

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040219\
 Data File : BF113507.D
 Acq On : 2 Apr 2019 15:56
 Operator : JU/SJ
 Sample : K2050-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-4

Manual Integrations
 APPROVED

sohil
 4/3/2019 4:27:29 AM

Quant Time: Apr 03 02:27:52 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	170791	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	630375	20.00	ng	-0.01
39) Acenaphthene-d10	9.72	164	308718	20.00	ng	-0.02
64) Phenanthrene-d10	11.20	188	596054	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	391827	20.00	ng	-0.01
87) Perylene-d12	15.24	264	432552	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1097597	105.08	ng	0.00
7) Phenol-d6	6.35	99	1490169	112.77	ng	-0.01
23) Nitrobenzene-d5	7.26	82	938845	88.40	ng	-0.01
42) 2,4,6-Tribromophenol	10.51	330	411821	107.99	ng	-0.02
45) 2-Fluorobiphenyl	9.05	172	1379269	66.10	ng	-0.02
79) Terphenyl-d14	12.78	244	1242495	69.89	ng	-0.02
Target Compounds						
10) Phenol	6.36	94	110497	7.325	ng	Qvalue # 68
49) Acenaphthylene	9.58	152	74456	2.320	ng	99
50) Dimethylphthalate	9.44	163	195396	8.541	ng	100
71) Phenanthrene	11.22	178	121745	4.113	ng	97
72) Anthracene	11.27	178	100556	3.345	ng	97
73) Carbazole	11.43	167	83703	2.918	ng	98
75) Fluoranthene	12.41	202	779849	23.305	ng	100
78) Pyrene	12.64	202	784327	28.886	ng	99
81) Benzo(a)anthracene	13.82	228	400494	17.856	ng	95
83) Chrysene	13.86	228	609380	26.749	ng	98
86) Indeno(1,2,3-cd)pyrene	16.60	276	463135	23.688	ng	96
88) Benzo(b)fluoranthene	14.85	252	1192910m	44.396	ng	
89) Benzo(k)fluoranthene	14.87	252	331455m	14.047	ng	
90) Benzo(a)pyrene	15.18	252	492383	20.670	ng	98
91) Dibenzo(a,h)anthracene	16.60	278	137172m	6.660	ng	
92) Benzo(g,h,i)perylene	17.00	276	409156	19.701	ng	97

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

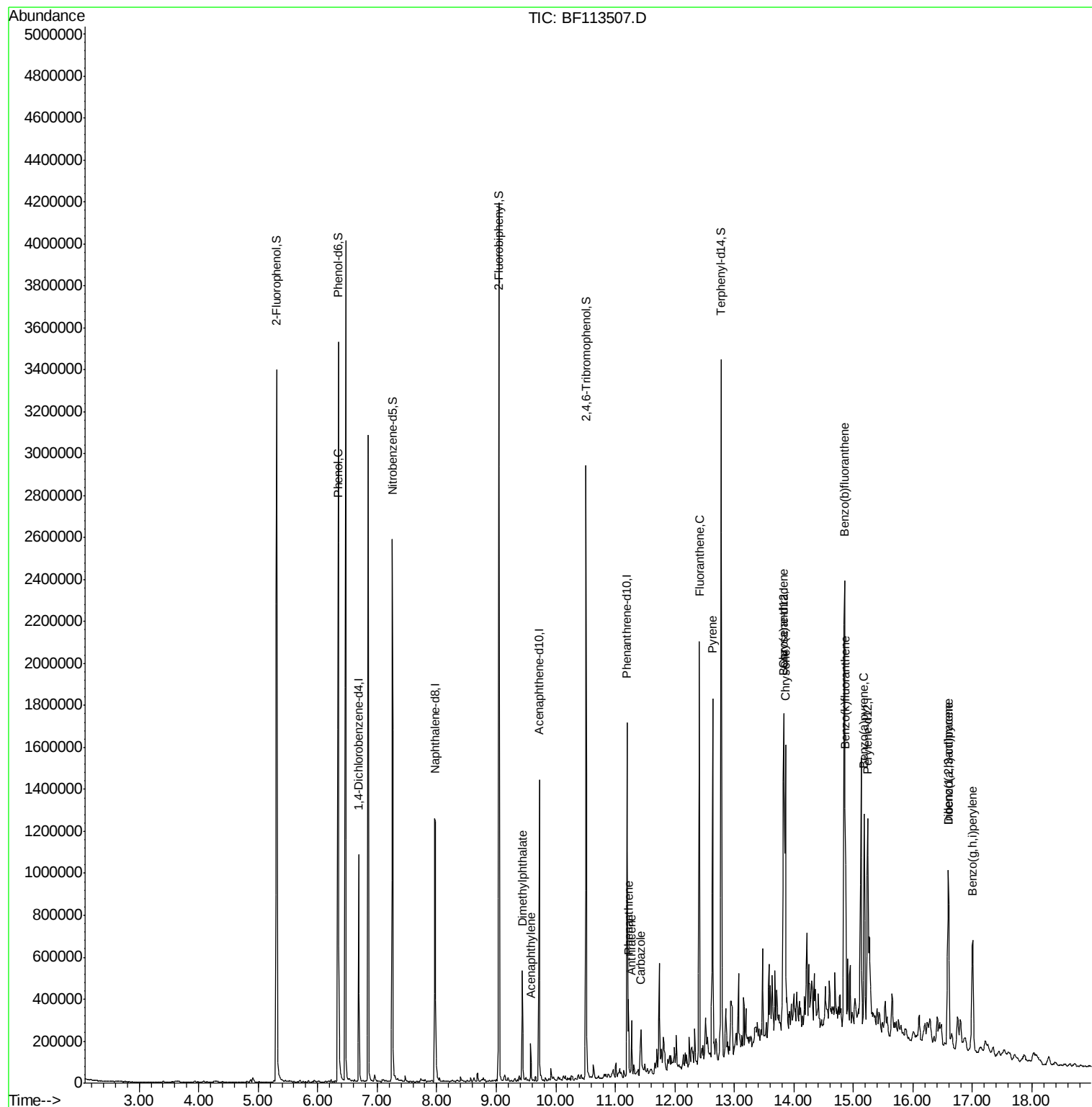
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040219\
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ALS Vial : 8 Sample Multiplier: 1

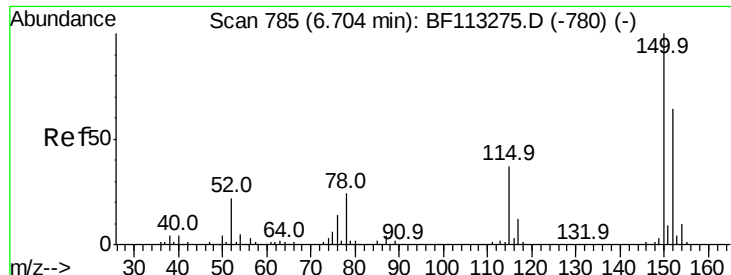
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

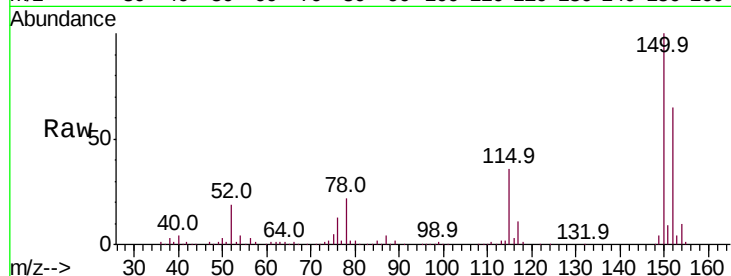
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF113507.D
Acq: 2 Apr 2019 15:56

Instrument :
BNA_F
ClientSampleId :
CS-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.7	187.1
115	55.9	46.0	69.0

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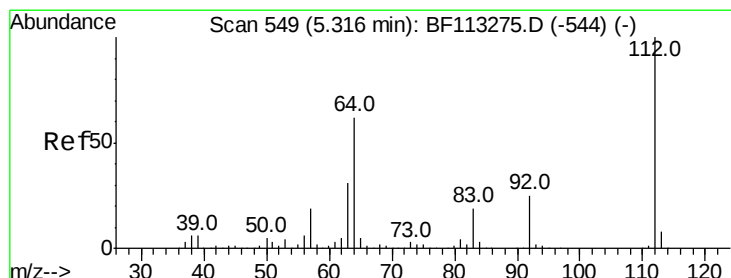
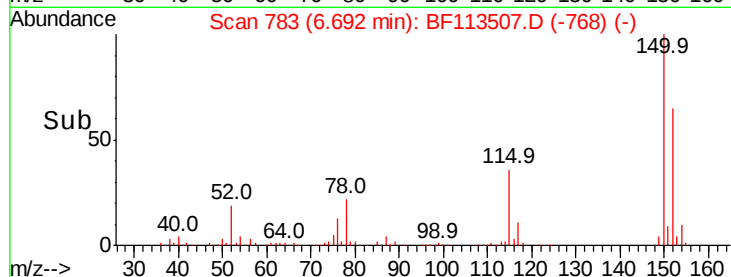
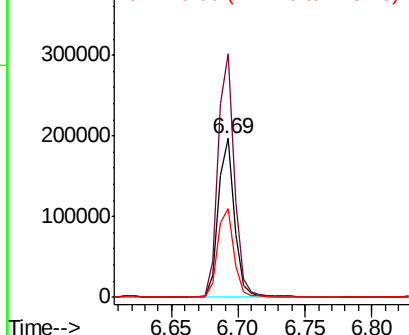


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

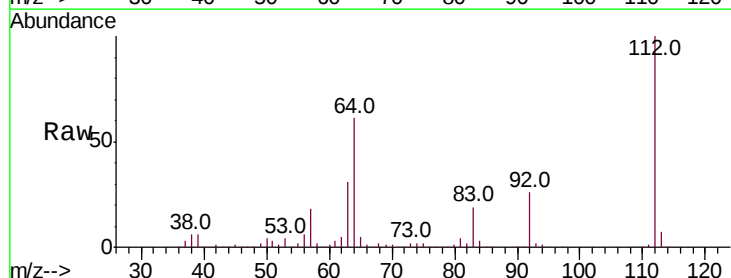
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 105.082 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF113507.D
Acq: 2 Apr 2019 15:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	49.2	73.8
63	31.2	24.9	37.3

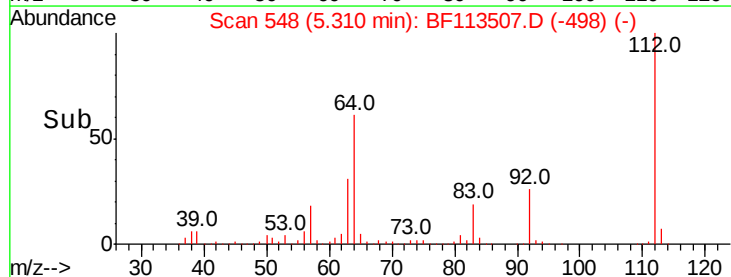
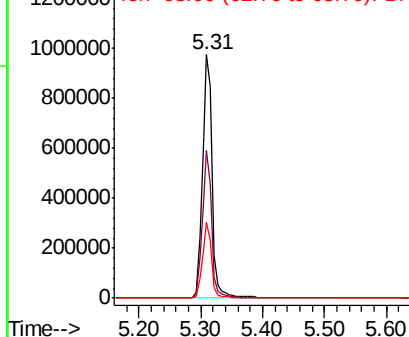


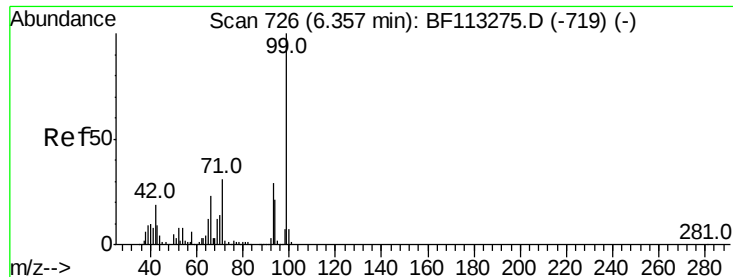
Abundance

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: 112.775 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113507.D

Acq: 2 Apr 2019 15:56

Instrument :

BNA_F

ClientSampleId :

CS-4

Tot Ion: 99 Resp: 1490169

Ion Ratio Lower Upper

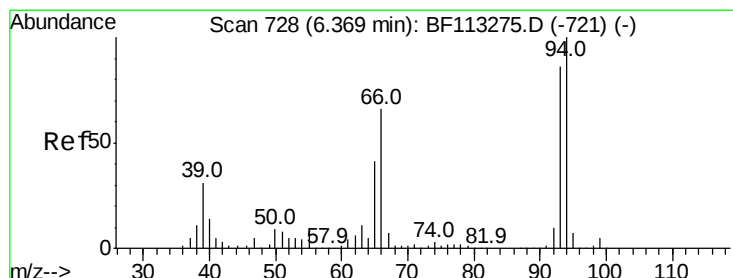
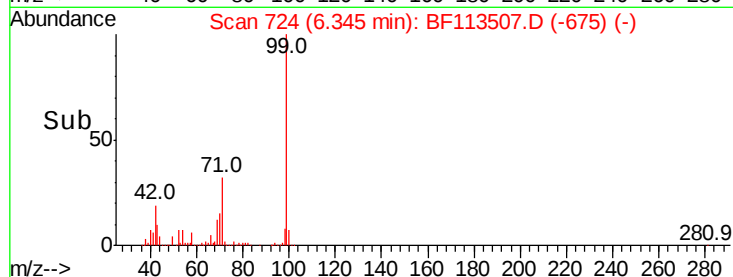
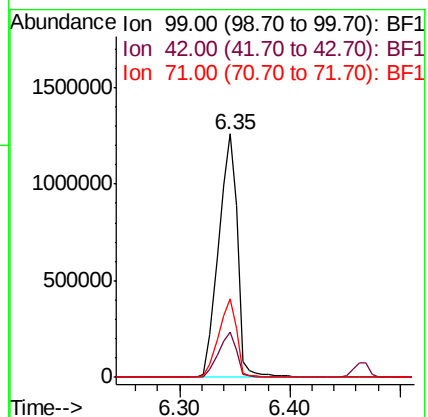
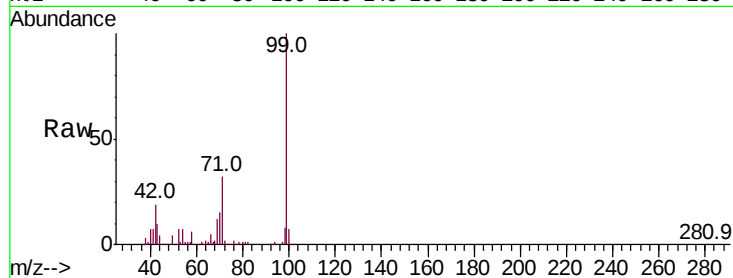
99 100

42 18.6 14.8 22.2

71 32.2 24.9 37.3

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#10

Phenol

Concen: 7.325 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF113507.D

Acq: 2 Apr 2019 15:56

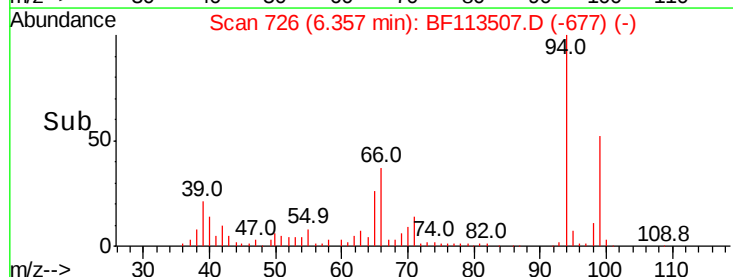
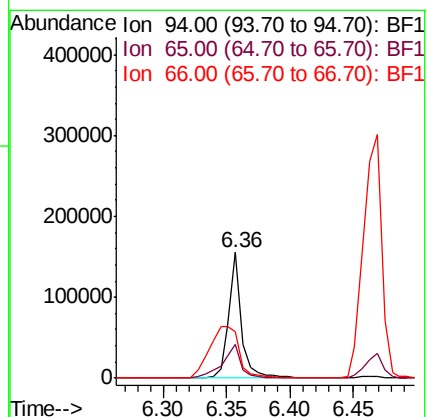
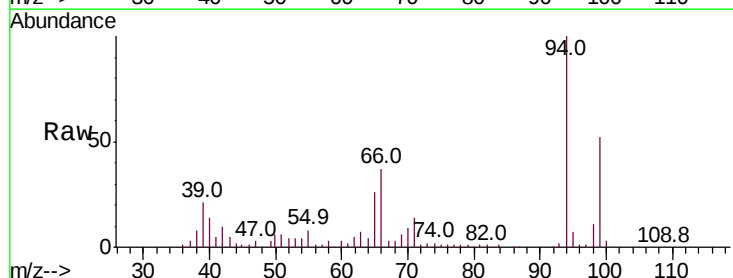
Tgt Ion: 94 Resp: 110497

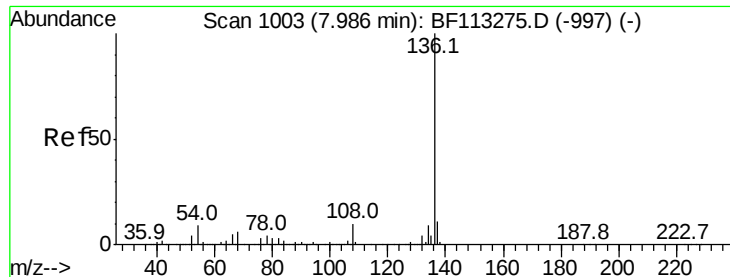
Ion Ratio Lower Upper

94 100

65 26.3 21.4 61.4

66 36.9 46.4 86.4#





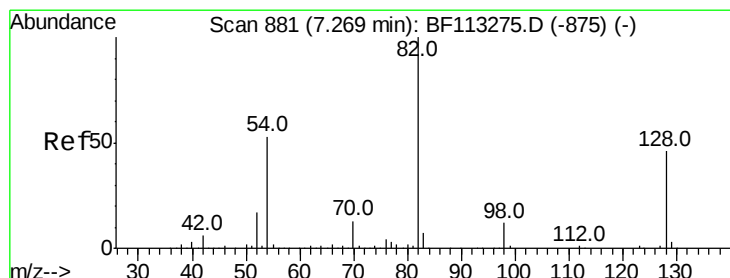
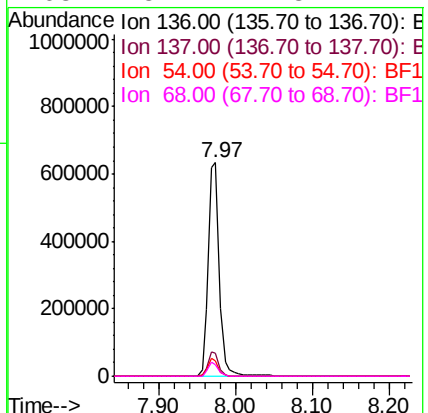
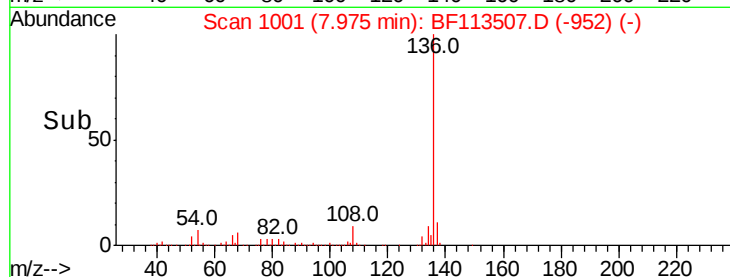
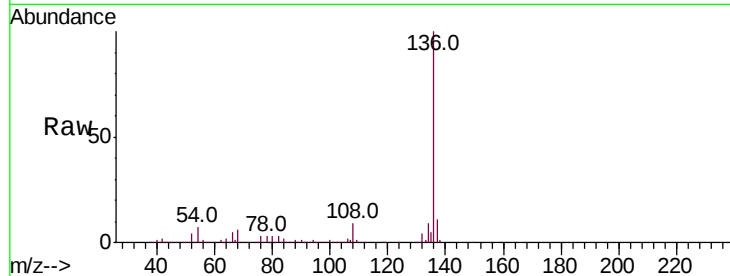
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF113507.D
Acq: 2 Apr 2019 15:56

Instrument :
BNA_F
ClientSampled :
CS-4

Tot Ion	Ratio	Resp	Lower	Upper
136	100	630375		
137	10.9		8.9	13.3
54	7.3		7.0	10.6
68	5.7		4.8	7.2

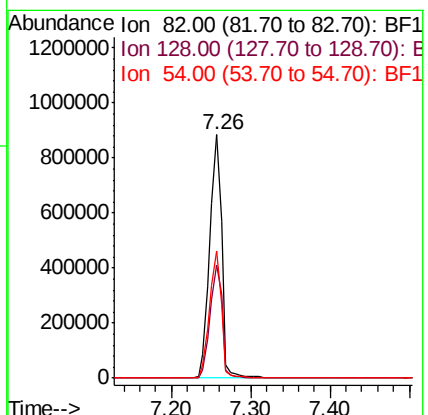
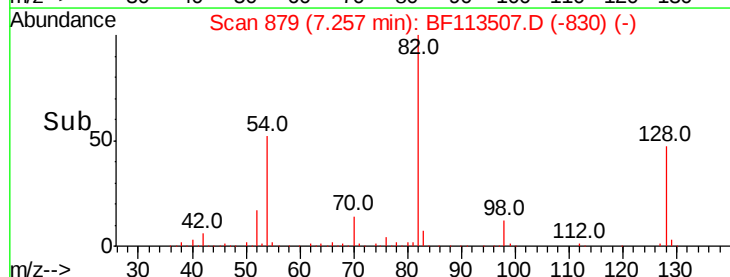
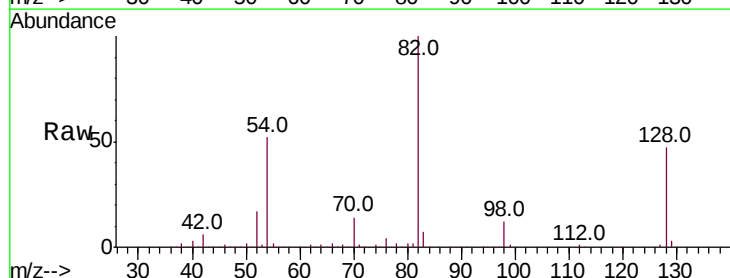
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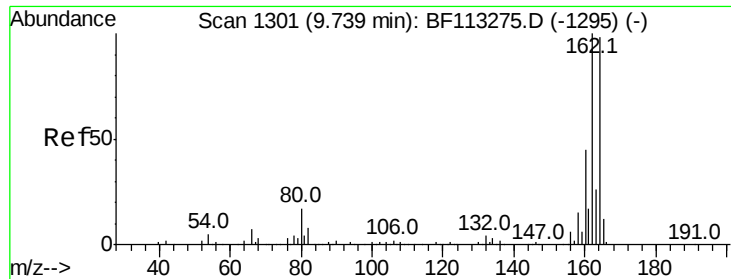
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#23
Nitrobenzene-d5
Concen: 88.399 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF113507.D
Acq: 2 Apr 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	938845		
128	46.6		36.5	54.7
54	52.4		42.2	63.2





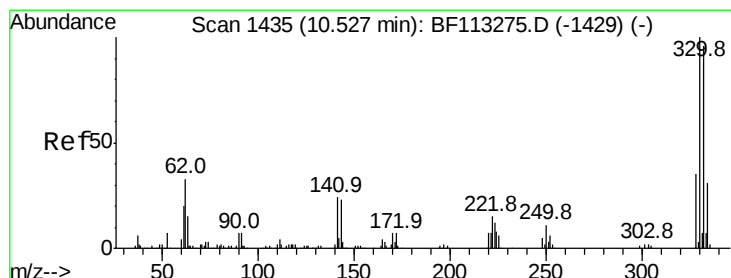
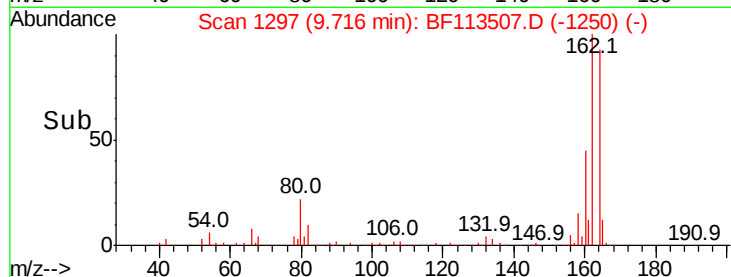
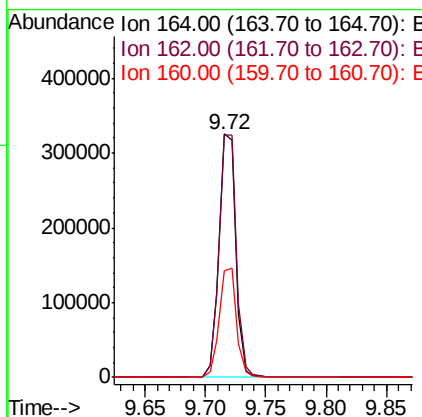
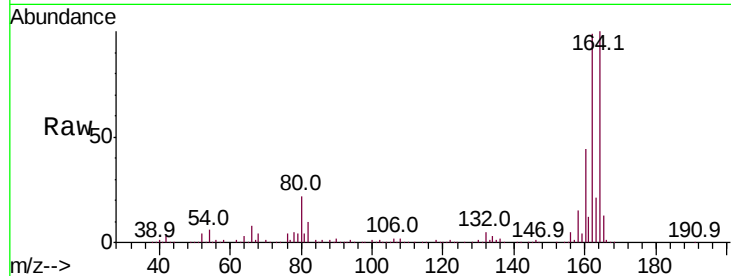
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF113507.D
Acq: 2 Apr 2019 15:56

Instrument :
BNA_F
ClientSampleId :
CS-4

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.5	81.8	122.6	
160	44.1	36.4	54.6	

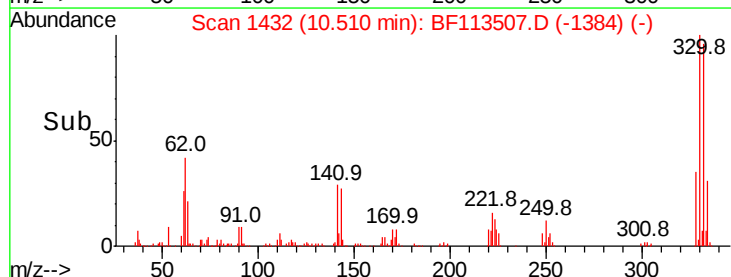
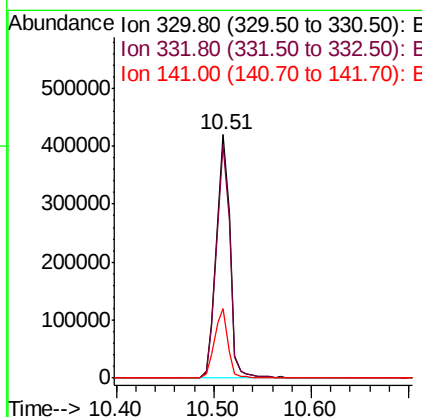
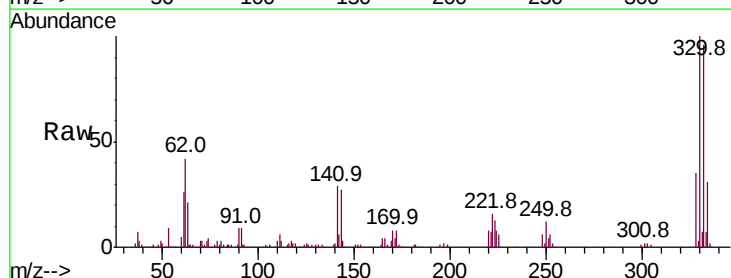
Manual Integrations
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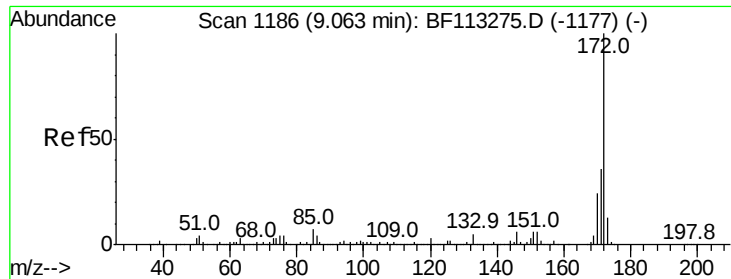
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#42
2,4,6-Tribromophenol
Concen: 107.994 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.02 min
Lab File: BF113507.D
Acq: 2 Apr 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	77.8	116.6	
141	27.5	22.7	34.1	





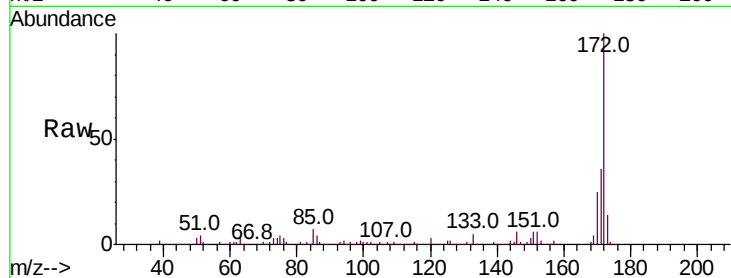
#45
2-Fluorobiphenyl
Concen: 66.105 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF113507.D
Acq: 2 Apr 2019 15:56

Instrument :
BNA_F
ClientSampleId :
CS-4

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	24.6	19.5	29.3

Manual Integrations
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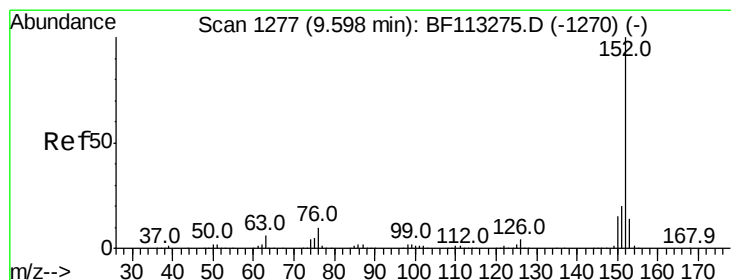
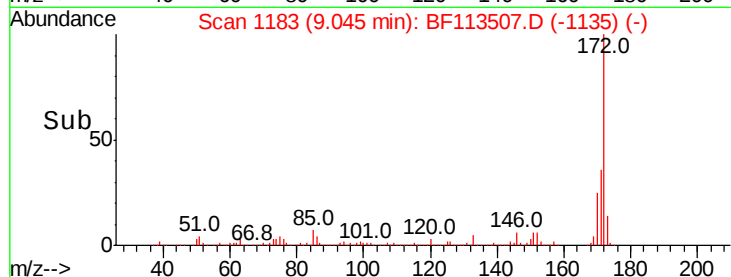
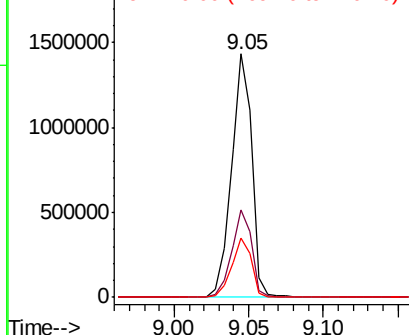


Abundance

Ion 172.00 (171.70 to 172.70): E

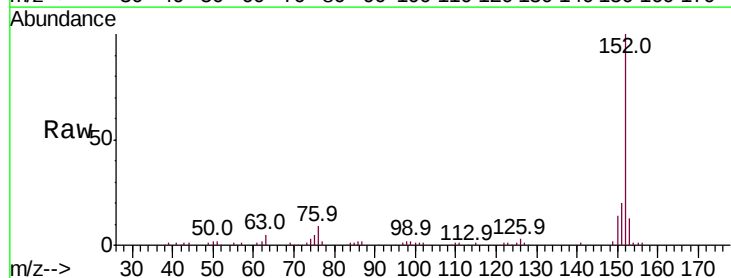
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Acenaphthylene
Concen: 2.320 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF113507.D
Acq: 2 Apr 2019 15:56

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.4
153	13.3	11.0	16.6

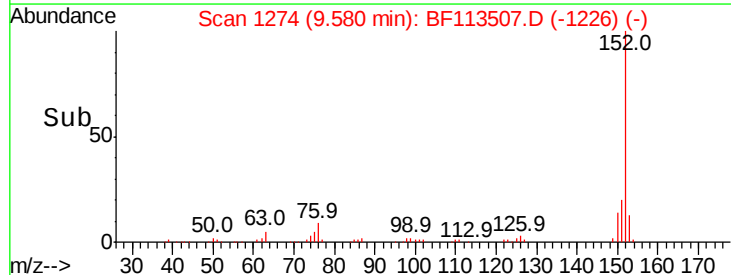
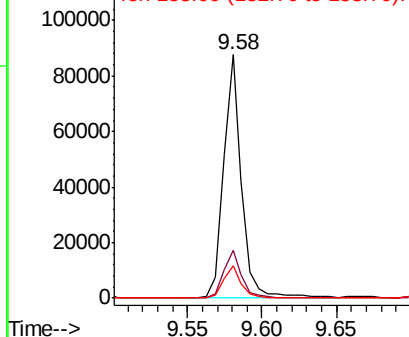


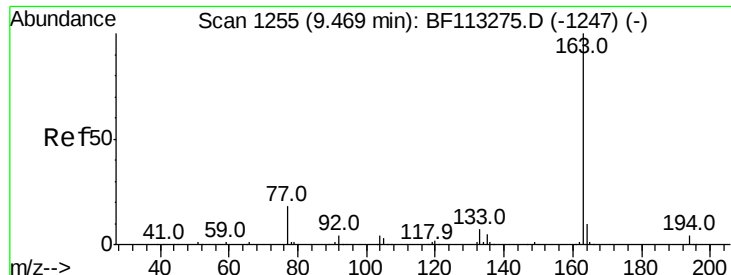
Abundance

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





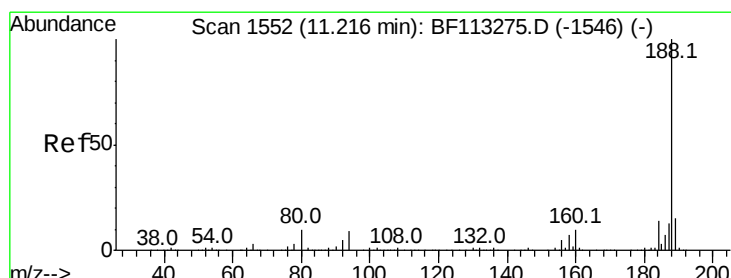
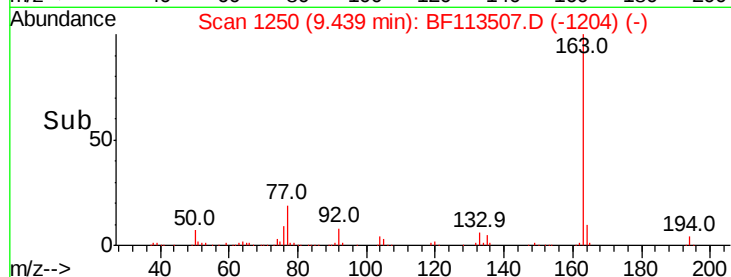
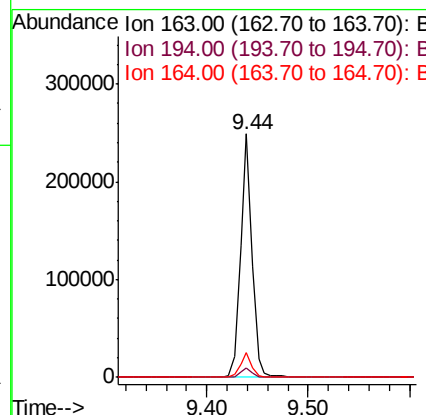
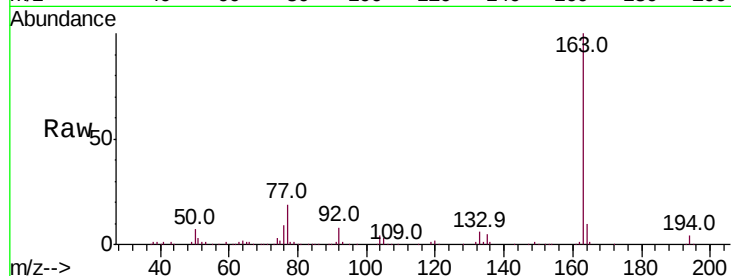
#50
Dimethylphthalate
Concen: 8.541 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.03 min
Lab File: BF113507.D
Acq: 2 Apr 2019 15:56

Instrument :
BNA_F
ClientSampleId :
CS-4

Tot Ion	Ratio	Resp	Lower	Upper
163	100	195396		
194	4.0		3.0	4.6
164	10.2		8.1	12.1

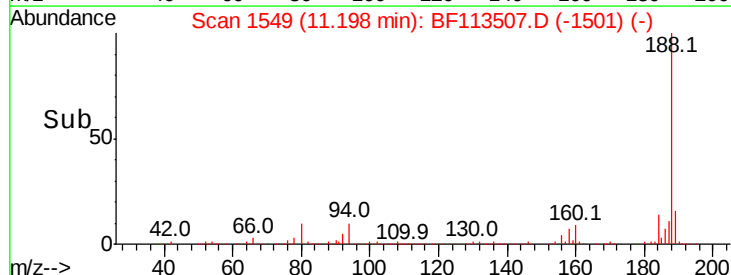
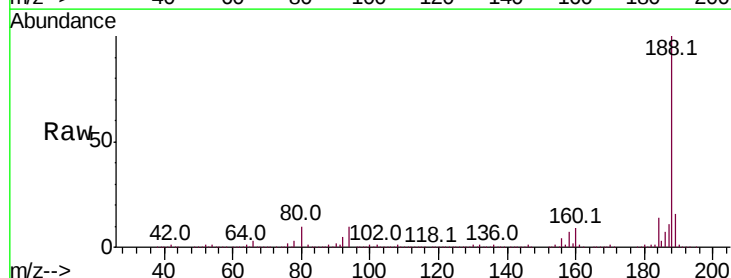
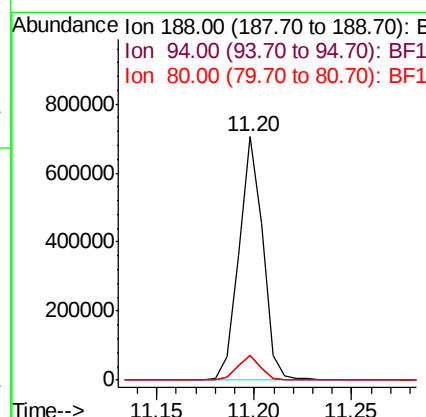
Manual Integrations
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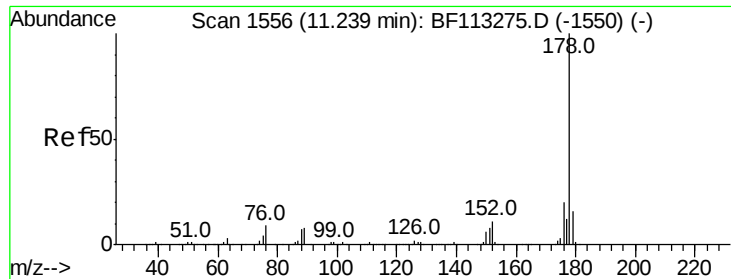
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.02 min
Lab File: BF113507.D
Acq: 2 Apr 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	596054		
94	9.9		7.0	10.6
80	10.1		7.7	11.5





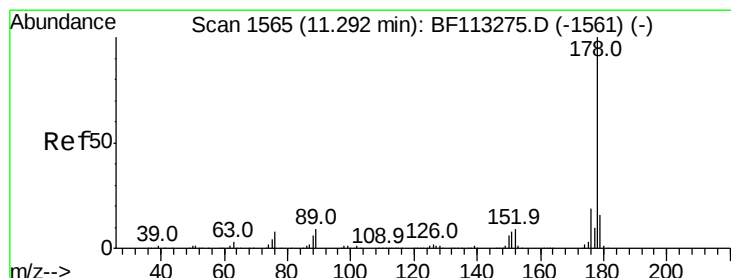
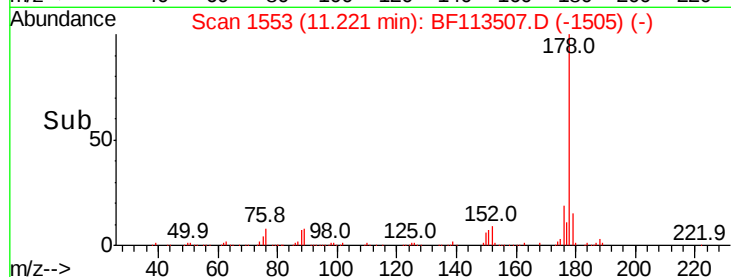
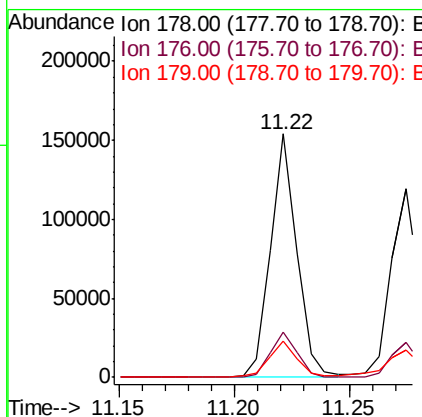
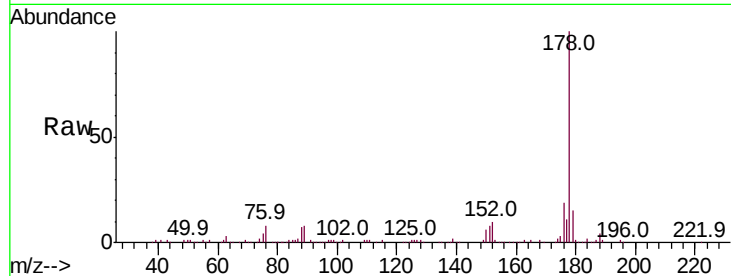
#71
Phenanthrene
Concen: 4.113 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BF113507.D
Acq: 2 Apr 2019 15:56

Instrument :
BNA_F
ClientSampleId :
CS-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.2
179	14.8	12.7	19.1

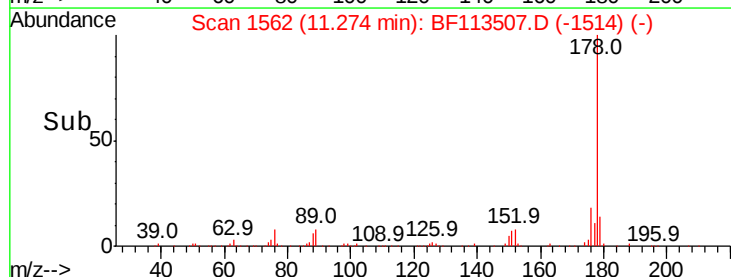
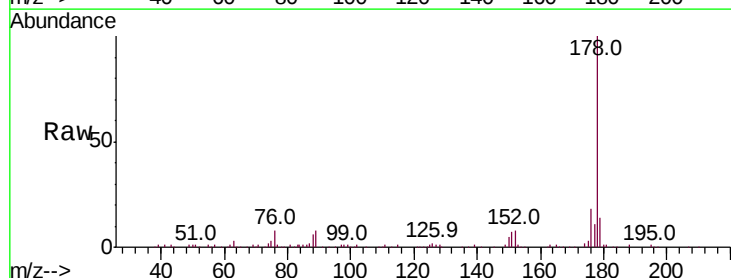
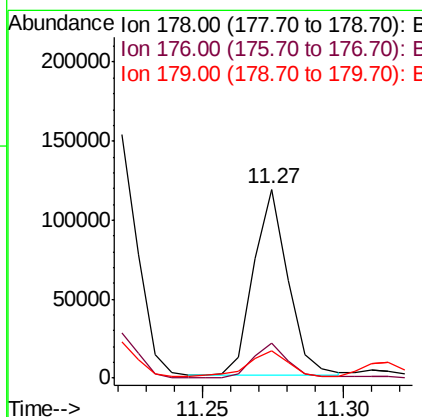
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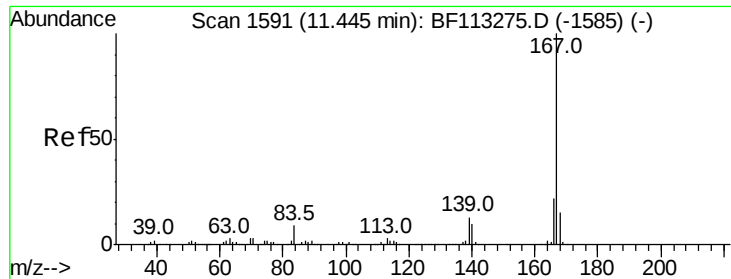
sohil
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#72
Anthracene
Concen: 3.345 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF113507.D
Acq: 2 Apr 2019 15:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	14.5	12.8	19.2





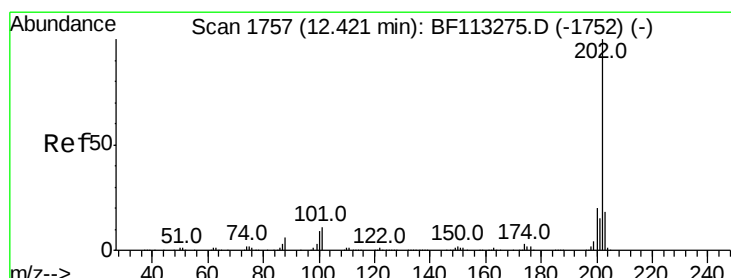
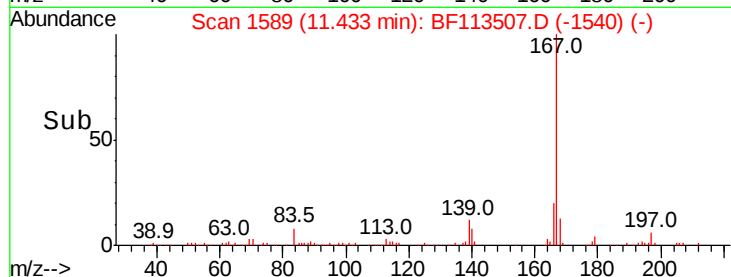
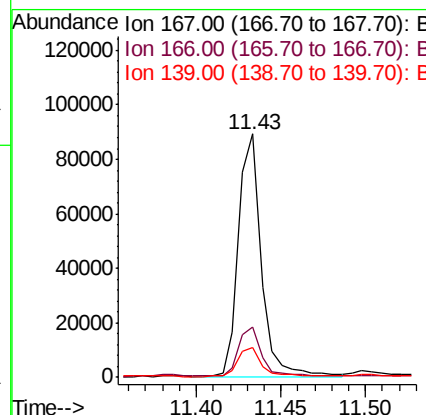
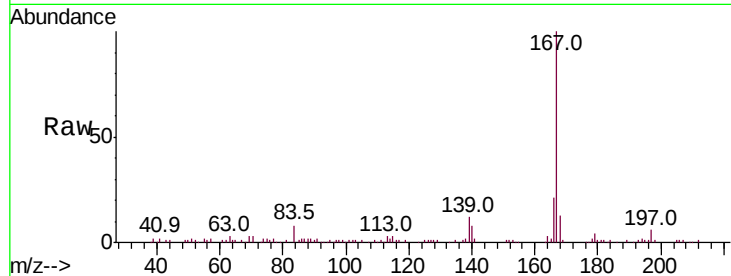
#73
 Carbazole
 Concen: 2.918 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF113507.D
 Acq: 2 Apr 2019 15:56

Instrument :
 BNA_F
 ClientSampleId :
 CS-4

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.4	26.0
139	12.2	10.4	15.6

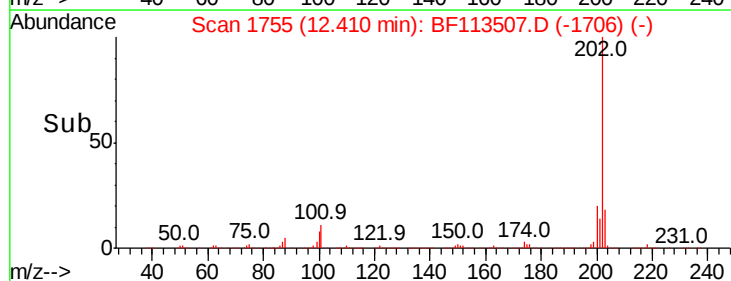
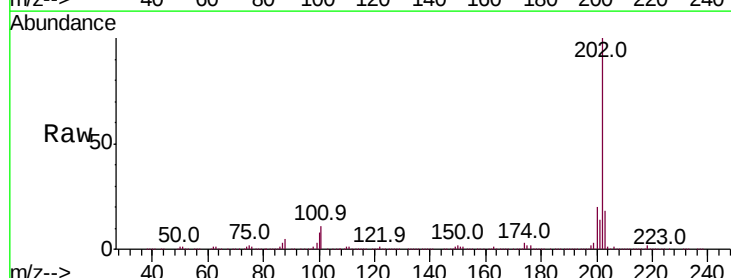
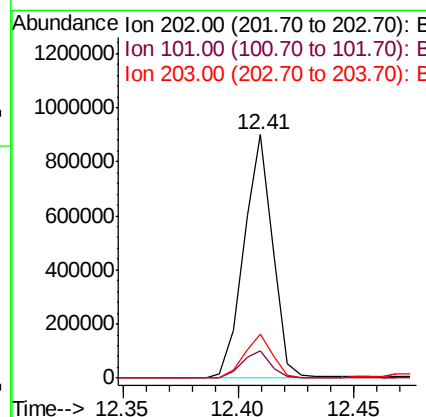
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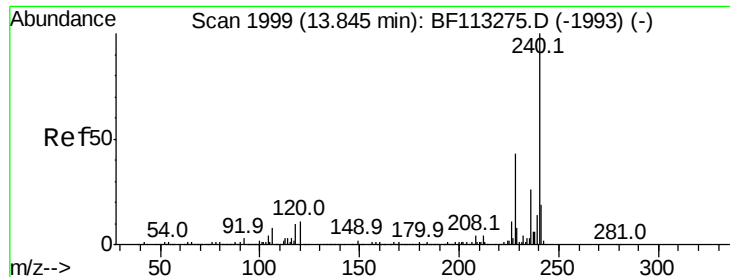
sohil
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#75
 Fluoranthene
 Concen: 23.305 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: BF113507.D
 Acq: 2 Apr 2019 15:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.4
203	18.0	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: BF113507.D

Acq: 2 Apr 2019 15:56

Instrument :

BNA_F

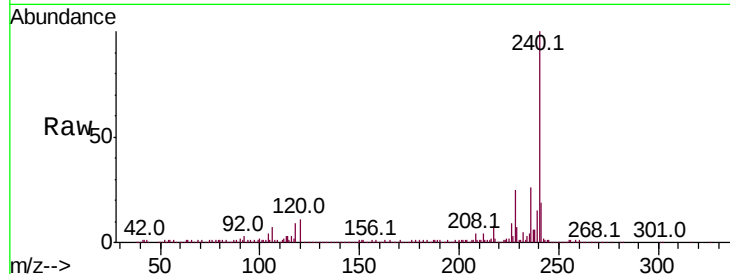
ClientSampled :

CS-4

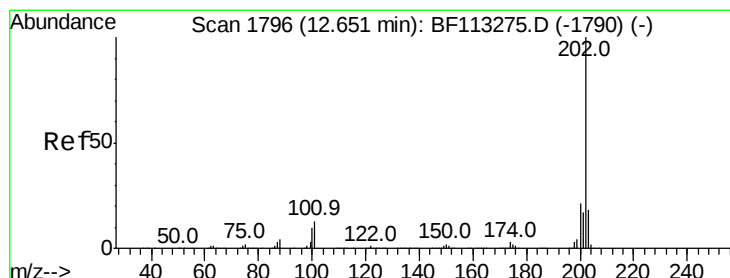
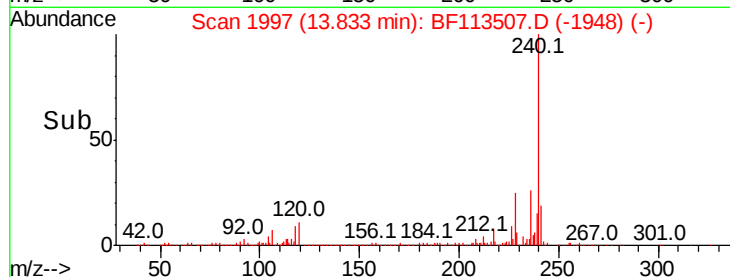
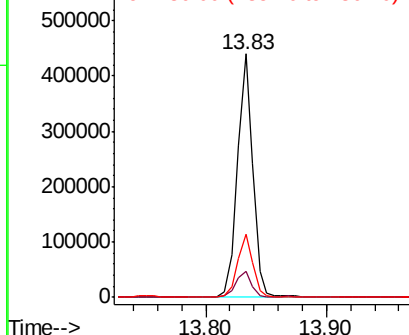
Tot Ion:	240	Resp:	391827
Ion Ratio	Lower	Upper	
240	100		
120	10.8	8.8	13.2
236	26.1	20.9	31.3

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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: 28.886 ng

RT: 12.64 min Scan# 1794

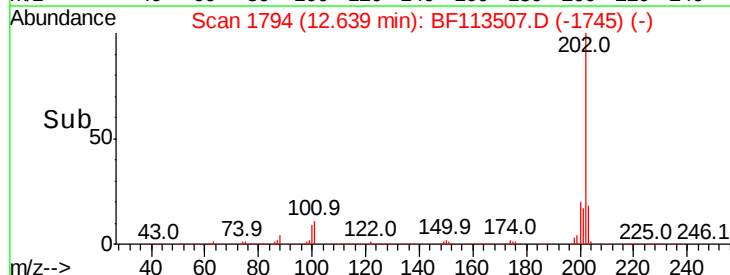
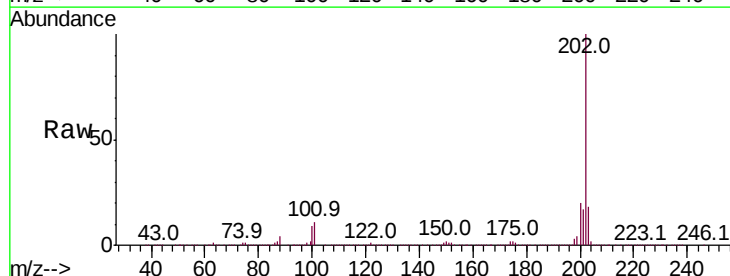
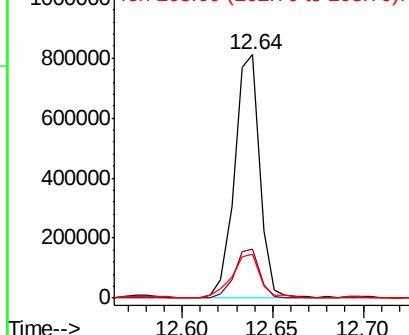
Delta R.T. -0.01 min

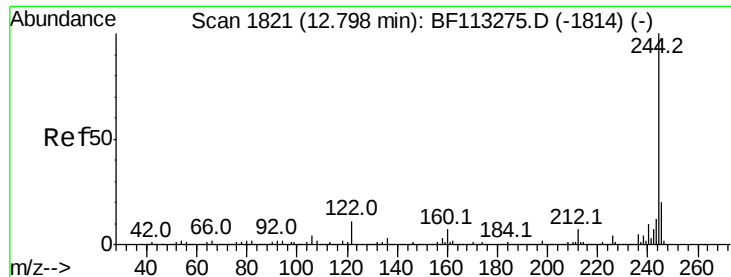
Lab File: BF113507.D

Acq: 2 Apr 2019 15:56

Tgt Ion:	202	Resp:	784327
Ion Ratio	Lower	Upper	
202	100		
200	20.3	16.8	25.2
203	17.8	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: 69.895 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF113507.D

Acq: 2 Apr 2019 15:56

Instrument :

BNA_F

ClientSampleId :

CS-4

Tot Ion:244 Resp: 1242495

Ion Ratio Lower Upper

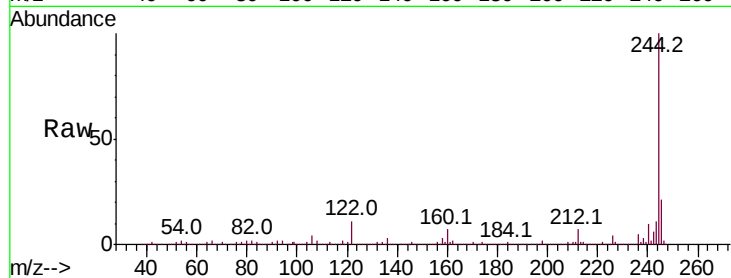
244 100

212 6.6 5.5 8.3

122 11.3 8.6 13.0

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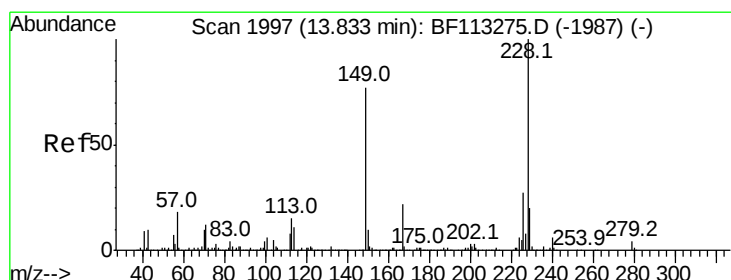
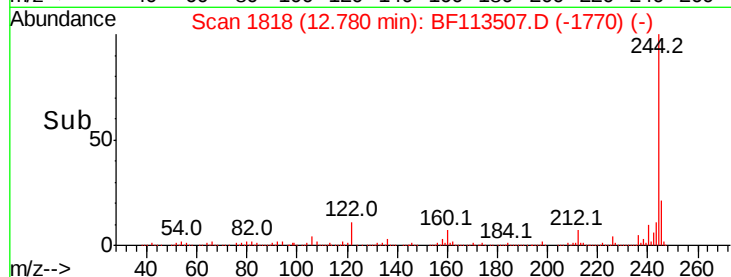
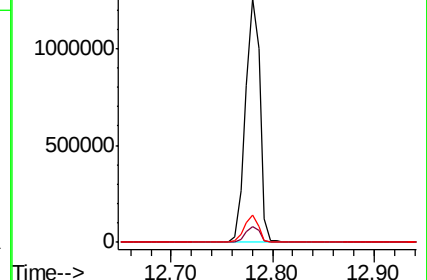
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 17.856 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF113507.D

Acq: 2 Apr 2019 15:56

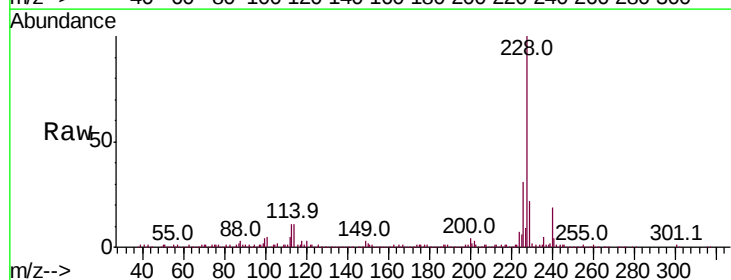
Tgt Ion:228 Resp: 400494

Ion Ratio Lower Upper

228 100

226 30.8 21.8 32.8

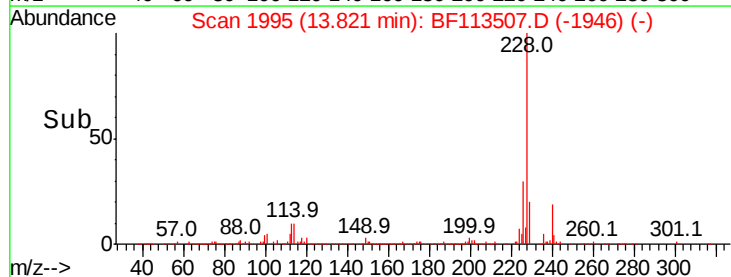
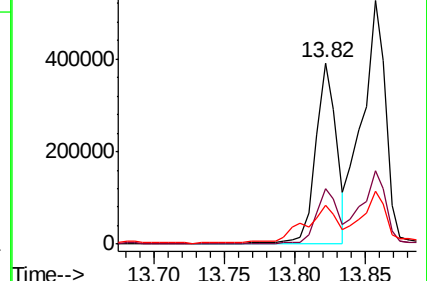
229 21.6 16.2 24.4

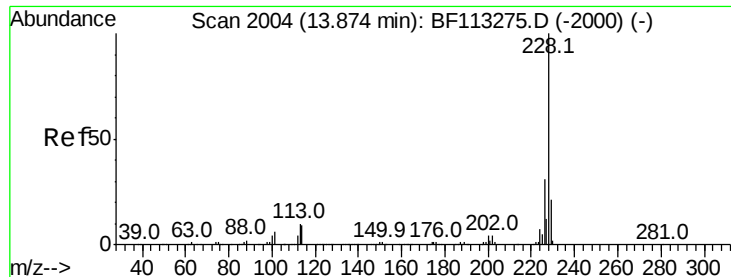


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





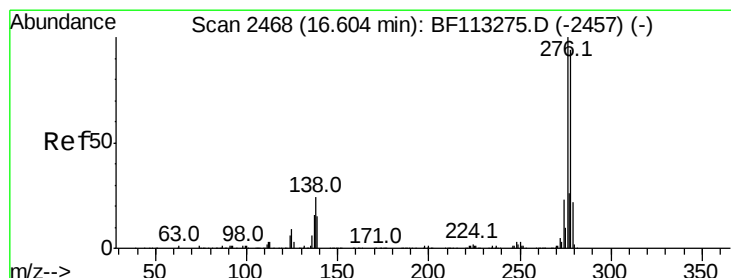
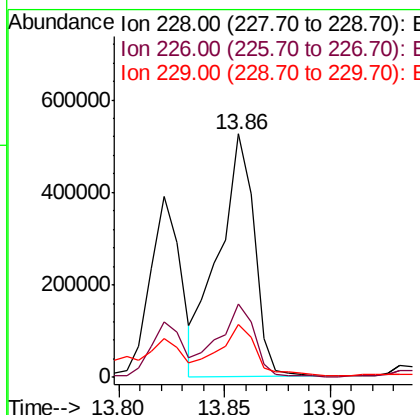
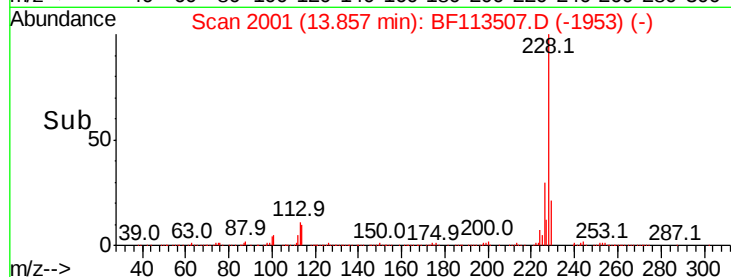
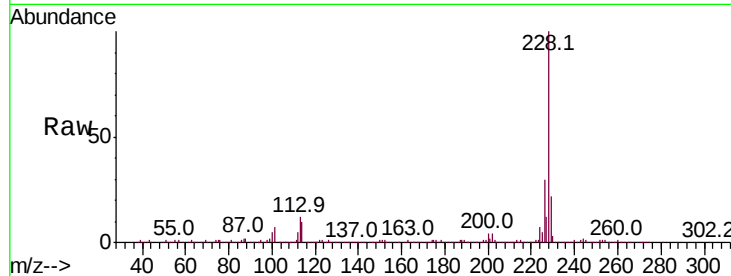
#83
Chrysene
Concen: 26.749 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.02 min
Lab File: BF113507.D
Acq: 2 Apr 2019 15:56

Instrument :
BNA_F
ClientSampleId :
CS-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.3	36.5
229	22.0	16.3	24.5

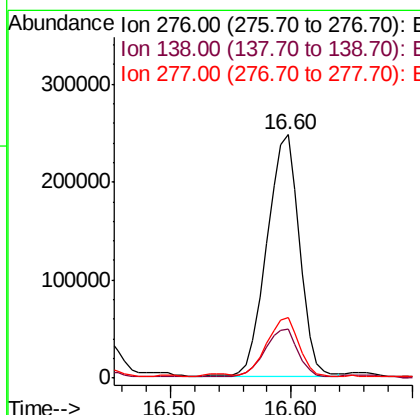
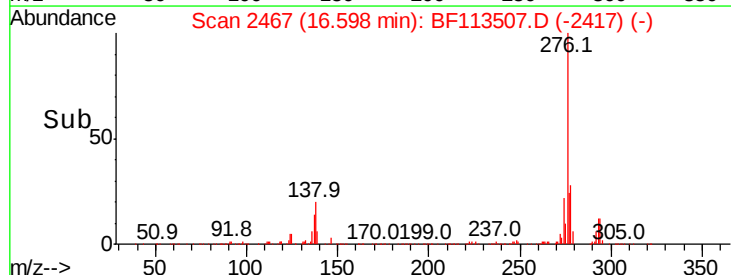
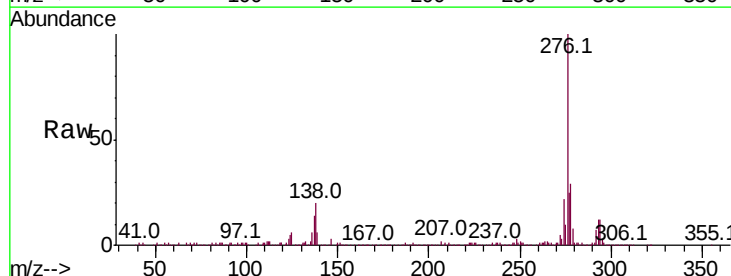
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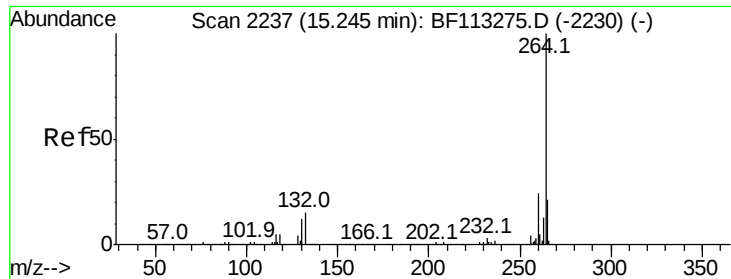
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#86
Indeno(1,2,3-cd)pyrene
Concen: 23.688 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BF113507.D
Acq: 2 Apr 2019 15:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	18.1	27.1
277	23.6	20.2	30.4





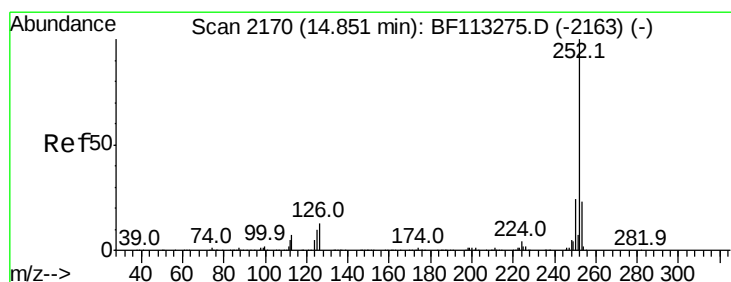
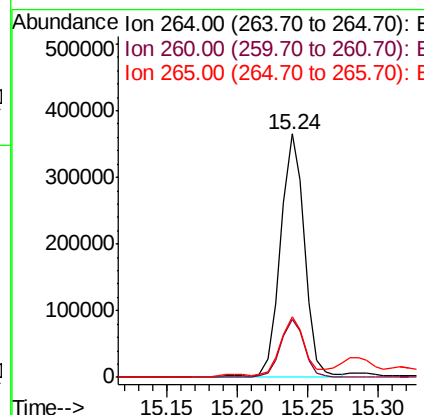
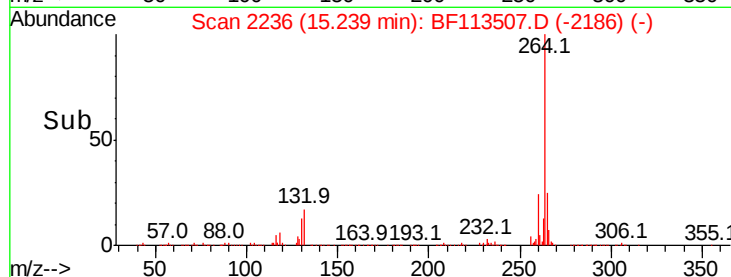
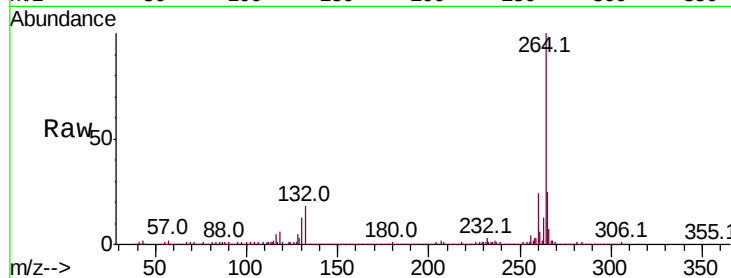
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.01 min
 Lab File: BF113507.D
 Acq: 2 Apr 2019 15:56

Instrument :
 BNA_F
 ClientSampled :
 CS-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	24.9	17.1	25.7

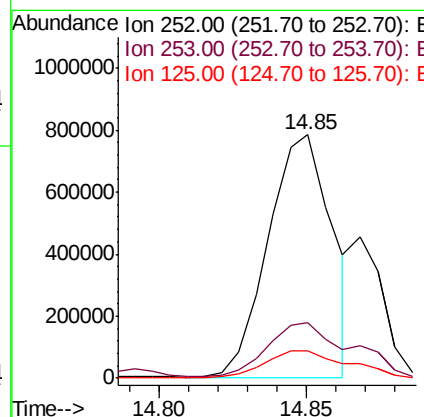
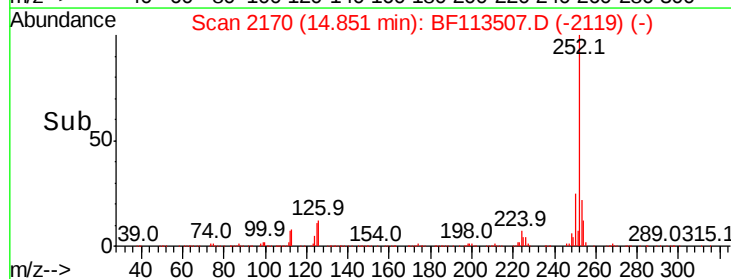
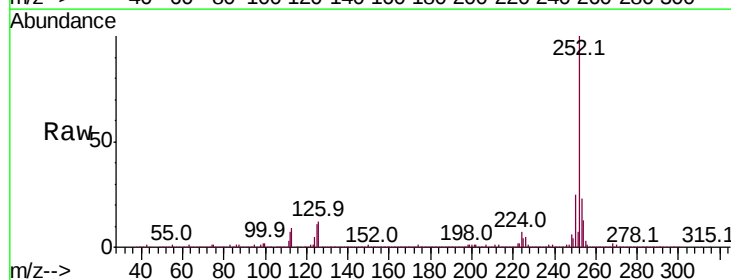
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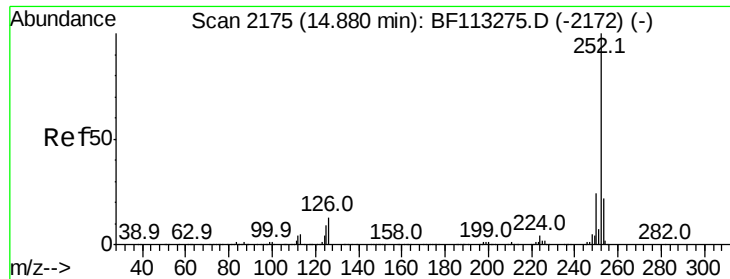
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#88
 Benzo(b)fluoranthene
 Concen: 44.396 ng m
 RT: 14.85 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: BF113507.D
 Acq: 2 Apr 2019 15:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	11.4	7.6	11.4





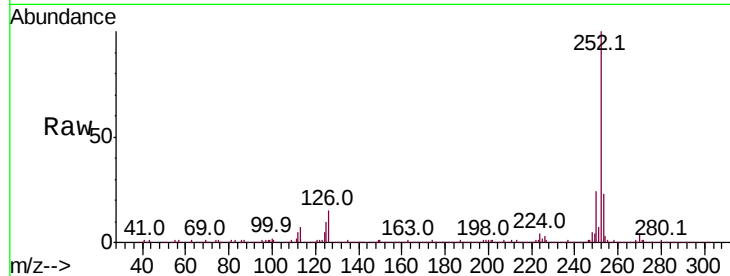
#89
Benzo(k)fluoranthene
Concen: 14.047 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113507.D
Acq: 2 Apr 2019 15:56

Instrument :
BNA_F
ClientSampleId :
CS-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	10.4	7.3	10.9

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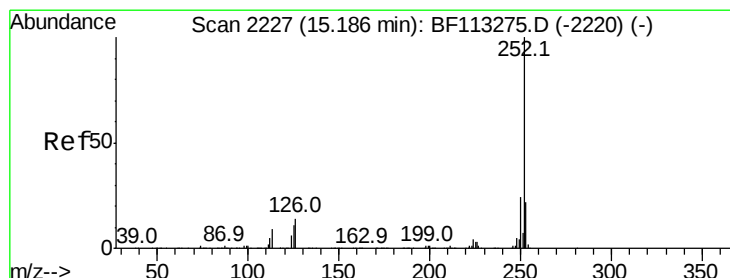
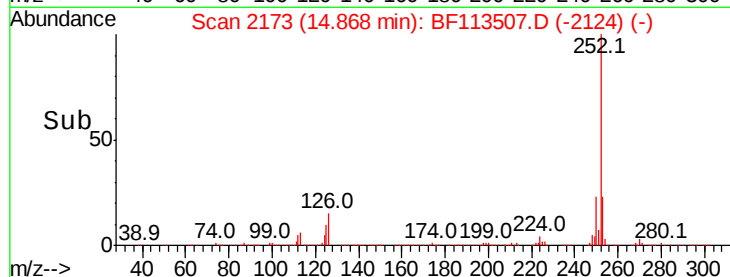
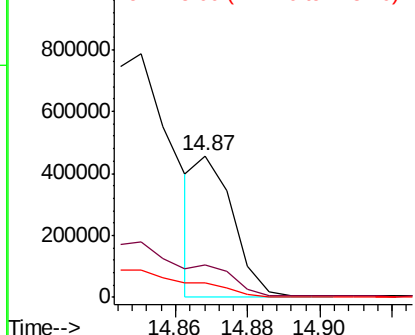


Abundance

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



#90
Benzo(a)pyrene
Concen: 20.670 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113507.D
Acq: 2 Apr 2019 15:56

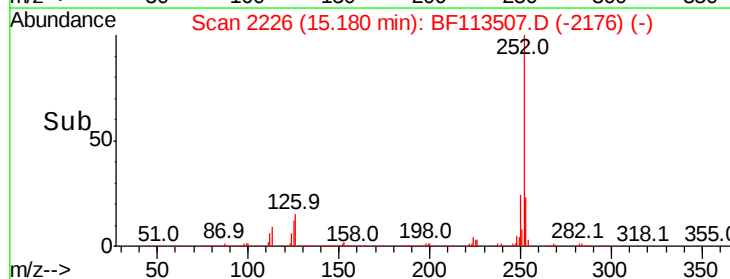
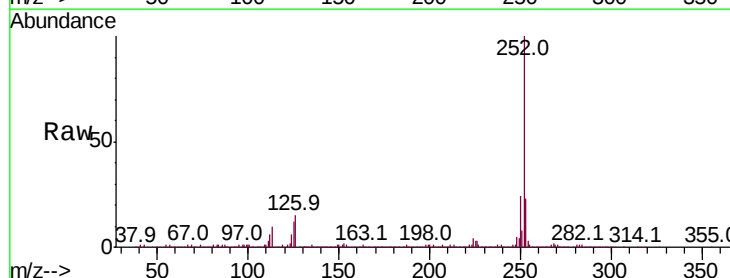
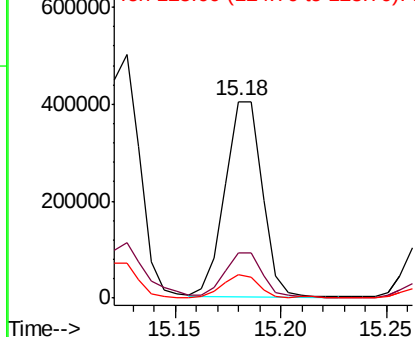
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	12.1	8.8	13.2

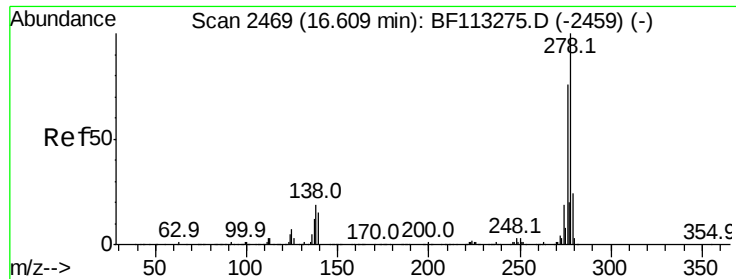
Abundance

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





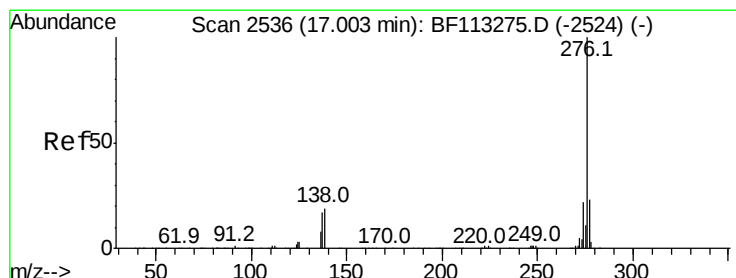
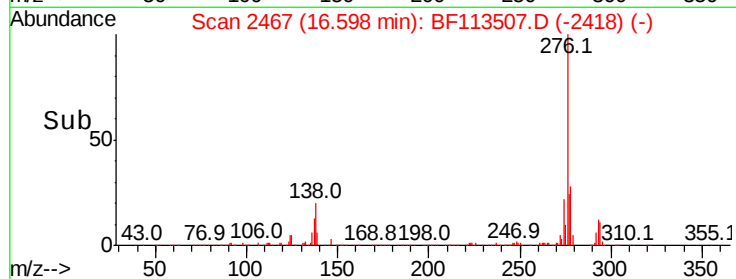
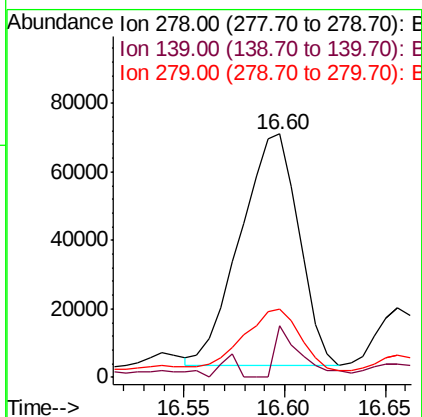
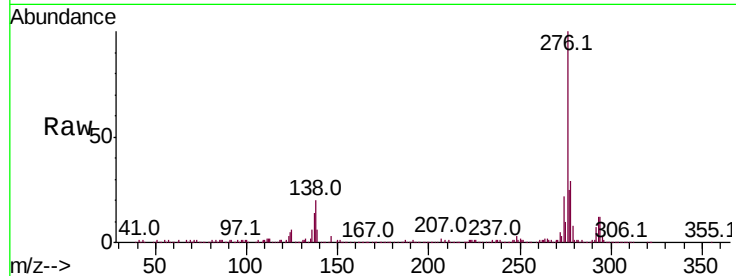
#91
Dibenzo(a,h)anthracene
Concen: 6.660 ng/mL
RT: 16.60 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BF113507.D
Acq: 2 Apr 2019 15:56

Instrument :
BNA_F
ClientSampleId :
CS-4

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.2	12.0	18.0
279	28.3	19.0	28.6

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#92
Benzo(g,h,i)perylene
Concen: 19.701 ng/mL
RT: 17.00 min Scan# 2536
Delta R.T. -0.00 min
Lab File: BF113507.D
Acq: 2 Apr 2019 15:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.8	28.2
138	20.7	15.6	23.4

