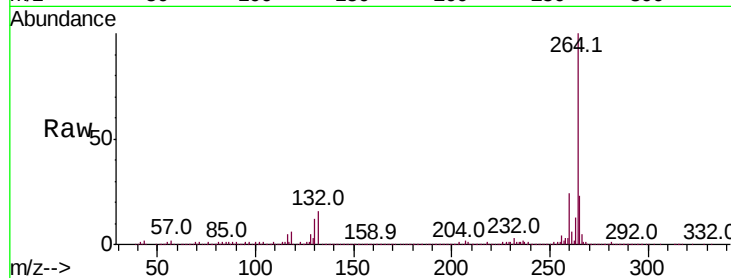
ClientSampleId :

CS-2

Tot Ion:	264	Resp:	375368
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.1	28.7
265	22.6	17.1	25.7

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#88

Benzo(b)fluoranthene

Concen: 40.360 ng m

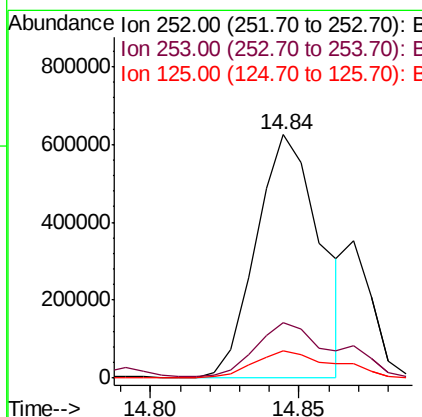
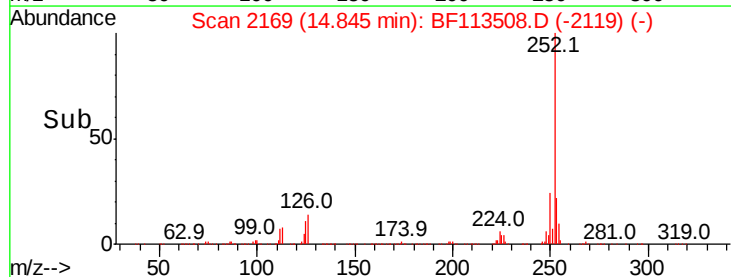
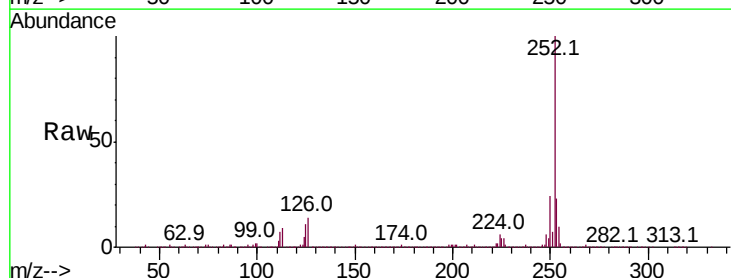
RT: 14.84 min Scan# 2169

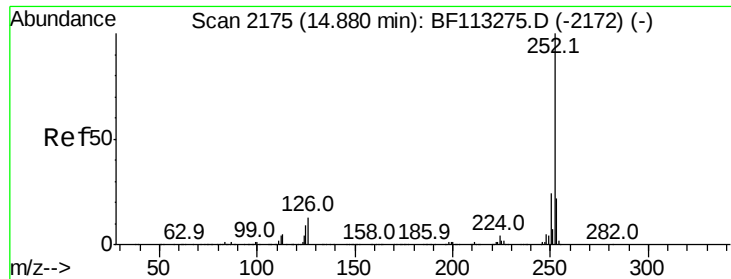
Delta R.T. -0.01 min

Lab File: BF113508.D

Acq: 2 Apr 2019 16:25

Tgt Ion:	252	Resp:	941103
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.0	27.0
125	11.3	7.6	11.4





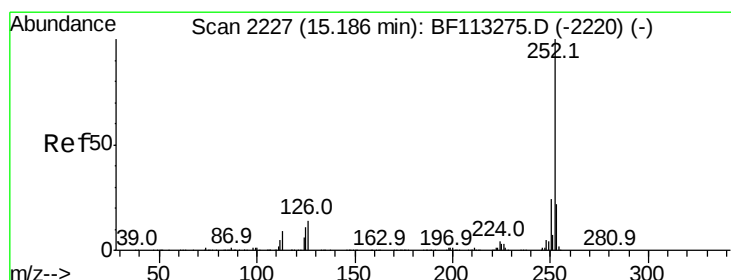
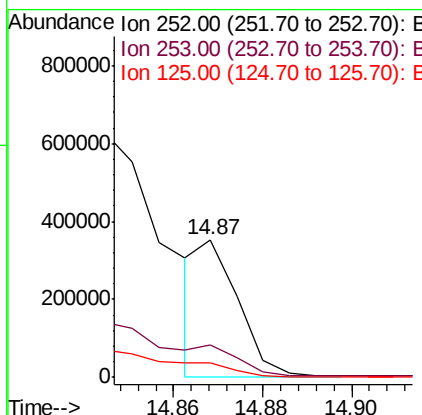
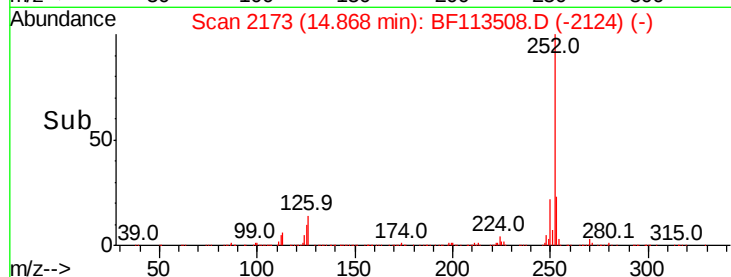
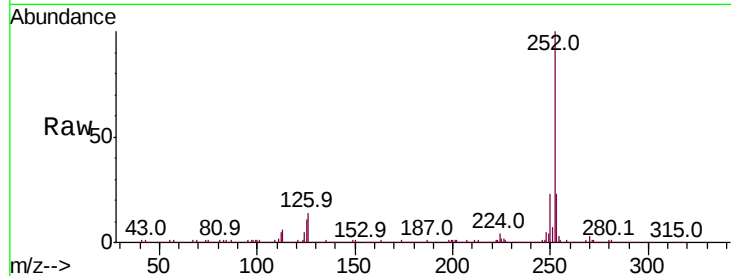
#89
Benzo(k)fluoranthene
Concen: 10.758 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113508.D
Acq: 2 Apr 2019 16:25

Instrument :
BNA_F
ClientSampleId :
CS-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	10.5	7.3	10.9

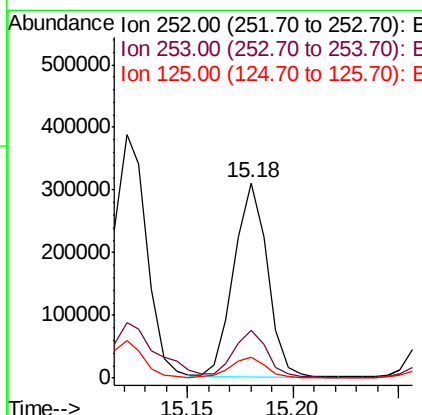
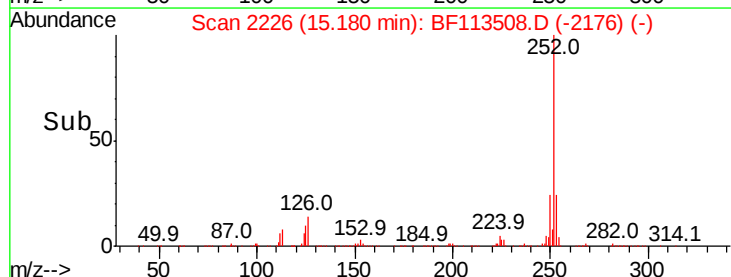
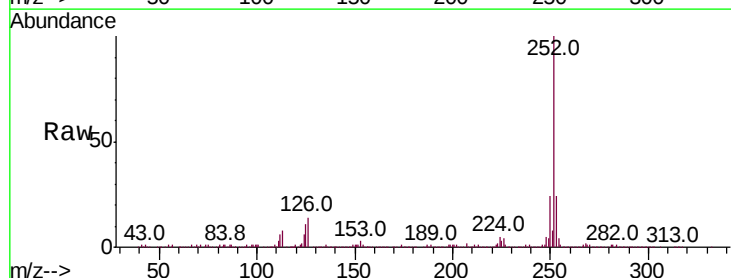
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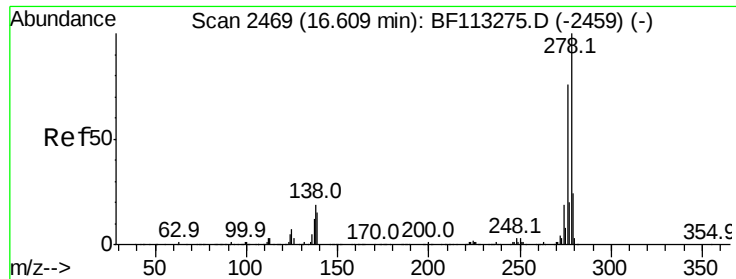
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#90
Benzo(a)pyrene
Concen: 16.550 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113508.D
Acq: 2 Apr 2019 16:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	10.7	8.8	13.2





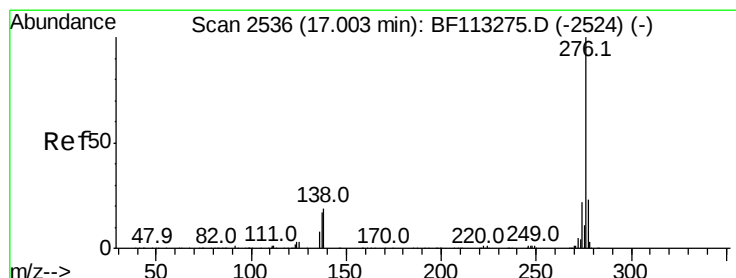
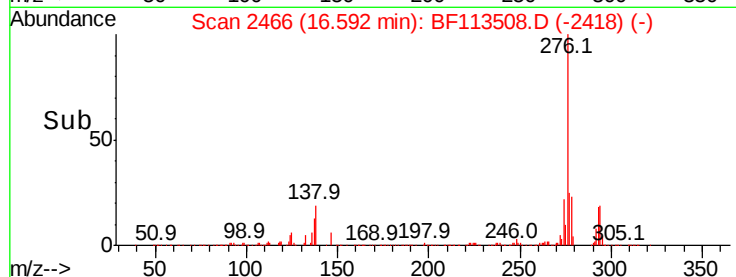
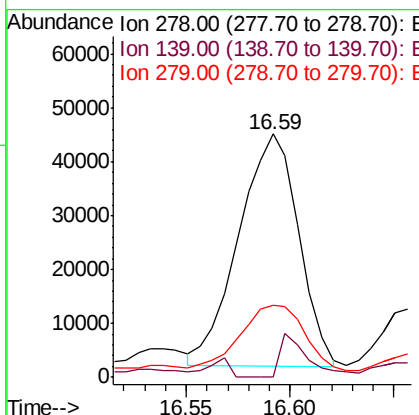
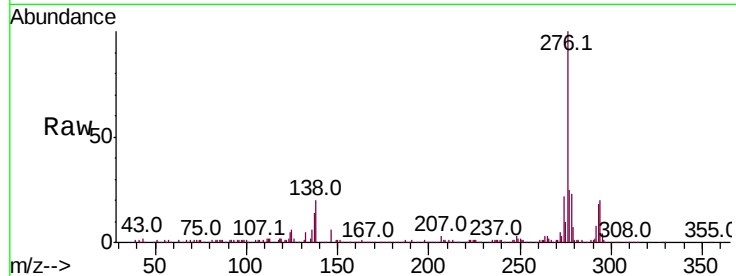
#91
Dibenzo(a,h)anthracene
Concen: 4.830 ng m
RT: 16.59 min Scan# 2466
Delta R.T. -0.02 min
Lab File: BF113508.D
Acq: 2 Apr 2019 16:25

Instrument :
BNA_F
ClientSampleId :
CS-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	29.8	19.0	28.6#

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#92
Benzo(g,h,i)perylene
Concen: 17.499 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF113508.D
Acq: 2 Apr 2019 16:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	20.6	15.6	23.4

