

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032719\
 Data File : BF113335.D
 Acq On : 27 Mar 2019 17:16
 Operator : JU/SJ
 Sample : K2086-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-15

Manual Integrations
 APPROVED

Sohil
 3/28/2019 8:42:01 AM

Quant Time: Mar 28 04:05:36 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	6.70	152	179901	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	679529	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	325483	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	618767	20.00	ng	0.00
76) Chrysene-d12	13.84	240	425112	20.00	ng	0.00
87) Perylene-d12	15.24	264	460229	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1044788	94.96	ng	0.00
7) Phenol-d6	6.35	99	1372494	98.61	ng	0.00
23) Nitrobenzene-d5	7.26	82	836126	73.03	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	370971	92.27	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1525128	70.42	ng	0.00
79) Terphenyl-d14	12.79	244	1427599	74.02	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.36	94	57263	3.604	ng	# 68
49) Acenaphthylene	9.59	152	88169	2.605	ng	99
50) Dimethylphthalate	9.45	163	131468	5.450	ng	99
71) Phenanthrene	11.23	178	425644	13.852	ng	98
72) Anthracene	11.29	178	228478	7.320	ng	98
73) Carbazole	11.44	167	142530	4.786	ng	99
75) Fluoranthene	12.42	202	1876505	54.019	ng	98
78) Pyrene	12.65	202	1628876	55.293	ng	99
81) Benzo(a)anthracene	13.83	228	427460	17.566	ng	96
83) Chrysene	13.87	228	977721	39.557	ng	99
86) Indeno(1,2,3-cd)pyrene	16.59	276	200050	9.431	ng	98
88) Benzo(b)fluoranthene	14.85	252	955074m	33.407	ng	
89) Benzo(k)fluoranthene	14.87	252	290097m	11.555	ng	
90) Benzo(a)pyrene	15.18	252	256399	10.116	ng	96
91) Dibenzo(a,h)anthracene	16.59	278	53888	2.459	ng	# 80
92) Benzo(g,h,i)perylene	16.99	276	181750	8.225	ng	99

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

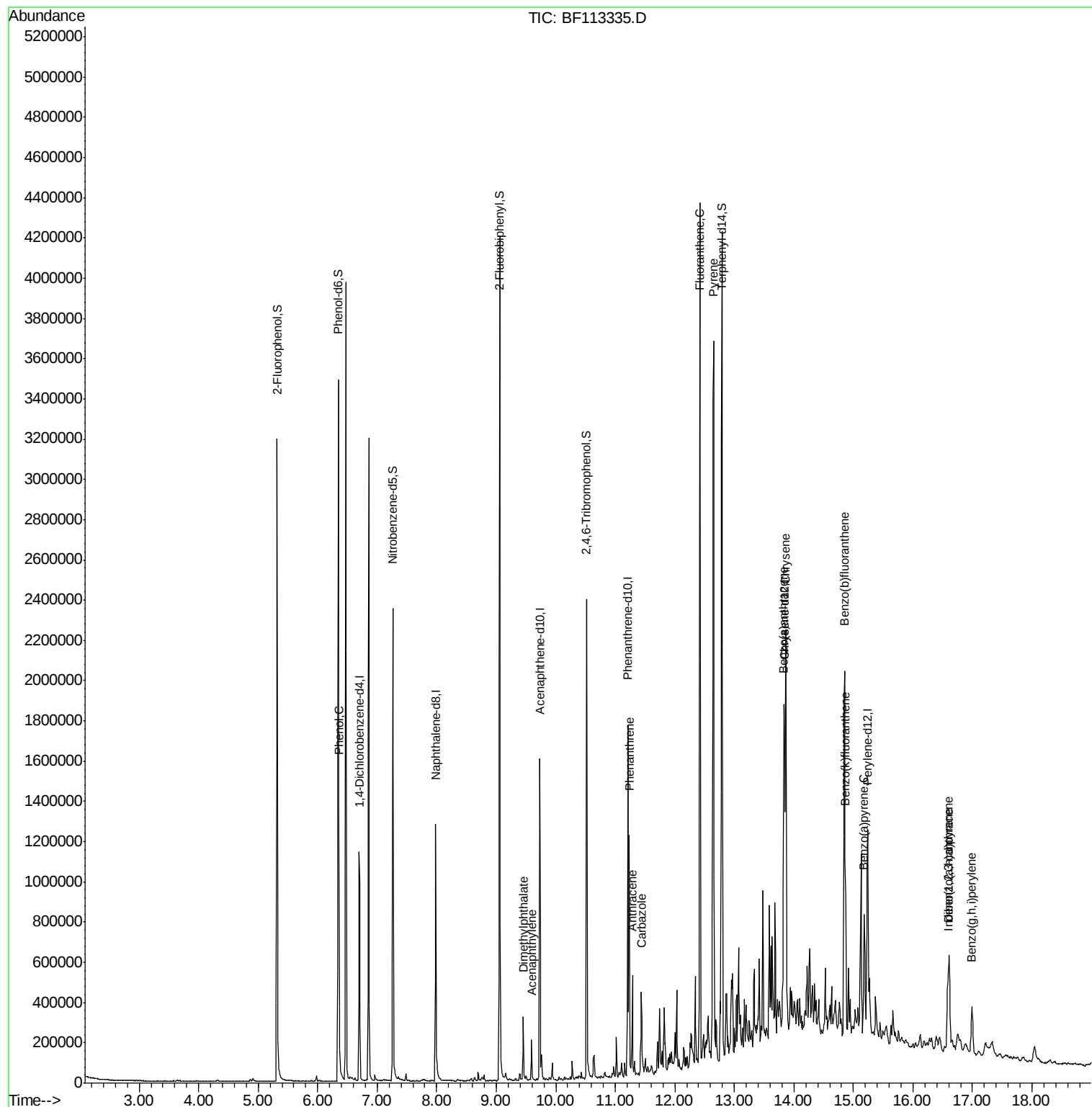
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032719\
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ALS Vial : 14 Sample Multiplier: 1

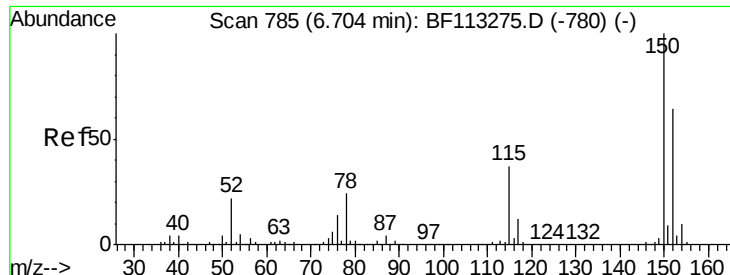
Instrument :
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CS-15

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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

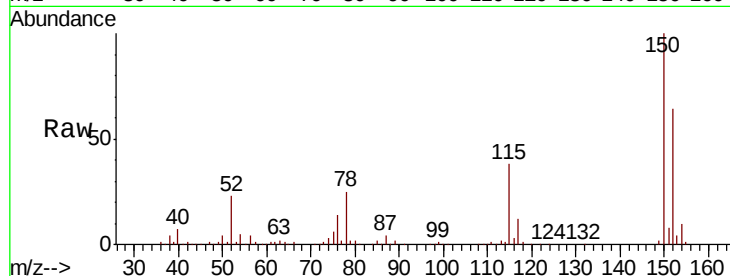
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF113335.D
Acq: 27 Mar 2019 17:16

Instrument :
BNA_F
ClientSampleId :
CS-15

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.7	187.1
115	59.0	46.0	69.0

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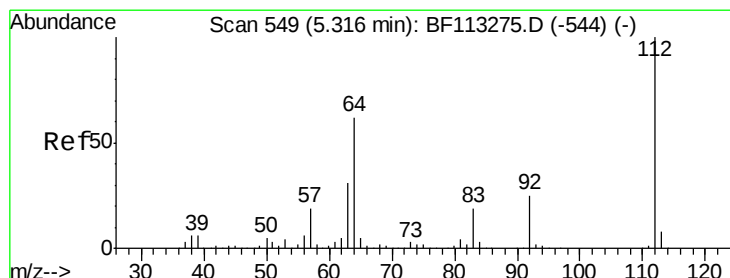
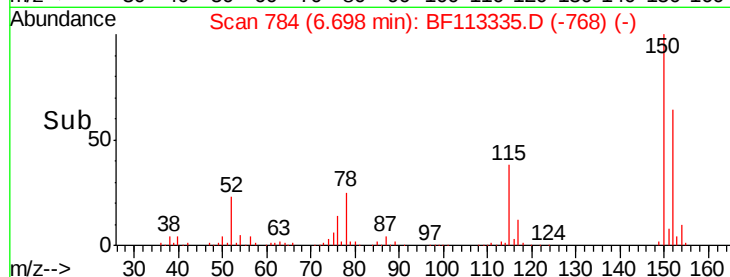
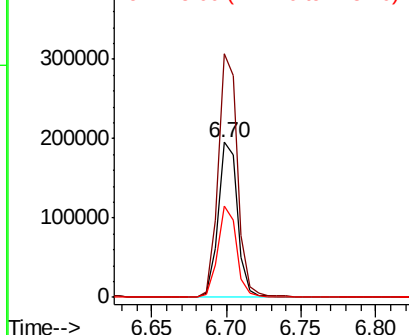


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

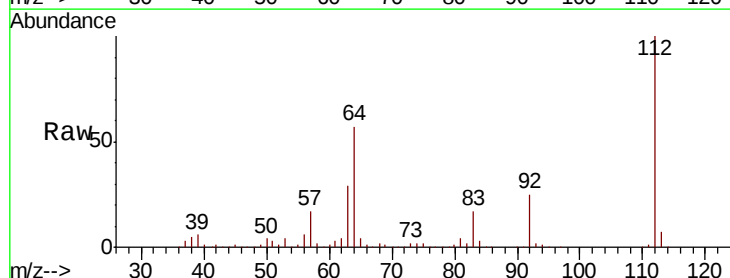
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.961 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113335.D
Acq: 27 Mar 2019 17:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	49.2	73.8
63	28.8	24.9	37.3

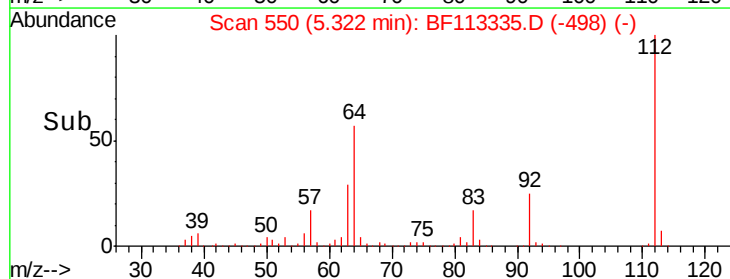
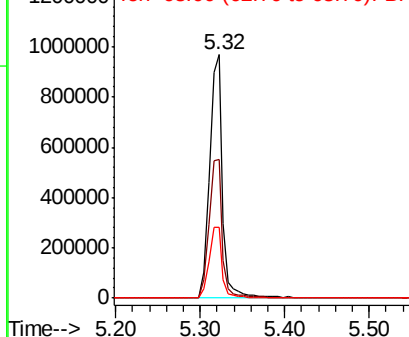


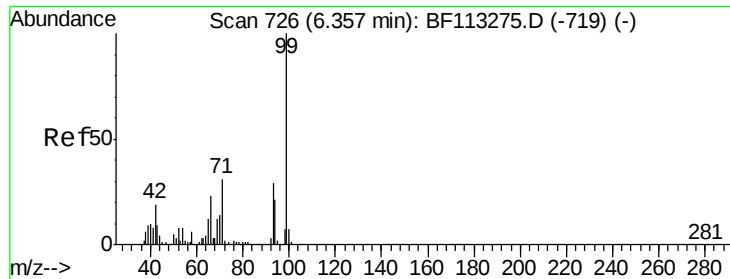
Abundance

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: 98.609 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113335.D

Acq: 27 Mar 2019 17:16

Instrument :

BNA_F

ClientSampleId :

CS-15

Tot Ion: 99 Resp: 1372494

Ion Ratio Lower Upper

99 100

42 18.0 14.8 22.2

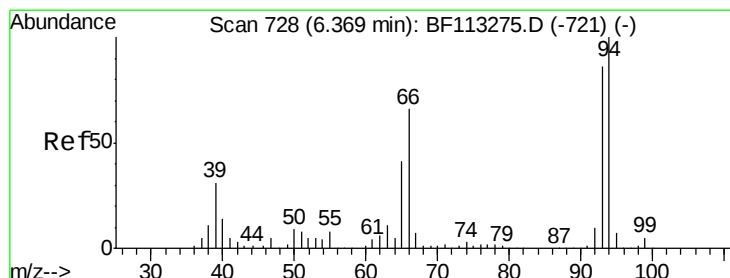
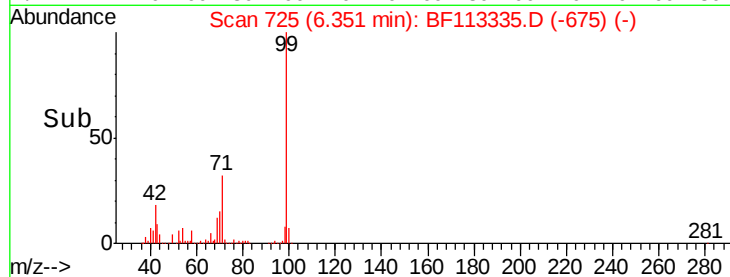
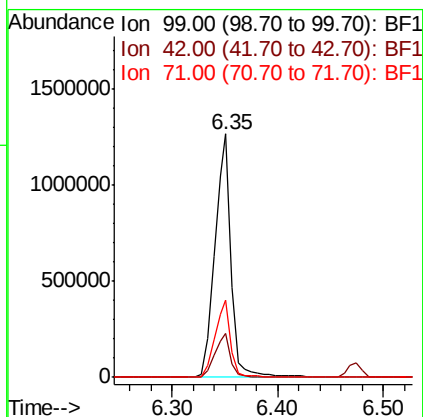
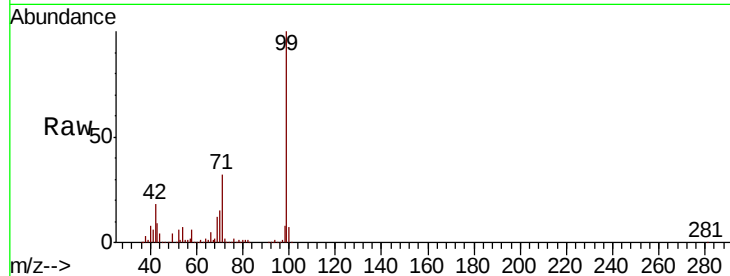
71 31.8 24.9 37.3

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#10

Phenol

Concen: 3.604 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113335.D

Acq: 27 Mar 2019 17:16

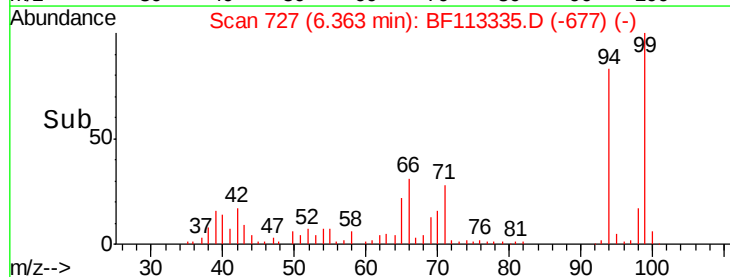
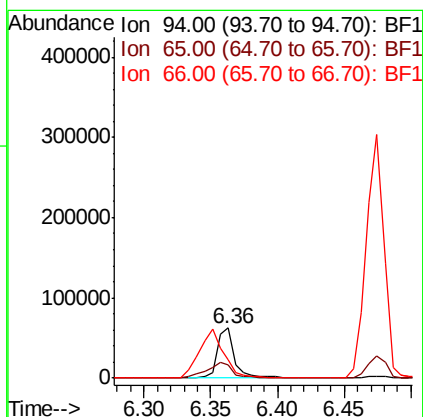
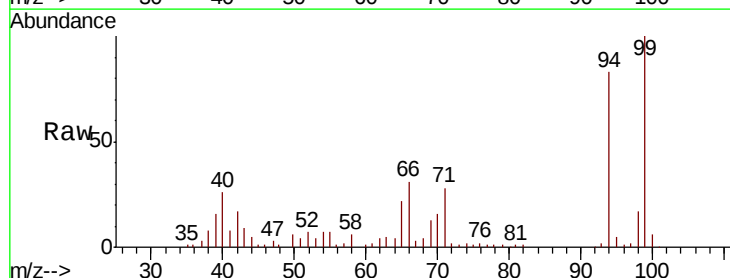
Tgt Ion: 94 Resp: 57263

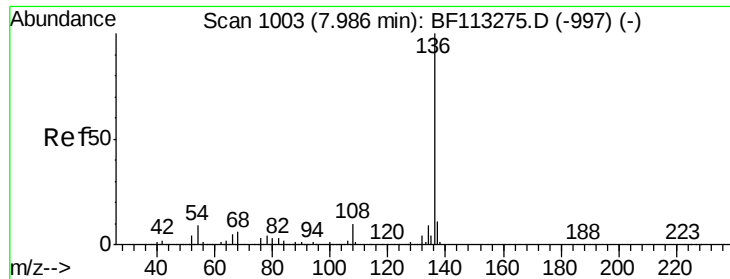
Ion Ratio Lower Upper

94 100

65 26.4 21.4 61.4

66 37.2 46.4 86.4#





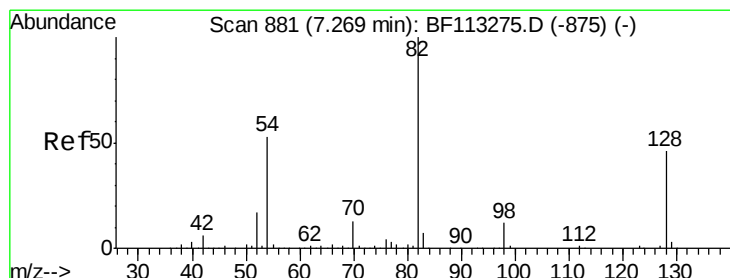
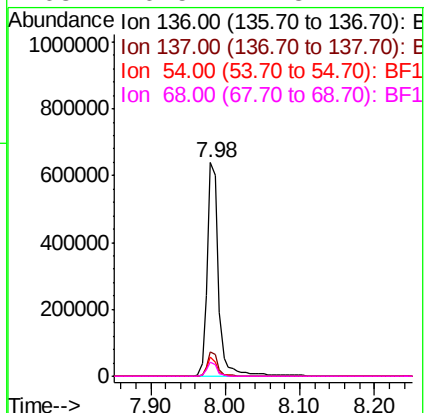
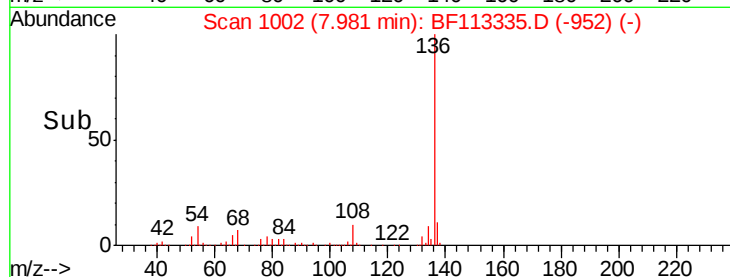
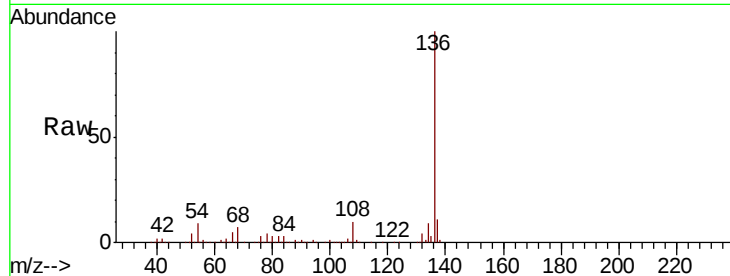
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF113335.D
Acq: 27 Mar 2019 17:16

Instrument :
BNA_F
ClientSampleId :
CS-15

Tot Ion	Ratio	Resp	Lower	Upper
136	100	679529		
137	11.3		8.9	13.3
54	8.9		7.0	10.6
68	6.5		4.8	7.2

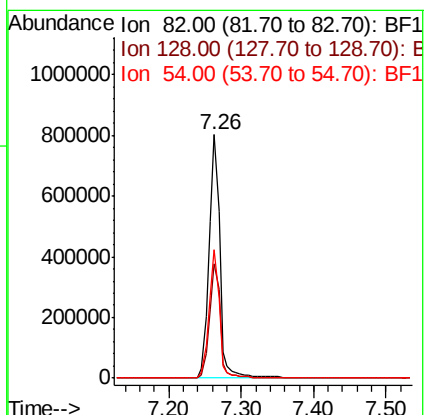
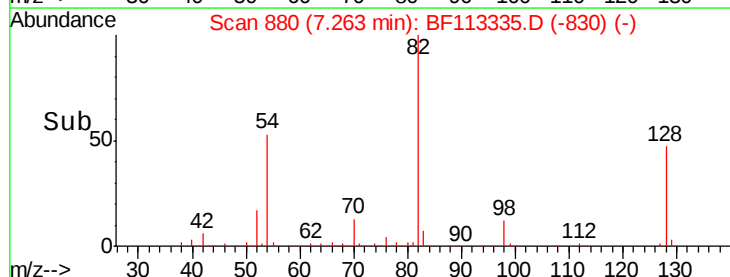
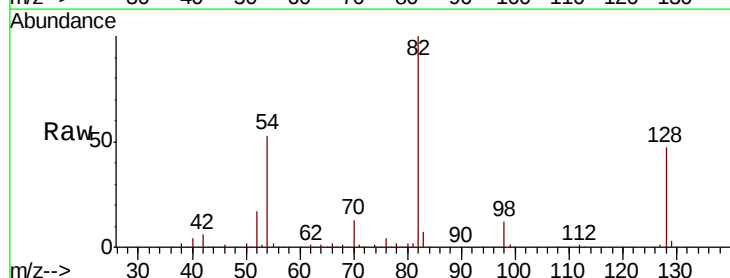
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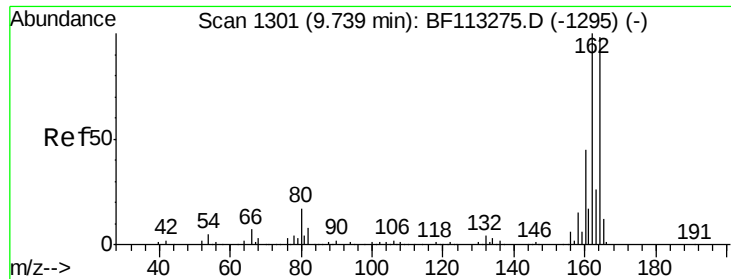
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#23
Nitrobenzene-d5
Concen: 73.032 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF113335.D
Acq: 27 Mar 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	836126		
128	47.0		36.5	54.7
54	52.6		42.2	63.2





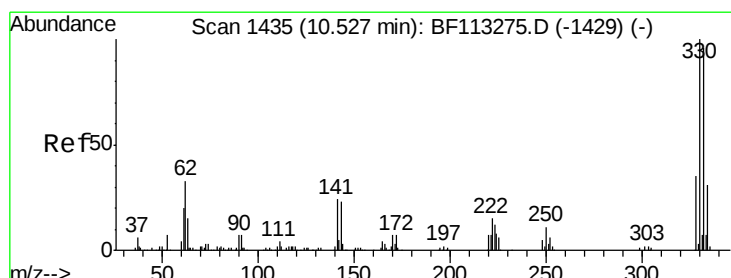
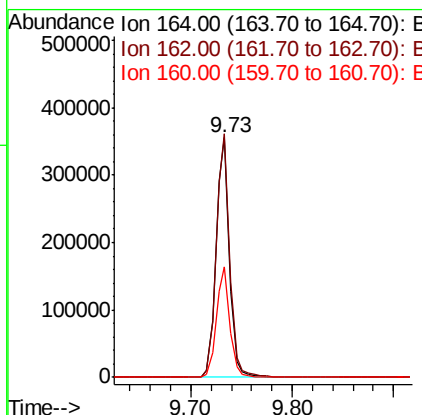
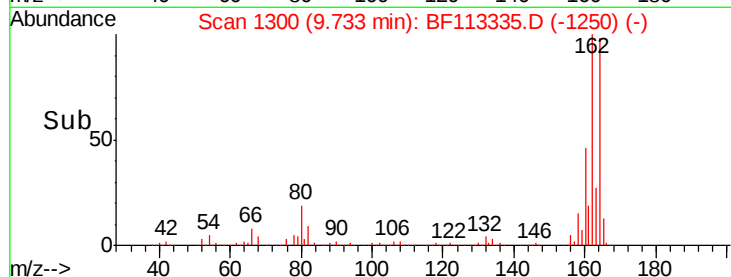
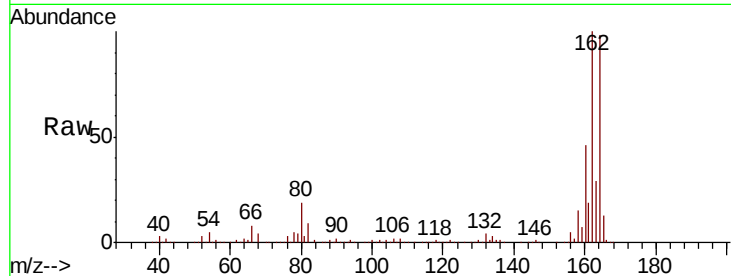
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF113335.D
 Acq: 27 Mar 2019 17:16

Instrument :
 BNA_F
 ClientSampled :
 CS-15

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.7	81.8	122.6	
160	46.4	36.4	54.6	

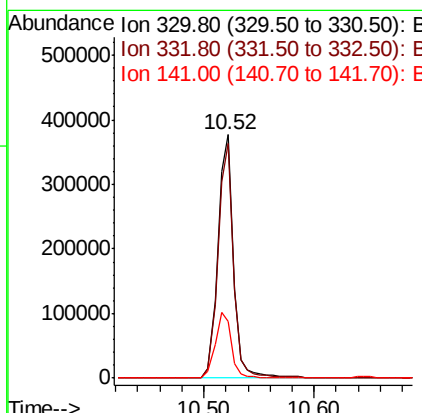
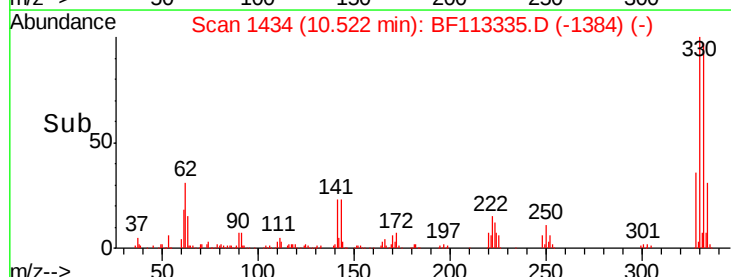
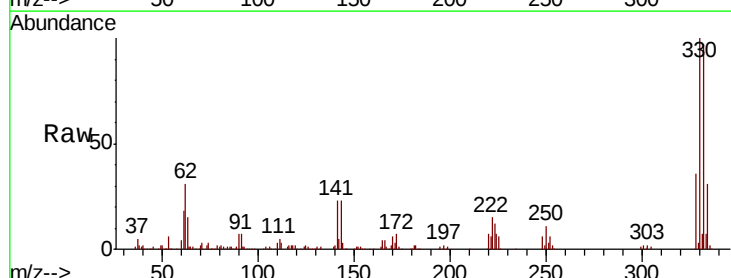
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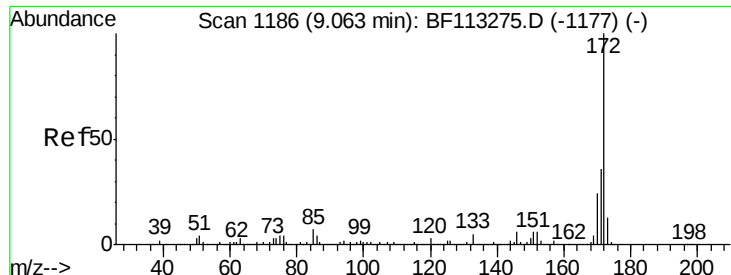
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#42
 2,4,6-Tribromophenol
 Concen: 92.271 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113335.D
 Acq: 27 Mar 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.2	77.8	116.6	
141	28.2	22.7	34.1	





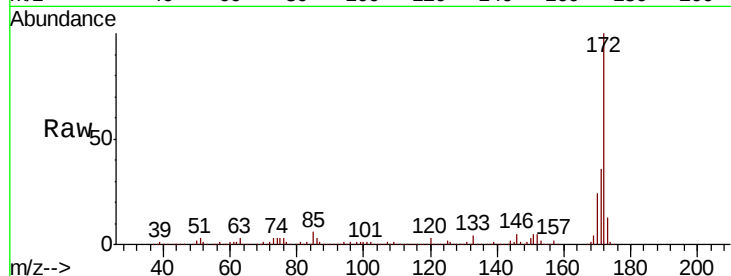
#45
2-Fluorobiphenyl
Concen: 70.416 ng
RT: 9.06 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF113335.D
Acq: 27 Mar 2019 17:16

Instrument :
BNA_F
ClientSampled :
CS-15

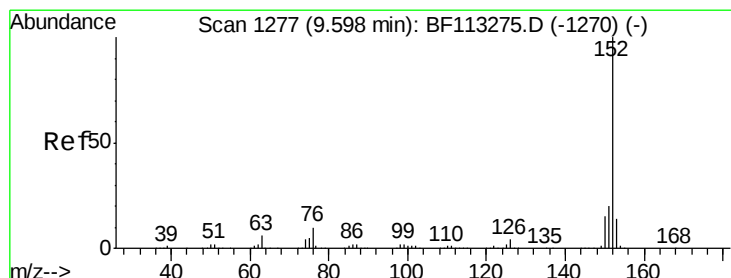
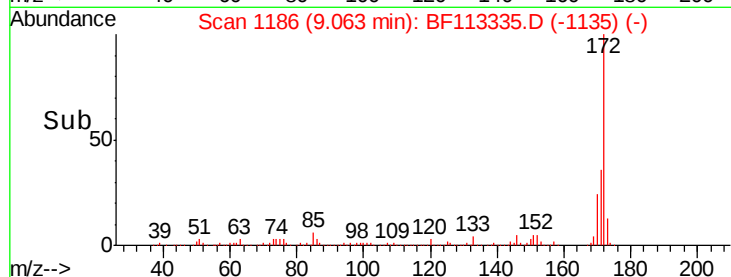
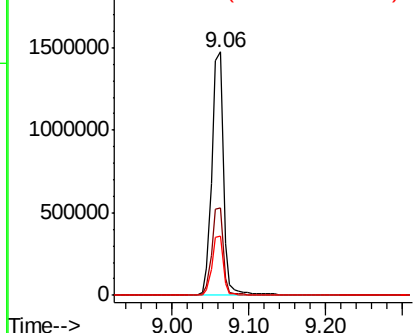
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	24.4	19.5	29.3

Manual Integrations
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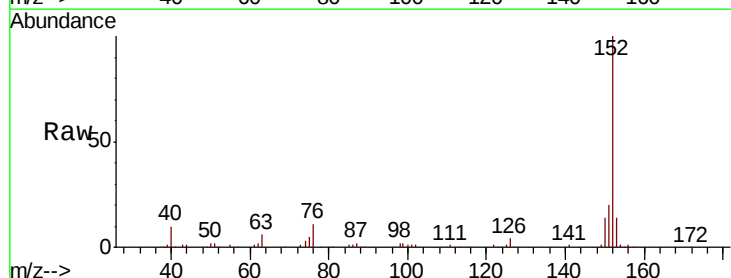


Abundance Ion 172.00 (171.70 to 172.70): E
2000000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

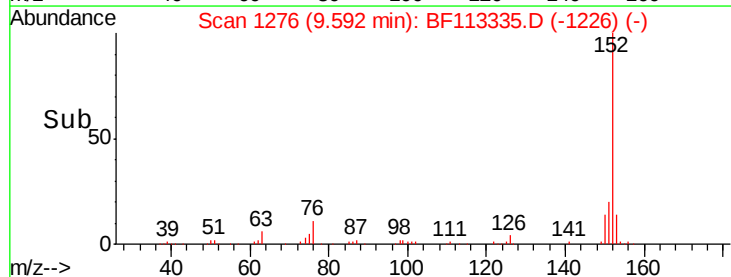
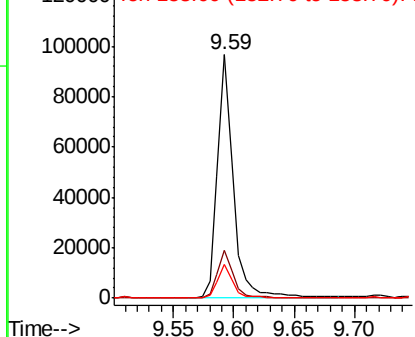


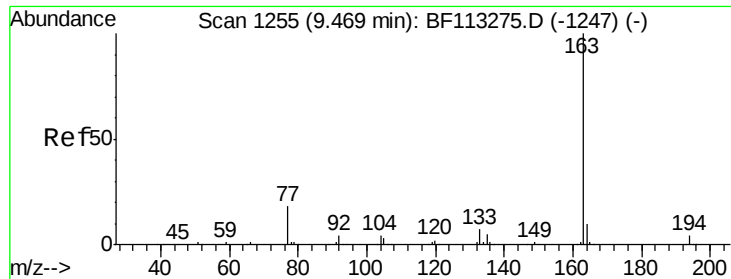
#49
Acenaphthylene
Concen: 2.605 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BF113335.D
Acq: 27 Mar 2019 17:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.4
153	13.6	11.0	16.6



Abundance Ion 152.00 (151.70 to 152.70): E
120000
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





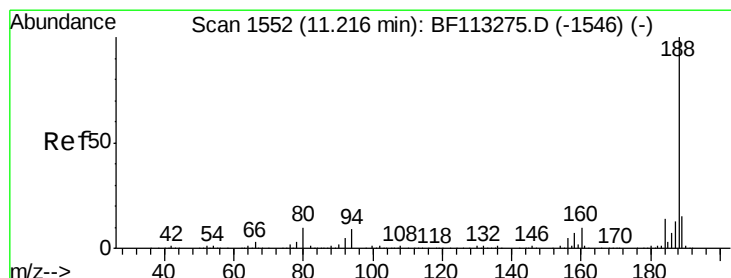
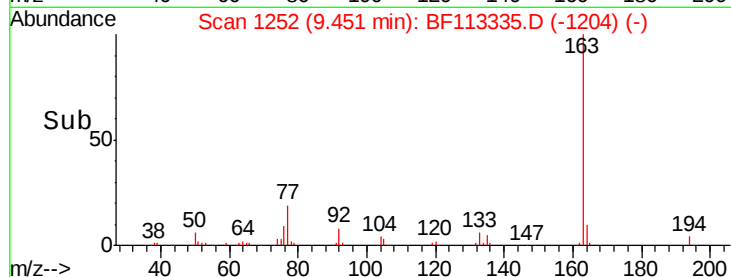
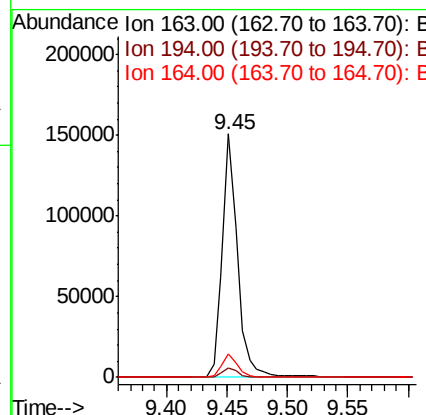
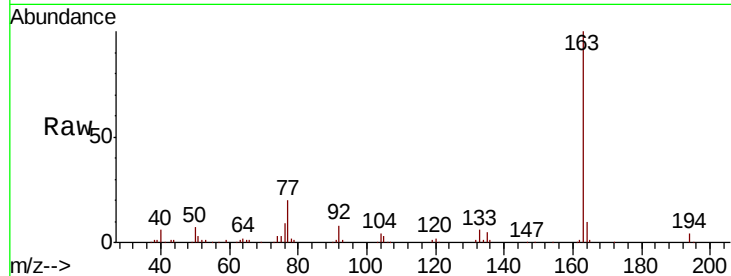
#50
Dimethylphthalate
Concen: 5.450 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF113335.D
Acq: 27 Mar 2019 17:16

Instrument :
BNA_F
ClientSampleId :
CS-15

Tot Ion	Ratio	Resp	Lower	Upper
163	100	131468		
194	3.6		3.0	4.6
164	9.7		8.1	12.1

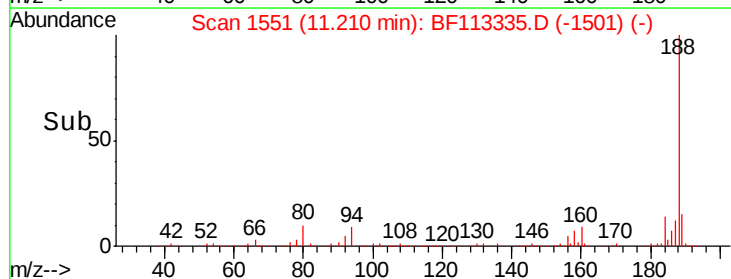
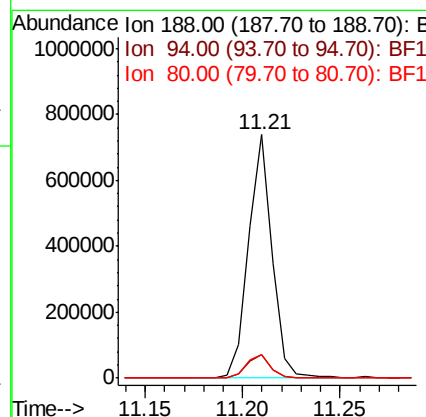
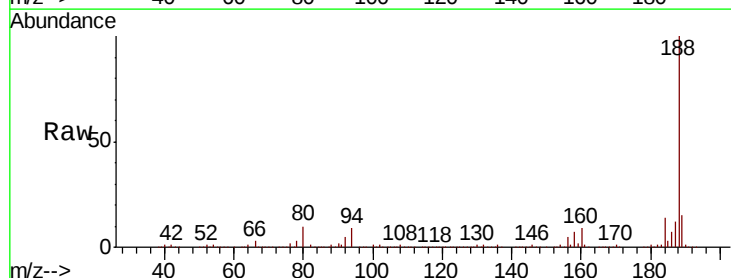
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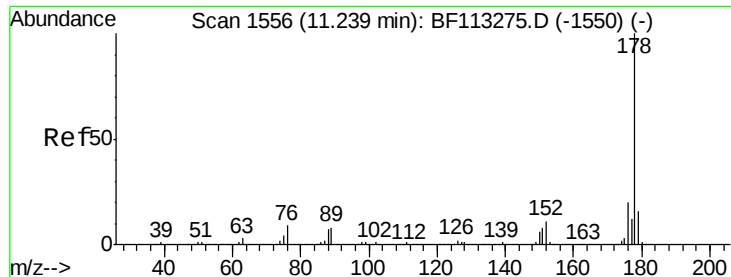
Sohil
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113335.D
Acq: 27 Mar 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	618767		
94	9.4		7.0	10.6
80	9.9		7.7	11.5





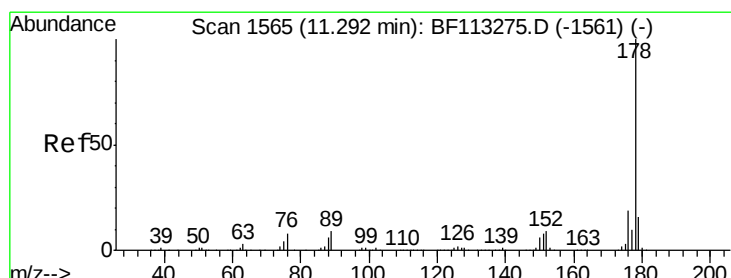
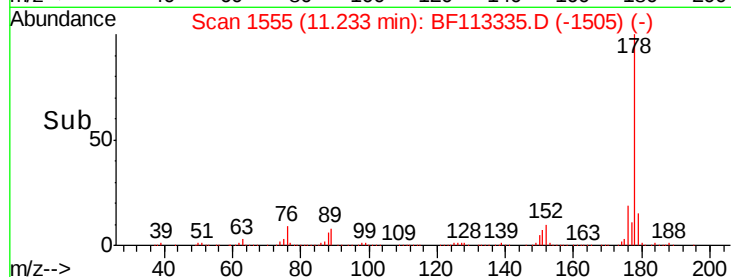
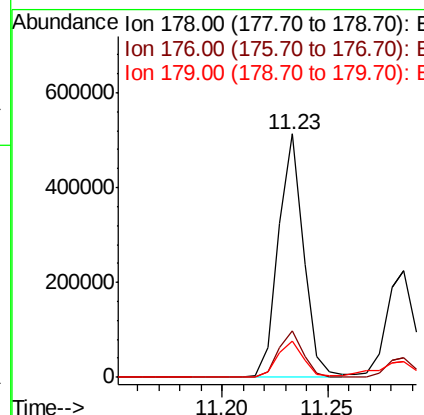
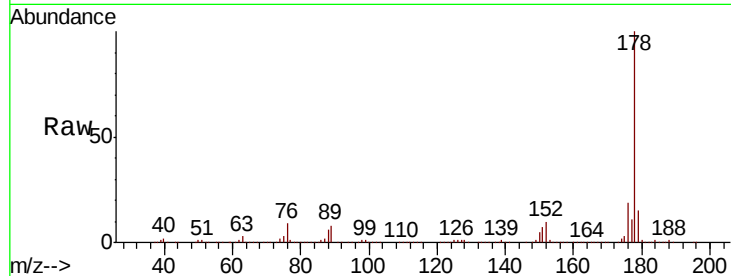
#71
Phenanthrene
Concen: 13.852 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113335.D
Acq: 27 Mar 2019 17:16

Instrument :
BNA_F
ClientSampleId :
CS-15

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.2
179	15.1	12.7	19.1

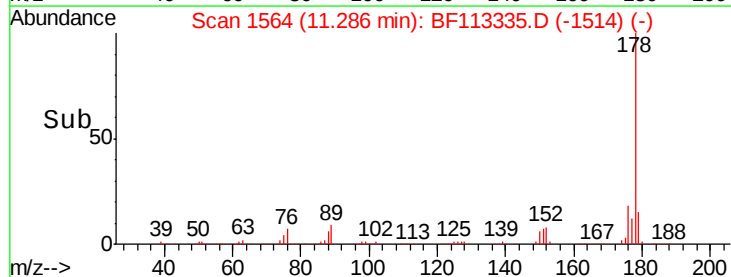
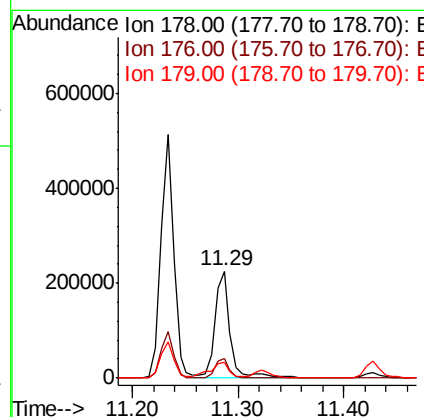
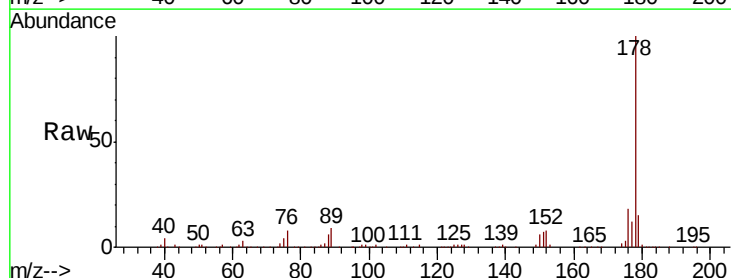
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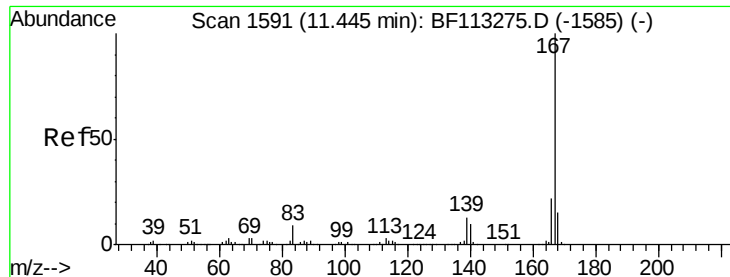
Sohil
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#72
Anthracene
Concen: 7.320 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF113335.D
Acq: 27 Mar 2019 17:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.1	12.8	19.2





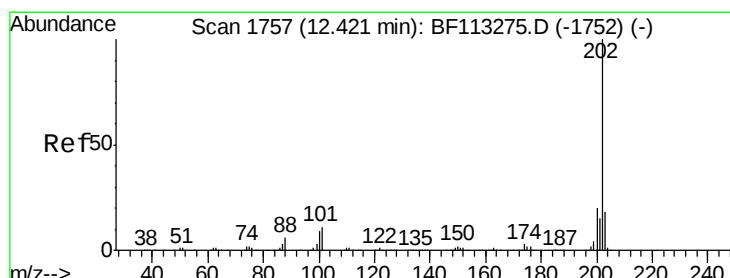
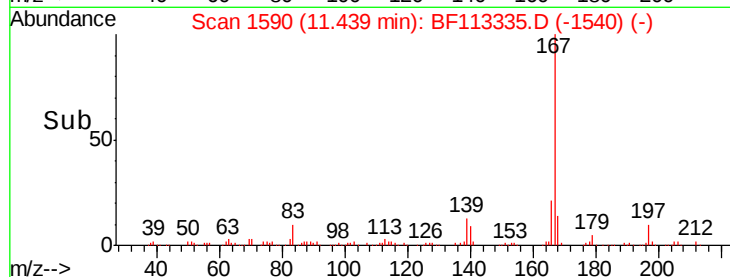
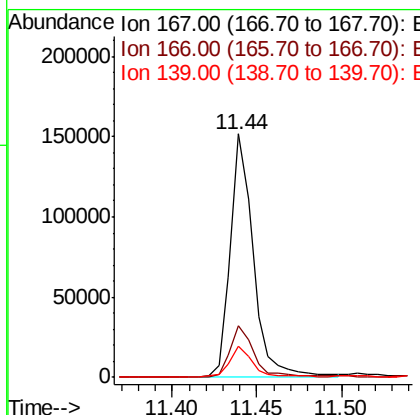
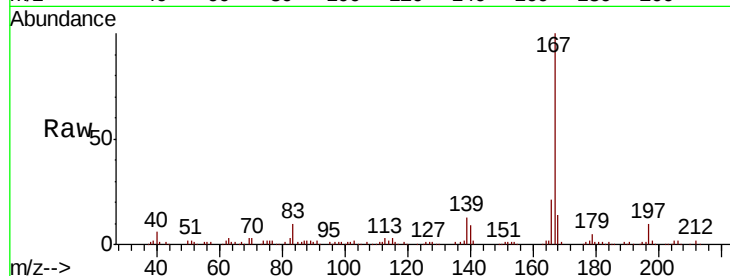
#73
 Carbazole
 Concen: 4.786 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF113335.D
 Acq: 27 Mar 2019 17:16

Instrument :
 BNA_F
 ClientSampleId :
 CS-15

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100				
166	21.3		17.4	26.0	
139	12.8		10.4	15.6	

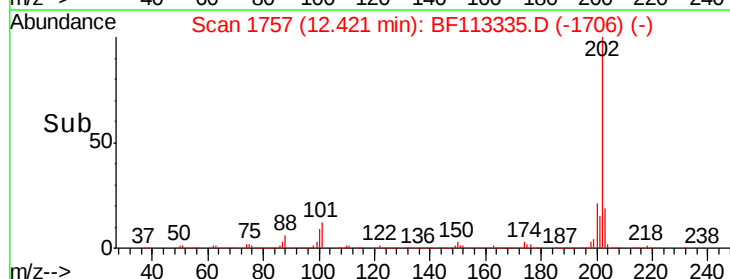
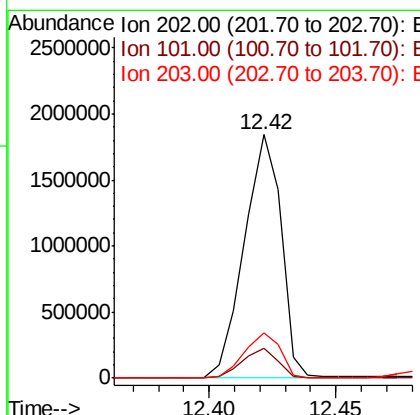
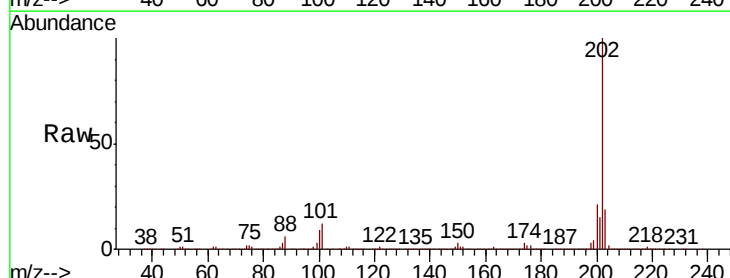
Manual Integrations
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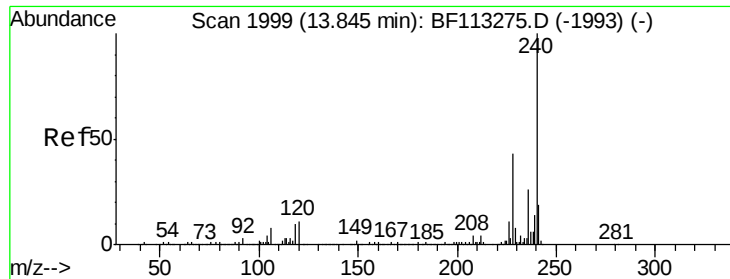
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#75
 Fluoranthene
 Concen: 54.019 ng
 RT: 12.42 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: BF113335.D
 Acq: 27 Mar 2019 17:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.2		0.0	31.4	
203	18.8		0.0	38.0	





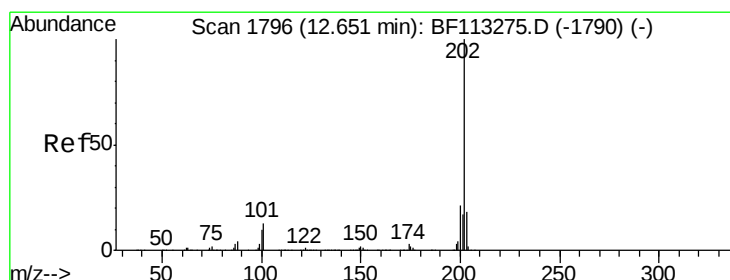
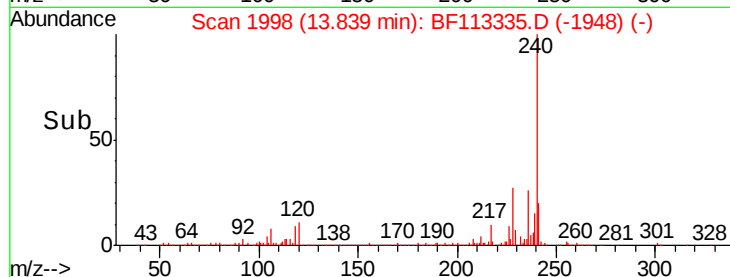
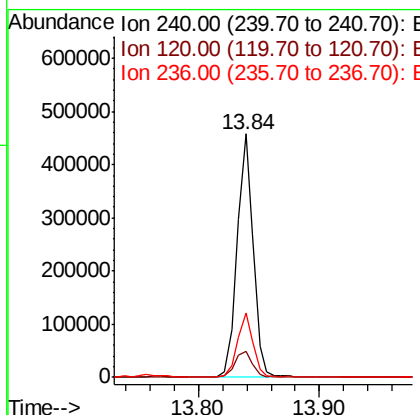
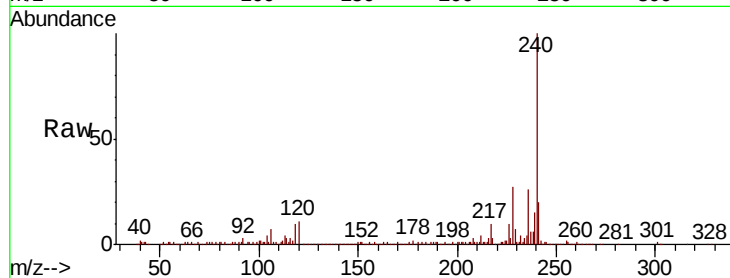
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113335.D
Acq: 27 Mar 2019 17:16

Instrument :
BNA_F
ClientSampleId :
CS-15

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.8	13.2
236	26.2	20.9	31.3

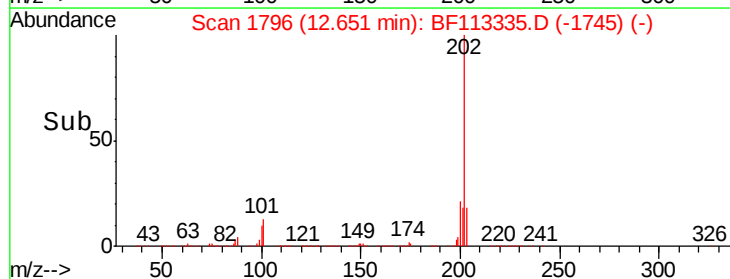
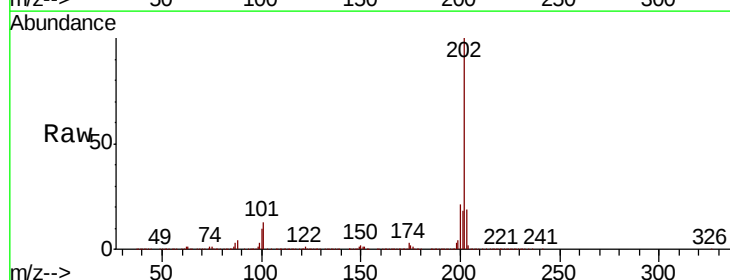
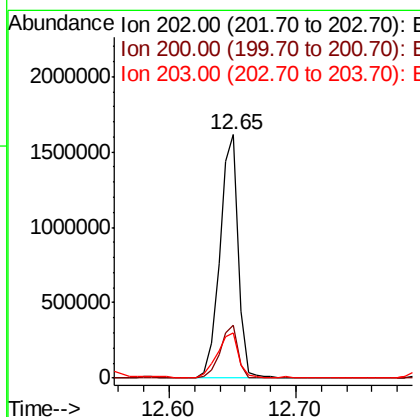
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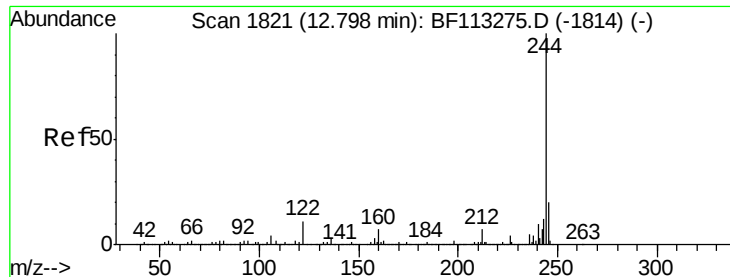
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#78
Pyrene
Concen: 55.293 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.00 min
Lab File: BF113335.D
Acq: 27 Mar 2019 17:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	18.6	14.4	21.6





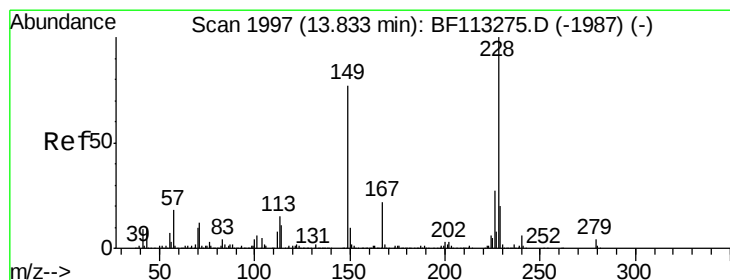
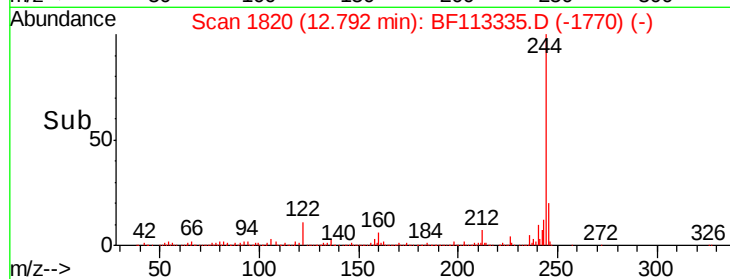
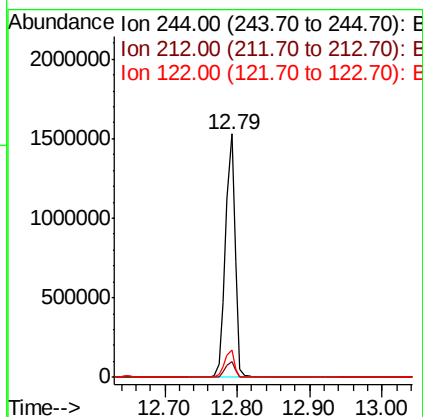
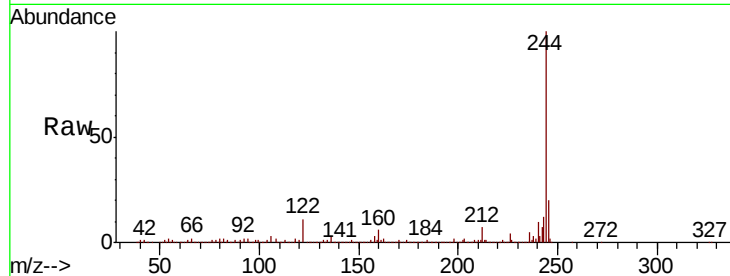
#79
 Terphenyl-d14
 Concen: 74.020 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF113335.D
 Acq: 27 Mar 2019 17:16

Instrument :
 BNA_F
 ClientSampleId :
 CS-15

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.5	8.3
122	11.0	8.6	13.0

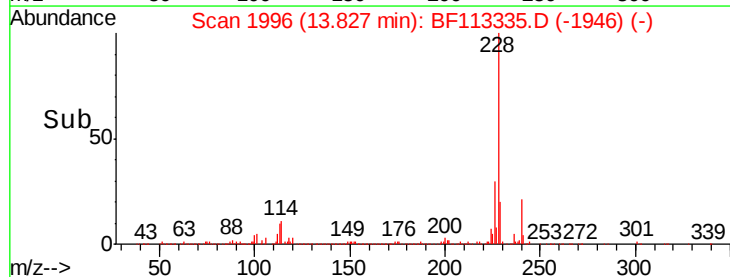
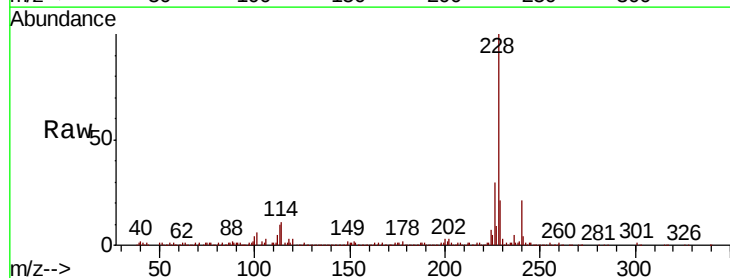
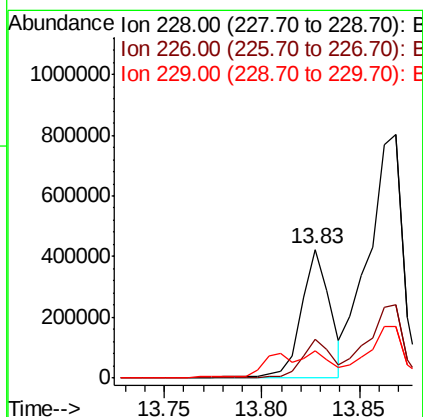
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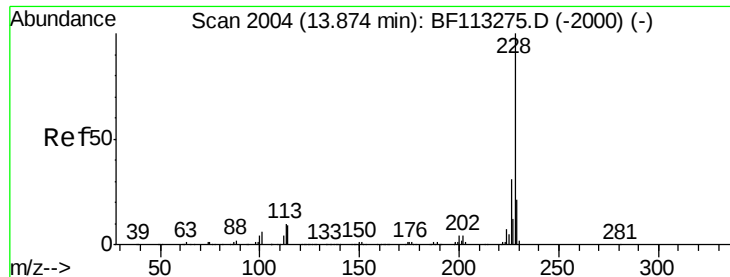
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#81
 Benzo(a)anthracene
 Concen: 17.566 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF113335.D
 Acq: 27 Mar 2019 17:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	21.8	32.8
229	20.8	16.2	24.4





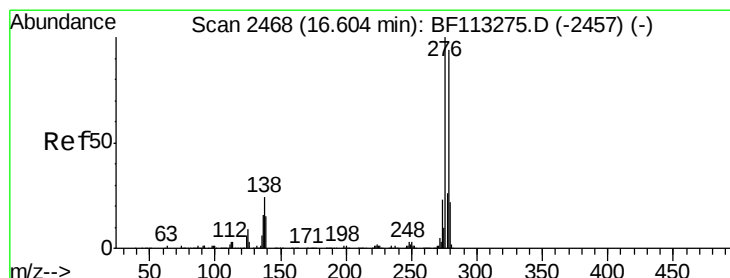
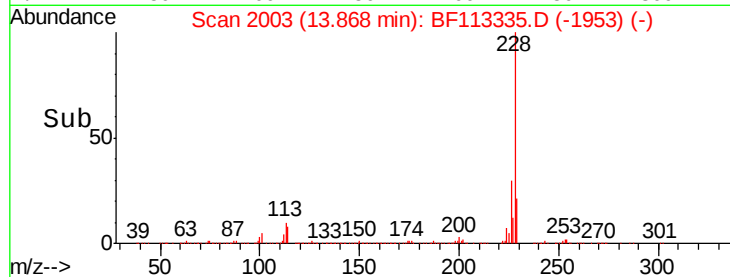
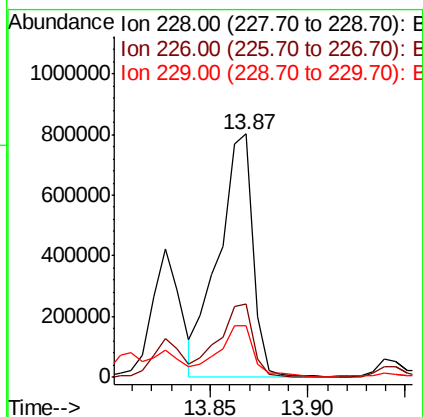
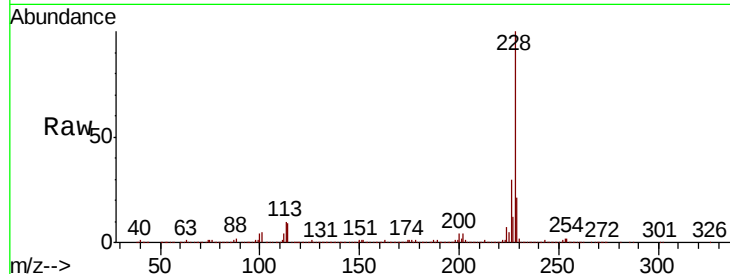
#83
Chrysene
Concen: 39.557 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF113335.D
Acq: 27 Mar 2019 17:16

Instrument :
BNA_F
ClientSampled :
CS-15

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.3	36.5
229	21.4	16.3	24.5

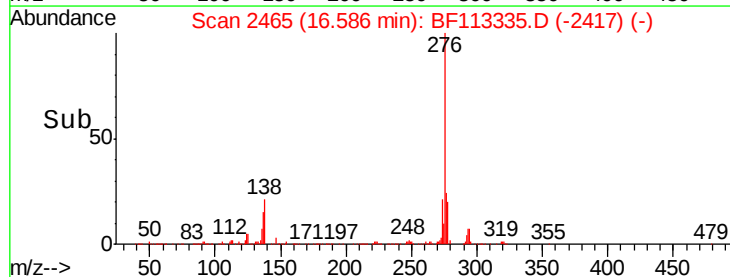
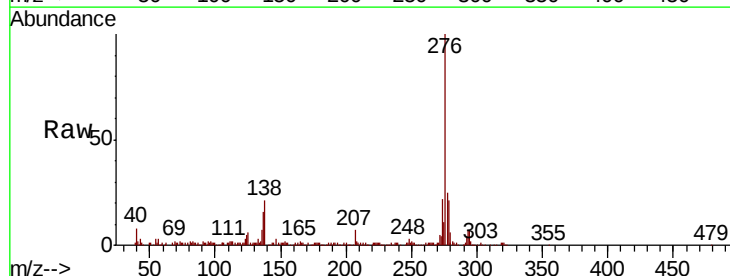
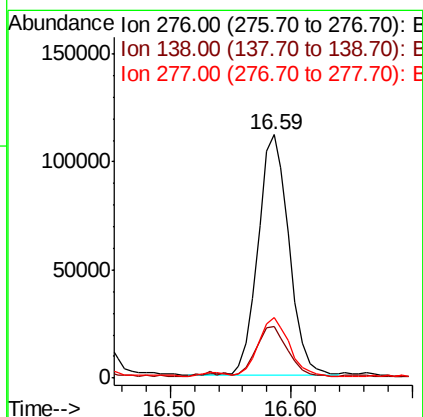
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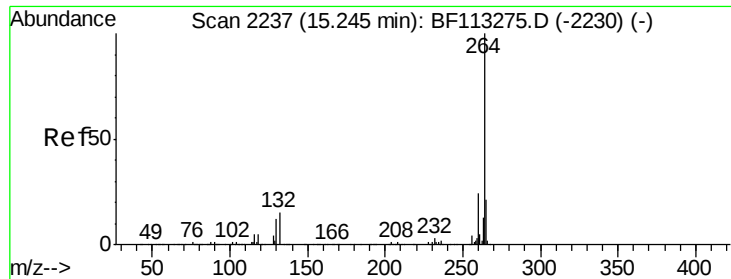
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#86
Indeno(1,2,3-cd)pyrene
Concen: 9.431 ng
RT: 16.59 min Scan# 2465
Delta R.T. -0.02 min
Lab File: BF113335.D
Acq: 27 Mar 2019 17:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.4	18.1	27.1
277	24.5	20.2	30.4





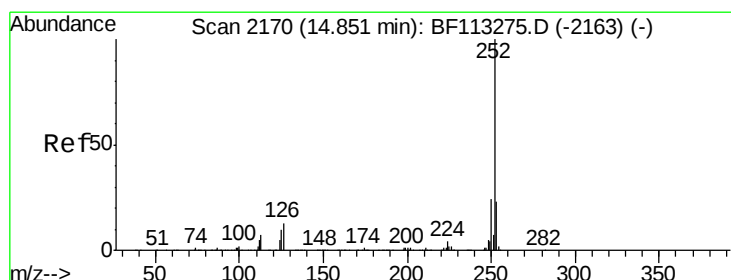
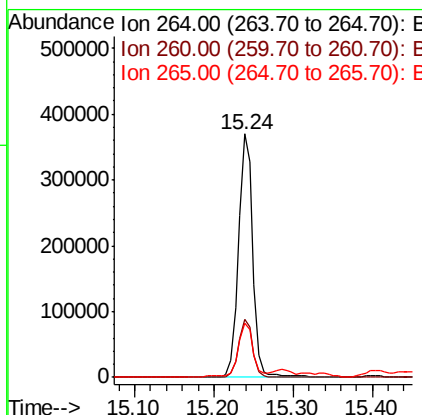
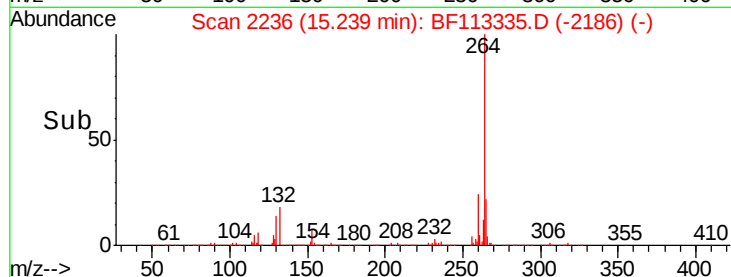
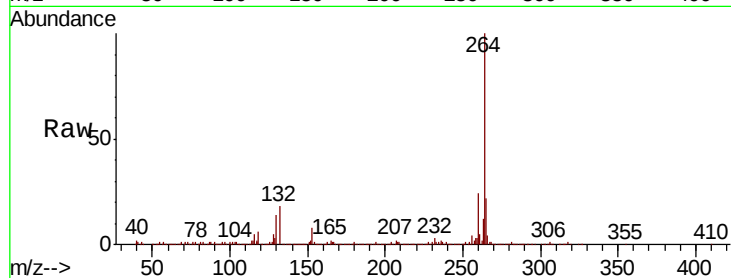
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF113335.D
Acq: 27 Mar 2019 17:16

Instrument :
BNA_F
ClientSampled :
CS-15

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.1	28.7
265	22.1	17.1	25.7

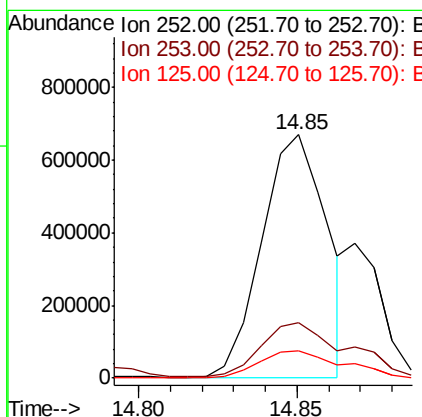
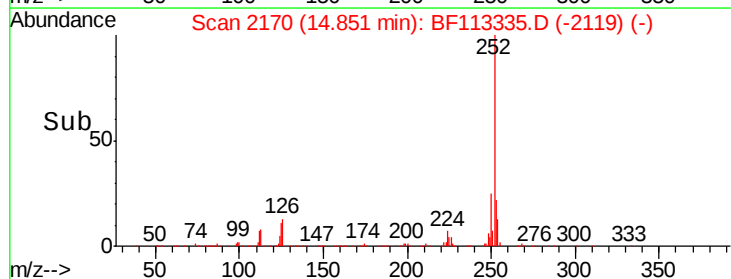
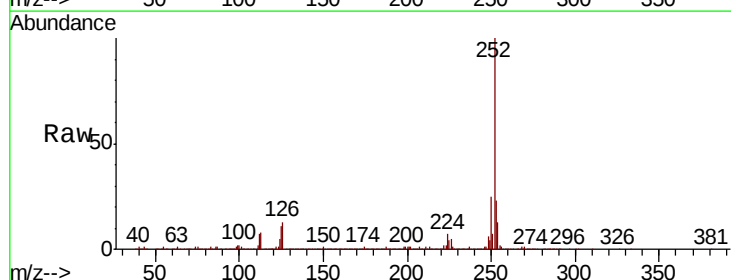
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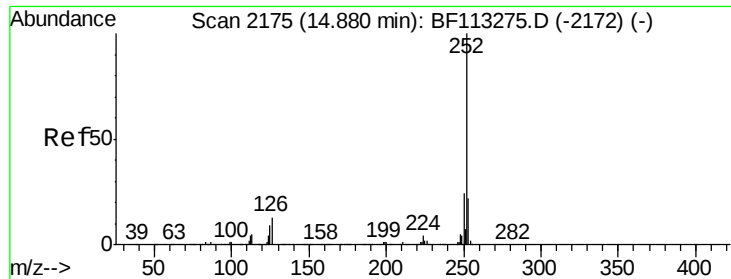
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#88
Benzo(b)fluoranthene
Concen: 33.407 ng m
RT: 14.85 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BF113335.D
Acq: 27 Mar 2019 17:16

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: 11.555 ng m

RT: 14.87 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF113335.D

Acq: 27 Mar 2019 17:16

Instrument :

BNA_F

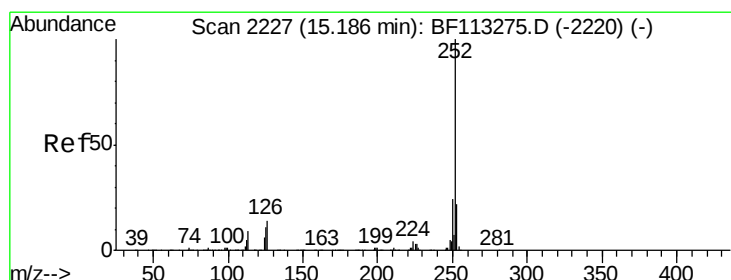
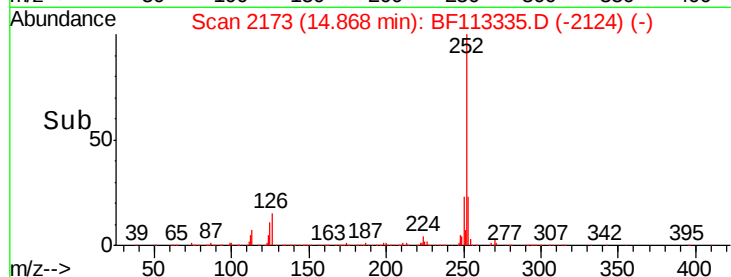
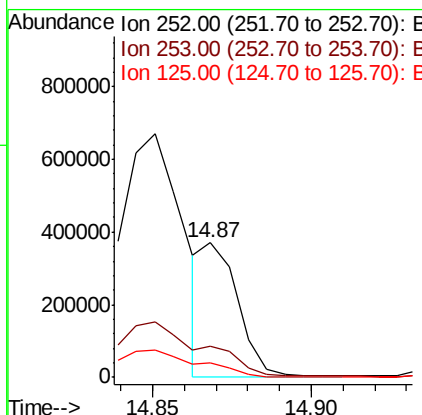
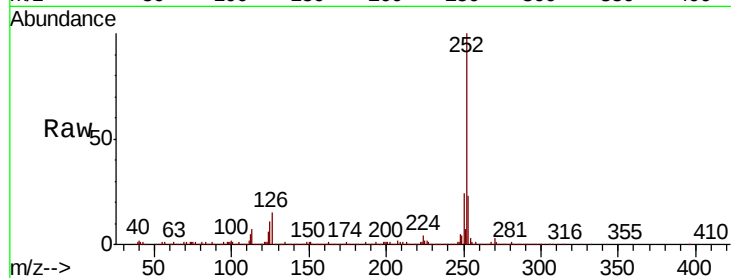
ClientSampled :

CS-15

Tot Ion:	252	Resp:	290097
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.7	26.5
125	10.9	7.3	10.9

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 10.116 ng

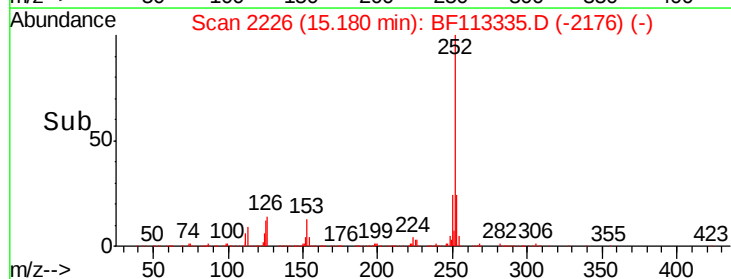
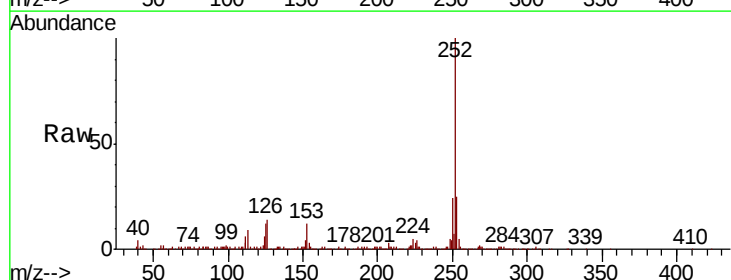
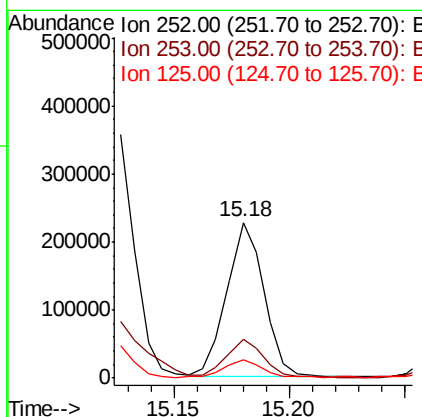
RT: 15.18 min Scan# 2226

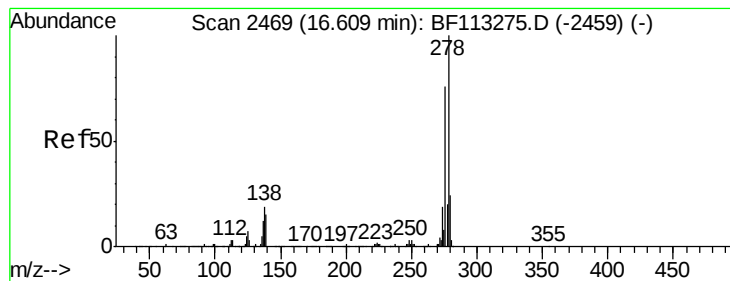
Delta R.T. -0.01 min

Lab File: BF113335.D

Acq: 27 Mar 2019 17:16

Tgt Ion:	252	Resp:	256399
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.9	26.9
125	11.6	8.8	13.2





#91

Dibenzo(a,h)anthracene

Concen: 2.459 ng

RT: 16.59 min Scan# 2466

Delta R.T. -0.02 min

Lab File: BF113335.D

Acq: 27 Mar 2019 17:16

Instrument :

BNA_F

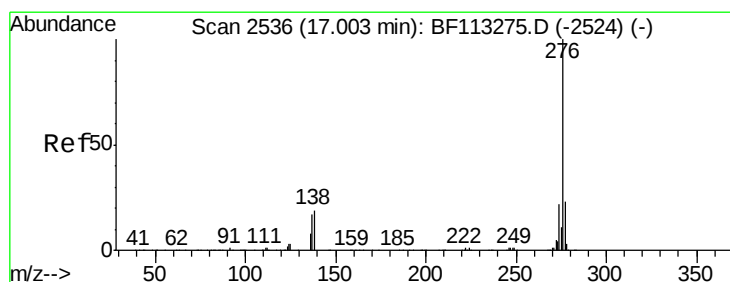
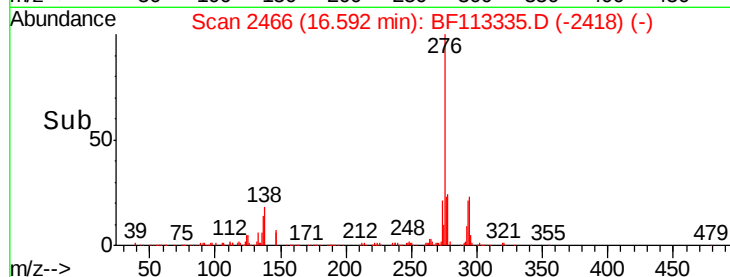
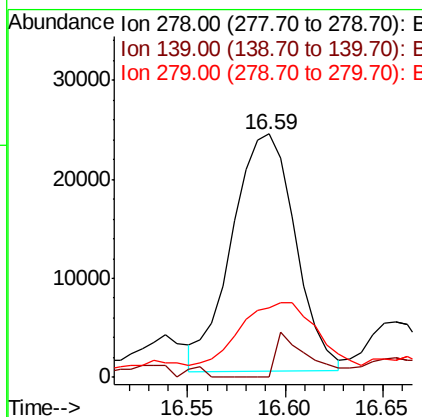
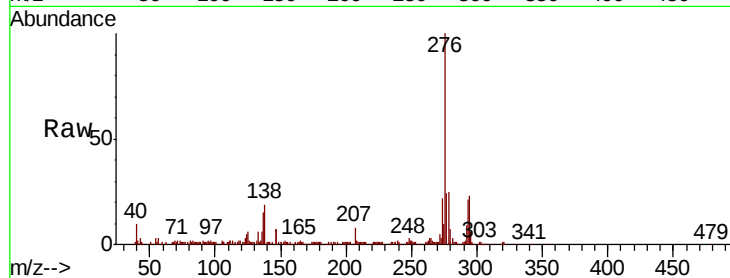
ClientSampled :

CS-15

Tot Ion:	278	Resp:	53888
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.0	18.0#
279	28.5	19.0	28.6

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 8.225 ng

RT: 16.99 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BF113335.D

Acq: 27 Mar 2019 17:16

Tgt Ion:	276	Resp:	181750
Ion Ratio	Lower	Upper	
276	100		
277	23.5	18.8	28.2
138	20.3	15.6	23.4

