

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032719\
 Data File : BF113343.D
 Acq On : 27 Mar 2019 21:04
 Operator : JU/SJ
 Sample : K2097-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-17

Manual Integrations
 APPROVED

Sohil
 3/28/2019 8:41:25 AM

Quant Time: Mar 28 04:22:33 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	168567	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	625531	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	285987	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	488094	20.00	ng	0.00
76) Chrysene-d12	13.84	240	366068	20.00	ng	0.00
87) Perylene-d12	15.25	264	356452	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	999038	96.91	ng	0.00
7) Phenol-d6	6.36	99	1296578	99.42	ng	0.00
23) Nitrobenzene-d5	7.26	82	780708	74.08	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	324606	91.89	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1439417	77.29	ng	0.00
79) Terphenyl-d14	12.79	244	1203086	72.44	ng	0.00
Target Compounds						
10) Phenol	6.36	94	58247	3.912	ng	77
49) Acenaphthylene	9.59	152	115669	3.890	ng	98
50) Dimethylphthalate	9.45	163	130739	6.169	ng	99
71) Phenanthrene	11.23	178	263834	10.885	ng	97
72) Anthracene	11.29	178	286474	11.636	ng	98
73) Carbazole	11.44	167	249763	10.631	ng	98
75) Fluoranthene	12.43	202	1763334	64.352	ng	99
78) Pyrene	12.65	202	1666586	65.698	ng	99
81) Benzo(a)anthracene	13.83	228	870263m	41.531	ng	
83) Chrysene	13.87	228	1999407	93.940	ng	97
86) Indeno(1,2,3-cd)pyrene	16.61	276	643952	35.254	ng	97
88) Benzo(b)fluoranthene	14.86	252	2676591m	120.879	ng	
89) Benzo(k)fluoranthene	14.89	252	655485m	33.709	ng	
90) Benzo(a)pyrene	15.19	252	637386	32.469	ng	94
91) Dibenzo(a,h)anthracene	16.61	278	151000m	8.896	ng	
92) Benzo(g,h,i)perylene	17.02	276	578057	33.776	ng	98

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



#1

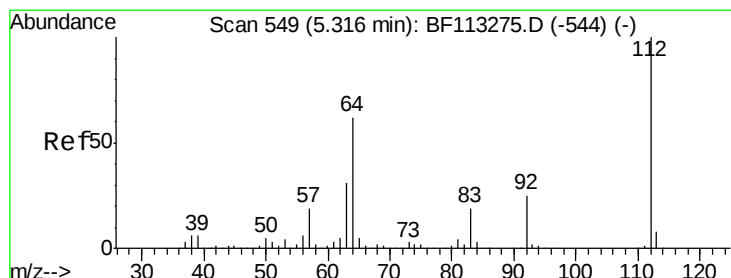
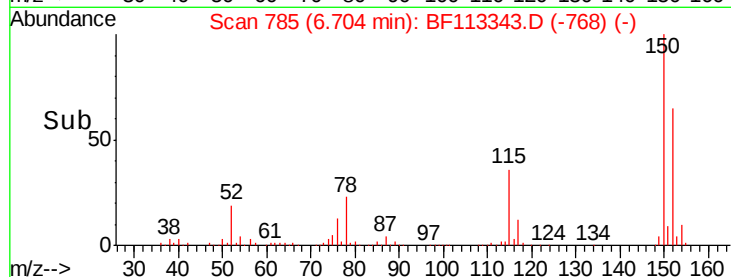
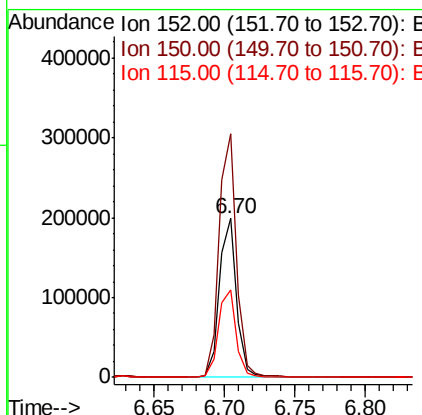
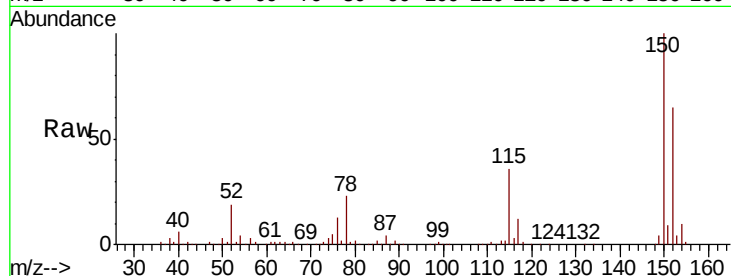
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.00 min
Lab File: BF113343.D
Acq: 27 Mar 2019 21:04

Instrument :
BNA_F
ClientSampled :
CS-17

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.7	187.1
115	54.9	46.0	69.0

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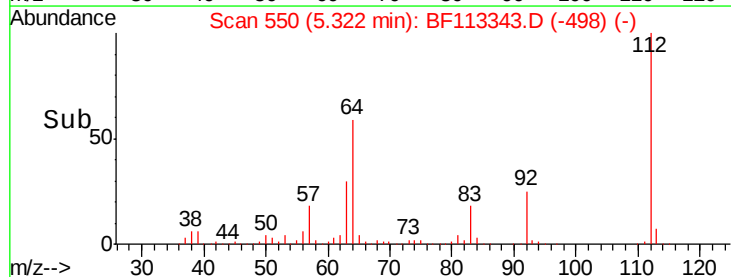
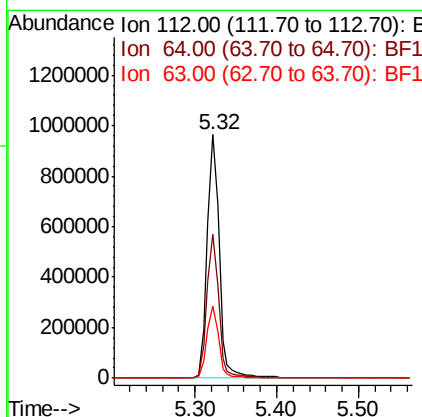
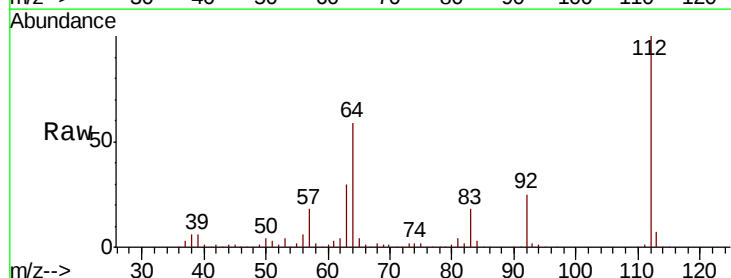
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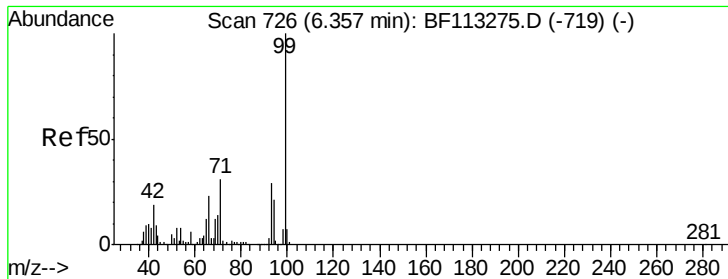


#5

2-Fluorophenol
Concen: 96.908 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113343.D
Acq: 27 Mar 2019 21:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	49.2	73.8
63	29.8	24.9	37.3





#7

Phenol-d6

Concen: 99.418 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF113343.D

Acq: 27 Mar 2019 21:04

Instrument :

BNA_F

ClientSampled :

CS-17

Tot Ion: 99 Resp: 1296578

Ion Ratio Lower Upper

99 100

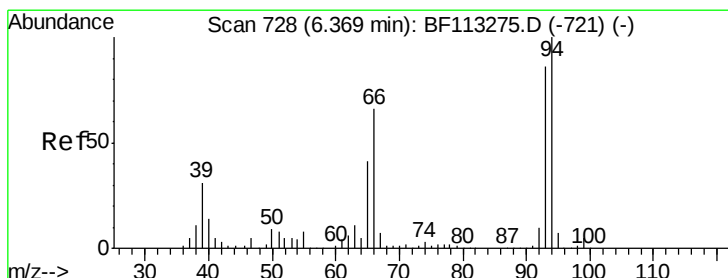
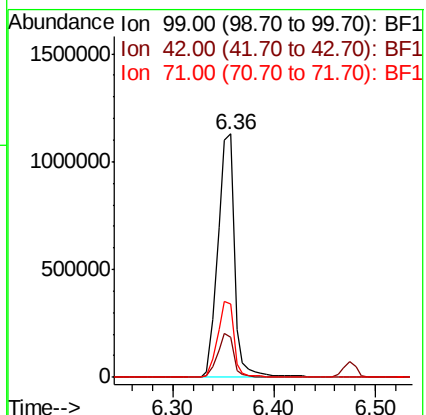
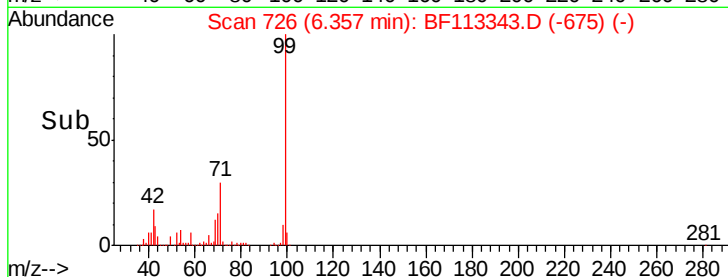
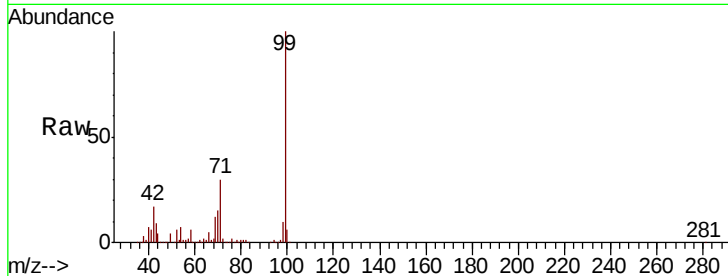
42 16.6 14.8 22.2

71 30.1 24.9 37.3

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#10

Phenol

Concen: 3.912 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113343.D

Acq: 27 Mar 2019 21:04

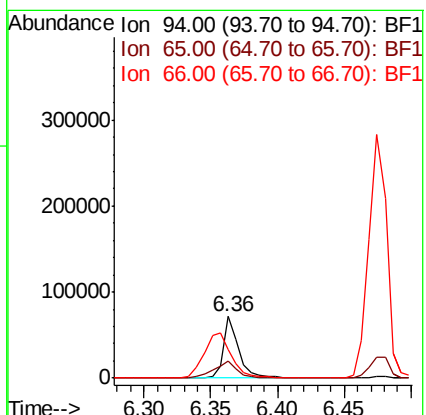
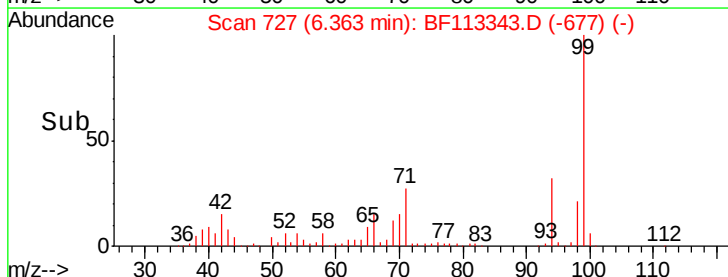
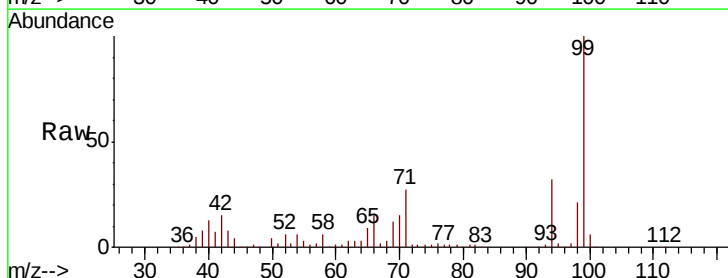
Tgt Ion: 94 Resp: 58247

Ion Ratio Lower Upper

94 100

65 28.1 21.4 61.4

66 47.0 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: BF113343.D

Acq: 27 Mar 2019 21:04

Instrument :

BNA_F

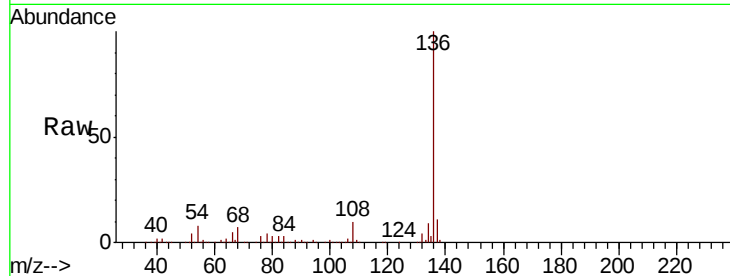
ClientSampleId :

CS-17

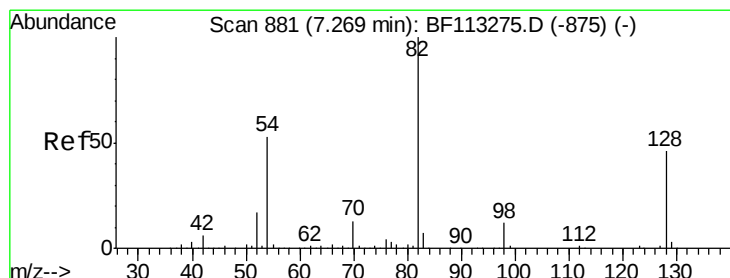
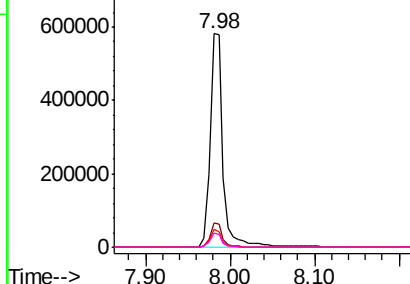
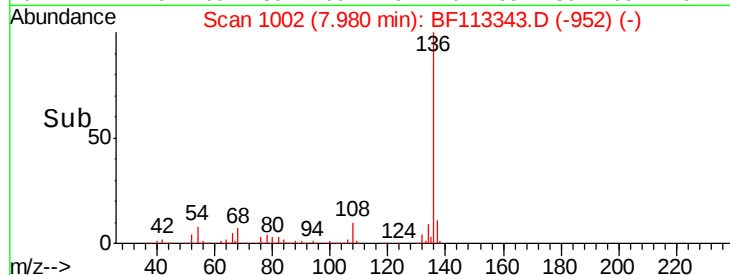
Tot Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.5	7.0	10.6
68	6.8	4.8	7.2

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Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 74.078 ng

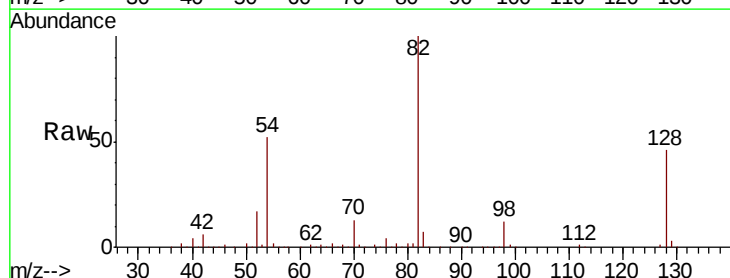
RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

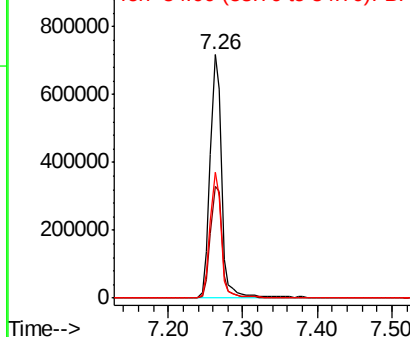
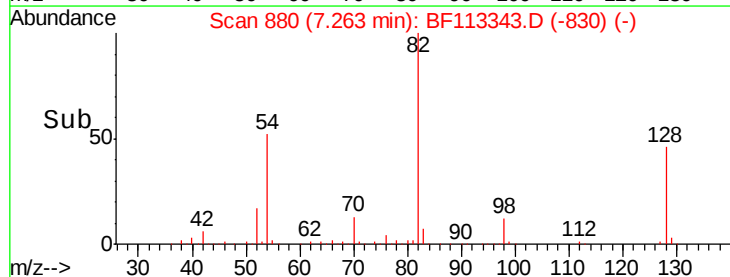
Lab File: BF113343.D

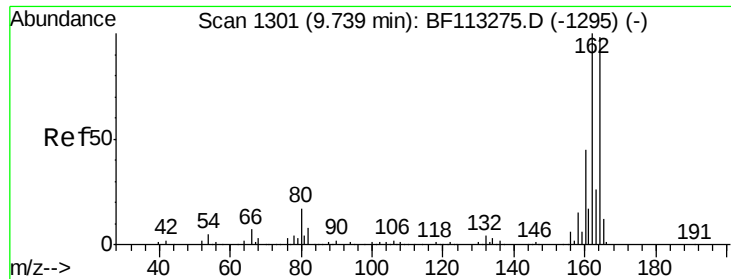
Acq: 27 Mar 2019 21:04

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.5	54.7
54	51.9	42.2	63.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





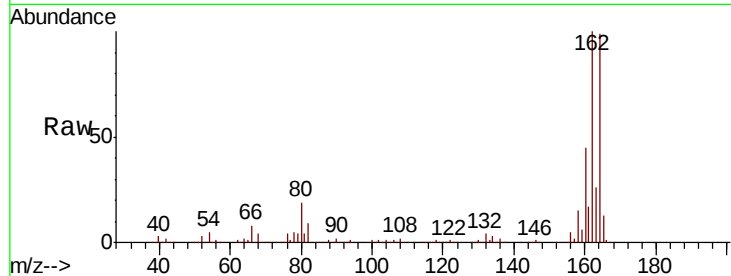
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF113343.D
 Acq: 27 Mar 2019 21:04

Instrument :
 BNA_F
 ClientSampled :
 CS-17

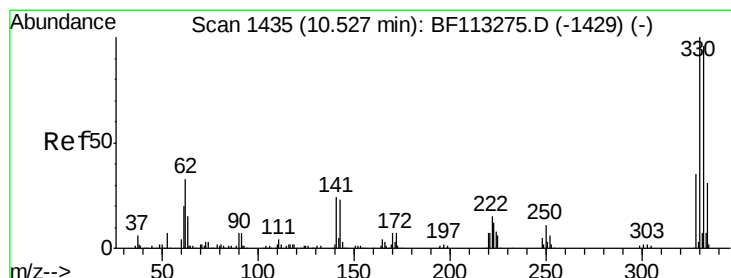
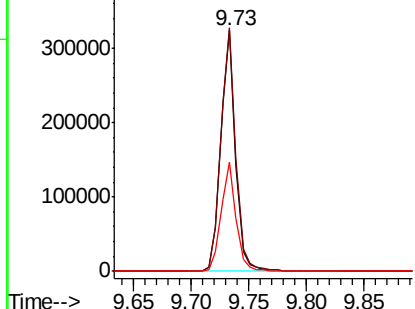
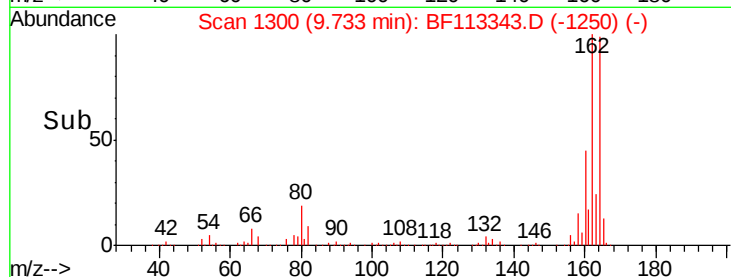
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.1	81.8	122.6	
160	45.5	36.4	54.6	

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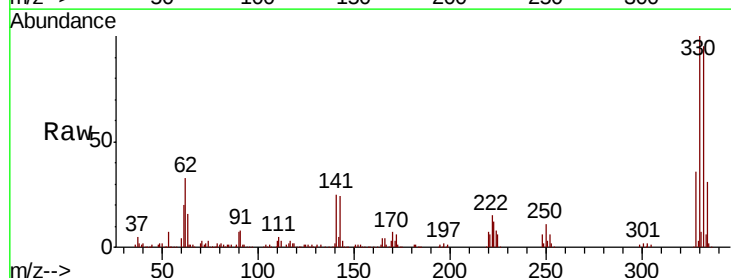


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

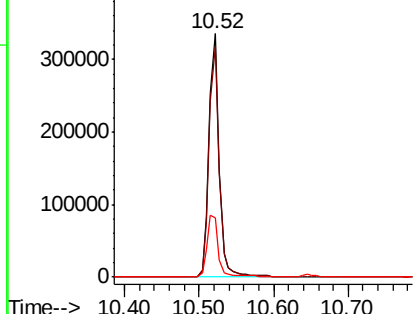
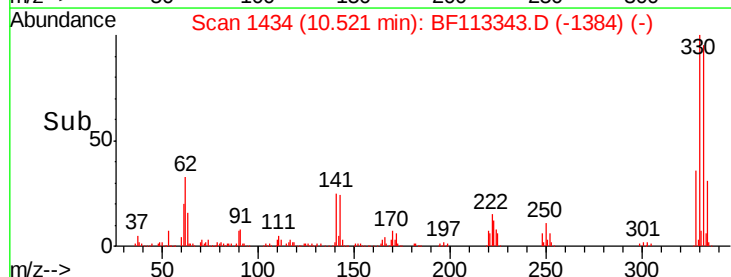


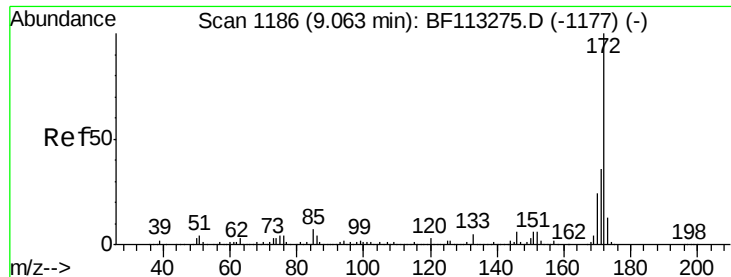
#42
 2,4,6-Tribromophenol
 Concen: 91.889 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113343.D
 Acq: 27 Mar 2019 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.9	77.8	116.6	
141	28.4	22.7	34.1	



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





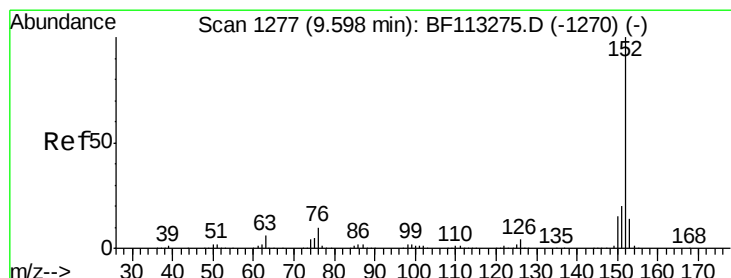
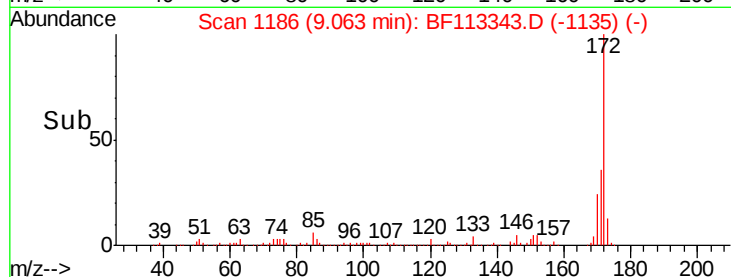
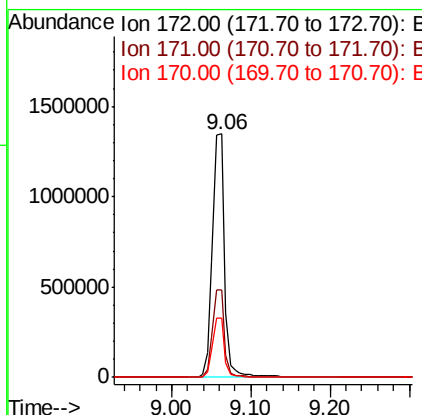
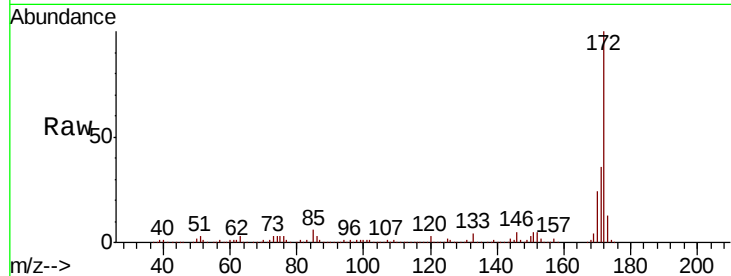
#45
2-Fluorobiphenyl
Concen: 77.287 ng
RT: 9.06 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF113343.D
Acq: 27 Mar 2019 21:04

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	35.9	29.0	43.6	
170	24.4	19.5	29.3	

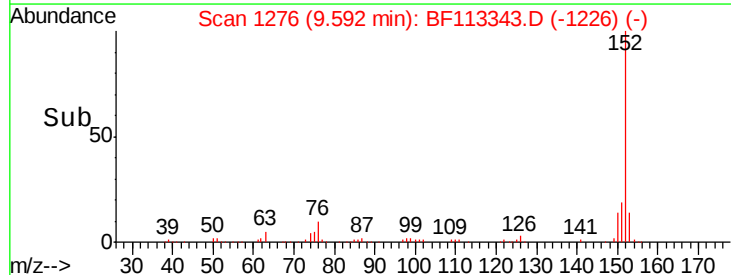
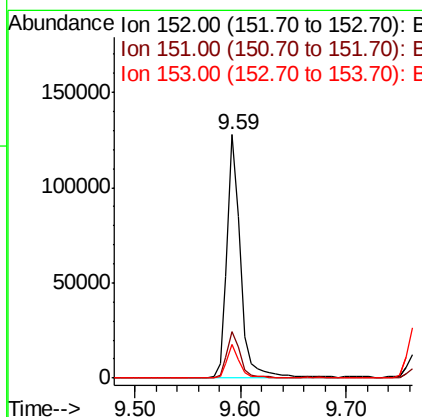
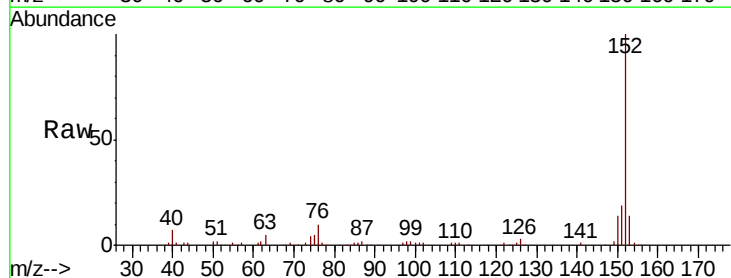
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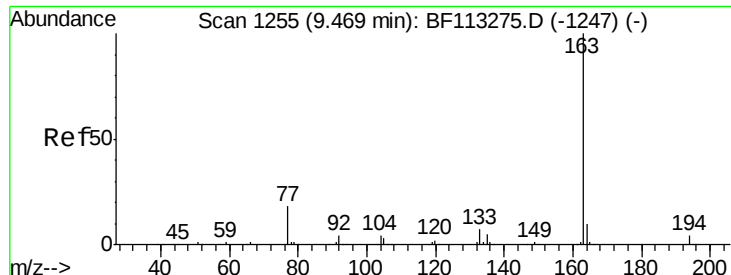
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#49
Acenaphthylene
Concen: 3.890 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BF113343.D
Acq: 27 Mar 2019 21:04

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
151	19.1	16.2	24.4	
153	13.8	11.0	16.6	





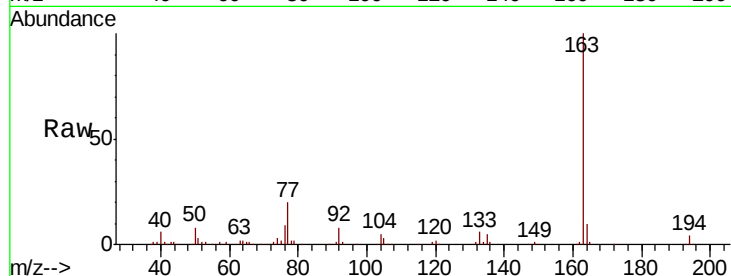
#50
Dimethylphthalate
Concen: 6.169 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF113343.D
Acq: 27 Mar 2019 21:04

Instrument :
BNA_F
ClientSampled :
CS-17

Tot Ion	Ratio	Resp	Lower	Upper
163	100	130739		
194	3.6		3.0	4.6
164	10.4		8.1	12.1

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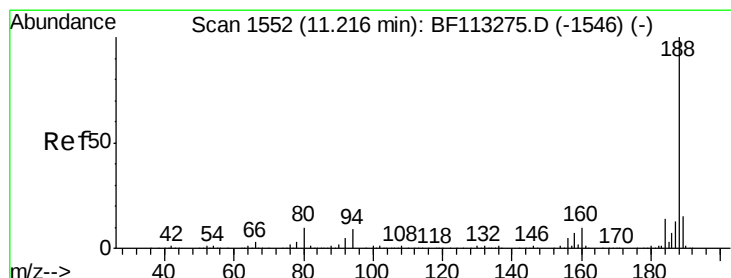
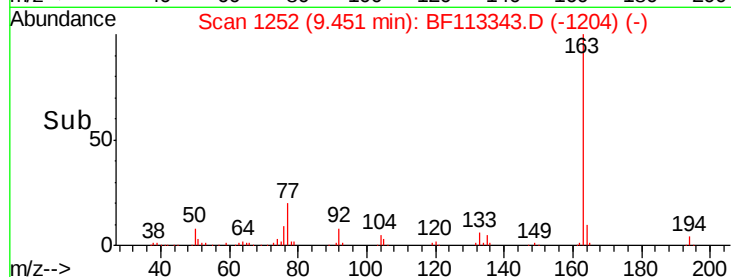
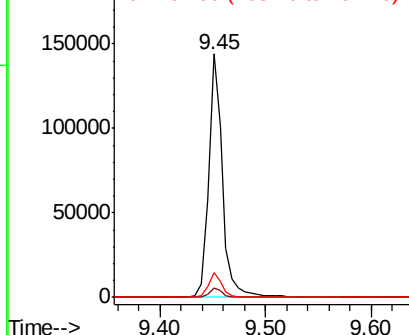


Abundance

Ion 163.00 (162.70 to 163.70): E

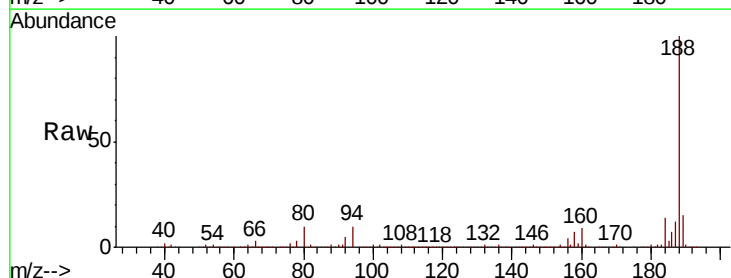
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113343.D
Acq: 27 Mar 2019 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	488094		
94	9.6		7.0	10.6
80	10.0		7.7	11.5

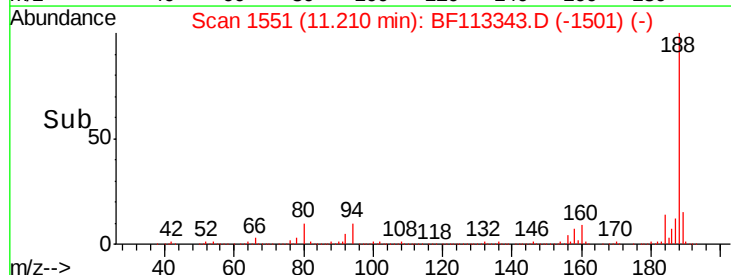
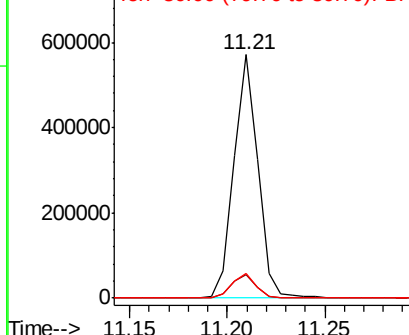


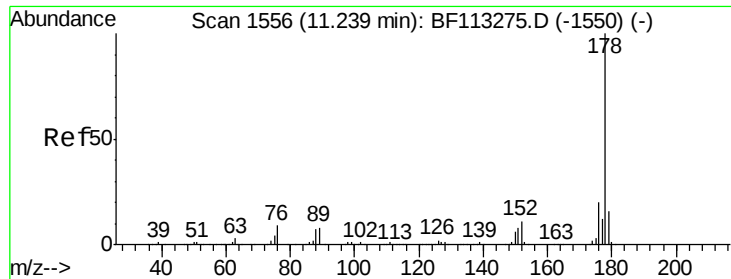
Abundance

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





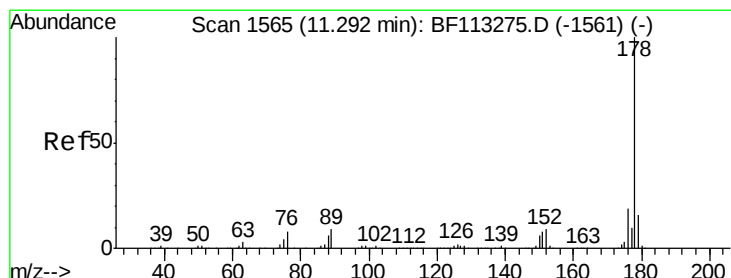
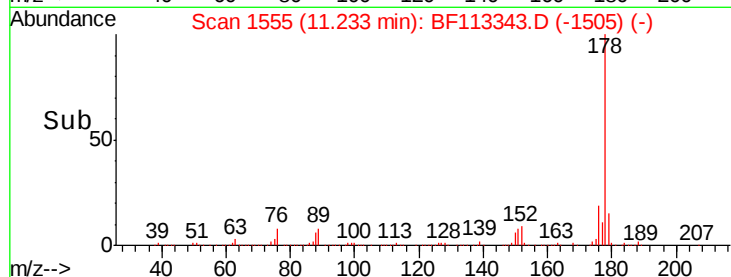
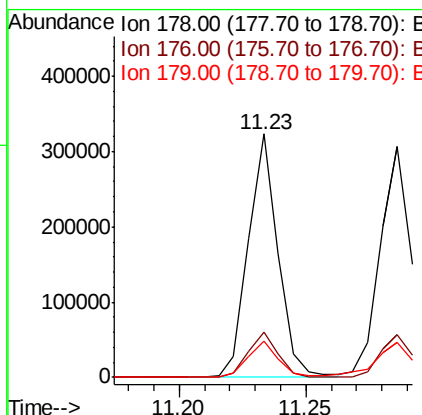
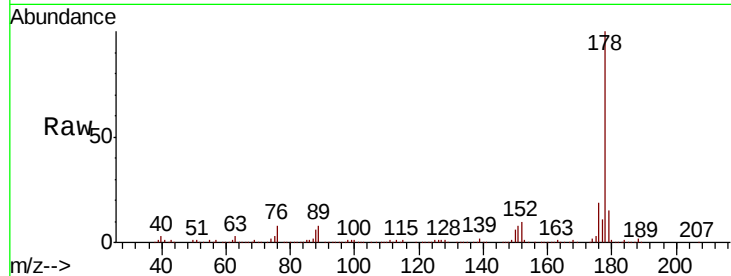
#71
Phenanthrene
Concen: 10.885 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113343.D
Acq: 27 Mar 2019 21:04

Instrument :
BNA_F
ClientSampled :
CS-17

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.2
179	15.0	12.7	19.1

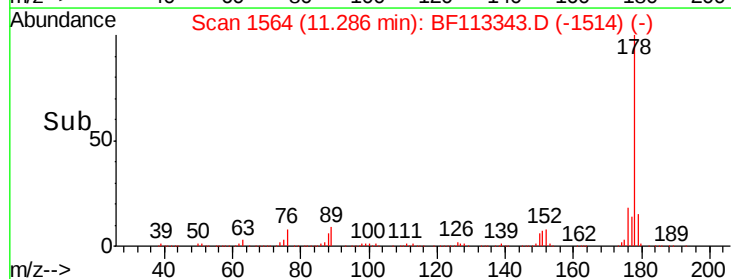
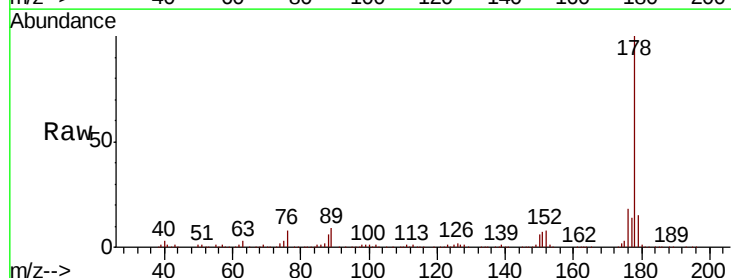
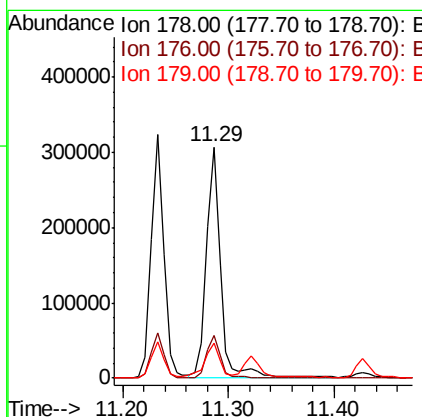
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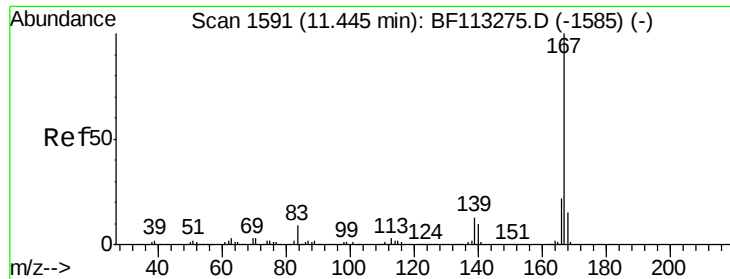
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#72
Anthracene
Concen: 11.636 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF113343.D
Acq: 27 Mar 2019 21:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	15.2	12.8	19.2





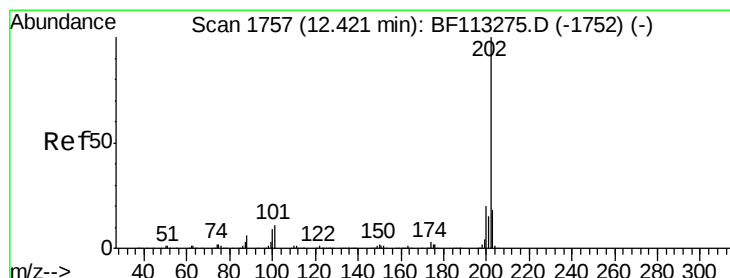
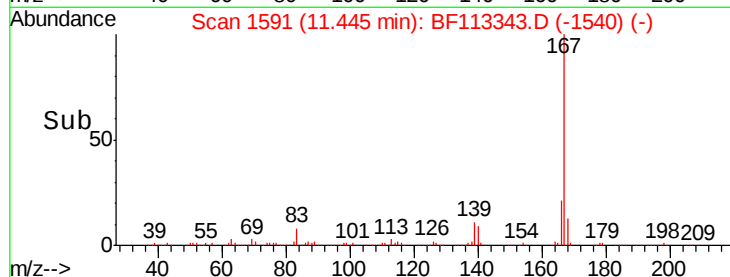
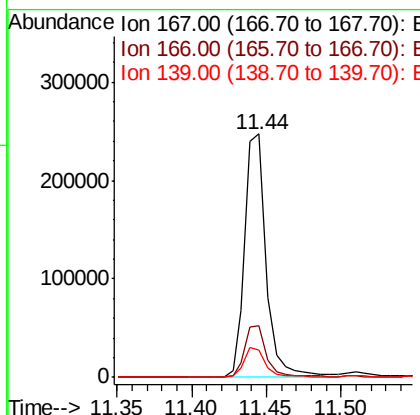
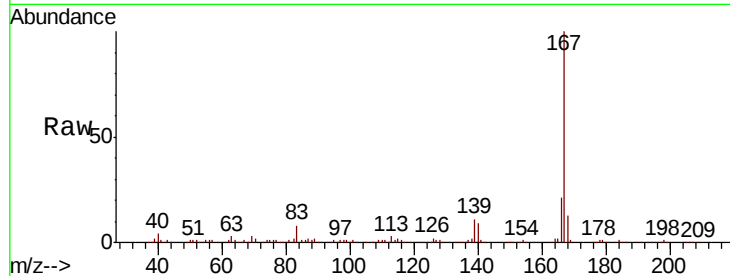
#73
 Carbazole
 Concen: 10.631 ng
 RT: 11.44 min Scan# 1591
 Delta R.T. -0.00 min
 Lab File: BF113343.D
 Acq: 27 Mar 2019 21:04

Instrument :
 BNA_F
 ClientSampleId :
 CS-17

Tot Ion	Ion	Ratio	Lower	Upper
167	100			
166	21.3	17.4	26.0	
139	11.4	10.4	15.6	

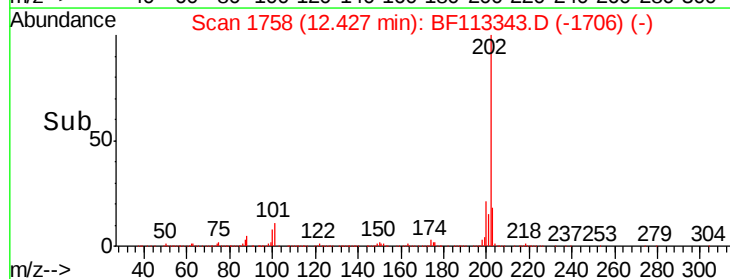
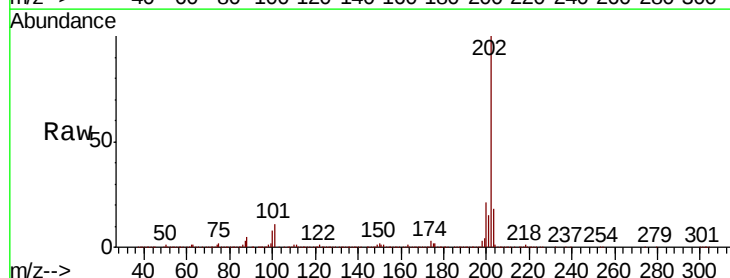
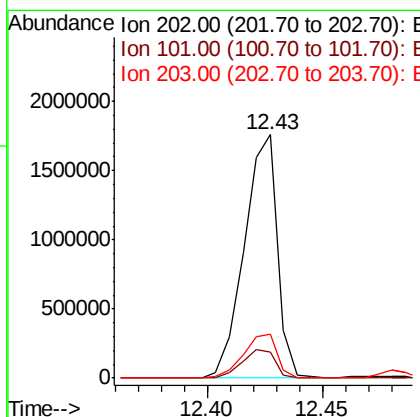
Manual Integrations
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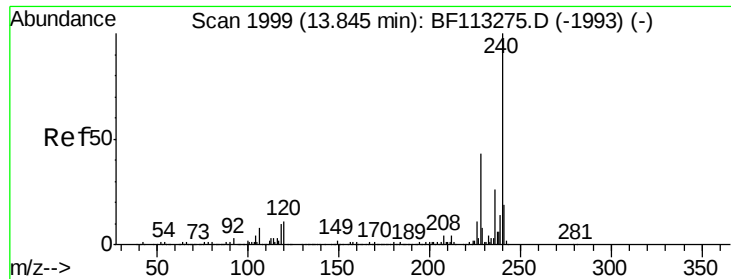
Sohil
 3/28/2019 8:41:25 AM



#75
 Fluoranthene
 Concen: 64.352 ng
 RT: 12.43 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: BF113343.D
 Acq: 27 Mar 2019 21:04

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	10.6	0.0	31.4	
203	18.2	0.0	38.0	





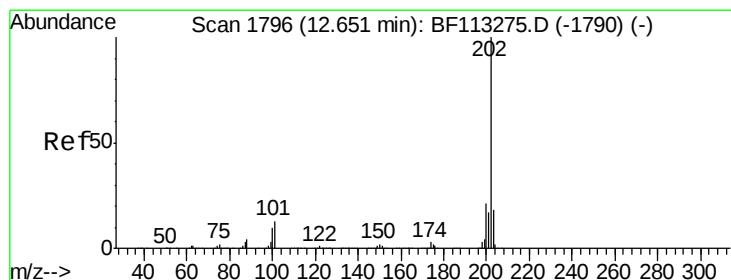
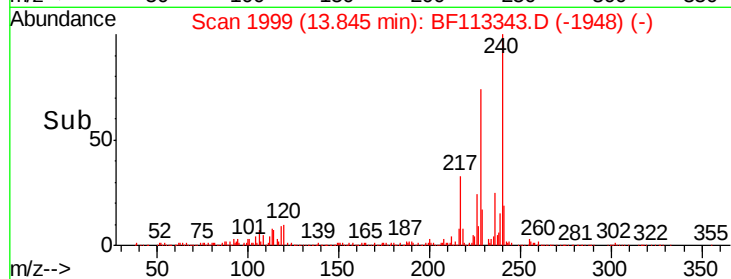
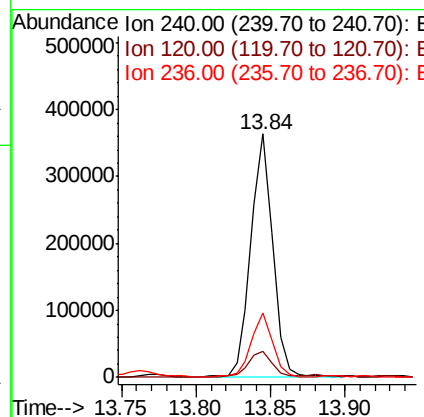
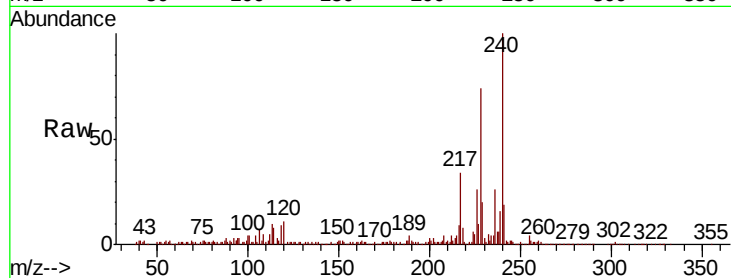
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BF113343.D
Acq: 27 Mar 2019 21:04

Instrument :
BNA_F
ClientSampled :
CS-17

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.8	13.2
236	26.4	20.9	31.3

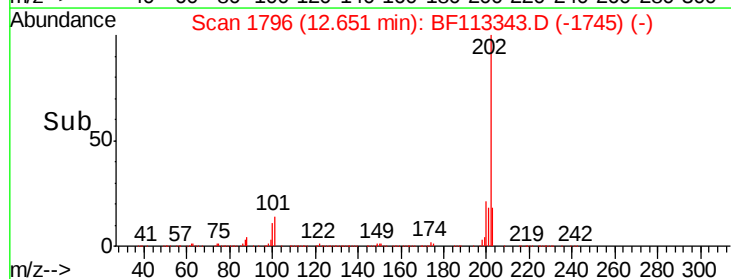
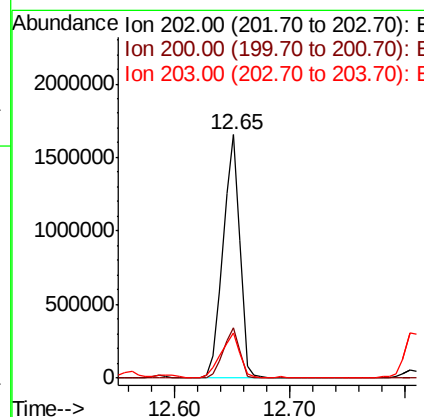
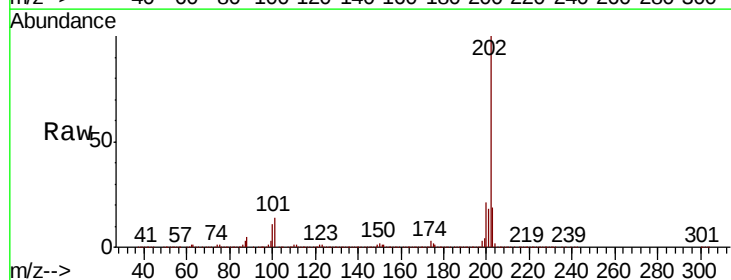
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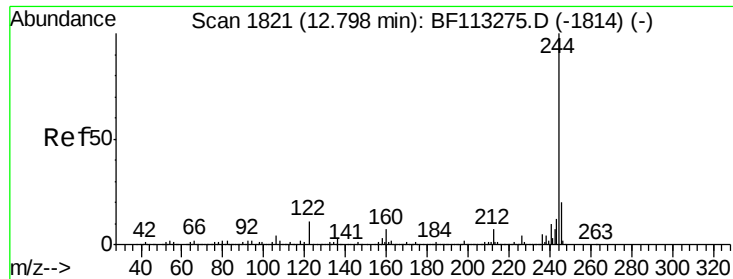
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#78
Pyrene
Concen: 65.698 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.00 min
Lab File: BF113343.D
Acq: 27 Mar 2019 21:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	18.7	14.4	21.6





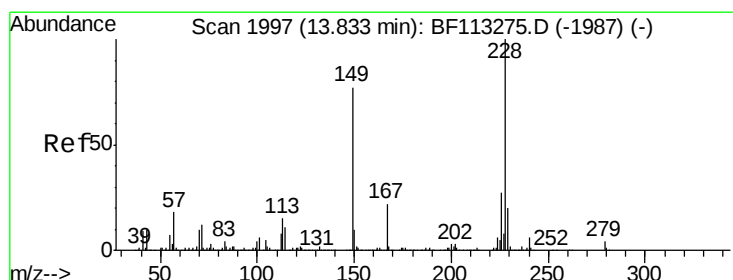
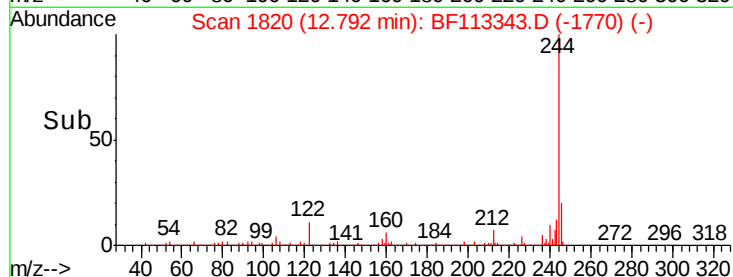
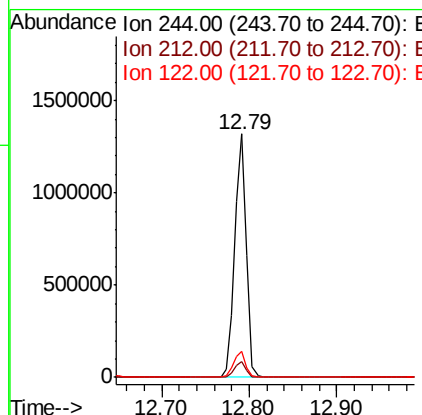
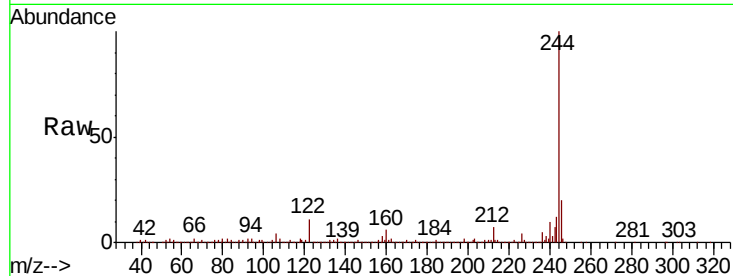
#79
 Terphenyl-d14
 Concen: 72.440 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF113343.D
 Acq: 27 Mar 2019 21:04

Instrument :
 BNA_F
 ClientSampleId :
 CS-17

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.5	8.3
122	10.8	8.6	13.0

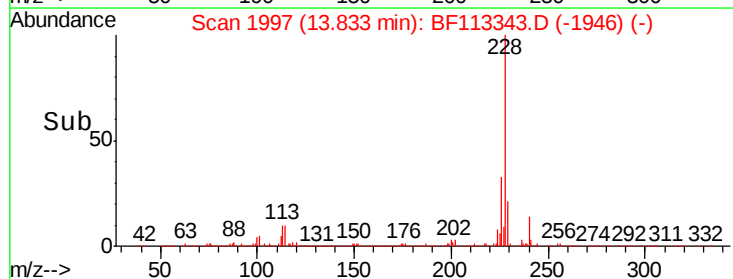
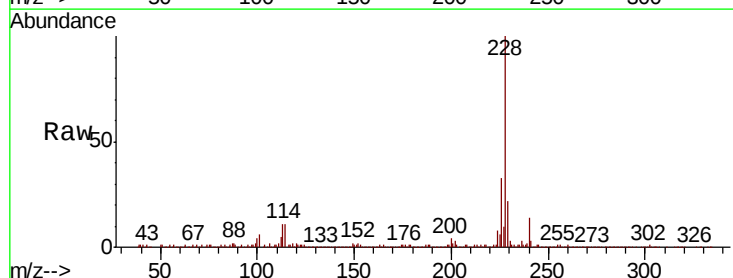
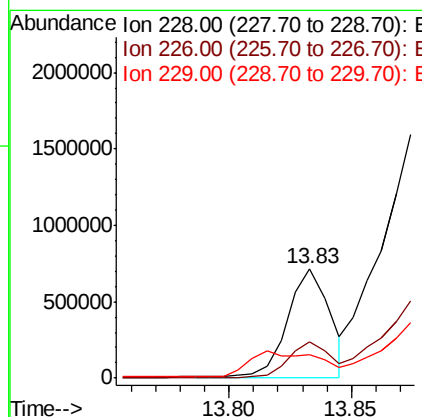
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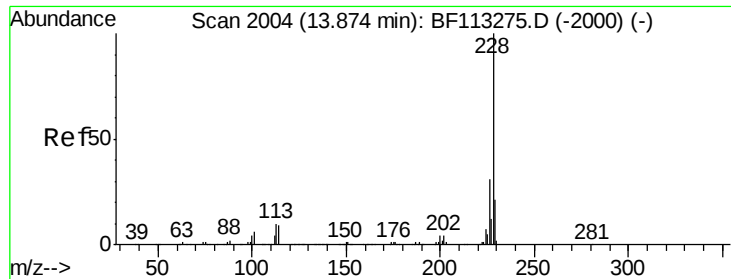
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#81
 Benzo(a)anthracene
 Concen: 41.531 ng m
 RT: 13.83 min Scan# 1997
 Delta R.T. -0.00 min
 Lab File: BF113343.D
 Acq: 27 Mar 2019 21:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	21.8	32.8#
229	21.5	16.2	24.4





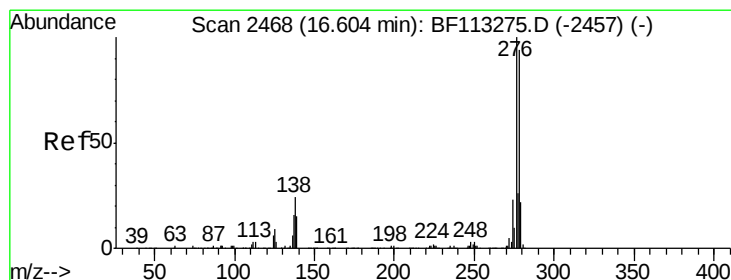
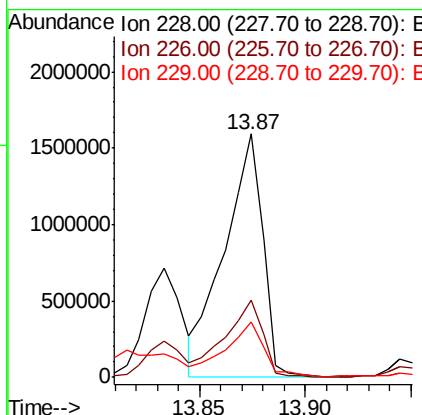
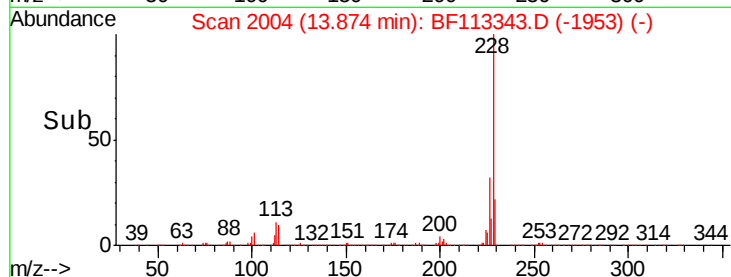
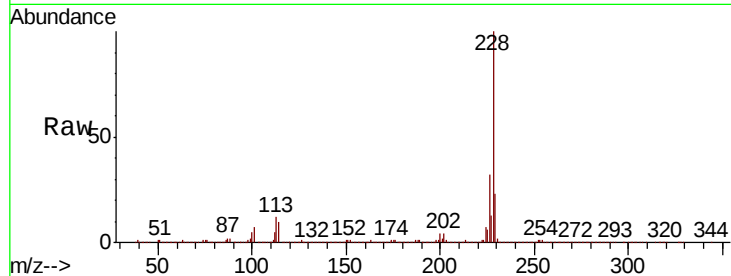
#83
Chrysene
Concen: 93.940 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF113343.D
Acq: 27 Mar 2019 21:04

Instrument :
BNA_F
ClientSampleId :
CS-17

Tot Ion:228 Resp: 1999407
Ion Ratio Lower Upper
228 100
226 31.7 24.3 36.5
229 22.7 16.3 24.5

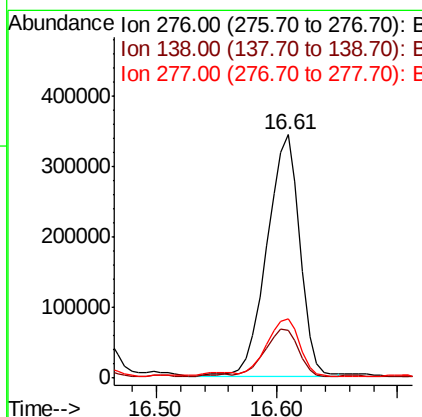
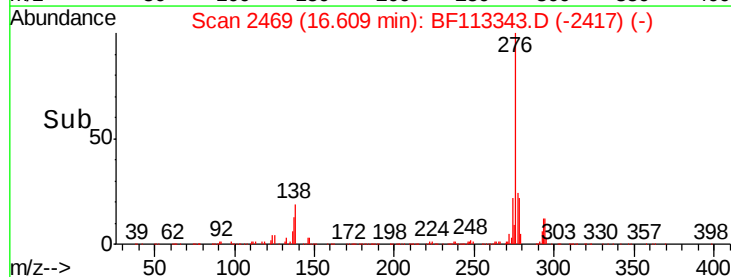
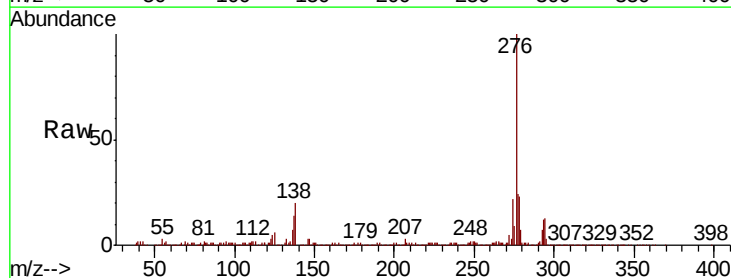
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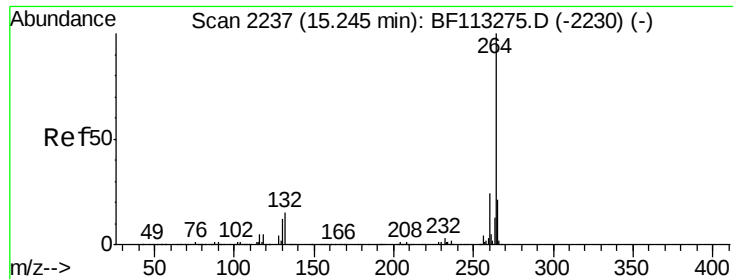
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#86
Indeno(1,2,3-cd)pyrene
Concen: 35.254 ng
RT: 16.61 min Scan# 2469
Delta R.T. 0.01 min
Lab File: BF113343.D
Acq: 27 Mar 2019 21:04

Tgt Ion:276 Resp: 643952
Ion Ratio Lower Upper
276 100
138 20.8 18.1 27.1
277 24.4 20.2 30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.01 min

Lab File: BF113343.D

Acq: 27 Mar 2019 21:04

Instrument :

BNA_F

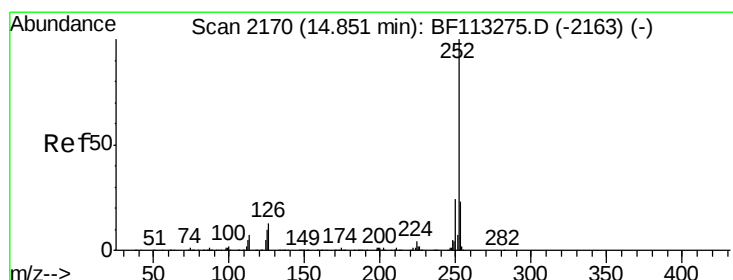
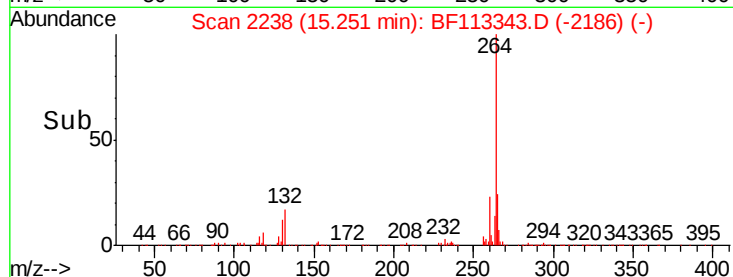
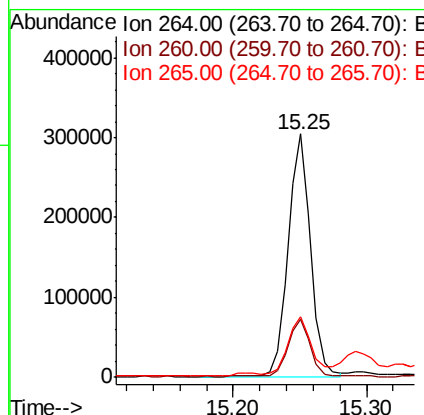
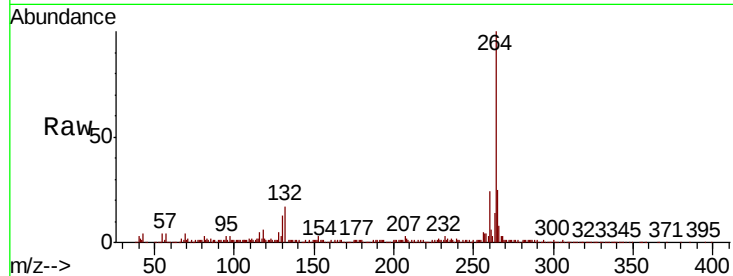
ClientSampleId :

CS-17

Tot Ion:	264	Resp:	356452
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.1	28.7
265	24.9	17.1	25.7

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 120.879 ng m

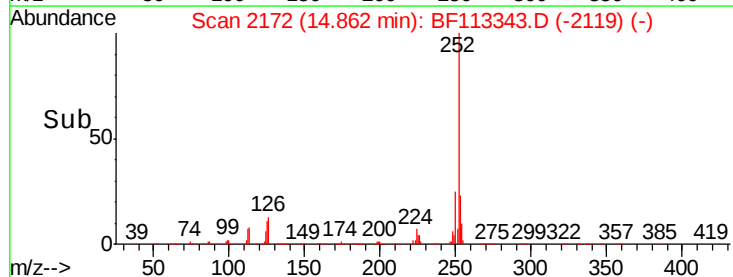
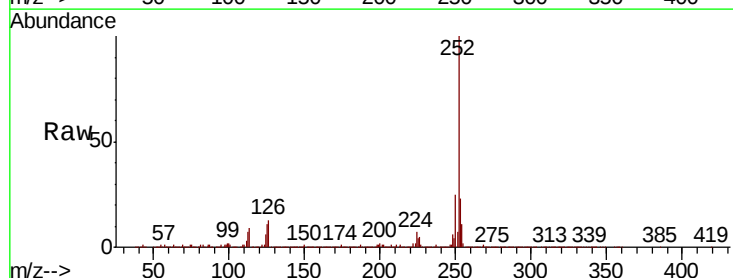
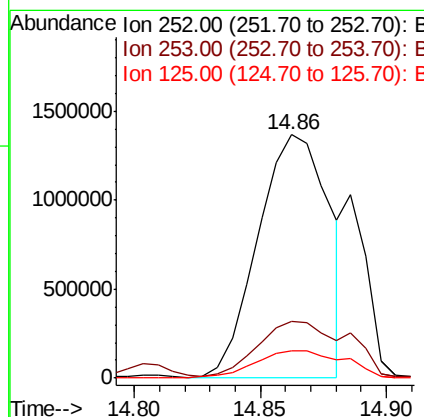
RT: 14.86 min Scan# 2172

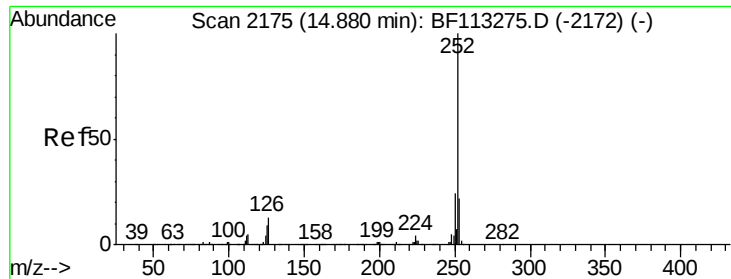
Delta R.T. 0.01 min

Lab File: BF113343.D

Acq: 27 Mar 2019 21:04

Tgt Ion:	252	Resp:	2676591
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.0	27.0
125	11.1	7.6	11.4





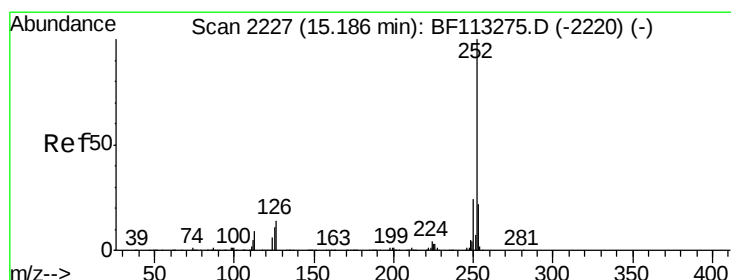
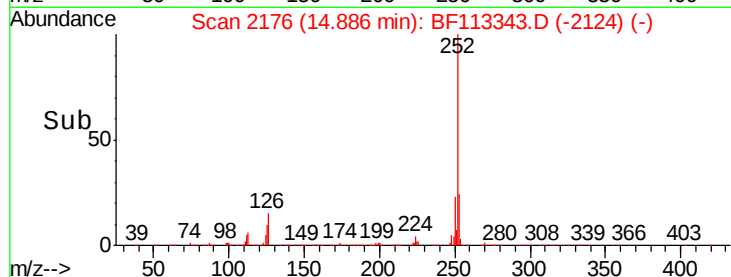
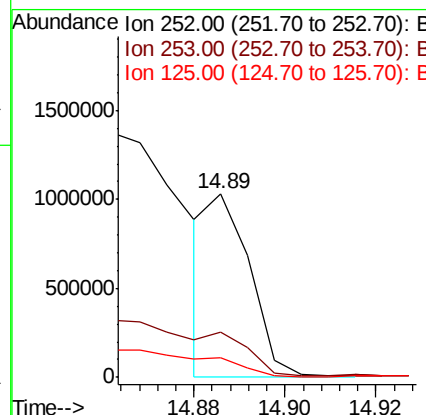
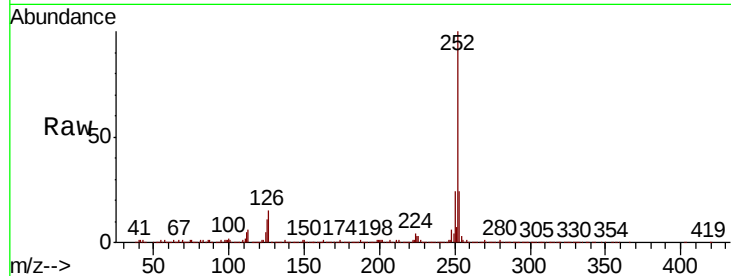
#89
Benzo(k)fluoranthene
Concen: 33.709 ng m
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF113343.D
Acq: 27 Mar 2019 21:04

Instrument :
BNA_F
ClientSampled :
CS-17

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.7	26.5
125	10.6	7.3	10.9

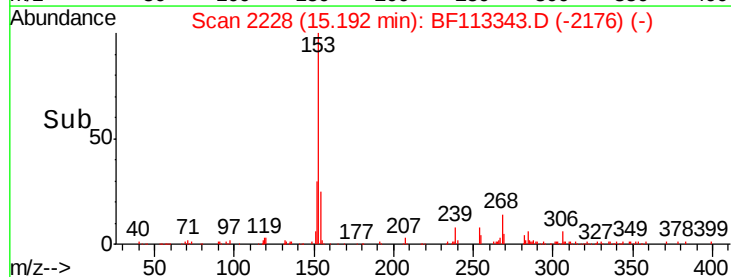
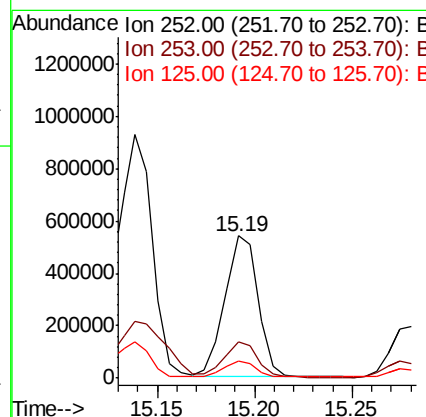
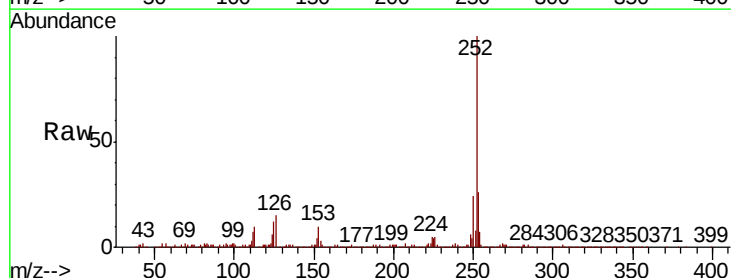
Manual Integrations
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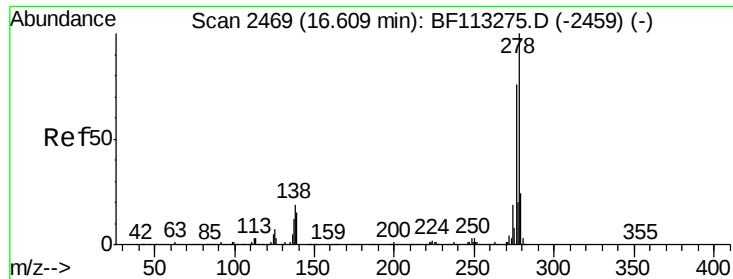
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#90
Benzo(a)pyrene
Concen: 32.469 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF113343.D
Acq: 27 Mar 2019 21:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.9	26.9
125	12.2	8.8	13.2





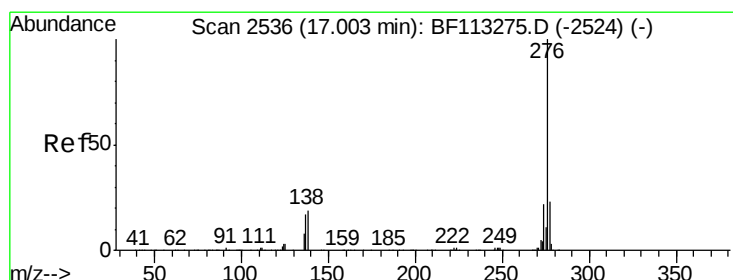
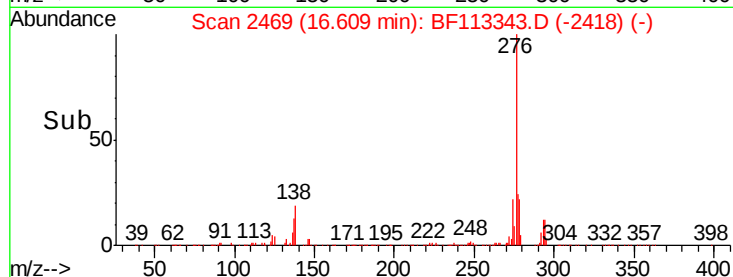
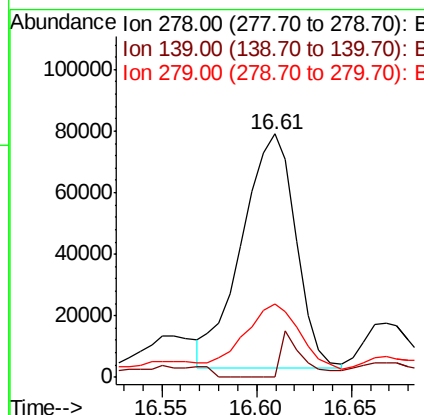
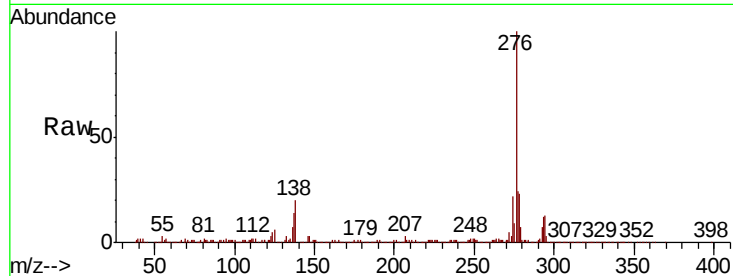
#91
Dibenzo(a,h)anthracene
Concen: 8.896 ng m
RT: 16.61 min Scan# 2469
Delta R.T. -0.00 min
Lab File: BF113343.D
Acq: 27 Mar 2019 21:04

Instrument :
BNA_F
ClientSampled :
CS-17

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	29.9	19.0	28.6#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 33.776 ng
RT: 17.02 min Scan# 2538
Delta R.T. 0.01 min
Lab File: BF113343.D
Acq: 27 Mar 2019 21:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.8	28.2
138	20.3	15.6	23.4

