

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
 Data File : BF112473.D
 Acq On : 8 Feb 2019 21:25
 Operator : JU/SJ
 Sample : K1385-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 2/11/2019 10:00:47 AM

Quant Time: Feb 09 05:58:41 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	153168	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	579525	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	267889	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	443830	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	291822	20.00	ng	0.00
87) Perylene-d12	15.47	264	299580	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	902427	125.14	ng	0.00
7) Phenol-d6	6.49	99	1141888	113.96	ng	0.00
23) Nitrobenzene-d5	7.40	82	740383	73.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	247229	79.29	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1403366	74.09	ng	-0.02
79) Terphenyl-d14	12.94	244	1060509	68.45	ng	-0.01
Target Compounds						
10) Phenol	6.50	94	23371	2.126	ng	90
50) Dimethylphthalate	9.58	163	111121	5.339	ng	99
71) Phenanthrene	11.38	178	98387	4.264	ng	97
75) Fluoranthene	12.57	202	201364	8.136	ng	96
78) Pyrene	12.80	202	176053	8.714	ng	95
81) Benzo(a)anthracene	13.99	228	91865	5.355	ng	99
83) Chrysene	14.03	228	81540	4.979	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	44488	3.429	ng	95
88) Benzo(b)fluoranthene	15.04	252	119637m	6.678	ng	
89) Benzo(k)fluoranthene	15.07	252	44714m	2.606	ng	
90) Benzo(a)pyrene	15.42	252	82178	5.098	ng	96
92) Benzo(a,h,i)perylene	17.41	276	43770	3.571	ng	98

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

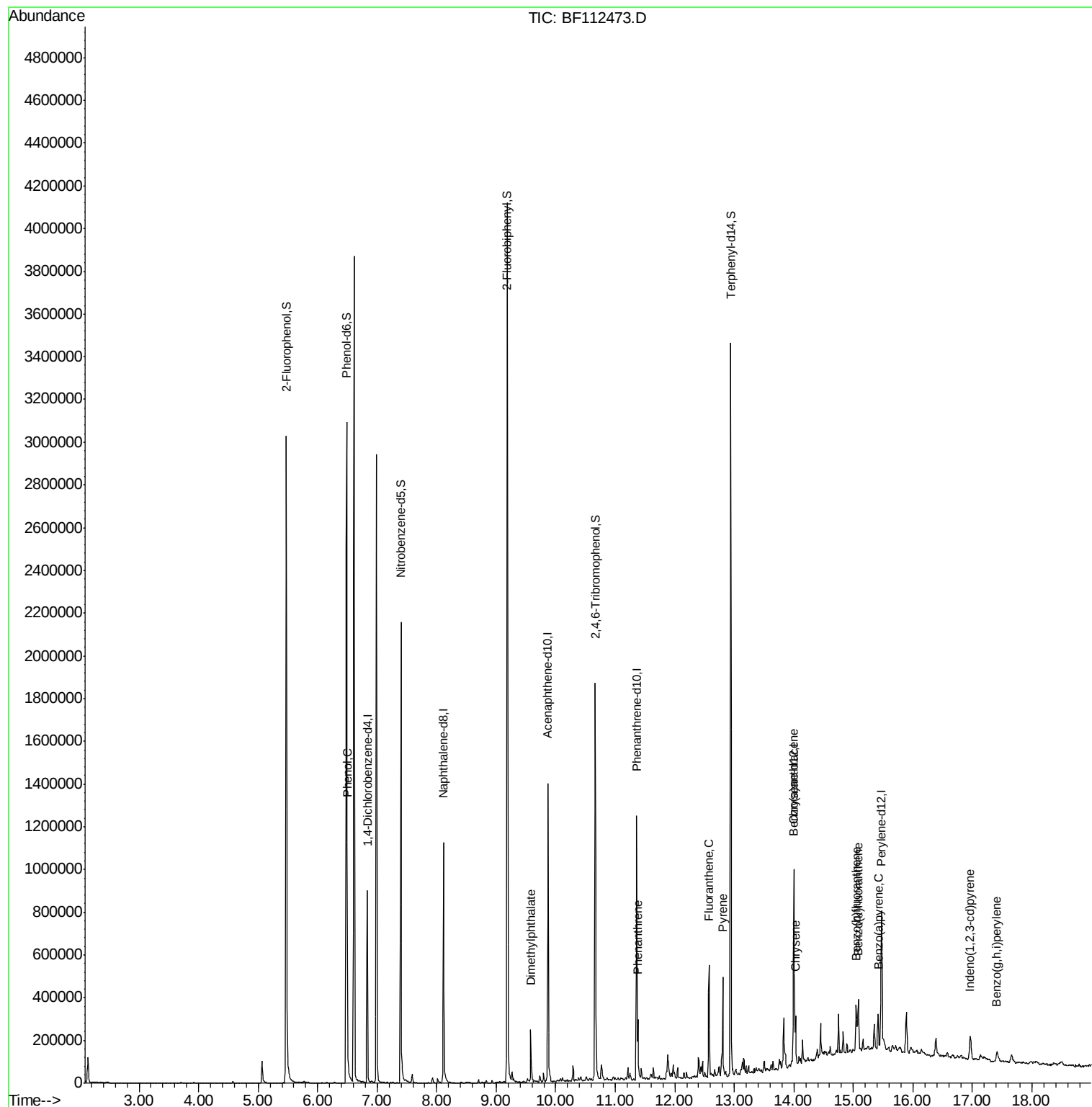
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
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ALS Vial : 18 Sample Multiplier: 1

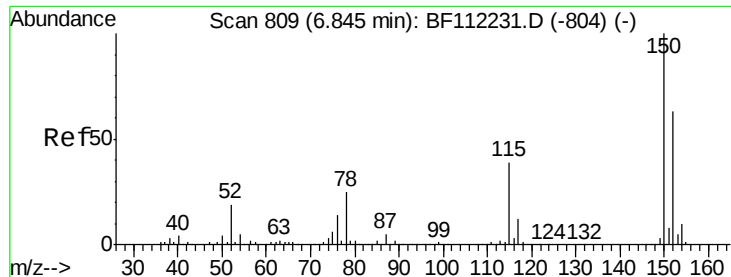
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#1

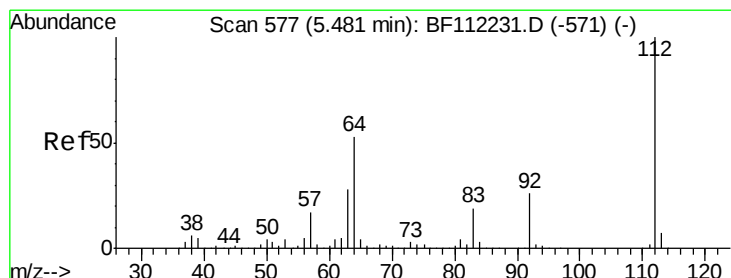
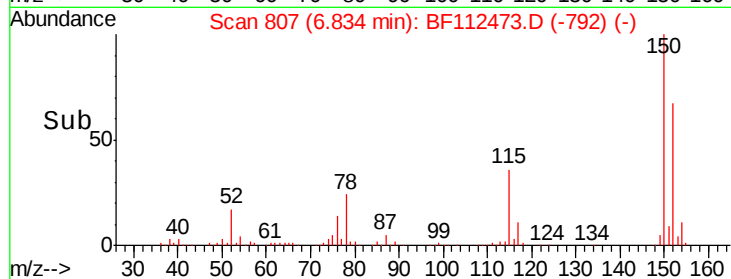
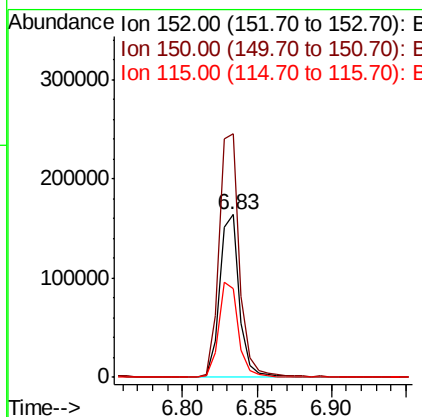
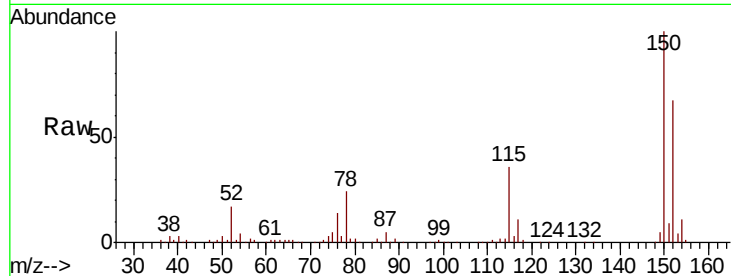
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112473.D
Acq: 8 Feb 2019 21:25

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.7	127.4	191.0
115	54.5	45.5	68.3

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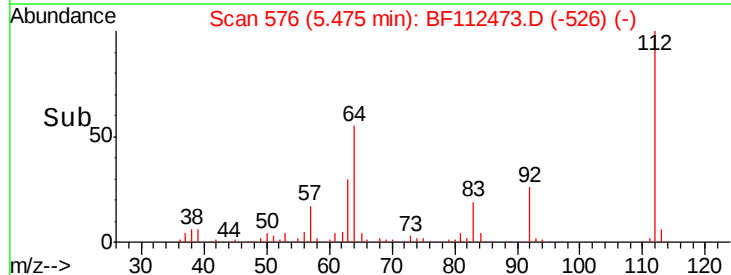
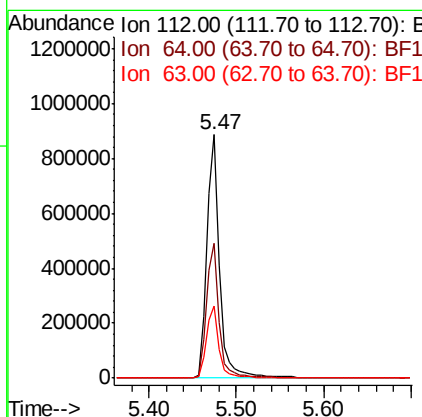
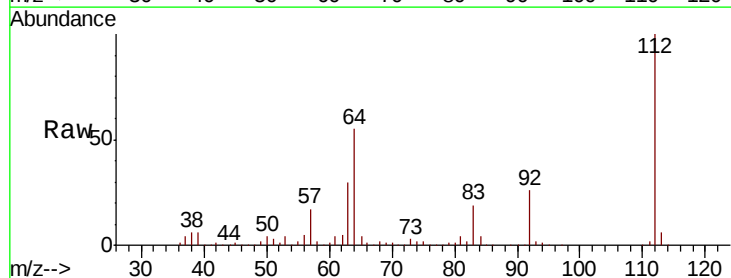
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#5

2-Fluorophenol
Concen: 125.145 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112473.D
Acq: 8 Feb 2019 21:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	45.7	68.5
63	29.8	23.6	35.4





#7

Phenol-d6

Concen: 113.959 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112473.D

Acq: 8 Feb 2019 21:25

Instrument :

BNA_F

ClientSampleId :

98-SB-01-2-4

Tot Ion: 99 Resp: 1141888

Ion Ratio Lower Upper

99 100

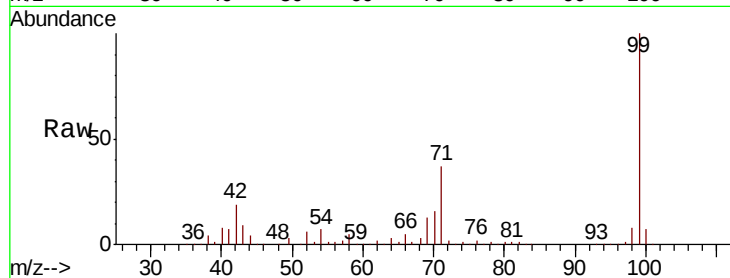
42 18.6 15.1 22.7

71 36.6 26.9 40.3

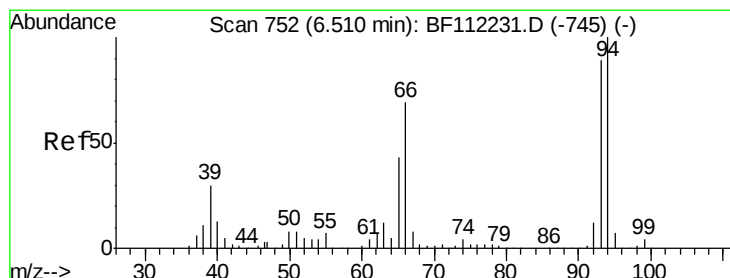
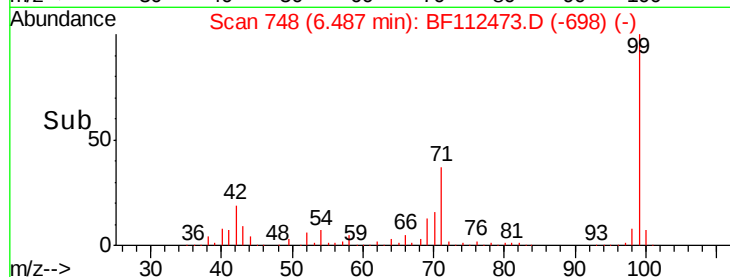
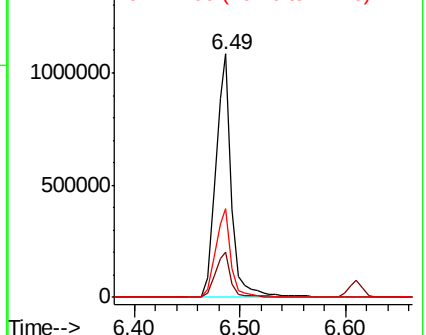
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.126 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112473.D

Acq: 8 Feb 2019 21:25

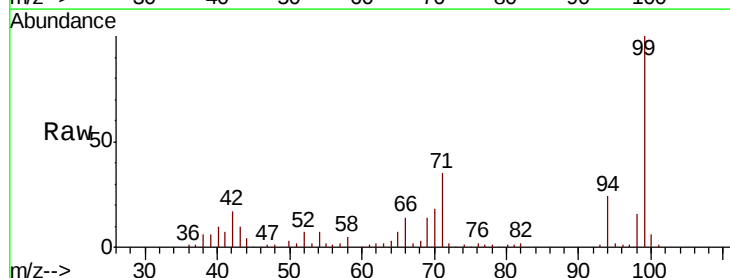
Tgt Ion: 94 Resp: 23371

Ion Ratio Lower Upper

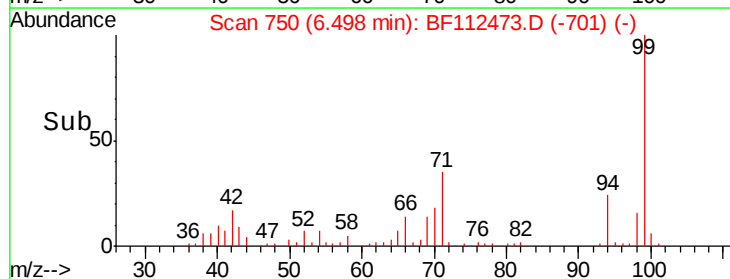
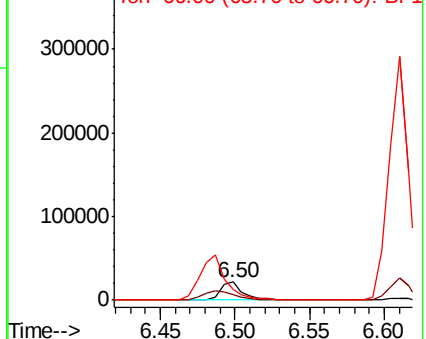
94 100

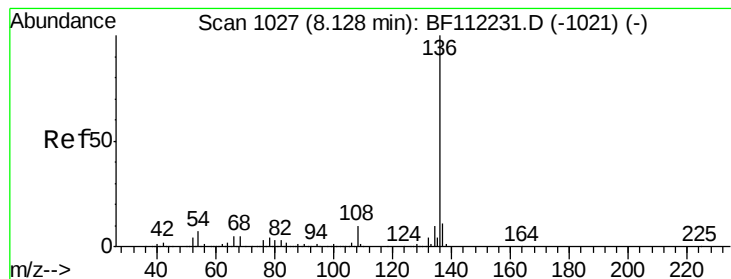
65 29.7 20.3 60.3

66 58.5 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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112473.D

Acq: 8 Feb 2019 21:25

Instrument :

BNA_F

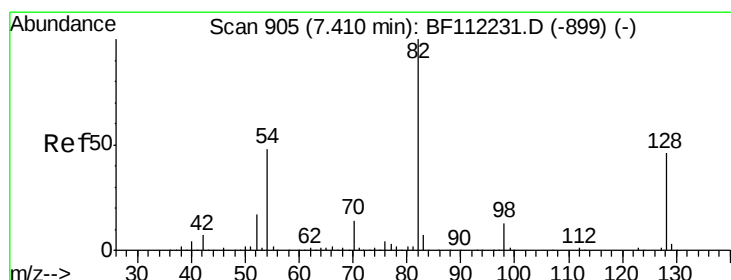
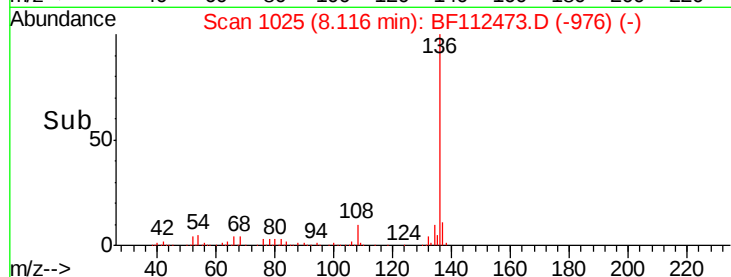
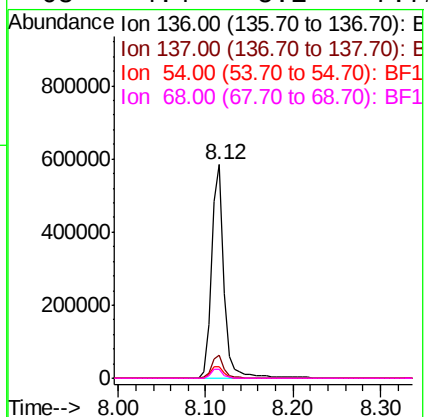
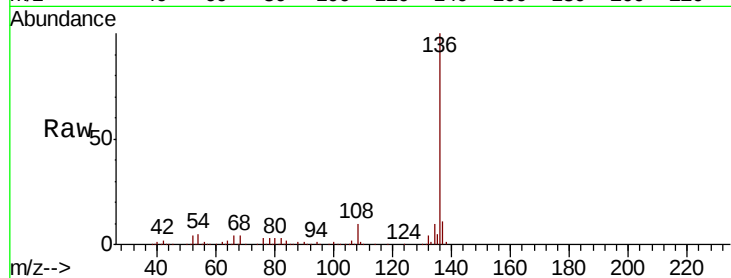
ClientSampleId :

98-SB-01-2-4

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	9.1	13.7
54	5.4	5.9	8.9#
68	4.4	5.1	7.7#

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#23

Nitrobenzene-d5

Concen: 73.613 ng

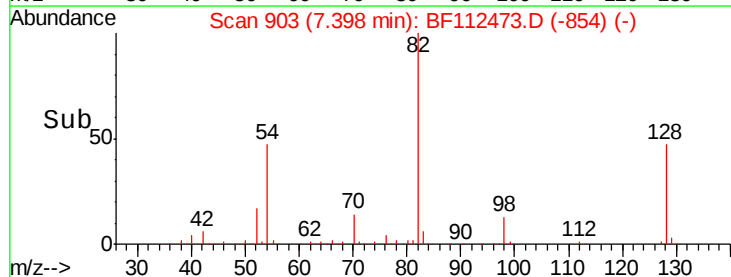
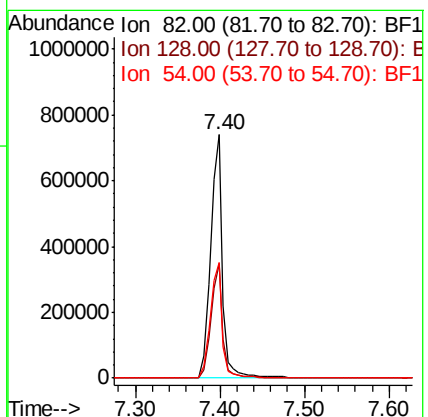
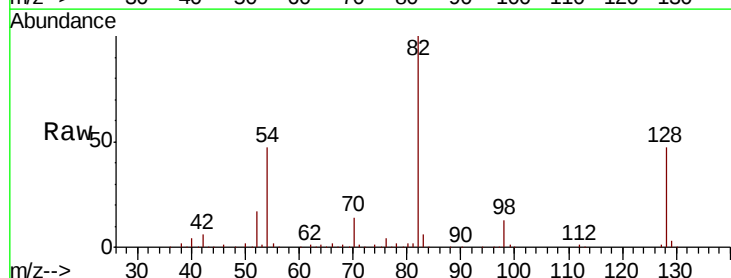
RT: 7.40 min Scan# 903

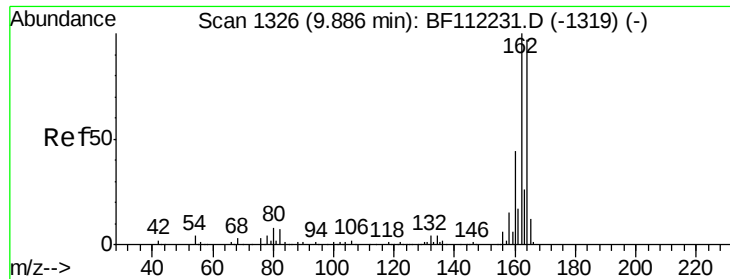
Delta R.T. -0.01 min

Lab File: BF112473.D

Acq: 8 Feb 2019 21:25

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	47.0	37.8	56.8
54	47.3	39.7	59.5





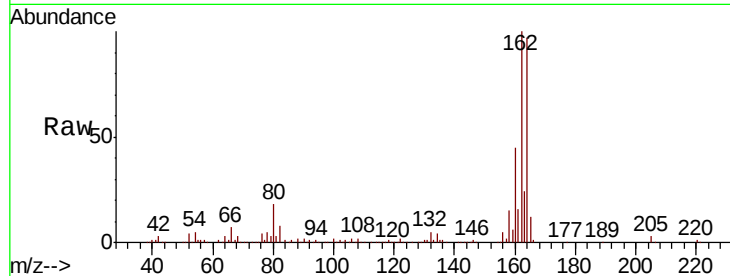
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF112473.D
 Acq: 8 Feb 2019 21:25

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.2	123.4
160	46.2	36.2	54.4

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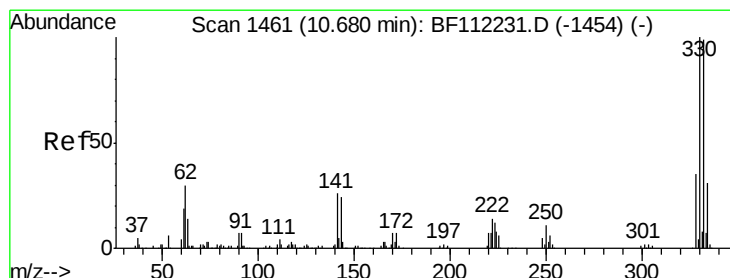
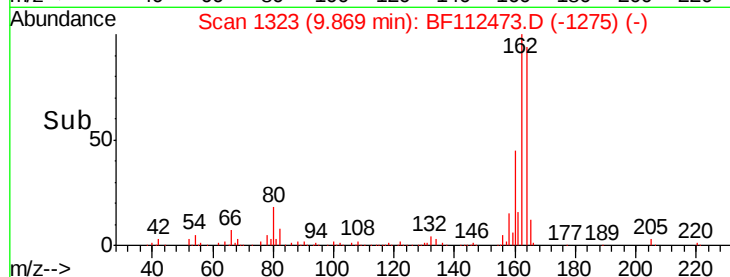
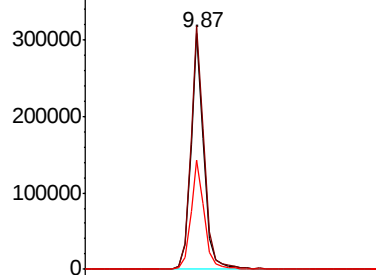


Abundance

Ion 164.00 (163.70 to 164.70): E

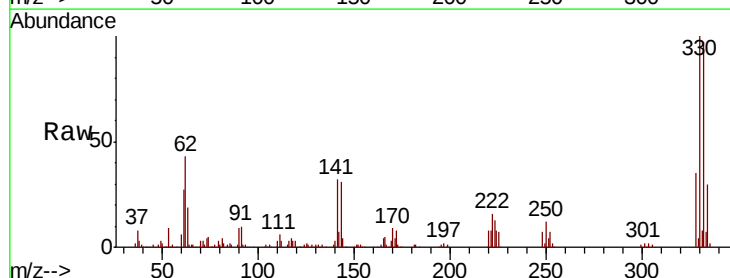
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
 2,4,6-Tribromophenol
 Concen: 79.287 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112473.D
 Acq: 8 Feb 2019 21:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	114.8
141	33.3	24.3	36.5

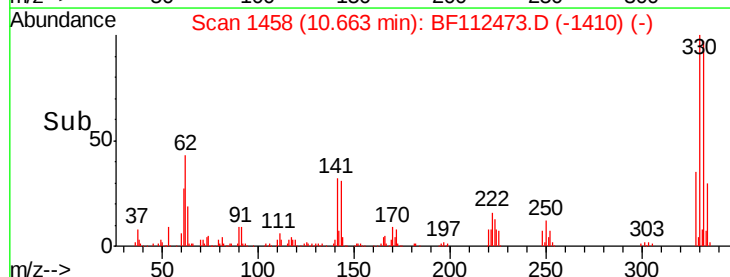
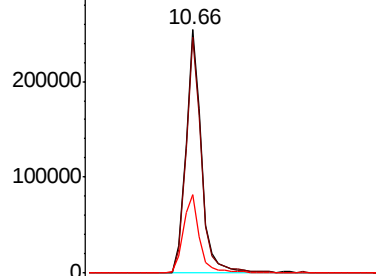


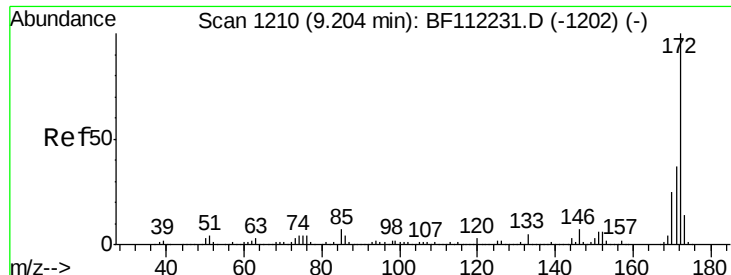
Abundance

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





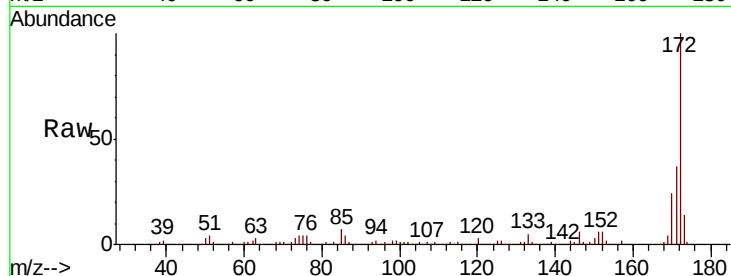
#45
2-Fluorobiphenyl
Concen: 74.092 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112473.D
Acq: 8 Feb 2019 21:25

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

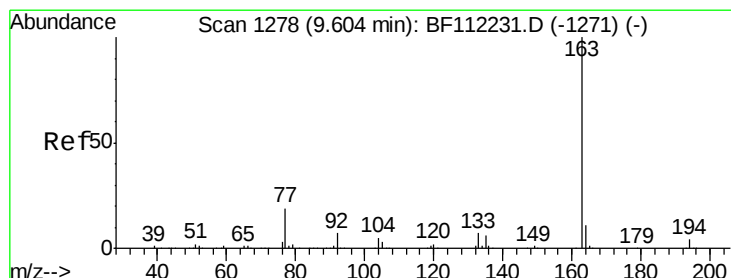
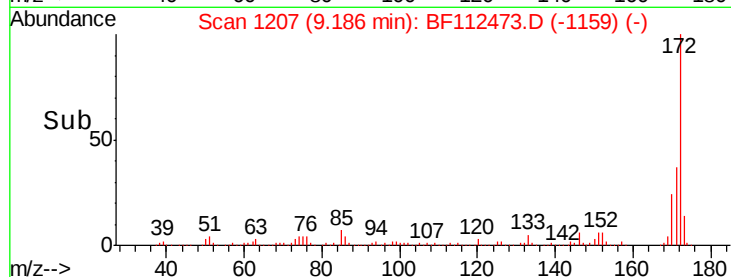
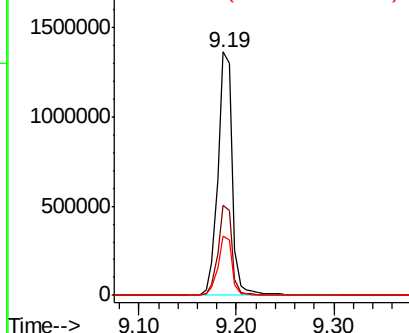
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.5	45.7
170	24.3	20.2	30.4

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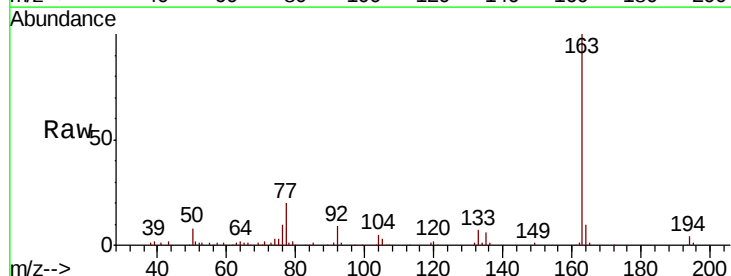


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

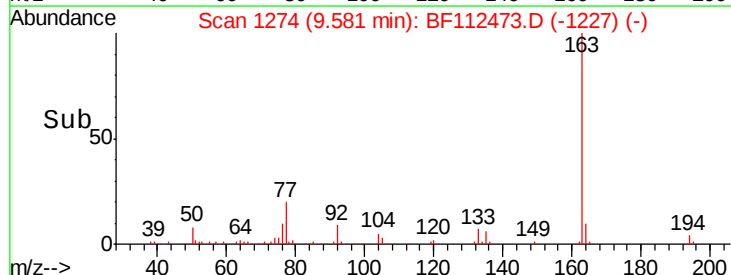
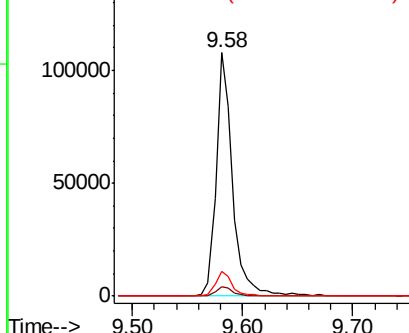


#50
Dimethylphthalate
Concen: 5.339 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112473.D
Acq: 8 Feb 2019 21:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.3	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





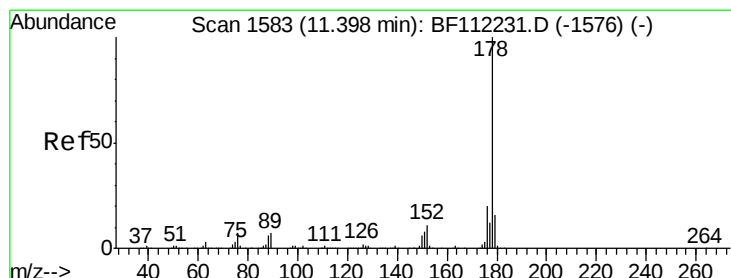
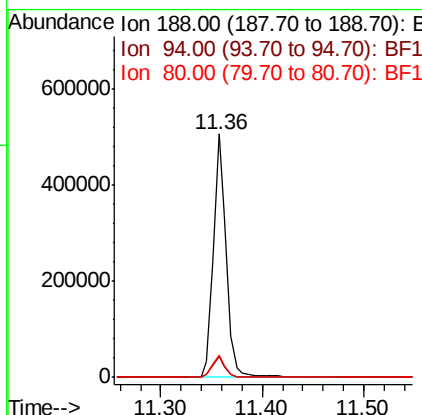
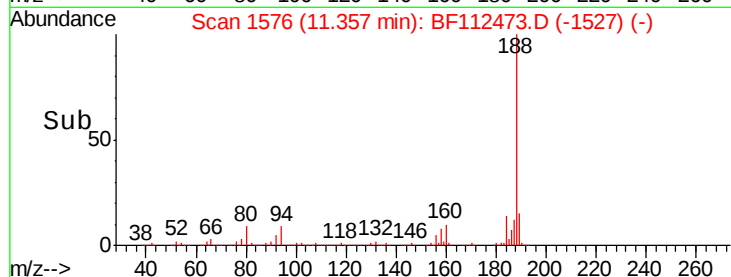
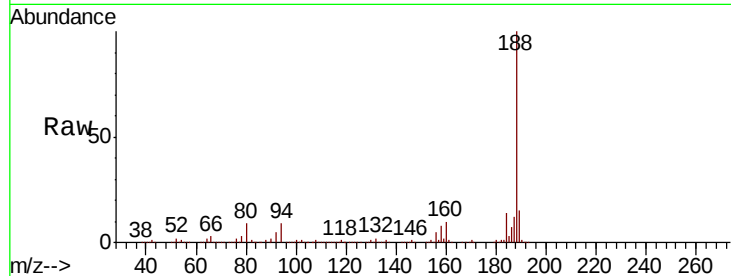
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112473.D
Acq: 8 Feb 2019 21:25

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	443830		
94	8.8		8.2	12.2
80	9.2		8.9	13.3

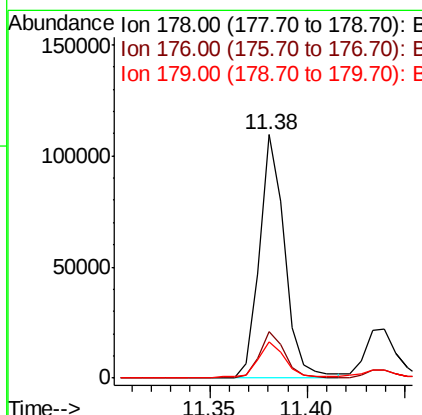
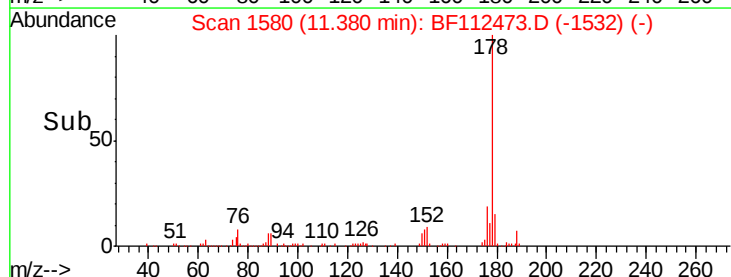
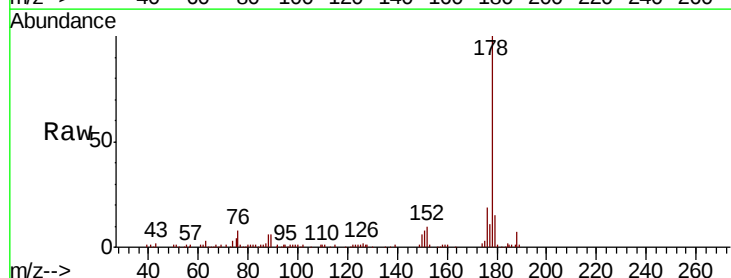
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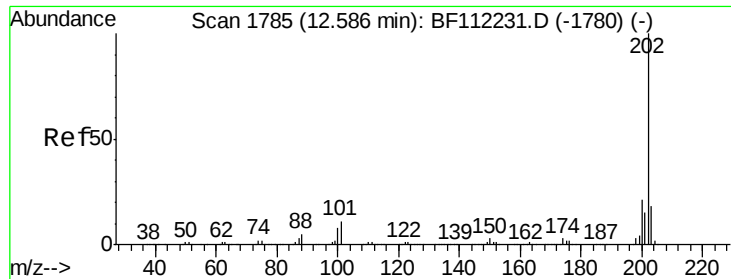
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#71
Phenanthrene
Concen: 4.264 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112473.D
Acq: 8 Feb 2019 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	98387		
176	19.0		16.3	24.5
179	15.1		13.0	19.4





#75

Fluoranthene

Concen: 8.136 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112473.D

Acq: 8 Feb 2019 21:25

Instrument :

BNA_F

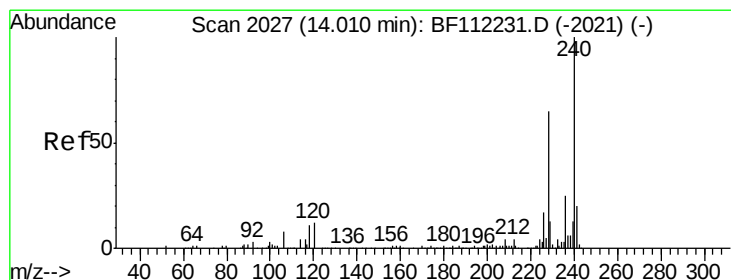
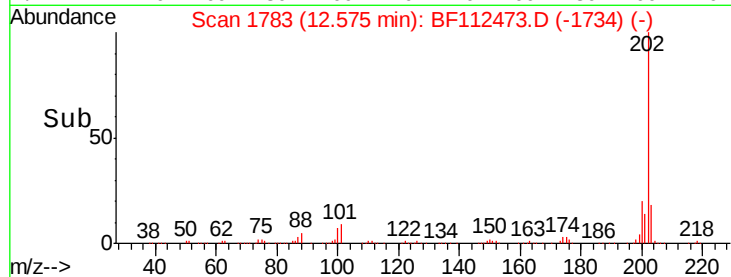
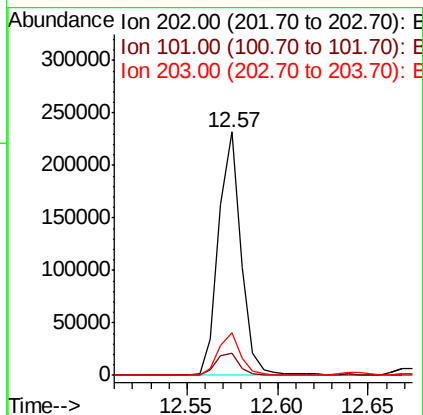
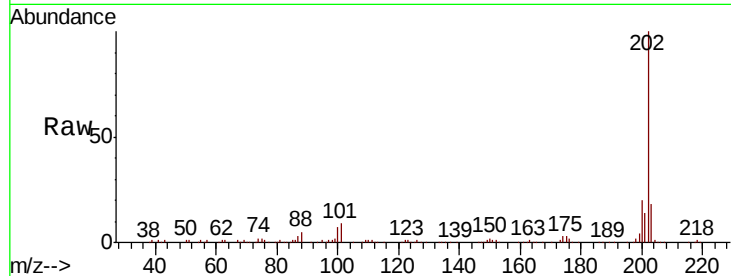
ClientSampleId :

98-SB-01-2-4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		201364		
101	9.0	0.0	31.8		
203	17.7	0.0	38.4		

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#76

Chrysene-d12

Concen: 20.000 ng

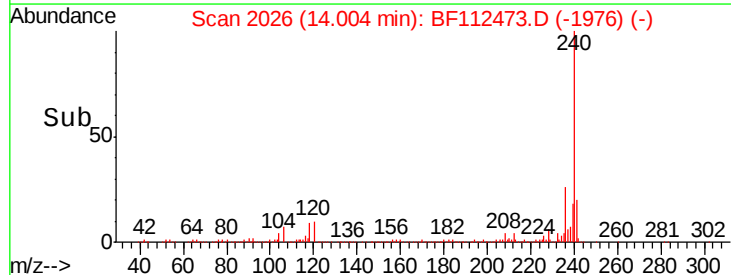
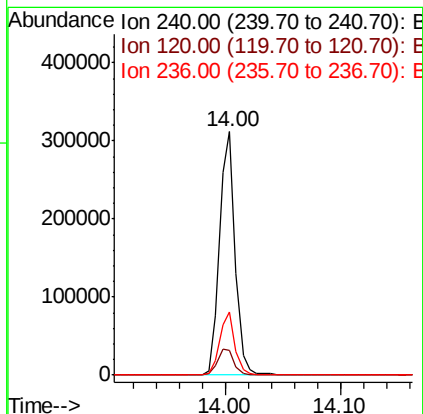
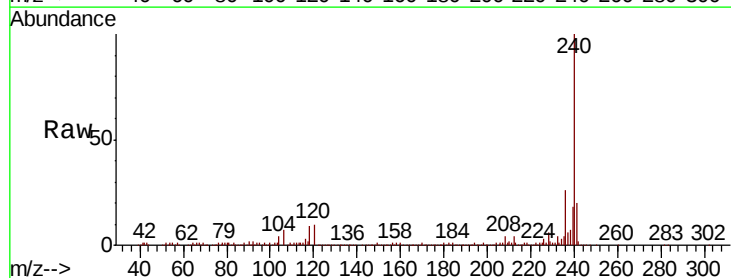
RT: 14.00 min Scan# 2026

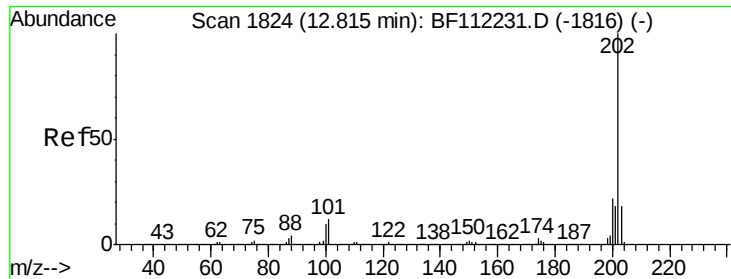
Delta R.T. -0.01 min

Lab File: BF112473.D

Acq: 8 Feb 2019 21:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		291822		
120	10.1	9.0	13.6		
236	26.0	20.7	31.1		





#78

Pvrene

Concen: 8.714 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF112473.D

Acq: 8 Feb 2019 21:25

Instrument :

BNA_F

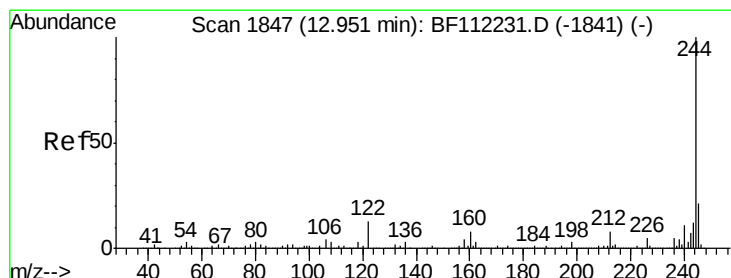
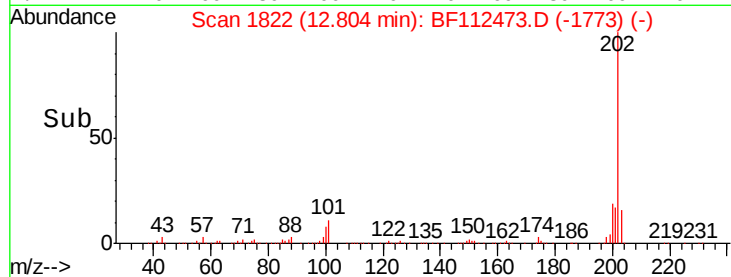
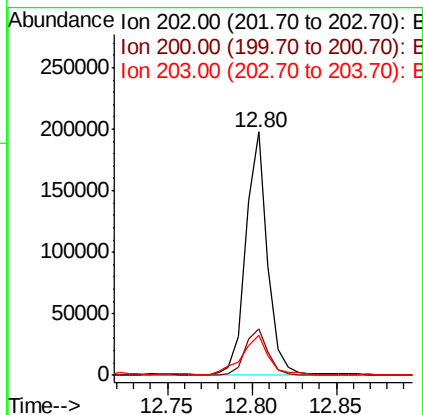
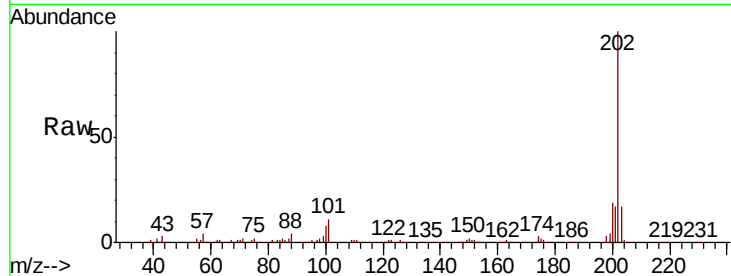
ClientSampled :

98-SB-01-2-4

Tot Ion:	202	Resp:	176053
Ion Ratio	Lower	Upper	
202	100		
200	19.2	17.7	26.5
203	16.5	14.6	22.0

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#79

Terphenyl-d14

Concen: 68.446 ng

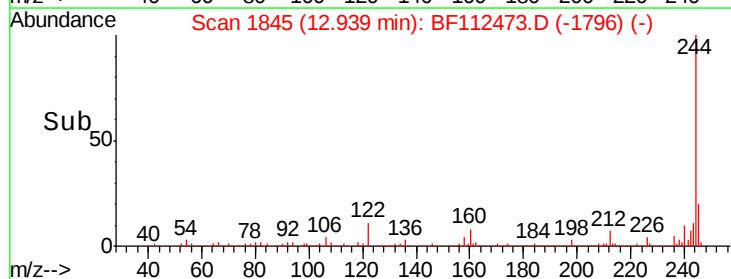
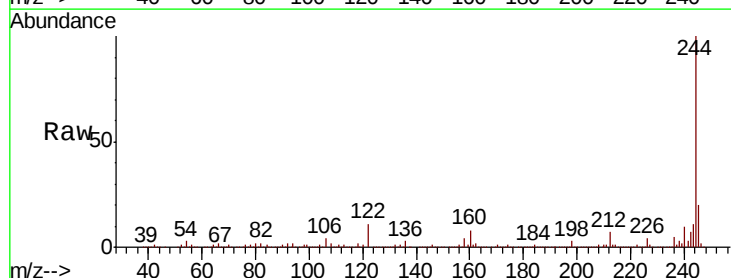
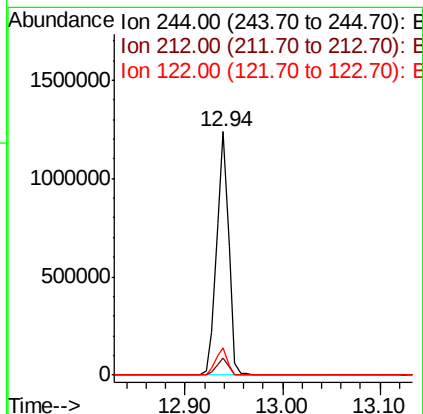
RT: 12.94 min Scan# 1845

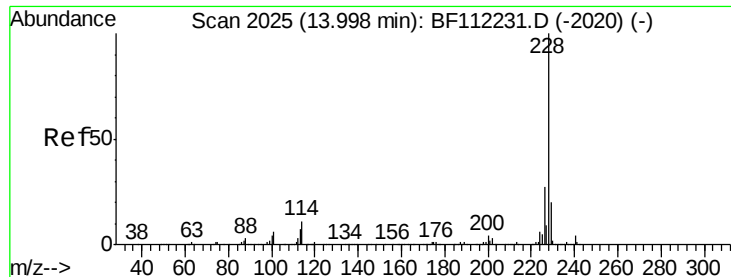
Delta R.T. -0.01 min

Lab File: BF112473.D

Acq: 8 Feb 2019 21:25

Tgt Ion:	244	Resp:	1060509
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.9	8.9
122	11.3	9.8	14.6





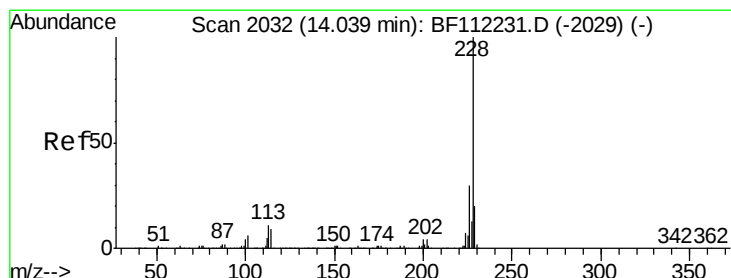
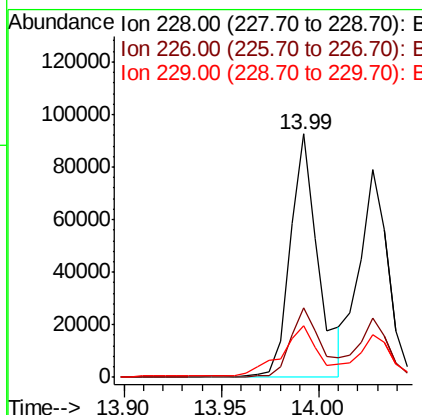
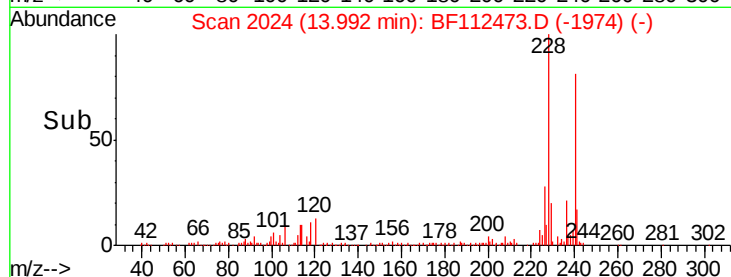
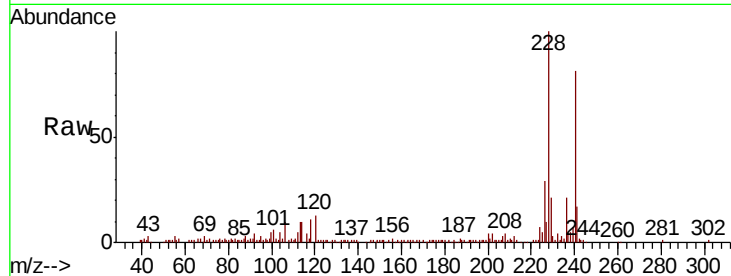
#81
Benzo(a)anthracene
Concen: 5.355 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF112473.D
Acq: 8 Feb 2019 21:25

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

Tot Ion:	228	Resp:	91865
Ion Ratio	Lower	Upper	
228	100		
226	28.7	22.6	34.0
229	21.0	16.5	24.7

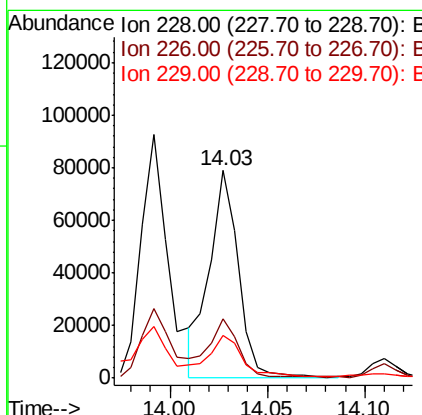
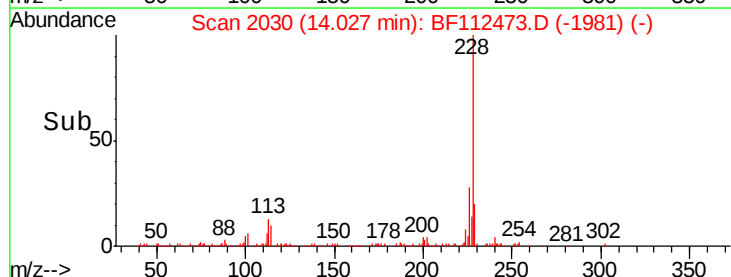
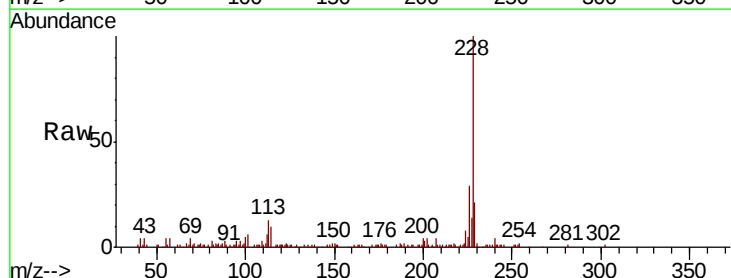
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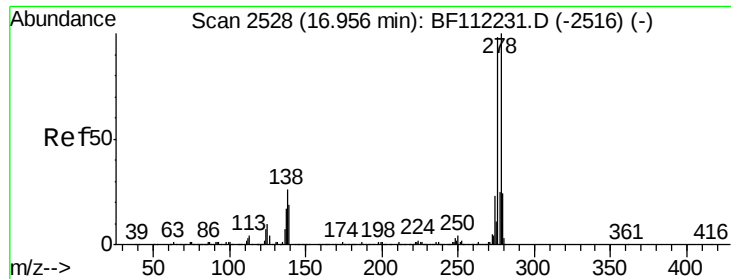
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#83
Chrysene
Concen: 4.979 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112473.D
Acq: 8 Feb 2019 21:25

Tgt Ion:	228	Resp:	81540
Ion Ratio	Lower	Upper	
228	100		
226	28.6	25.0	37.6
229	20.7	16.6	24.8





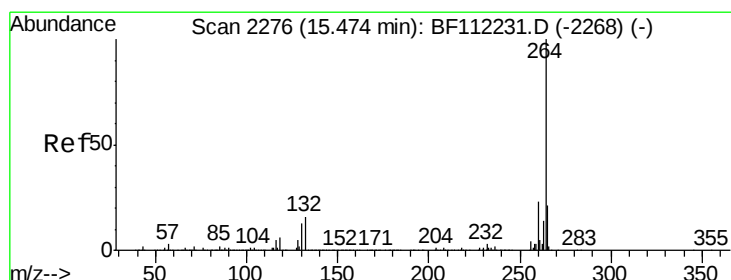
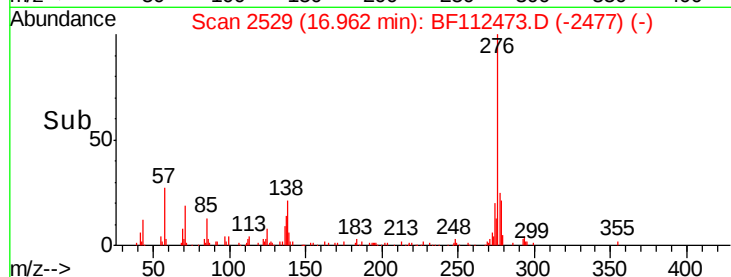
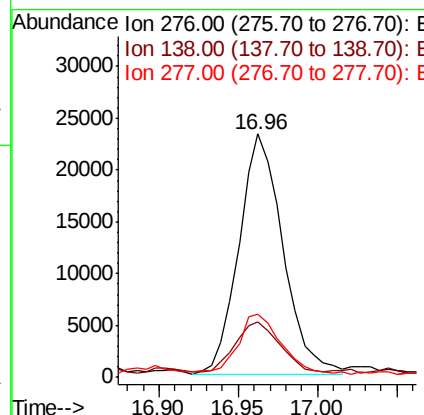
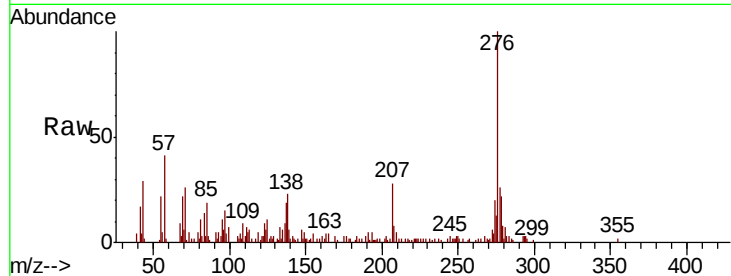
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.429 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.01 min
Lab File: BF112473.D
Acq: 8 Feb 2019 21:25

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.2	22.6	34.0
277	25.1	20.3	30.5

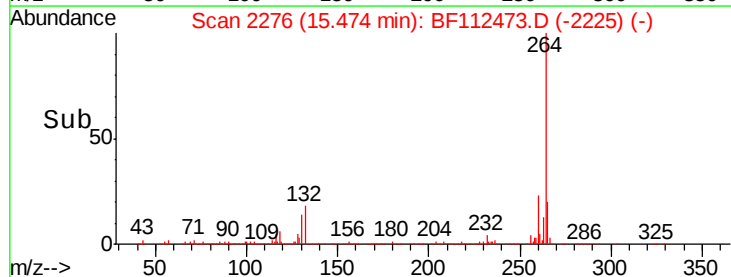
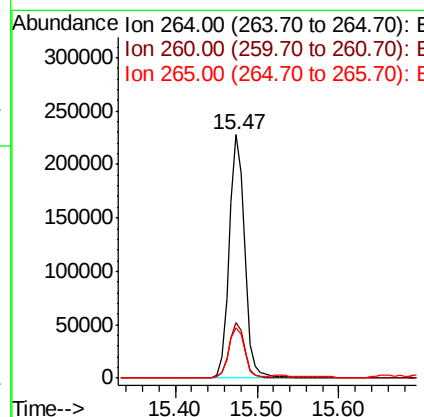
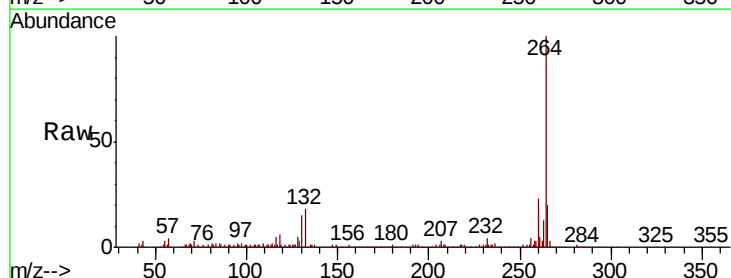
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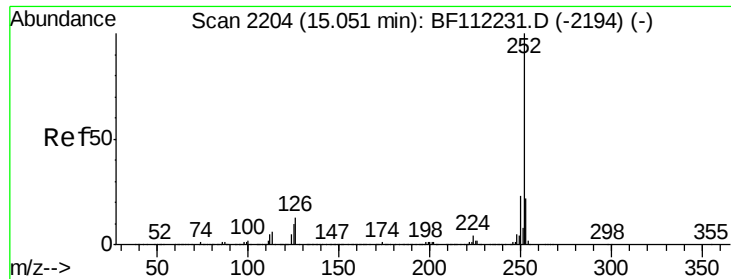
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BF112473.D
Acq: 8 Feb 2019 21:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.2	27.2
265	20.5	17.0	25.4





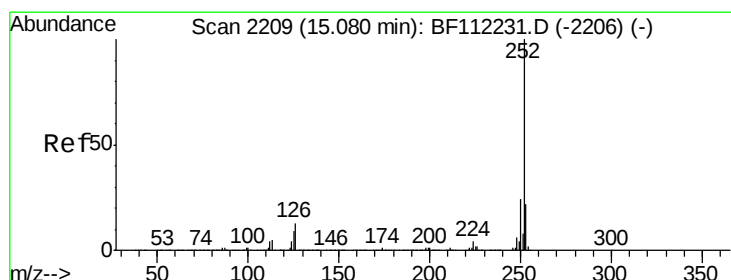
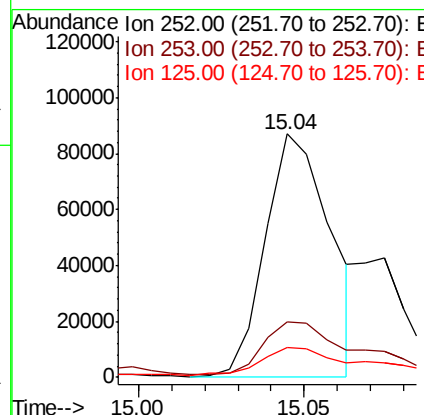
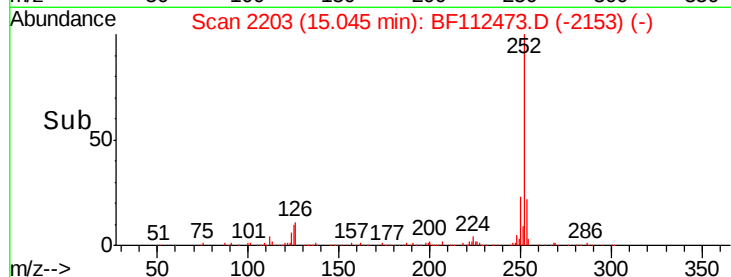
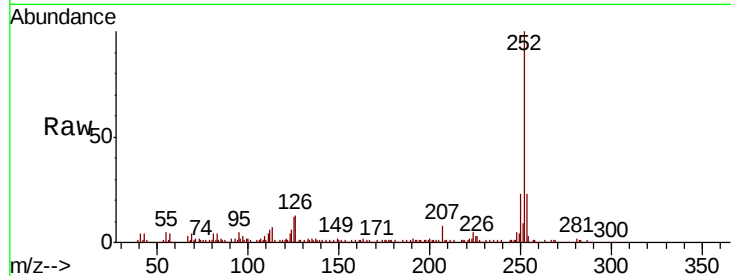
#88
Benzo(b)fluoranthene
Concen: 6.678 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112473.D
Acq: 8 Feb 2019 21:25

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

Tot Ion:	252	Resp:	119637
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.0	27.0
125	12.4	8.7	13.1

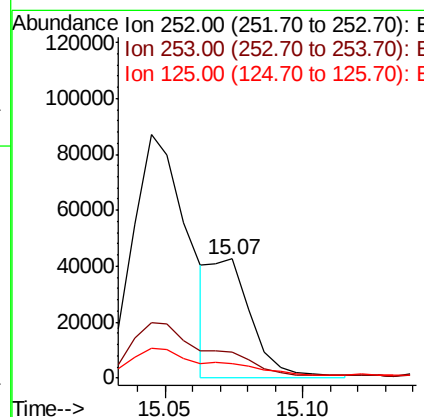
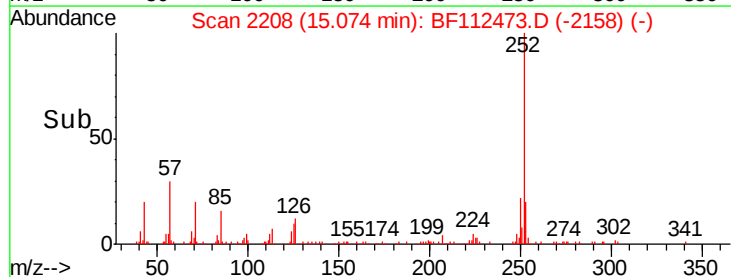
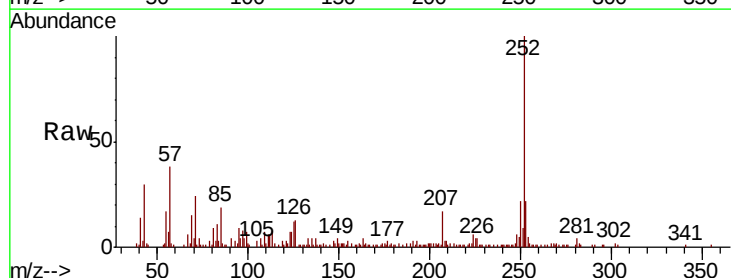
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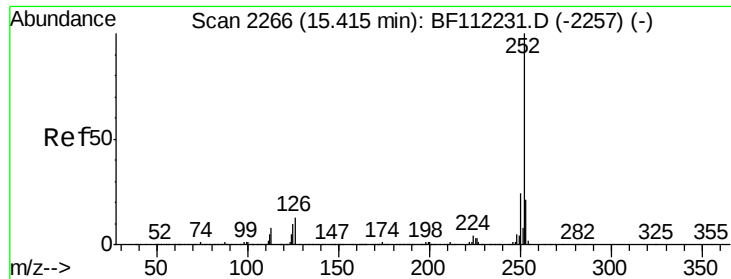
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2/11/2019 10:00:47 AM



#89
Benzo(k)fluoranthene
Concen: 2.606 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF112473.D
Acq: 8 Feb 2019 21:25

Tgt Ion:	252	Resp:	44714
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.0	27.0
125	12.0	9.1	13.7





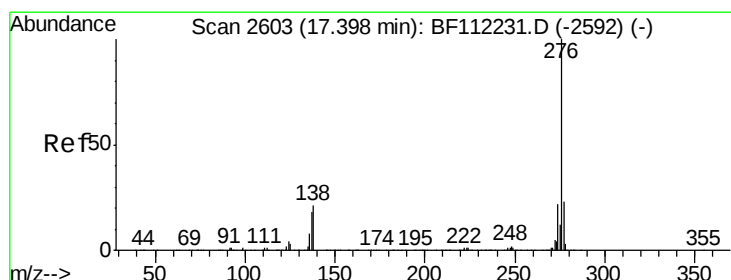
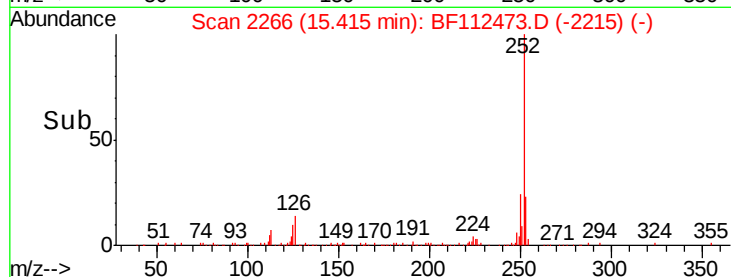
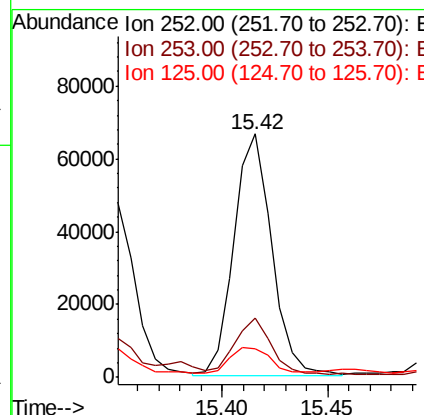
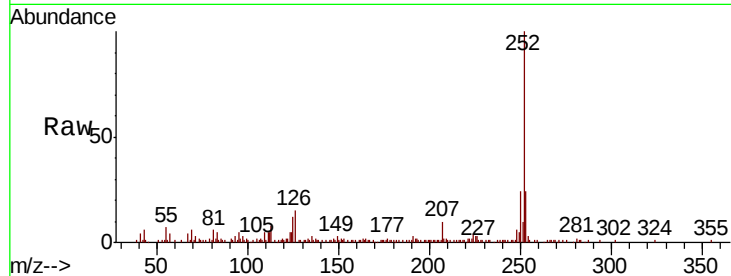
#90
Benzo(a)pyrene
Concen: 5.098 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF112473.D
Acq: 8 Feb 2019 21:25

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	11.9	9.0	13.4

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.571 ng
RT: 17.41 min Scan# 2605
Delta R.T. 0.01 min
Lab File: BF112473.D
Acq: 8 Feb 2019 21:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	22.1	19.1	28.7

