

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
 Data File : BF112433.D
 Acq On : 7 Feb 2019 12:37
 Operator : JU/SJ
 Sample : K1385-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 98-SB-01-2-4

Manual Integrations
 APPROVED

Sohil
 2/11/2019 4:49:50 PM

Quant Time: Feb 11 09:49:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	144482	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	568289	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	282260	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	534872	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	346746	20.00	ng	-0.01
87) Perylene-d12	15.47	264	321013	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	909986	133.78	ng	-0.01
7) Phenol-d6	6.48	99	1169581	123.74	ng	-0.01
23) Nitrobenzene-d5	7.39	82	724324	73.44	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	352219	107.21	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1402947	70.30	ng	-0.02
79) Terphenyl-d14	12.94	244	1333858	72.45	ng	-0.01
Target Compounds						
10) Phenol	6.49	94	24513	2.364	ng	93
50) Dimethylphthalate	9.58	163	115683	5.275	ng	99
71) Phenanthrene	11.38	178	120157	4.321	ng	98
75) Fluoranthene	12.57	202	263892	8.848	ng	97
78) Pyrene	12.80	202	235025	9.790	ng	96
81) Benzo(a)anthracene	13.99	228	108186	5.308	ng	98
83) Chrysene	14.03	228	104482	5.370	ng	97
86) Indeno(1,2,3-cd)pyrene	16.95	276	59253	3.843	ng	96
88) Benzo(b)fluoranthene	15.04	252	126966m	6.613	ng	
89) Benzo(k)fluoranthene	15.07	252	50995m	2.773	ng	
90) Benzo(a)pyrene	15.41	252	90103	5.216	ng	97
92) Benzo(a,h,i)perylene	17.40	276	57904	4.408	ng	98

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

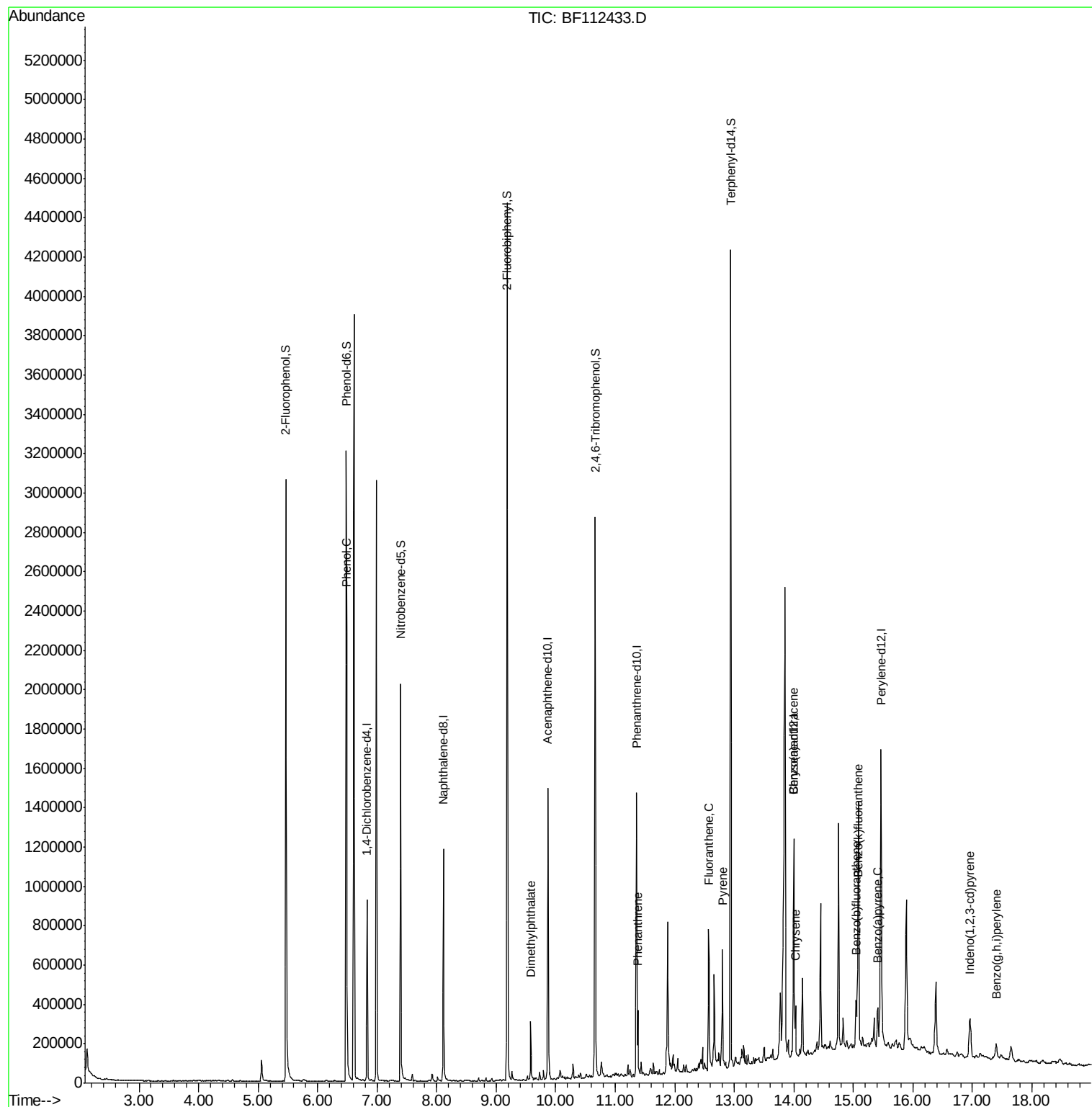
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
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Operator : JU/SJ
Sample : K1385-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

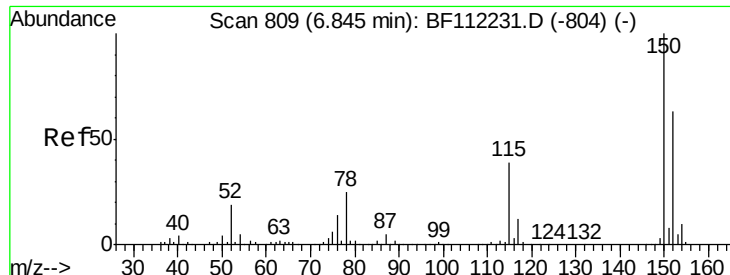
Instrument :
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98-SB-01-2-4

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#1

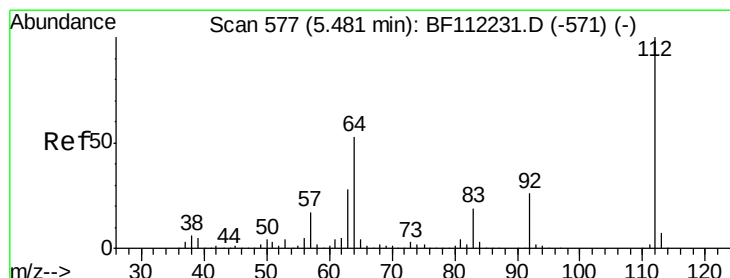
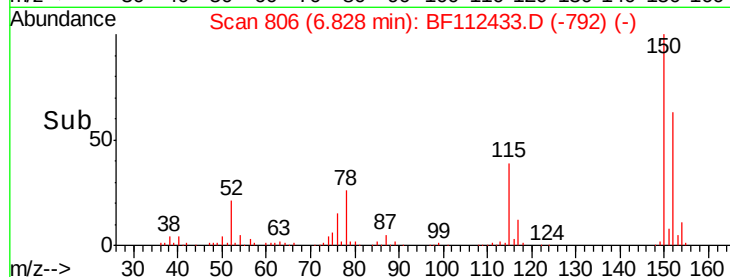
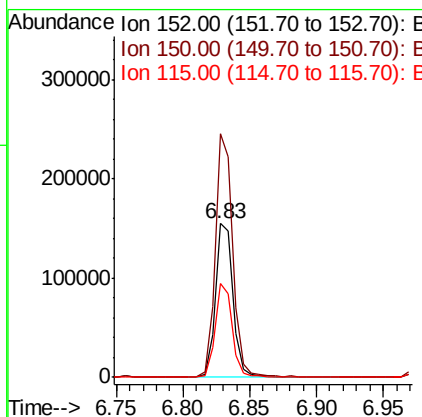
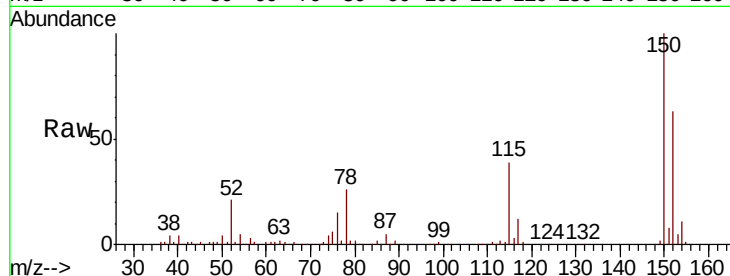
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Instrument :
BNA_F
ClientSampleId :
98-SB-01-2-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	127.4	191.0
115	61.4	45.5	68.3

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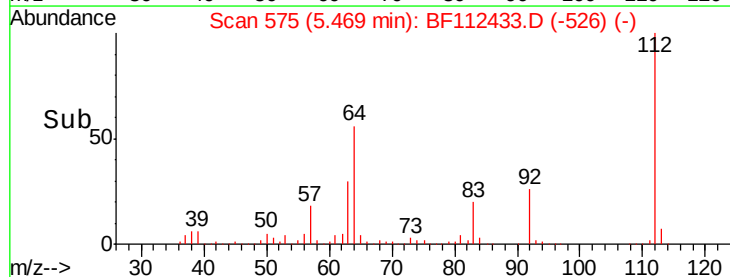
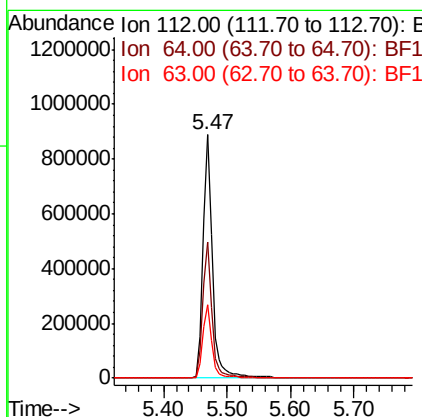
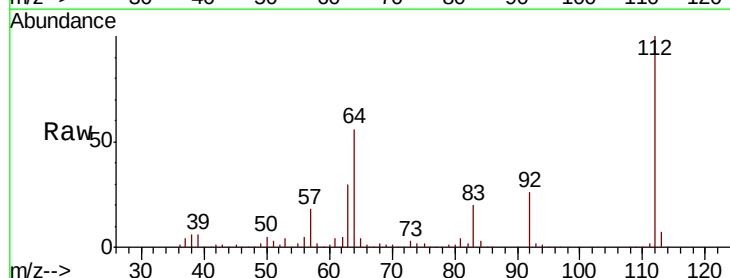
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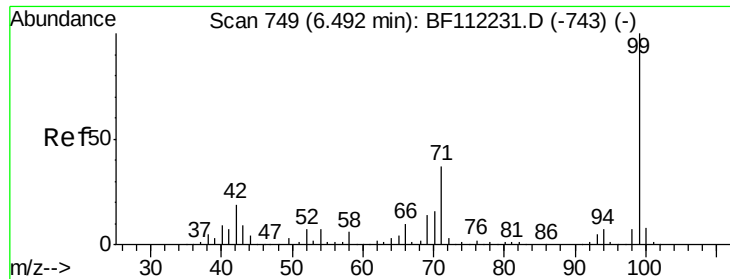


#5

2-Fluorophenol
Concen: 133.779 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	45.7	68.5
63	30.3	23.6	35.4





#7

Phenol-d6

Concen: 123.740 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112433.D

Acq: 7 Feb 2019 12:37

Instrument :

BNA_F

ClientSampled :

98-SB-01-2-4

Tot Ion: 99 Resp: 1169581

Ion Ratio Lower Upper

99 100

42 19.1 15.1 22.7

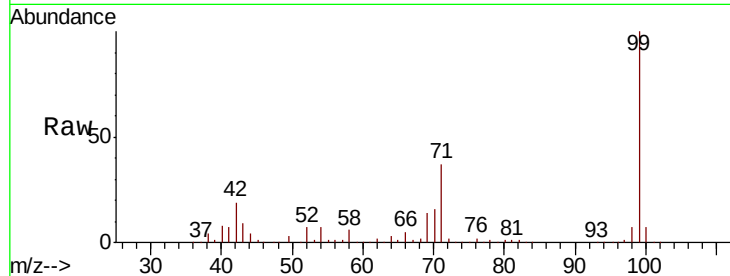
71 37.3 26.9 40.3

Manual Integrations

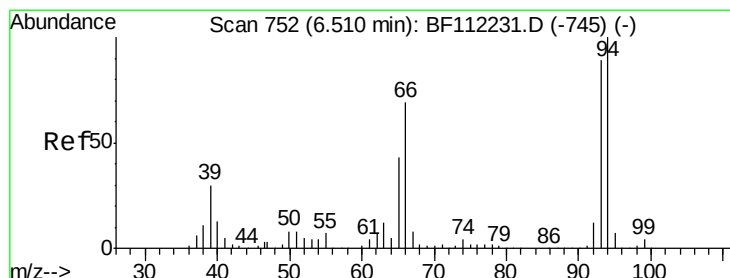
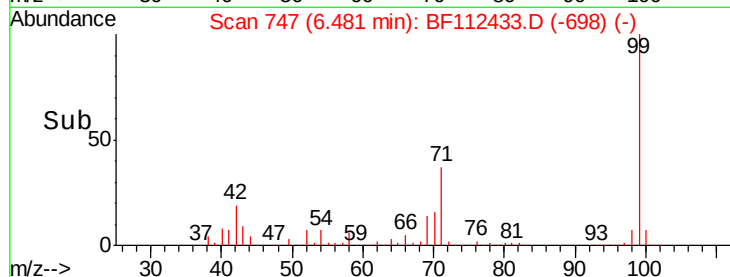
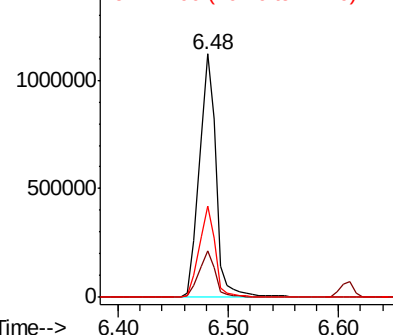
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.364 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF112433.D

Acq: 7 Feb 2019 12:37

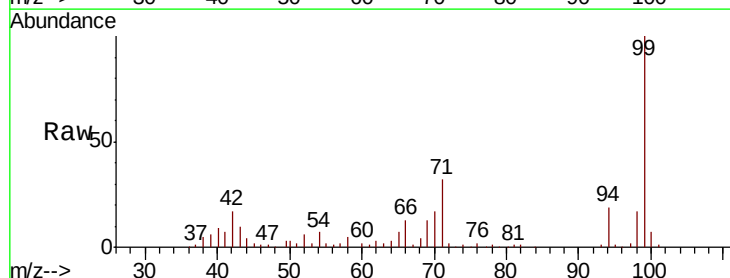
Tgt Ion: 94 Resp: 24513

Ion Ratio Lower Upper

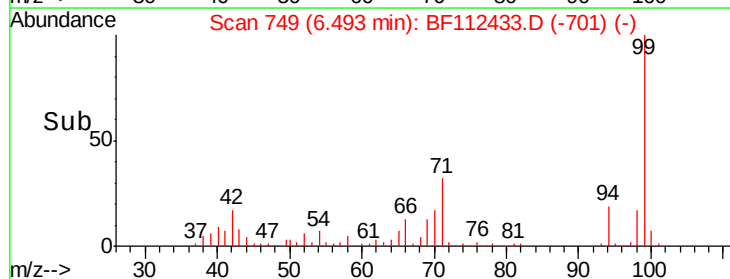
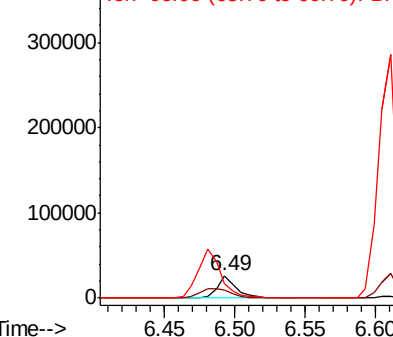
94 100

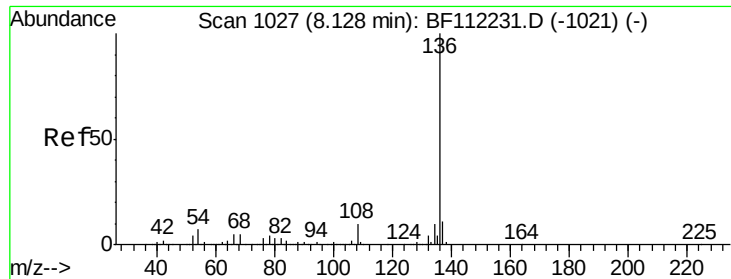
65 34.8 20.3 60.3

66 67.0 42.4 82.4



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF112433.D

Acq: 7 Feb 2019 12:37

Instrument :

BNA_F

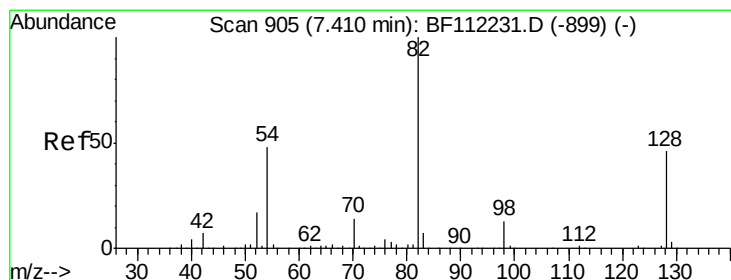
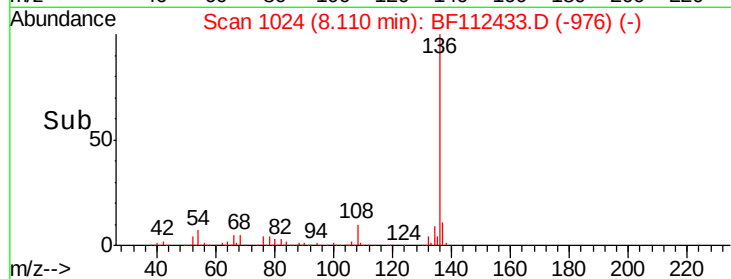
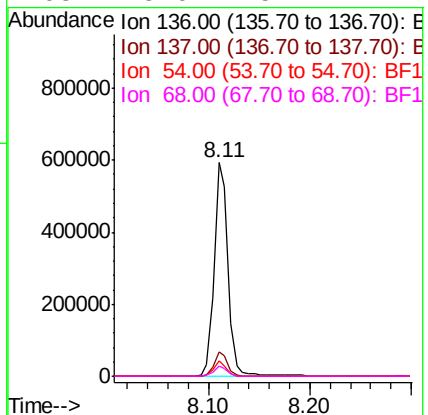
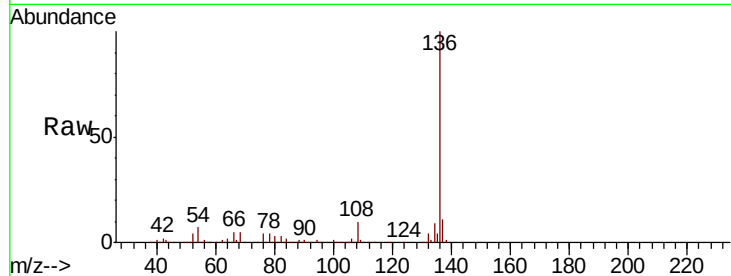
ClientSampleId :

98-SB-01-2-4

Tot Ion	Ratio	Resp	Lower	Upper
136	100	568289		
137	11.1		9.1	13.7
54	6.9		5.9	8.9
68	5.0		5.1	7.7#

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#23

Nitrobenzene-d5

Concen: 73.440 ng

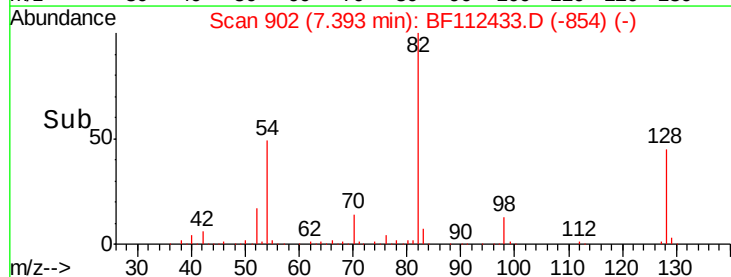
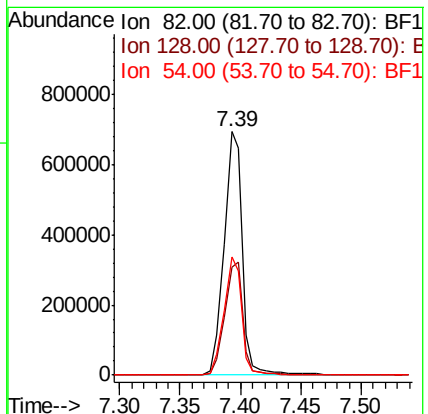
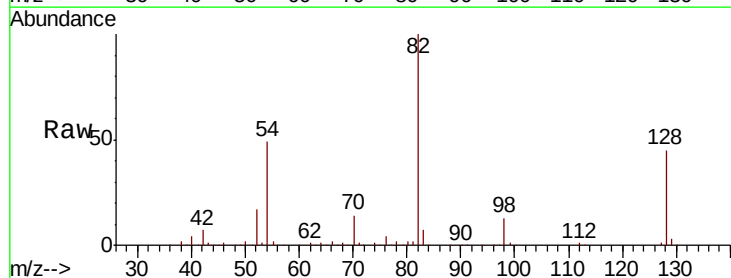
RT: 7.39 min Scan# 902

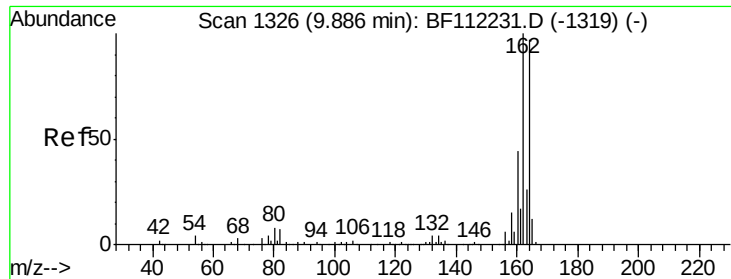
Delta R.T. -0.02 min

Lab File: BF112433.D

Acq: 7 Feb 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	724324		
128	44.6		37.8	56.8
54	48.6		39.7	59.5





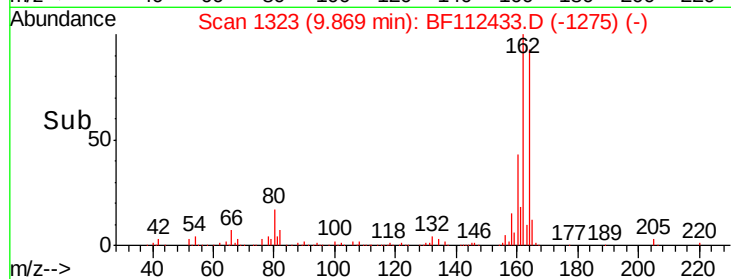
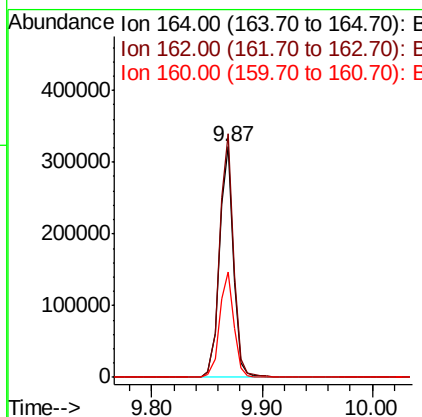
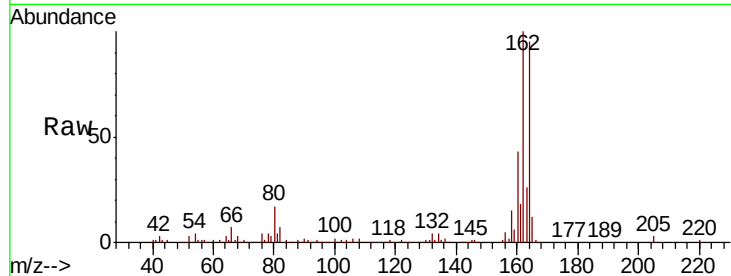
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF112433.D
 Acq: 7 Feb 2019 12:37

Instrument :
 BNA_F
 ClientSampleId :
 98-SB-01-2-4

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.8	82.2	123.4
160	45.7	36.2	54.4

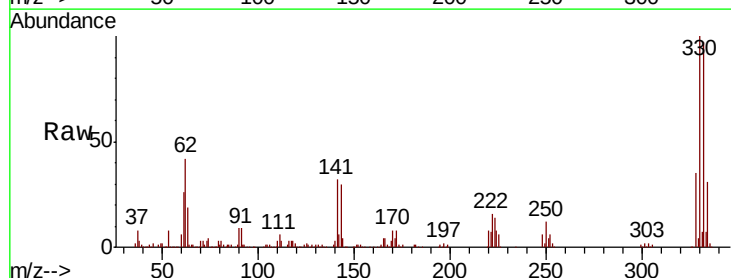
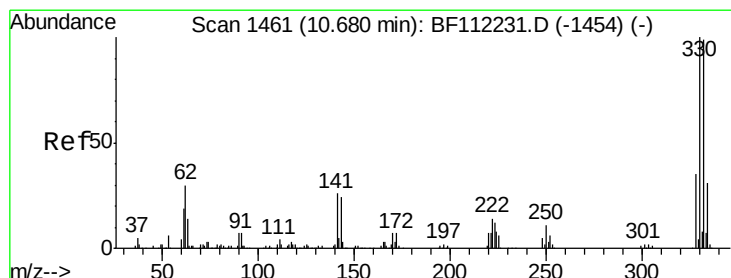
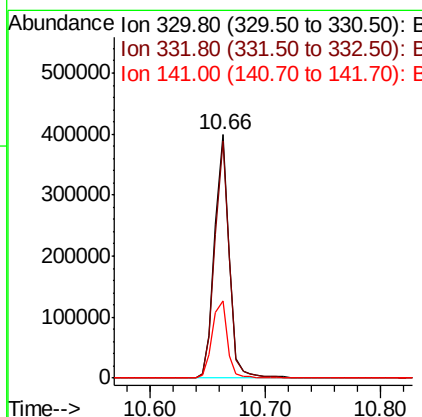
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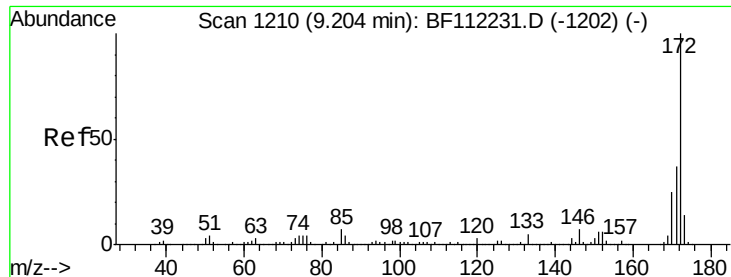
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#42
 2,4,6-Tribromophenol
 Concen: 107.206 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112433.D
 Acq: 7 Feb 2019 12:37

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	114.8
141	33.5	24.3	36.5





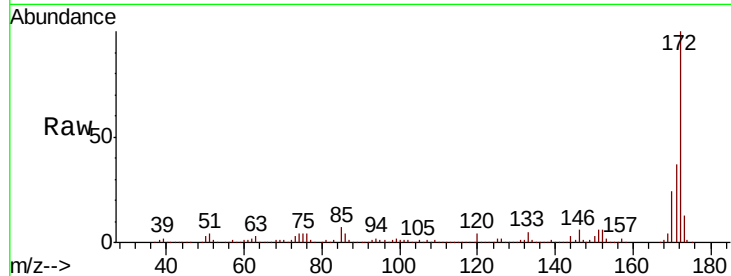
#45
2-Fluorobiphenyl
Concen: 70.298 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Instrument :
BNA_F
ClientSampleId :
98-SB-01-2-4

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.5	45.7
170	23.5	20.2	30.4

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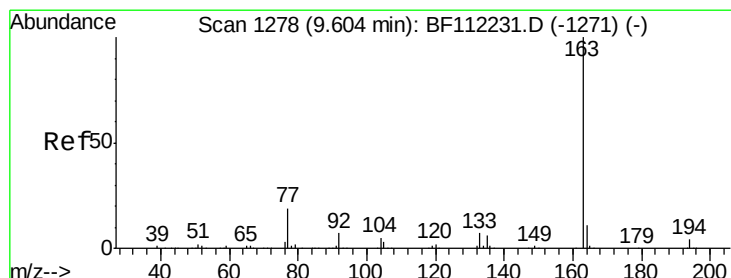
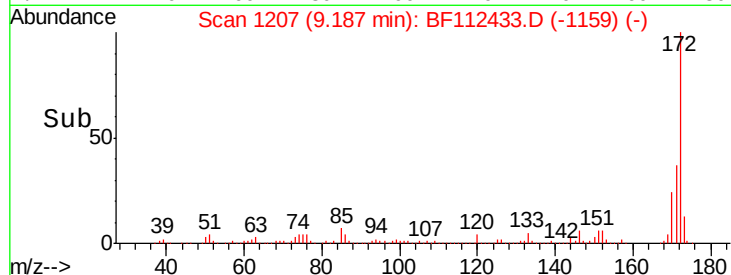
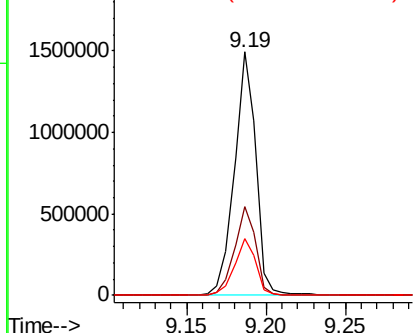


Abundance

Ion 172.00 (171.70 to 172.70): E

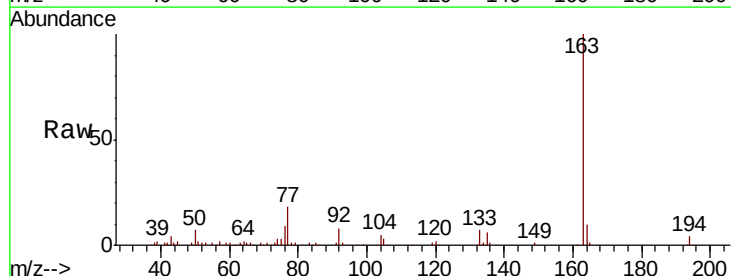
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 5.275 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.2	8.5	12.7

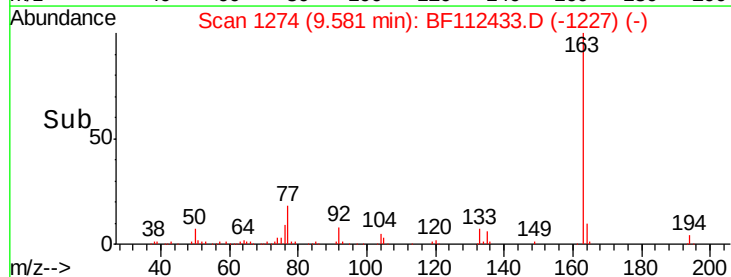
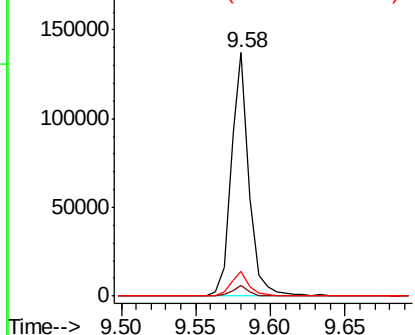


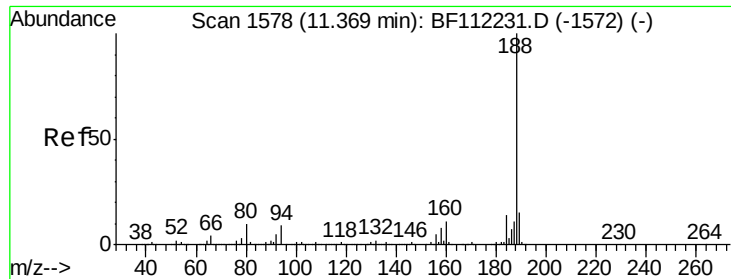
Abundance

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





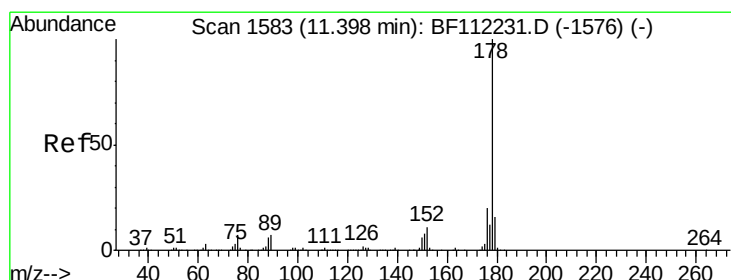
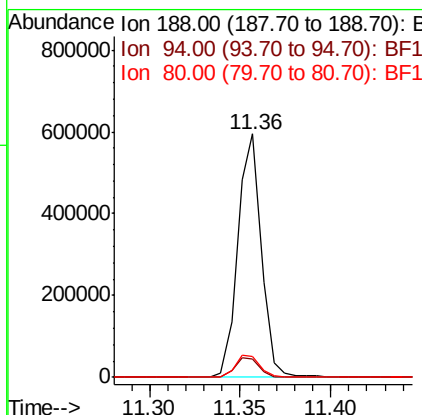
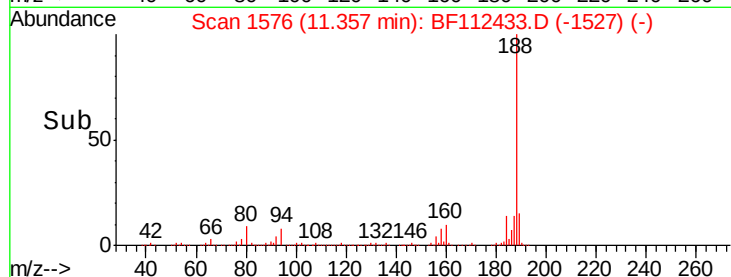
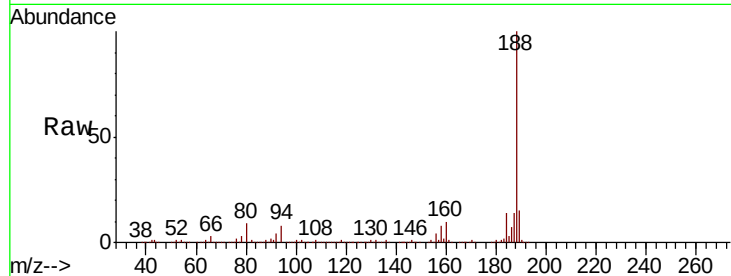
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Instrument :
BNA_F
ClientSampleId :
98-SB-01-2-4

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.8	8.2	12.2#
80	8.8	8.9	13.3#

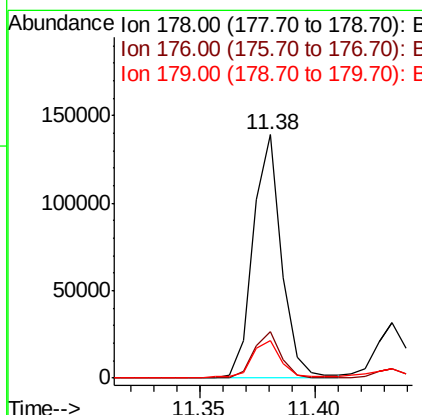
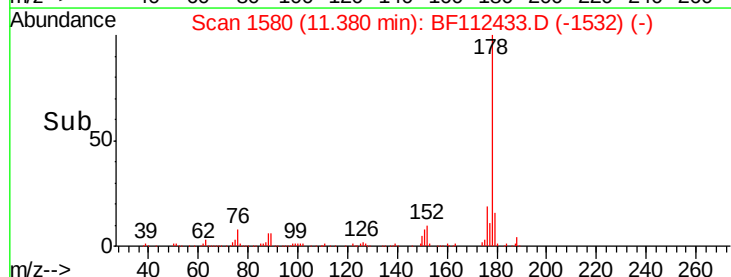
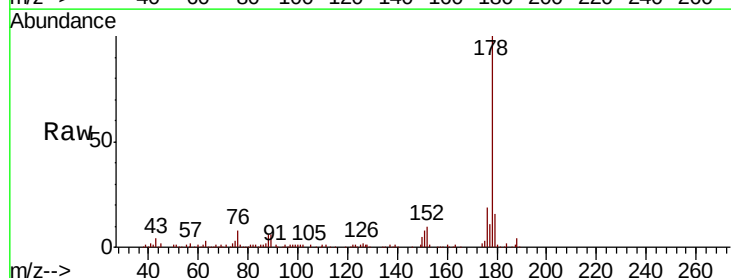
Manual Integrations
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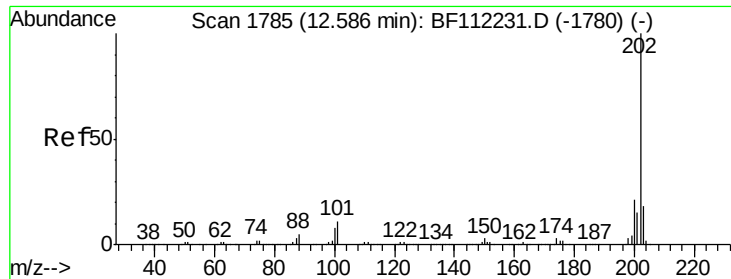
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#71
Phenanthrene
Concen: 4.321 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	16.3	24.5
179	15.6	13.0	19.4





#75

Fluoranthene

Concen: 8.848 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.02 min

Lab File: BF112433.D

Acq: 7 Feb 2019 12:37

Instrument :

BNA_F

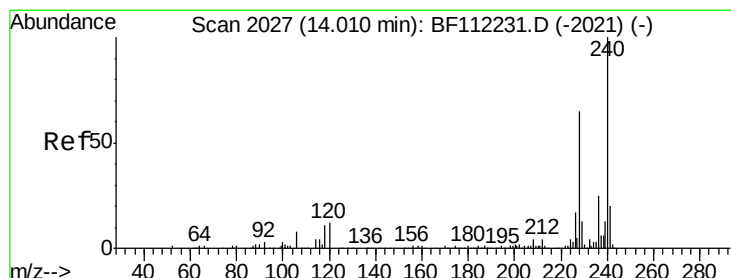
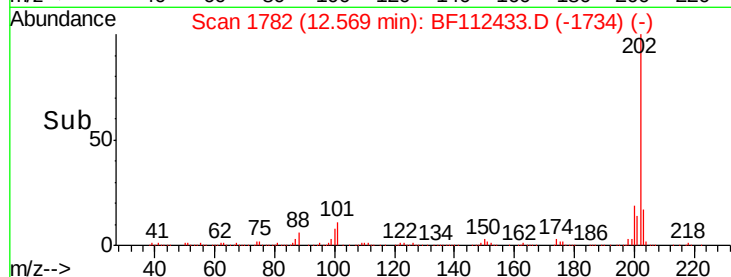
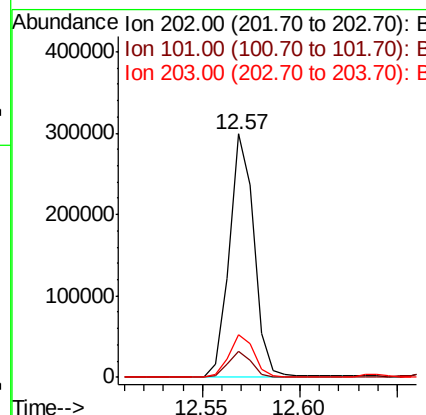
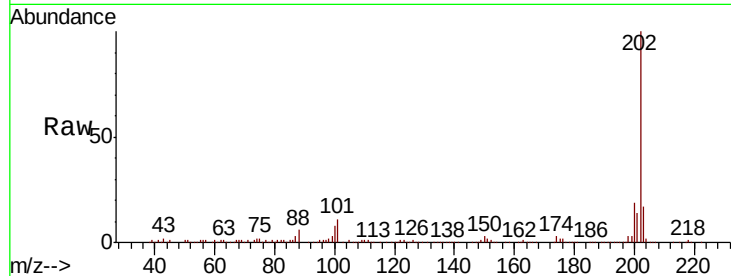
ClientSampleId :

98-SB-01-2-4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.6	0.0	31.8
203	17.3	0.0	38.4

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

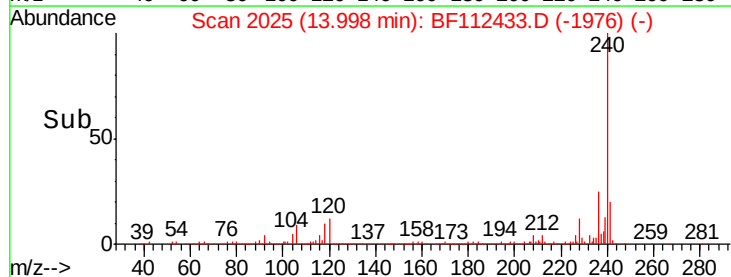
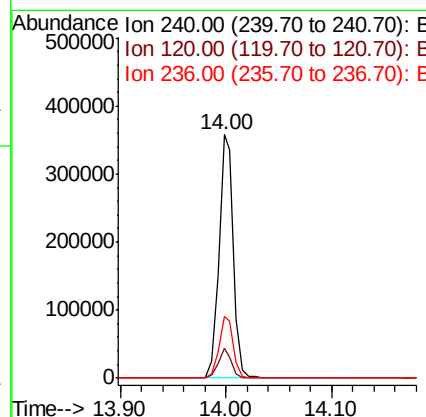
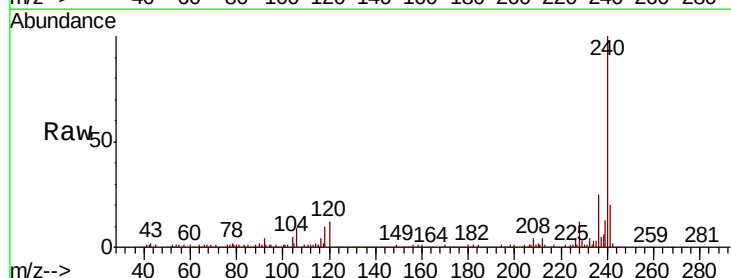
RT: 14.00 min Scan# 2025

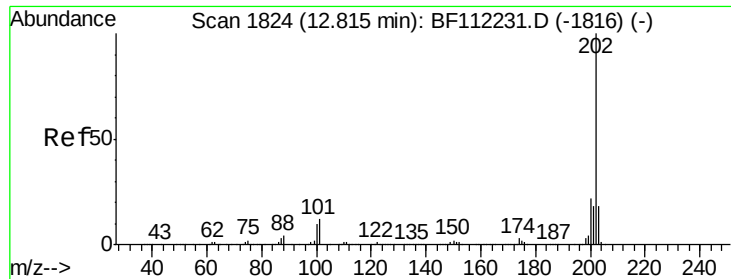
Delta R.T. -0.01 min

Lab File: BF112433.D

Acq: 7 Feb 2019 12:37

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.2	9.0	13.6
236	25.5	20.7	31.1





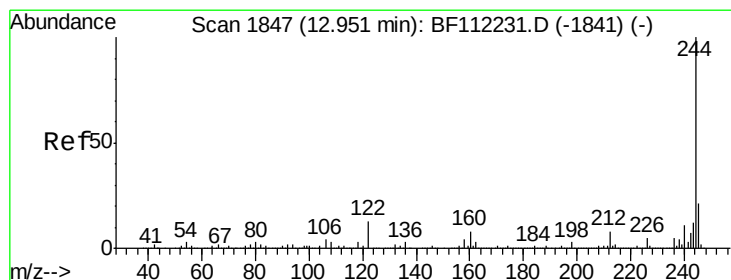
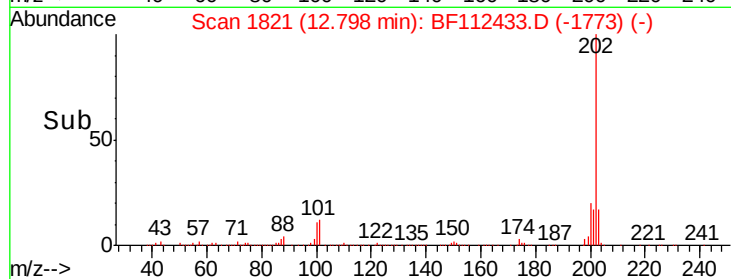
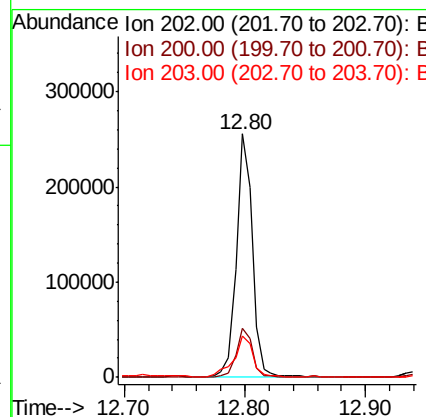
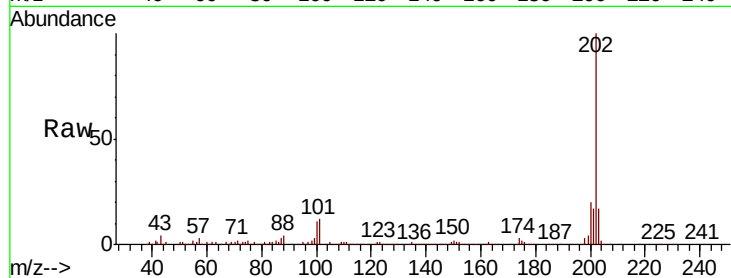
#78
Pvrene
Concen: 9.790 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Instrument :
BNA_F
ClientSampleId :
98-SB-01-2-4

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.7	26.5
203	16.8	14.6	22.0

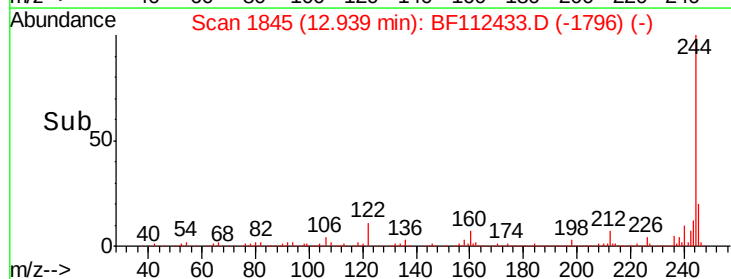
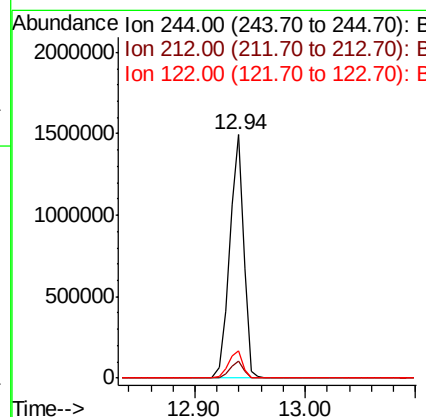
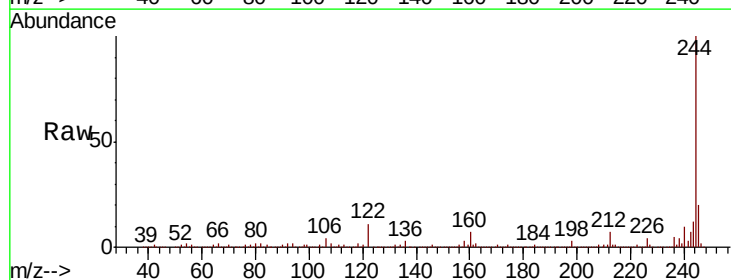
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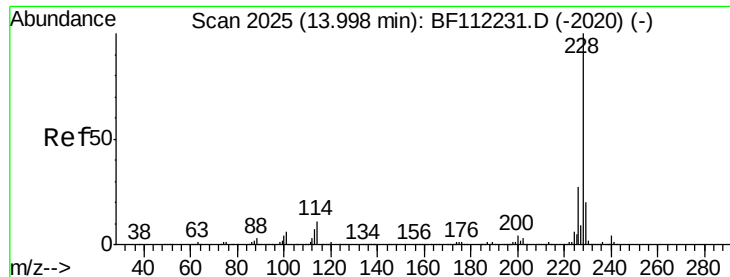
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2/11/2019 4:49:50 PM



#79
Terphenyl-d14
Concen: 72.452 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	11.3	9.8	14.6





#81

Benzo(a)anthracene

Concen: 5.308 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112433.D

Acq: 7 Feb 2019 12:37

Instrument :

BNA_F

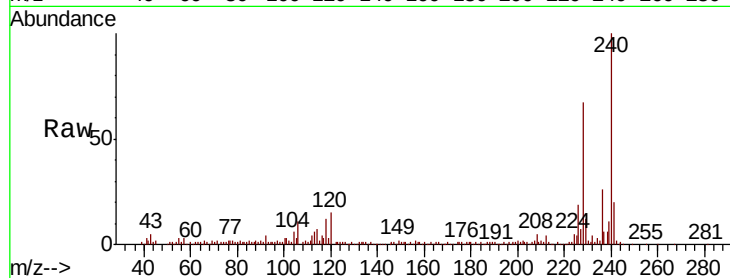
ClientSampled :

98-SB-01-2-4

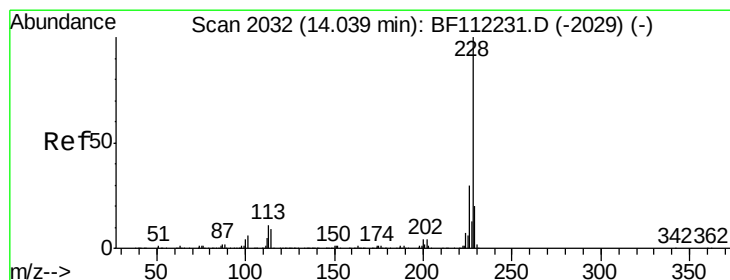
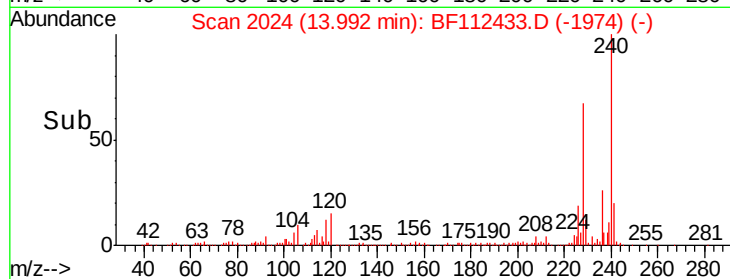
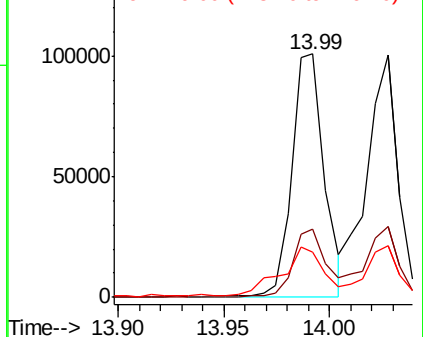
Tot Ion:	228	Resp:	108186
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.6	34.0
229	18.5	16.5	24.7

Manual Integrations
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 5.370 ng

RT: 14.03 min Scan# 2030

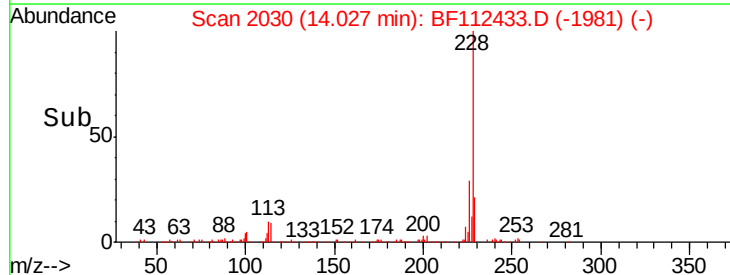
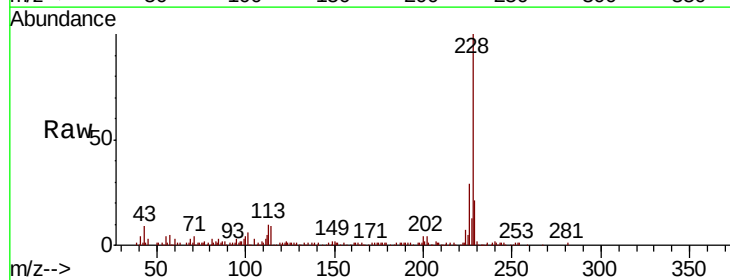
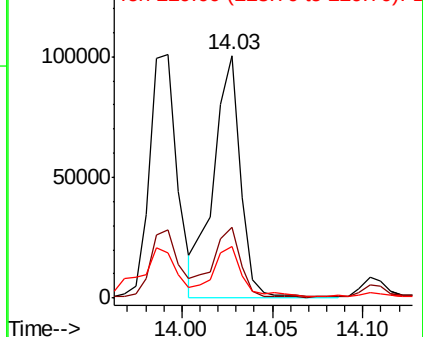
Delta R.T. -0.01 min

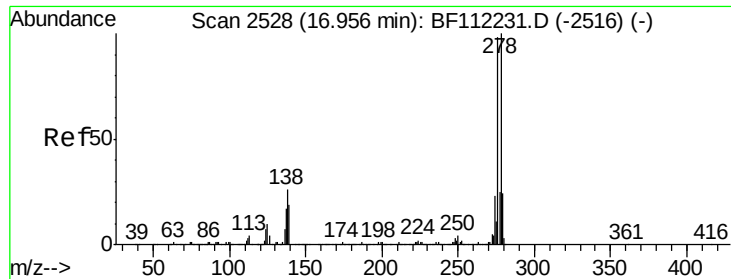
Lab File: BF112433.D

Acq: 7 Feb 2019 12:37

Tgt Ion:	228	Resp:	104482
Ion Ratio	Lower	Upper	
228	100		
226	28.9	25.0	37.6
229	21.5	16.6	24.8

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





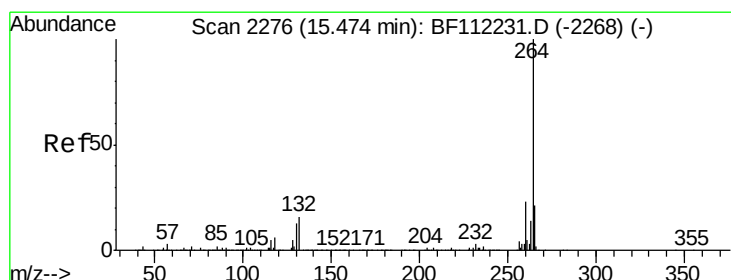
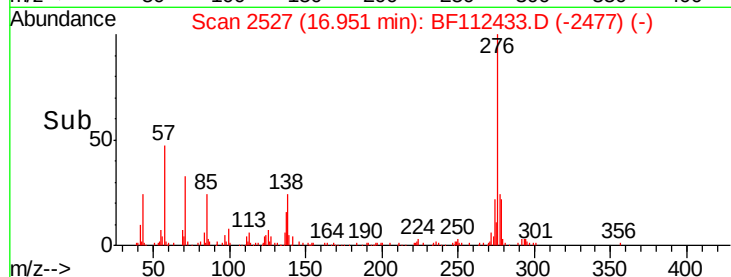
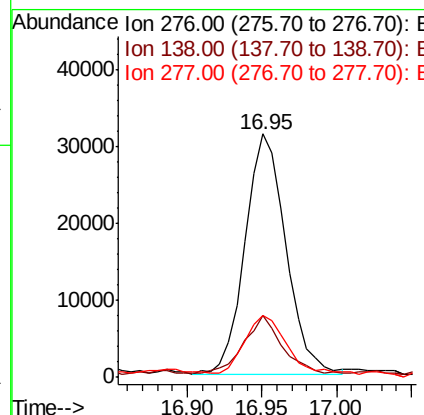
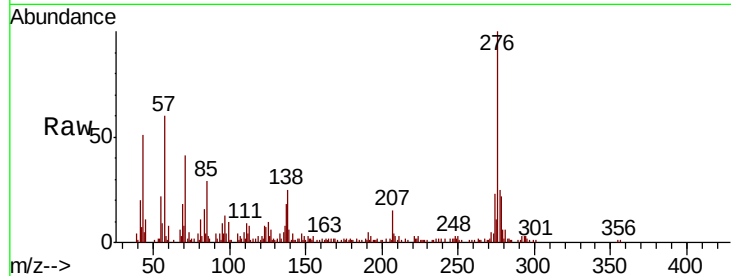
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.843 ng
 RT: 16.95 min Scan# 2527
 Delta R.T. -0.01 min
 Lab File: BF112433.D
 Acq: 7 Feb 2019 12:37

Instrument :
 BNA_F
 ClientSampleId :
 98-SB-01-2-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.8	22.6	34.0
277	25.4	20.3	30.5

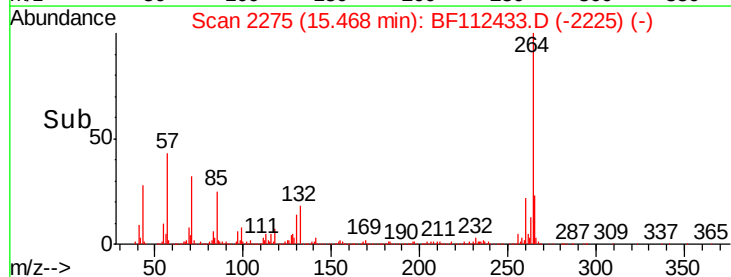
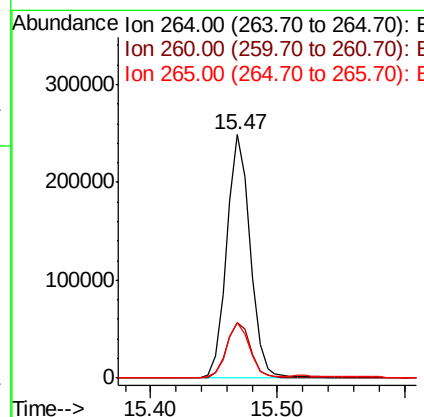
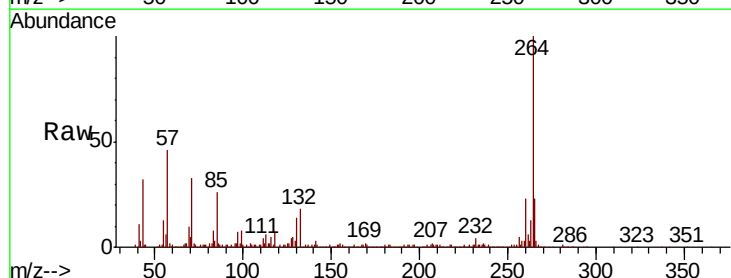
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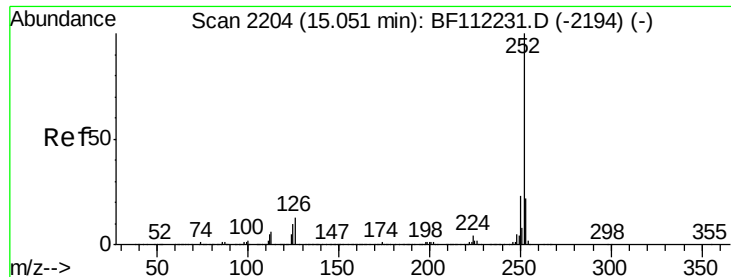
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF112433.D
 Acq: 7 Feb 2019 12:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.2	27.2
265	22.8	17.0	25.4





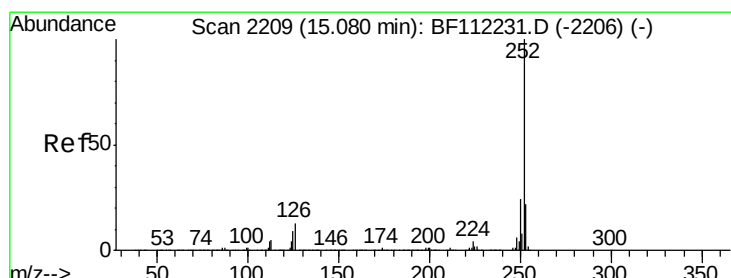
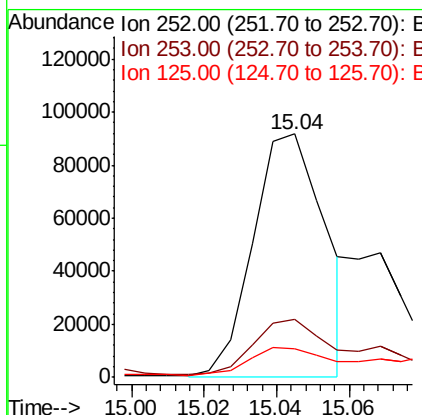
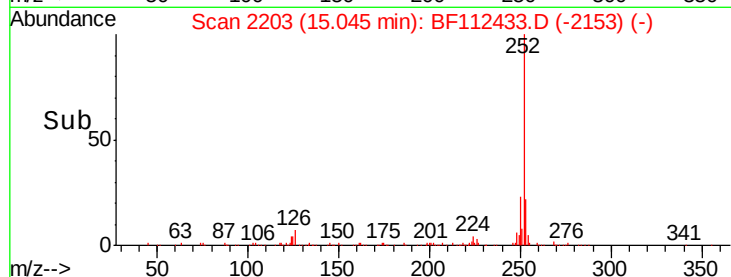
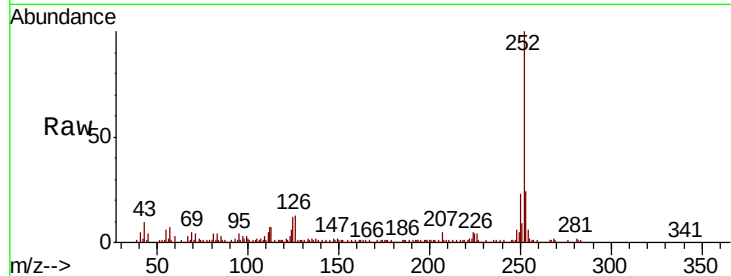
#88
Benzo(b)fluoranthene
Concen: 6.613 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Instrument :
BNA_F
ClientSampleId :
98-SB-01-2-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	12.0	8.7	13.1

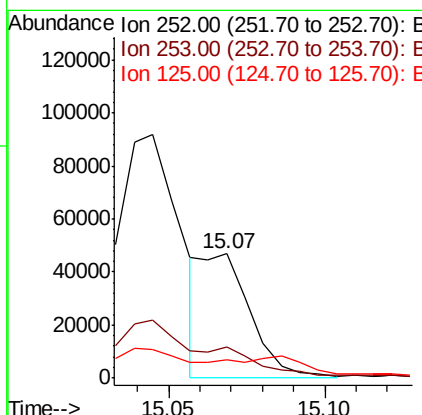
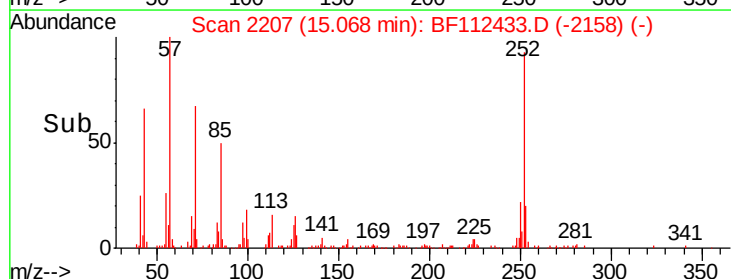
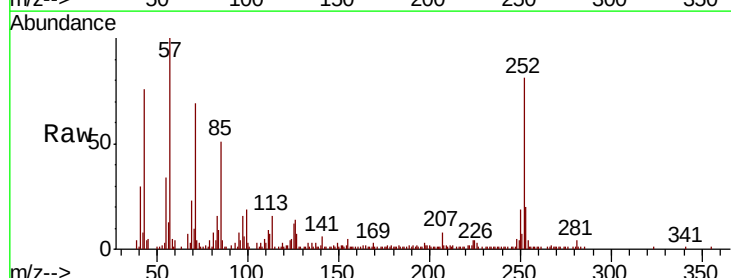
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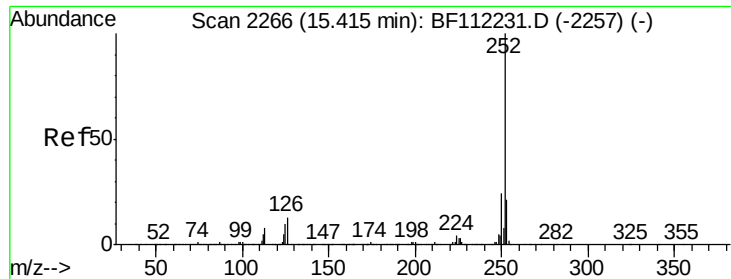
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#89
Benzo(k)fluoranthene
Concen: 2.773 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.0	27.0
125	14.5	9.1	13.7#





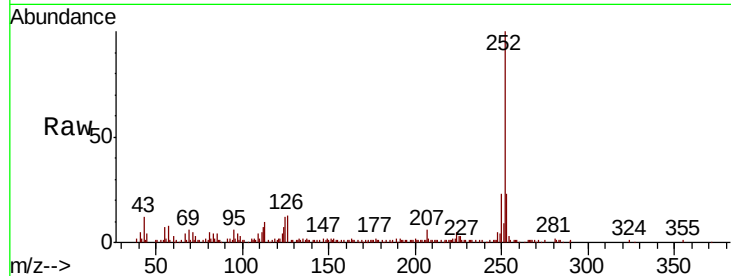
#90
Benzo(a)pyrene
Concen: 5.216 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Instrument :
BNA_F
ClientSampled :
98-SB-01-2-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	11.6	9.0	13.4

Manual Integrations
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2/11/2019 4:49:50 PM

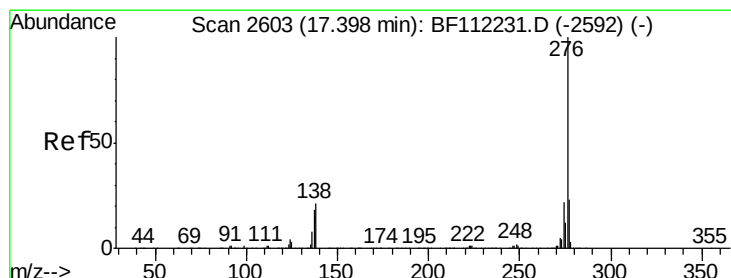
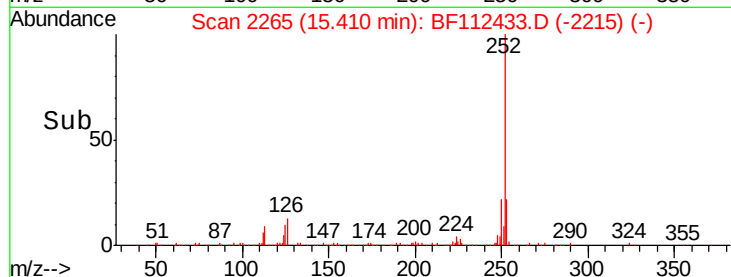
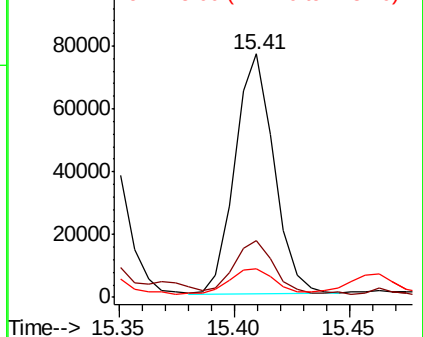


Abundance

Ion 252.00 (251.70 to 252.70): E

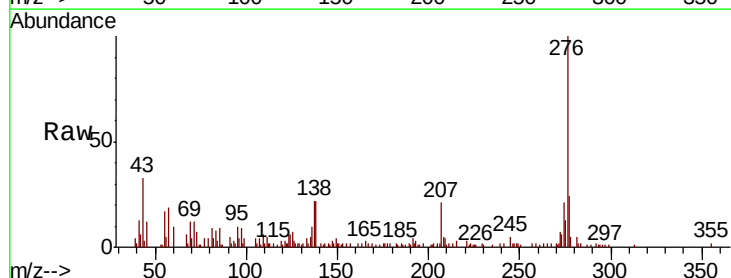
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.408 ng
RT: 17.40 min Scan# 2603
Delta R.T. 0.00 min
Lab File: BF112433.D
Acq: 7 Feb 2019 12:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.4	29.0
138	22.4	19.1	28.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

