

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
 Data File : BF114175.D
 Acq On : 12 May 2019 1:19
 Operator : JU/SJ
 Sample : K2765-16
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS005-1218-01

Manual Integrations
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Sohil
 5/13/2019 8:36:04 PM

Quant Time: May 13 09:02:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	317663	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1168561	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	547182	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	968960	20.00	ng	0.00
76) Chrysene-d12	14.01	240	595077	20.00	ng	-0.01
87) Perylene-d12	15.49	264	790815	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	2061967	104.46	ng	0.00
7) Phenol-d6	6.49	99	2755944	118.04	ng	0.00
23) Nitrobenzene-d5	7.41	82	1719545	82.58	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	599320	105.94	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2551986	70.55	ng	0.00
79) Terphenyl-d14	12.95	244	1954875	67.72	ng	0.00
Target Compounds						
31) Naphthalene	8.15	128	122958	2.253	ng	97
49) Acenaphthylene	9.75	152	485307	8.969	ng	97
50) Dimethylphthalate	9.60	163	488187	12.154	ng	99
71) Phenanthrene	11.39	178	1030718	21.865	ng	99
72) Anthracene	11.45	178	225513	4.763	ng	97
75) Fluoranthene	12.59	202	1874512	36.925	ng	98
78) Pyrene	12.82	202	3038286	63.468	ng	98
81) Benzo(a)anthracene	14.00	228	1403479m	36.464	ng	
83) Chrysene	14.04	228	1667711	44.201	ng	100
86) Indeno(1,2,3-cd)pyrene	16.96	276	1021760	30.642	ng	97
88) Benzo(b)fluoranthene	15.06	252	2187123m	43.169	ng	
89) Benzo(k)fluoranthene	15.09	252	539350m	11.589	ng	
90) Benzo(a)pyrene	15.43	252	1506699	33.791	ng	98
91) Dibenzo(a,h)anthracene	16.96	278	253742m	6.848	ng	
92) Benzo(a,h,i)perylene	17.40	276	1134358	30.550	ng	98

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

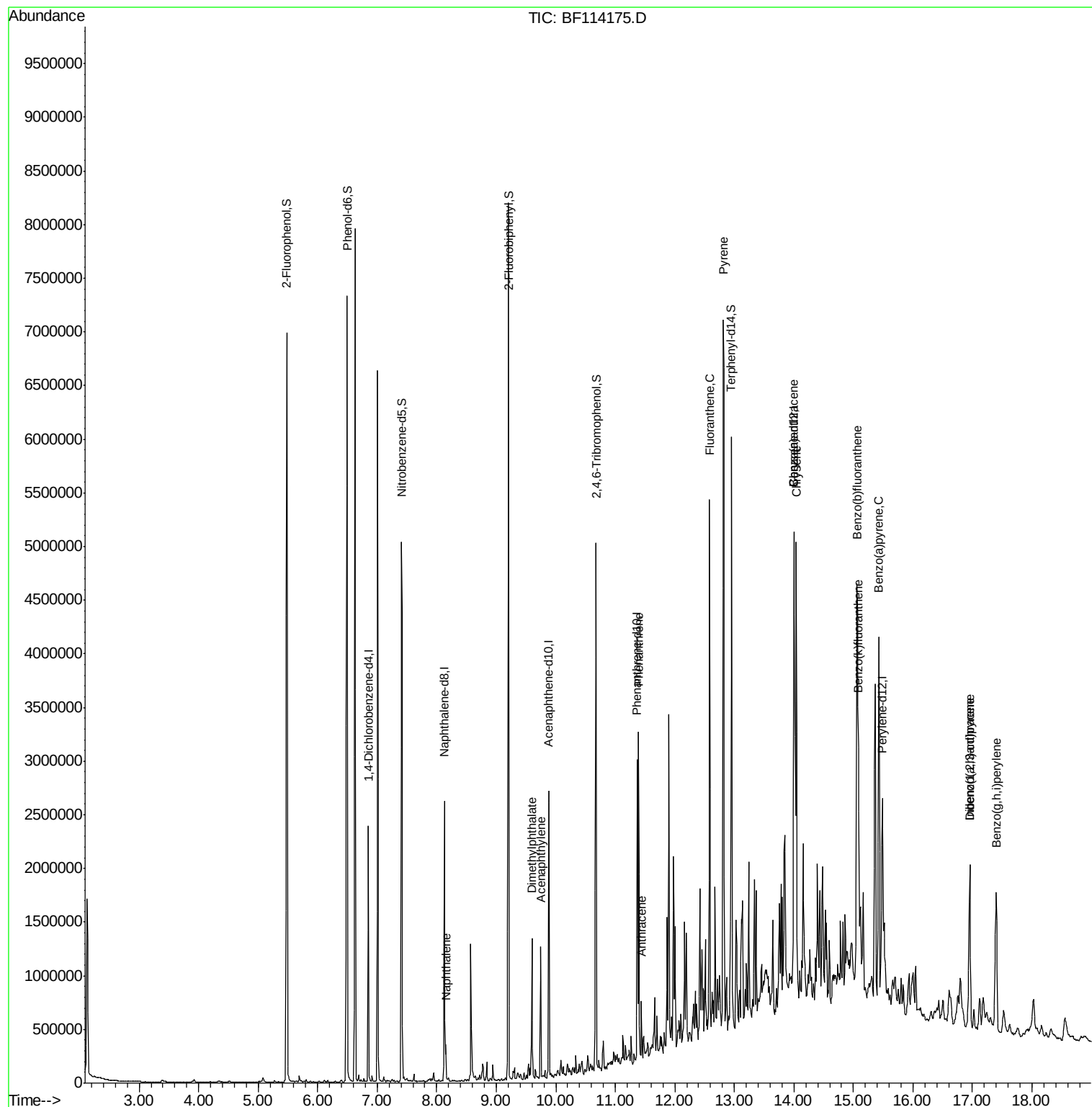
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114175.D
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ALS Vial : 15 Sample Multiplier: 1

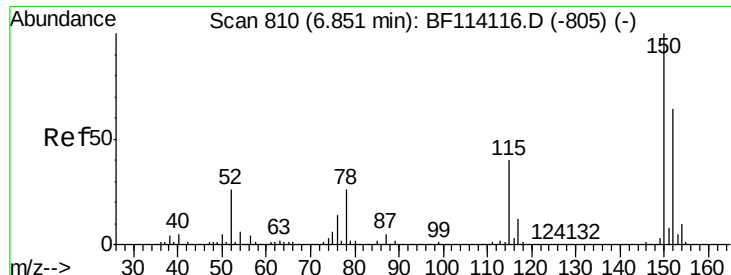
Instrument :
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P026-SS005-1218-01

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

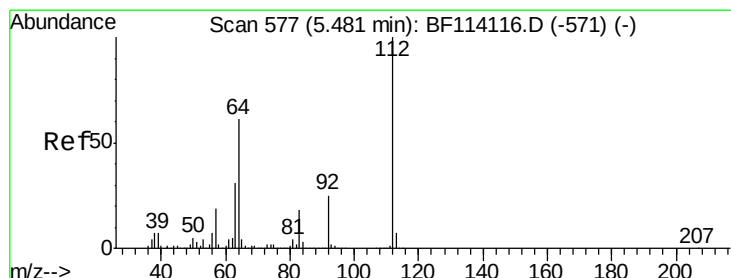
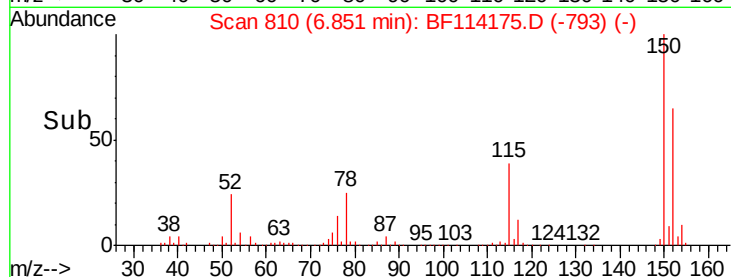
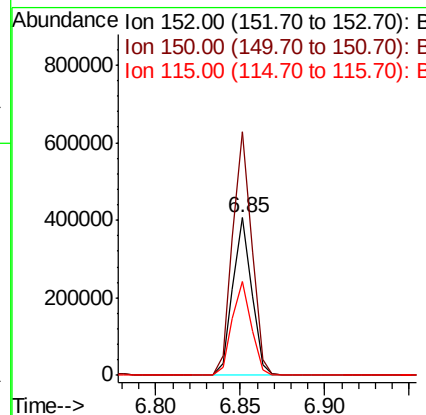
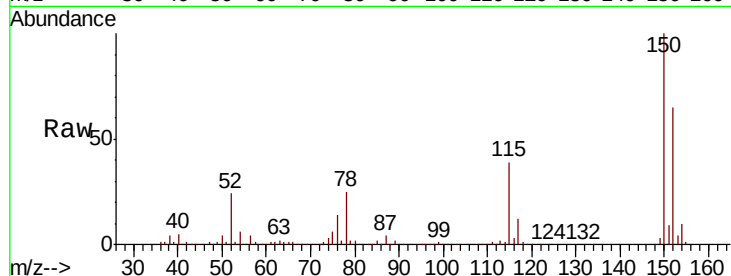
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF114175.D
Acq: 12 May 2019 1:19

Instrument :
BNA_F
ClientSampleId :
P026-SS005-1218-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.3	186.5
115	59.9	49.1	73.7

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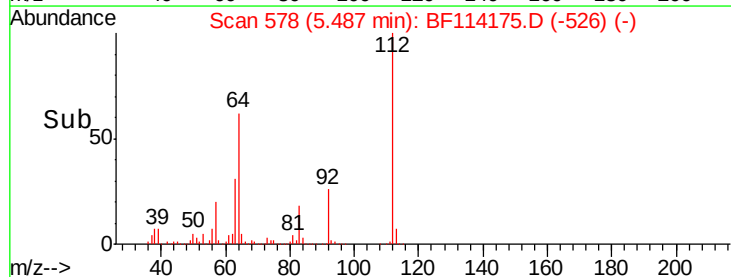
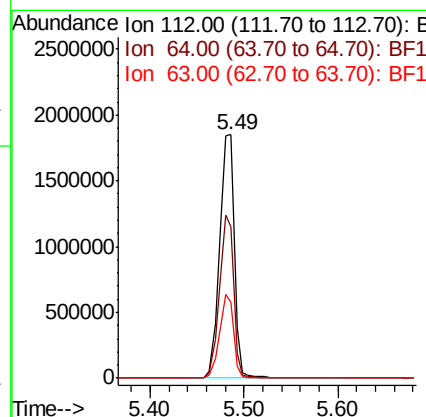
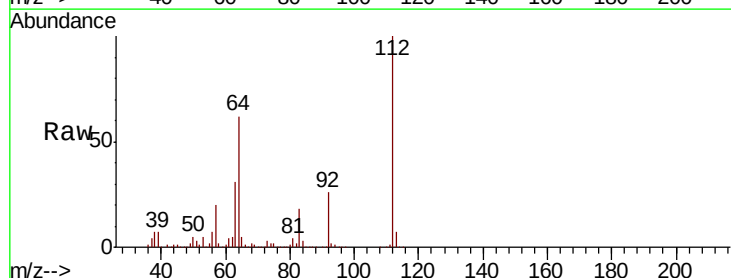
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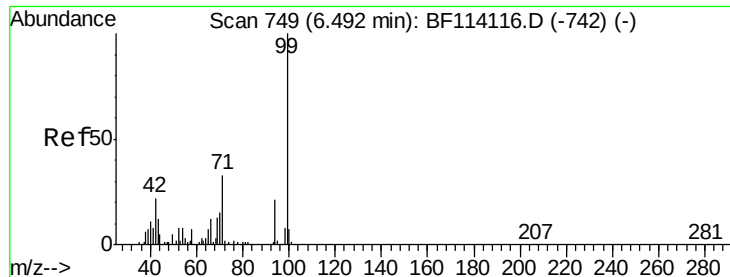


#5

2-Fluorophenol
Concen: 104.458 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF114175.D
Acq: 12 May 2019 1:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	49.0	73.6
63	31.3	24.6	37.0





#7

Phenol-d6

Concen: 118.044 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114175.D

Acq: 12 May 2019 1:19

Instrument :

BNA_F

ClientSampleId :

P026-SS005-1218-01

Tot Ion: 99 Resp: 2755944

Ion Ratio Lower Upper

99 100

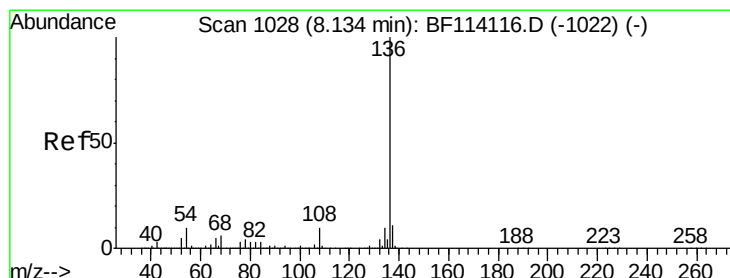
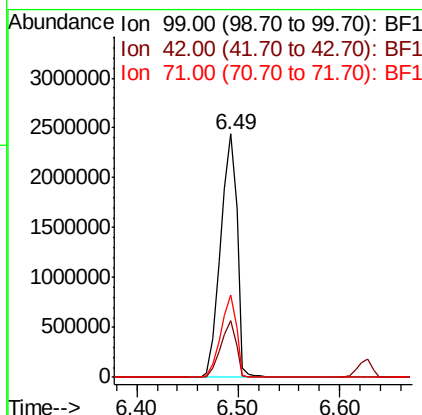
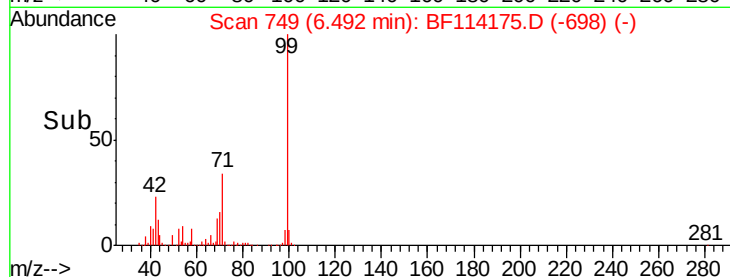
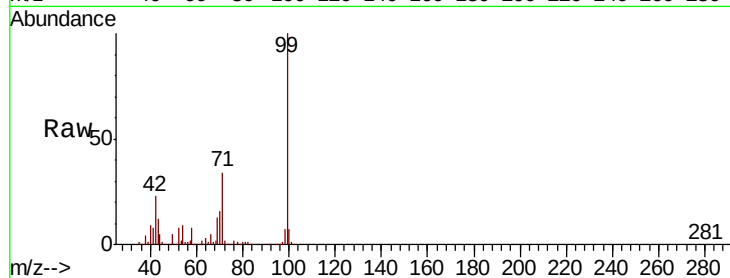
42 23.1 17.9 26.9

71 33.8 26.2 39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114175.D

Acq: 12 May 2019 1:19

Tgt Ion: 136 Resp: 1168561

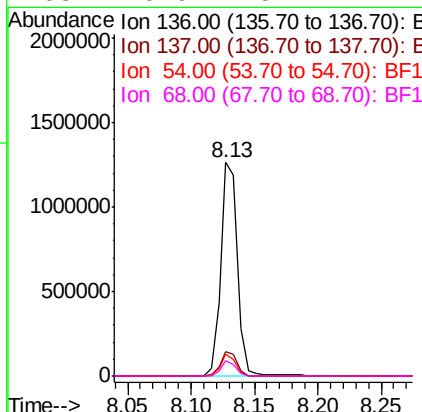
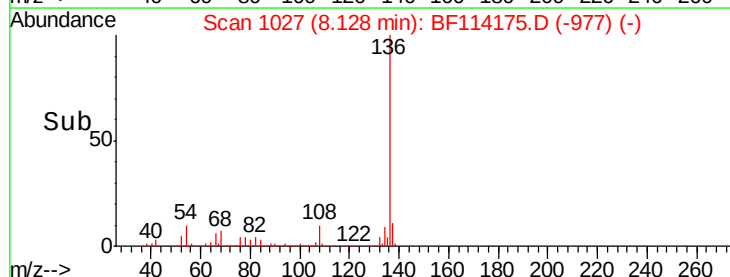
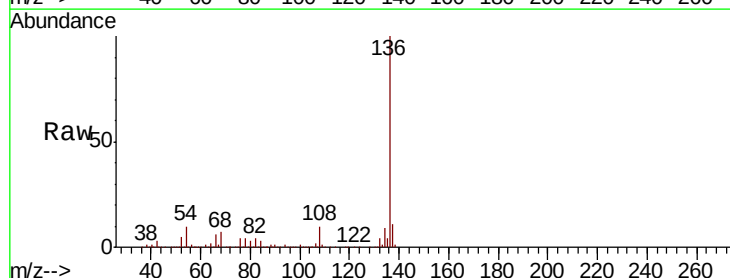
Ion Ratio Lower Upper

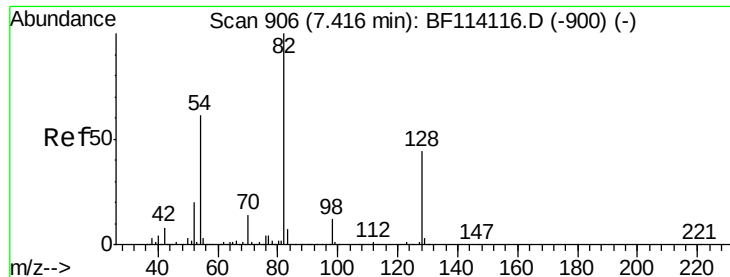
136 100

137 11.4 8.8 13.2

54 10.0 7.8 11.8

68 6.9 5.1 7.7





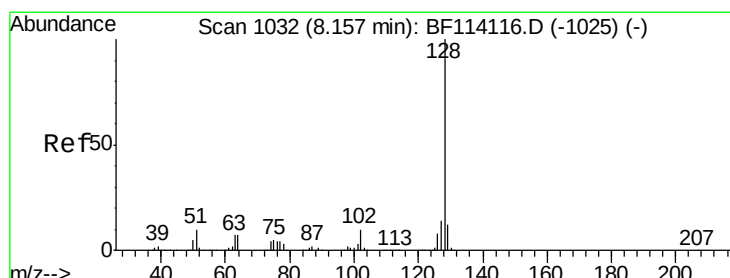
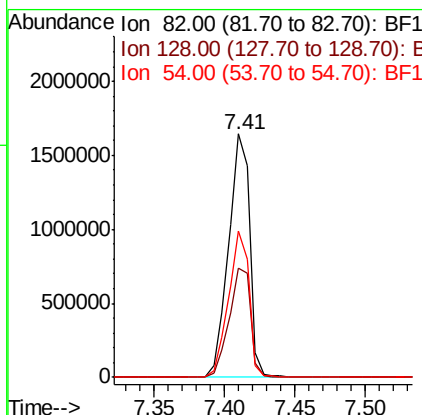
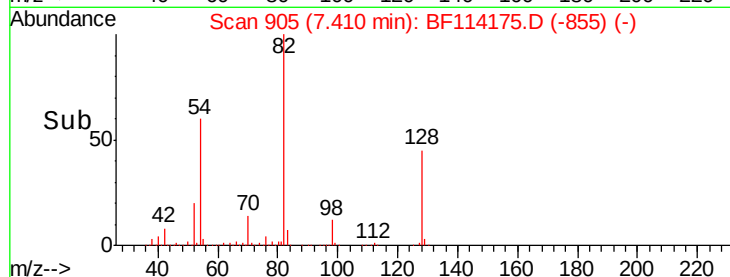
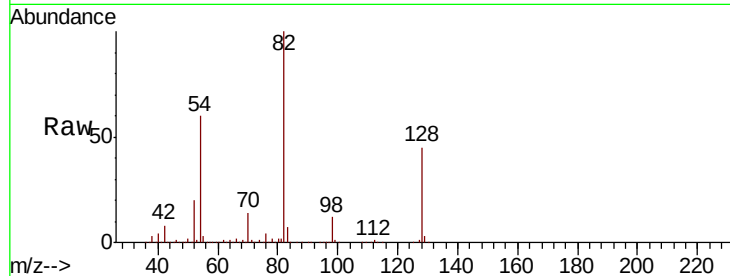
#23
 Nitrobenzene-d5
 Concen: 82.581 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF114175.D
 Acq: 12 May 2019 1:19

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS005-1218-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.5	53.3
54	60.0	48.5	72.7

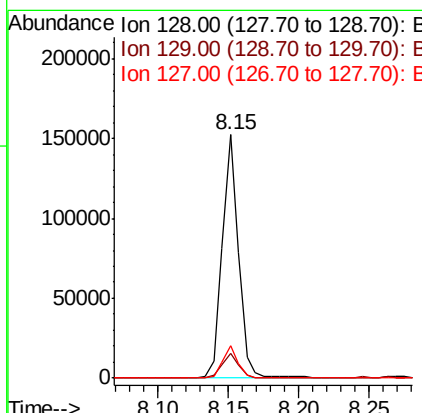
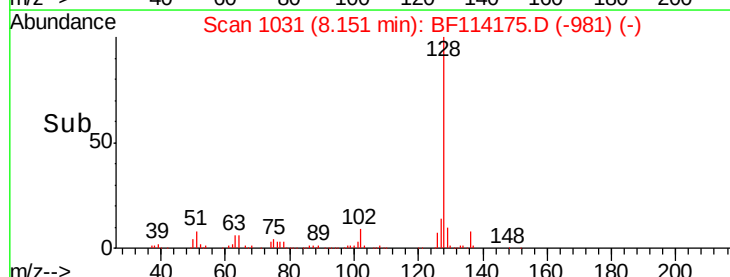
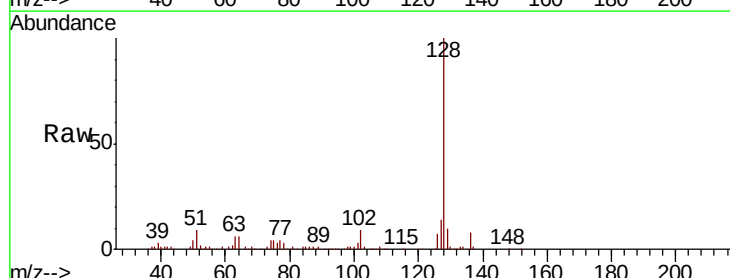
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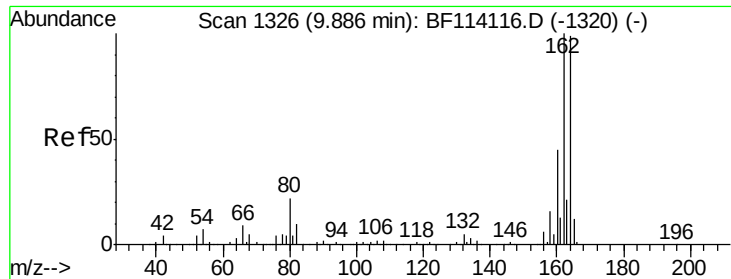
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#31
 Naphthalene
 Concen: 2.253 ng
 RT: 8.15 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: BF114175.D
 Acq: 12 May 2019 1:19

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.9	9.6	14.4
127	13.5	11.3	16.9





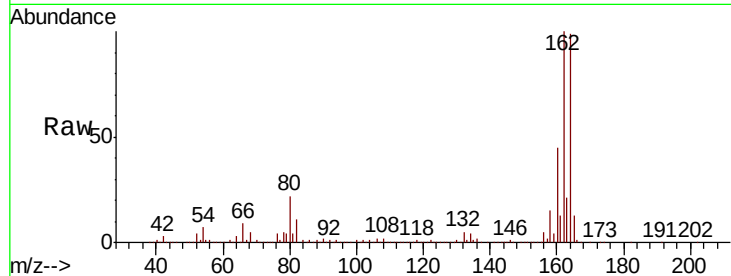
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF114175.D
Acq: 12 May 2019 1:19

Instrument :
BNA_F
ClientSampleId :
P026-SS005-1218-01

Tot Ion	Ratio	Resp	Lower	Upper
164	100	547182		
162	100.8	80.6	120.8	
160	45.3	36.5	54.7	

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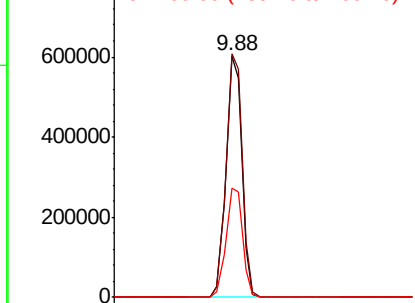


Abundance

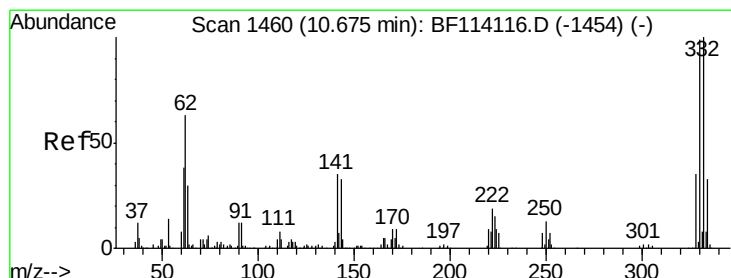
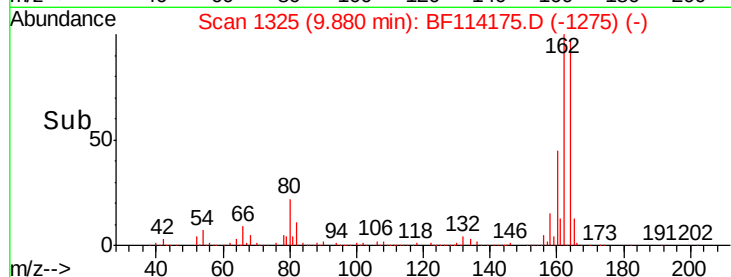
Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

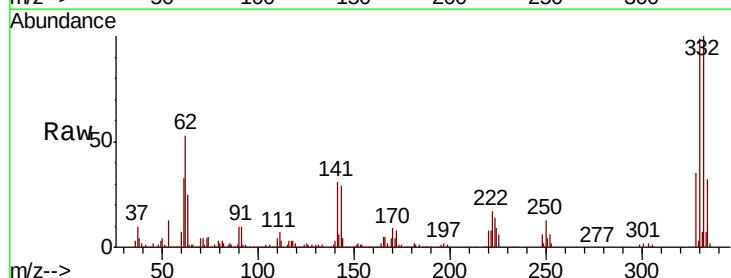


Time-->



#42
2,4,6-Tribromophenol
Concen: 105.944 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.00 min
Lab File: BF114175.D
Acq: 12 May 2019 1:19

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	599320		
332	102.6	81.4	122.2	
141	32.3	26.6	40.0	

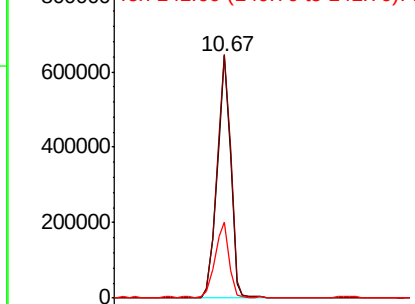


Abundance

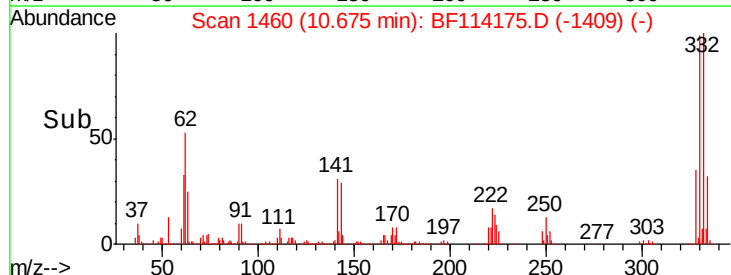
Ion 329.80 (329.50 to 330.50): E

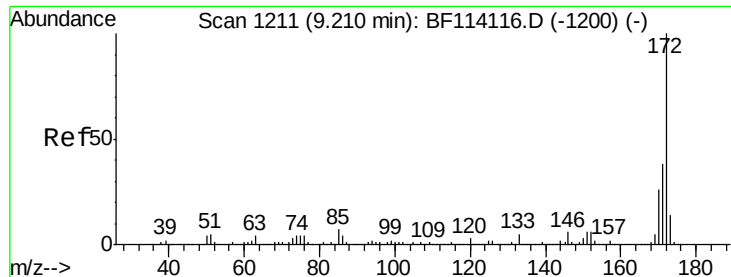
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->





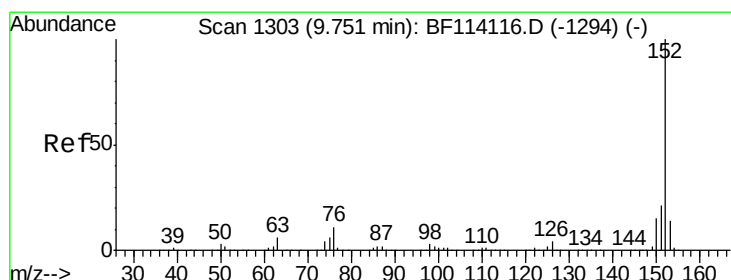
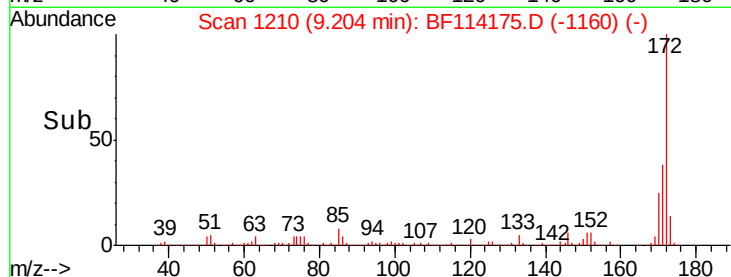
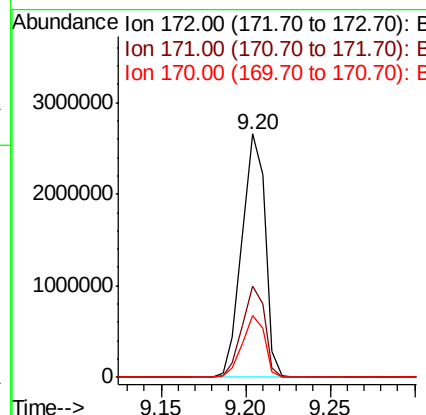
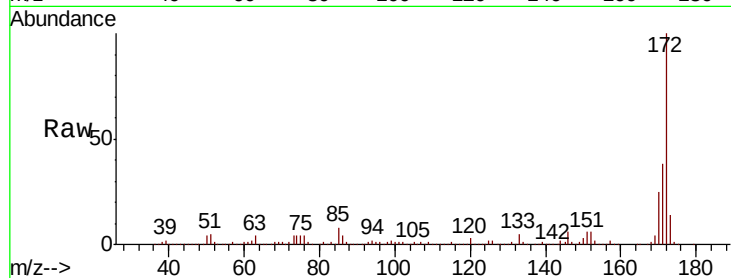
#45
2-Fluorobiphenyl
Concen: 70.549 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114175.D
Acq: 12 May 2019 1:19

Instrument :
BNA_F
ClientSampleId :
P026-SS005-1218-01

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	37.6	30.7	46.1	
170	25.4	20.5	30.7	

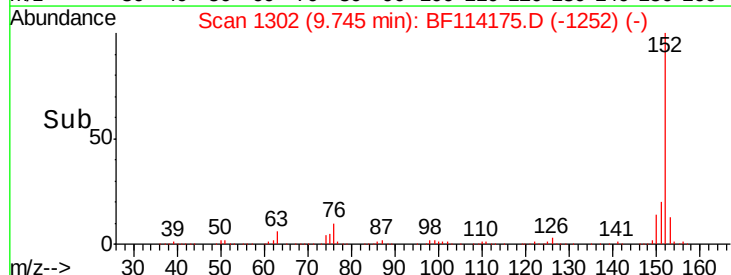
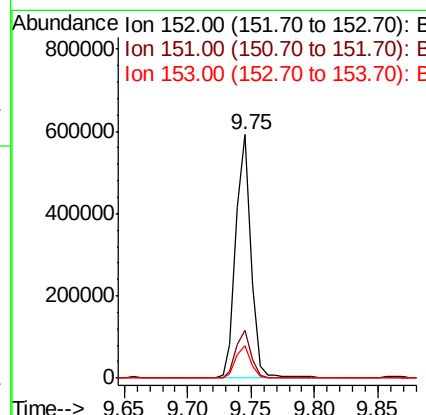
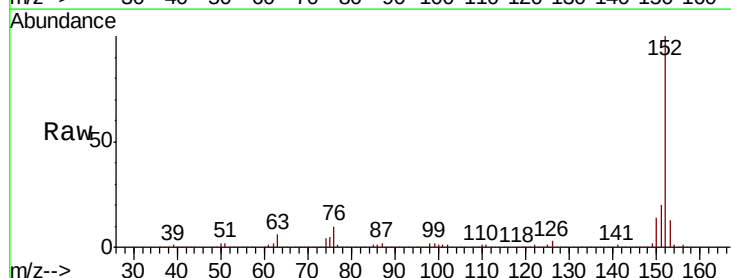
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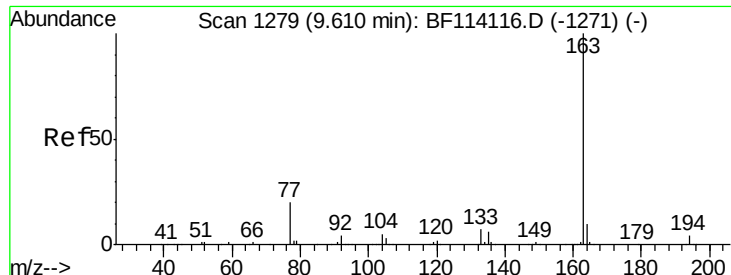
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#49
Acenaphthylene
Concen: 8.969 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF114175.D
Acq: 12 May 2019 1:19

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
151	19.5	16.8	25.2	
153	13.1	11.4	17.2	





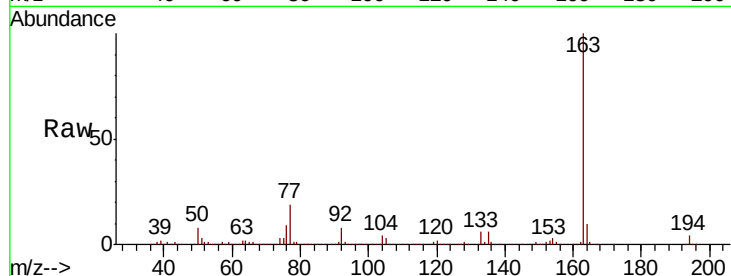
#50
Dimethylphthalate
Concen: 12.154 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF114175.D
Acq: 12 May 2019 1:19

Instrument :
BNA_F
ClientSampleId :
P026-SS005-1218-01

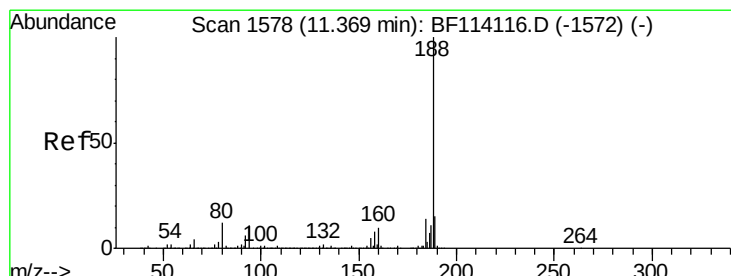
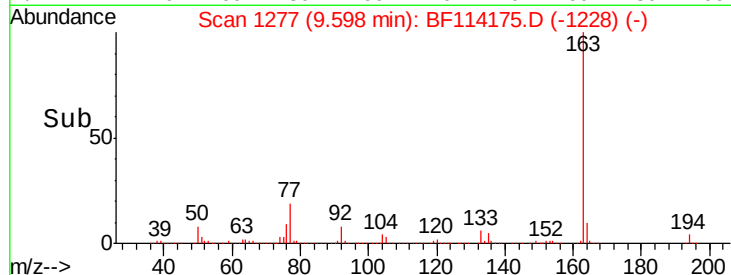
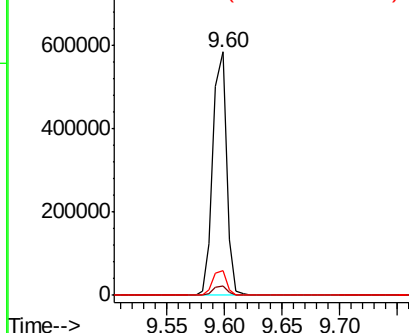
Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		488187		
194	3.8		3.4	5.0	
164	10.1		8.2	12.2	

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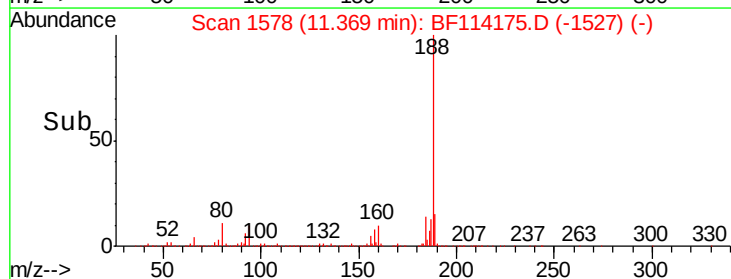
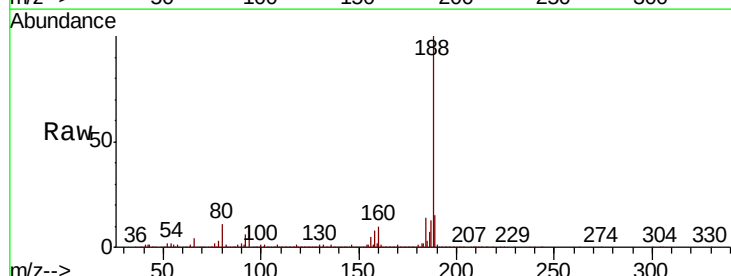
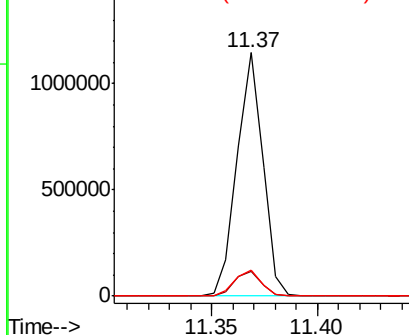
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

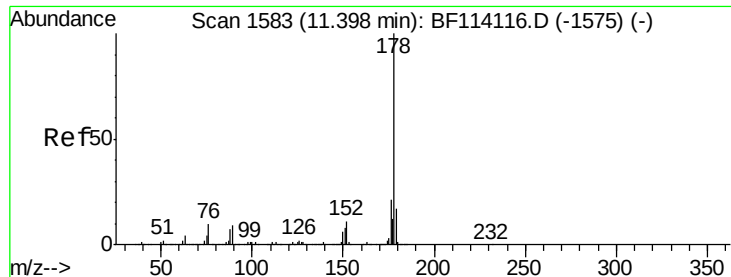


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF114175.D
Acq: 12 May 2019 1:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		968960		
94	10.3		8.4	12.6	
80	10.8		9.2	13.8	

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: 21.865 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF114175.D

Acq: 12 May 2019 1:19

Instrument :

BNA_F

ClientSampleId :

P026-SS005-1218-01

Tot Ion:178 Resp: 1030718

Ion Ratio Lower Upper

178 100

176 19.8 16.4 24.6

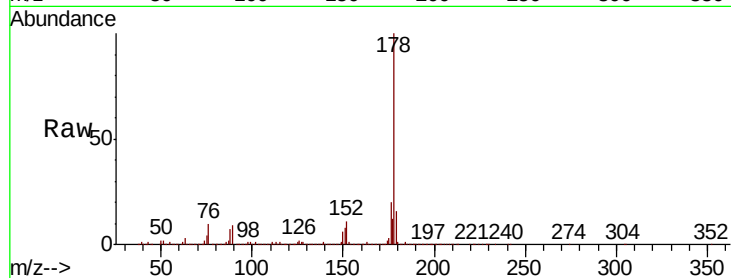
179 16.2 13.2 19.8

Manual Integrations

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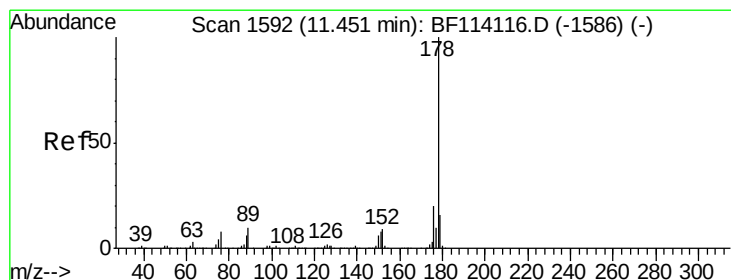
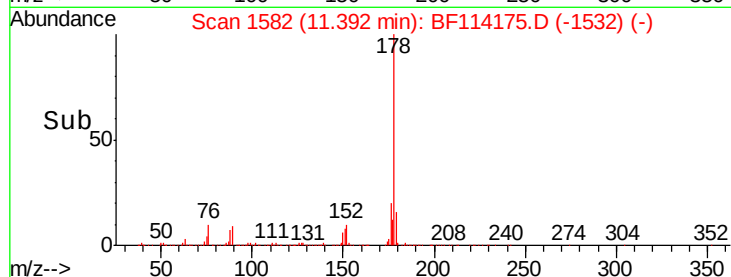
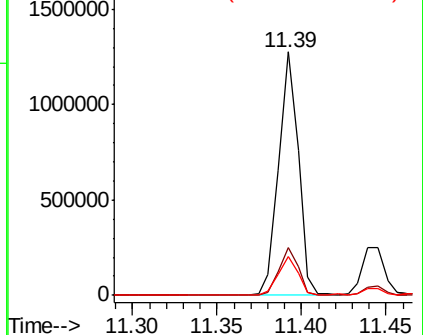
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 4.763 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF114175.D

Acq: 12 May 2019 1:19

Tgt Ion:178 Resp: 225513

Ion Ratio Lower Upper

178 100

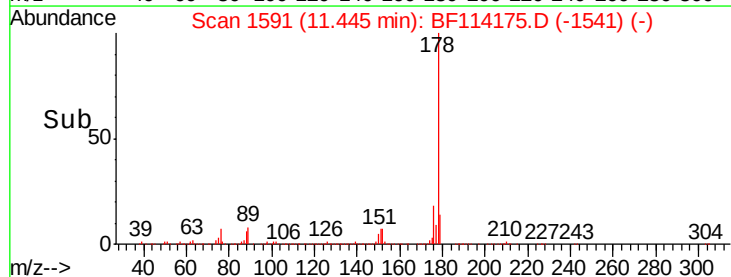
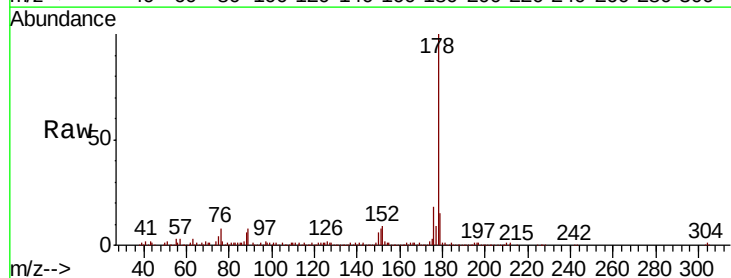
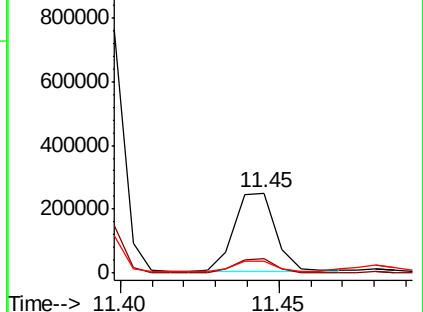
176 18.5 15.8 23.8

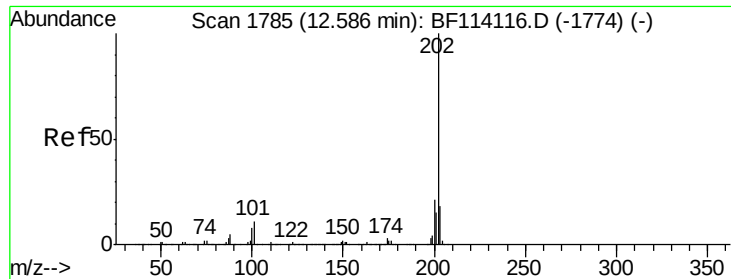
179 15.0 13.0 19.4

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 36.925 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF114175.D

Acq: 12 May 2019 1:19

Instrument :

BNA_F

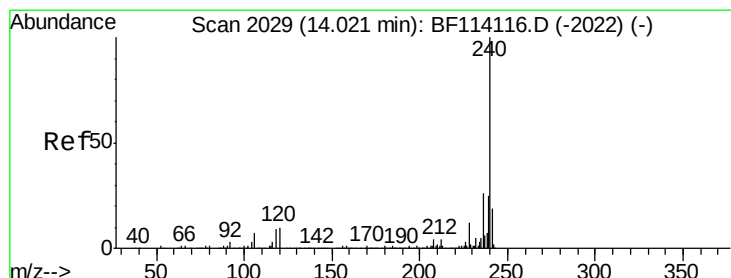
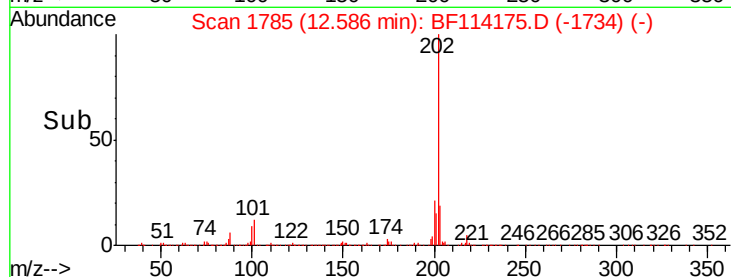
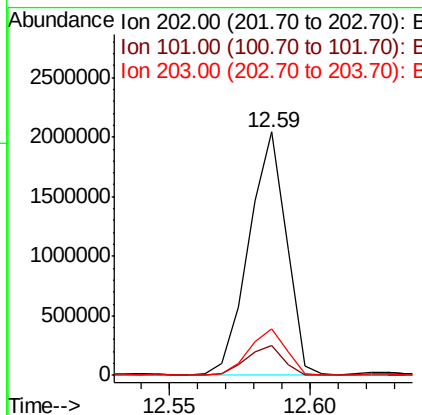
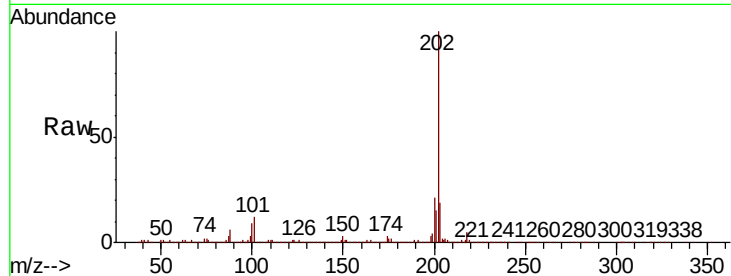
ClientSampleId :

P026-SS005-1218-01

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	31.0
203	19.0	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

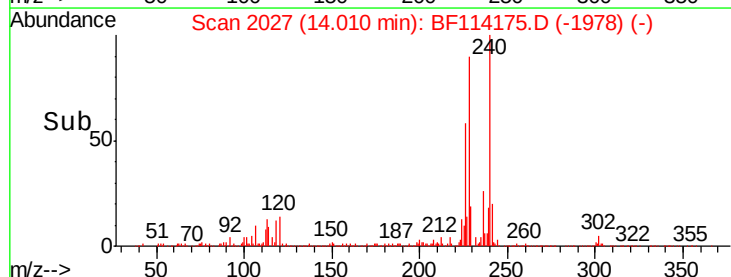
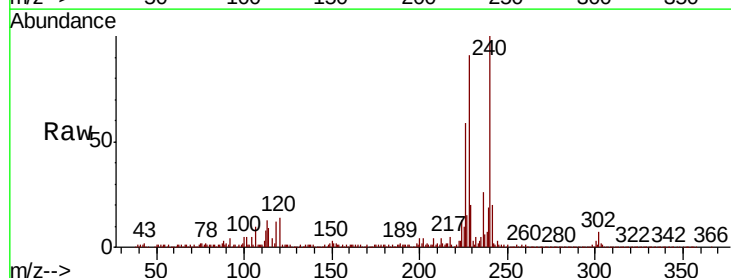
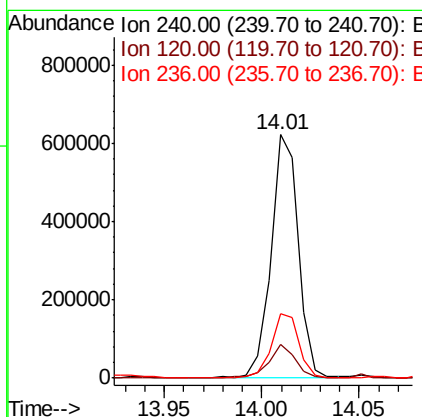
RT: 14.01 min Scan# 2027

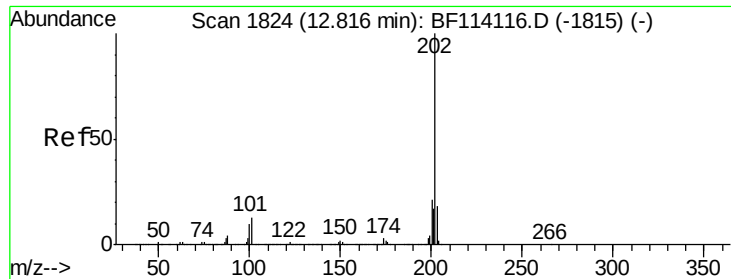
Delta R.T. -0.01 min

Lab File: BF114175.D

Acq: 12 May 2019 1:19

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.7	8.3	12.5#
236	26.4	20.8	31.2





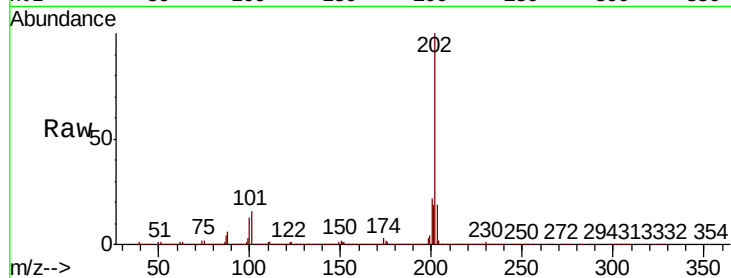
#78
Pvrene
Concen: 63.468 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BF114175.D
Acq: 12 May 2019 1:19

Instrument :
BNA_F
ClientSampleId :
P026-SS005-1218-01

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.9	25.3
203	19.2	14.5	21.7

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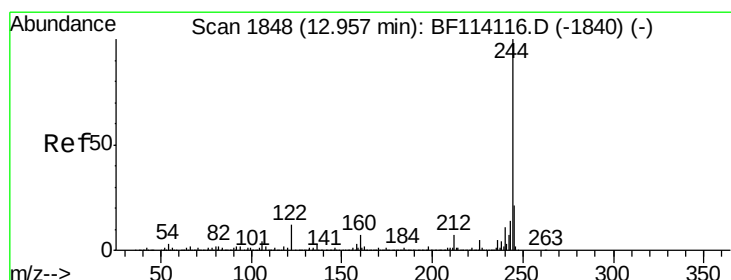
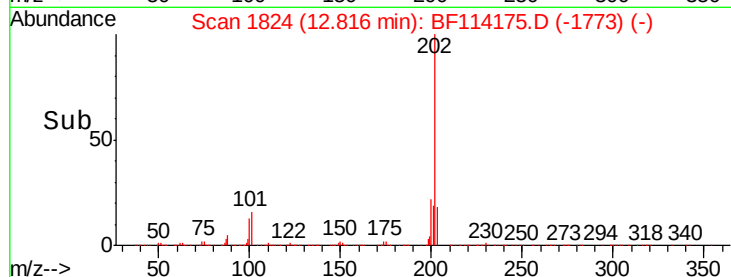
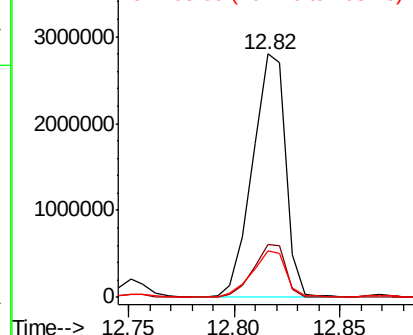


Abundance

Ion 202.00 (201.70 to 202.70): E

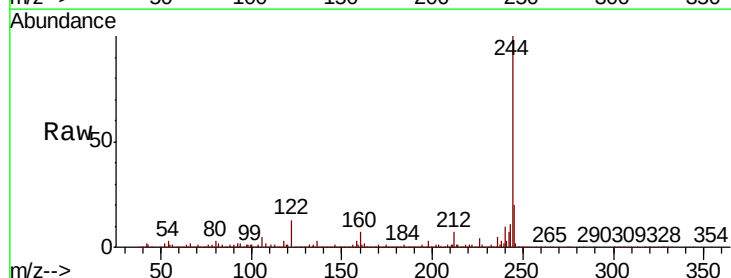
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 67.720 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF114175.D
Acq: 12 May 2019 1:19

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	13.5	9.4	14.2

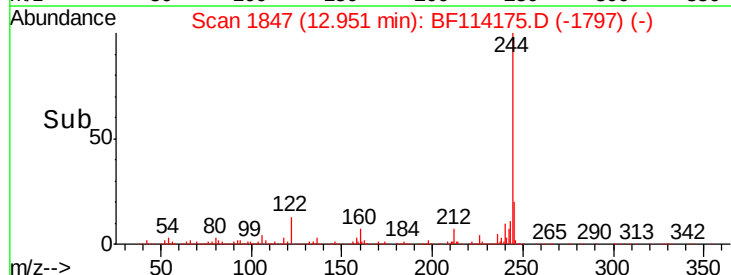
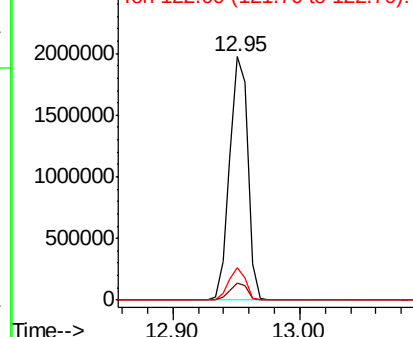


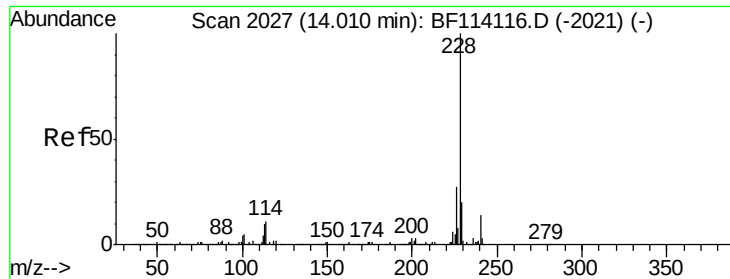
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 36.464 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF114175.D

Acq: 12 May 2019 1:19

Instrument :

BNA_F

ClientSampleId :

P026-SS005-1218-01

Tot Ion:228 Resp: 1403479

Ion Ratio Lower Upper

228 100

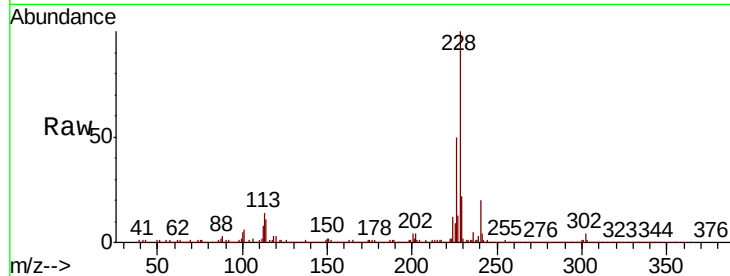
226 50.4 22.2 33.2#

229 21.7 16.4 24.6

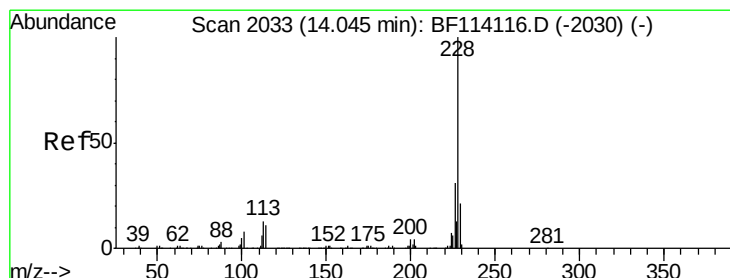
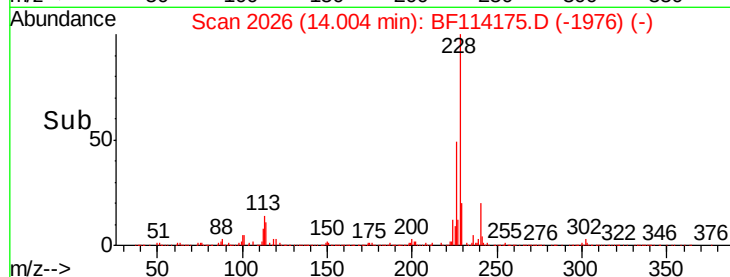
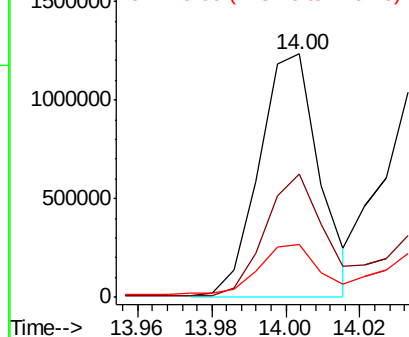
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 44.201 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF114175.D

Acq: 12 May 2019 1:19

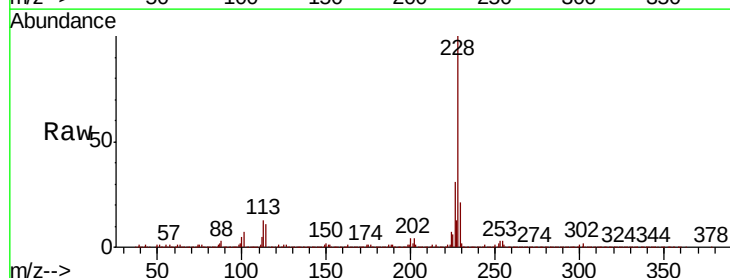
Tgt Ion:228 Resp: 1667711

Ion Ratio Lower Upper

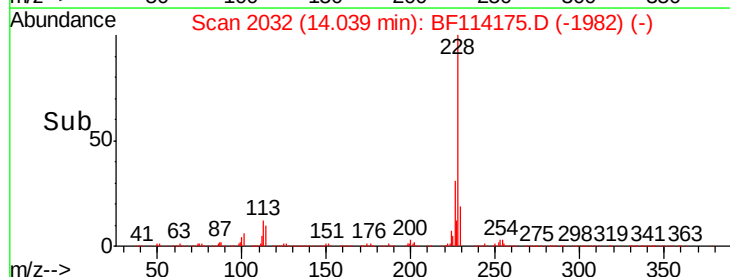
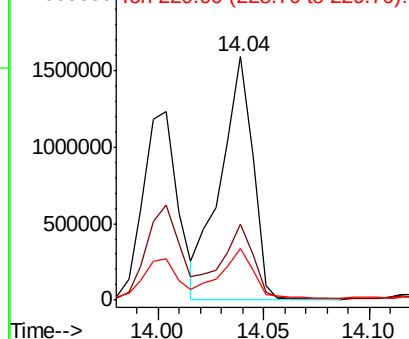
228 100

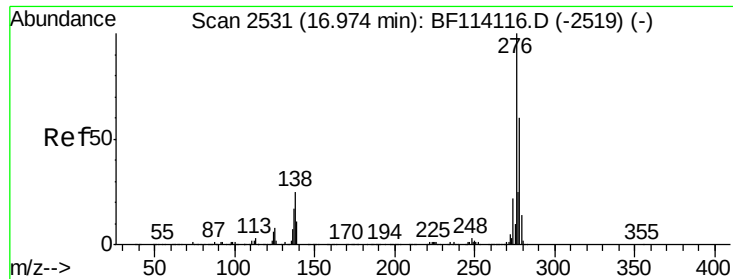
226 31.4 25.0 37.6

229 21.1 17.0 25.6



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





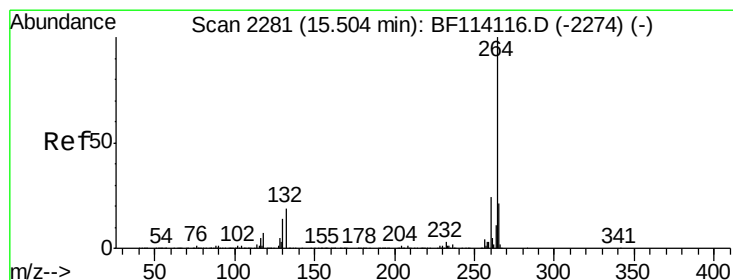
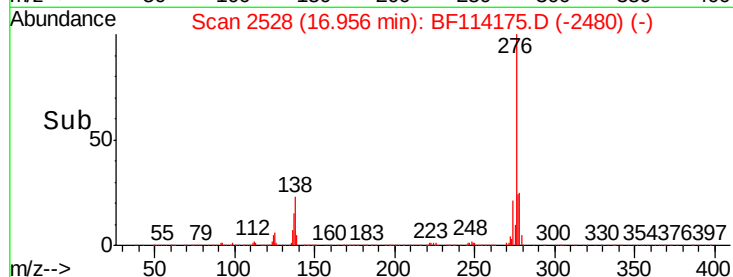
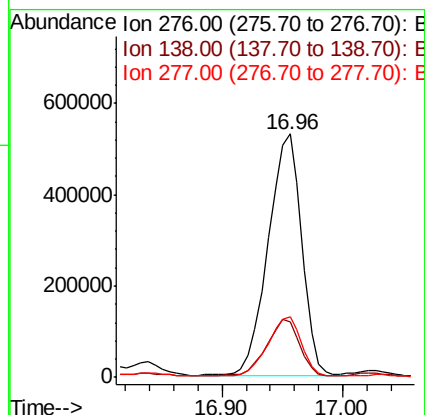
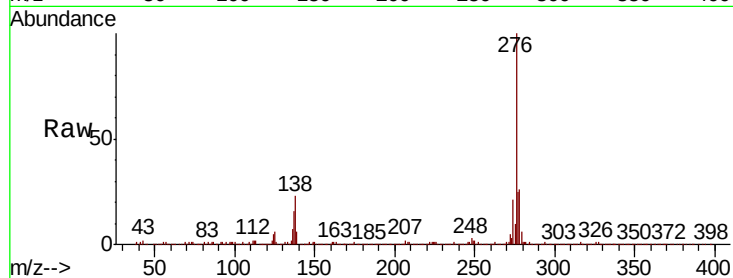
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 30.642 ng
 RT: 16.96 min Scan# 2528
 Delta R.T. -0.02 min
 Lab File: BF114175.D
 Acq: 12 May 2019 1:19

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS005-1218-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	20.2	30.2
277	24.4	20.0	30.0

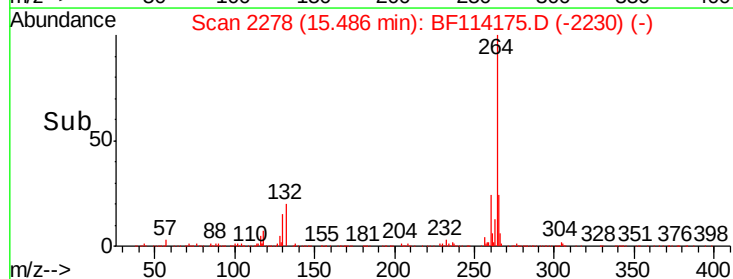
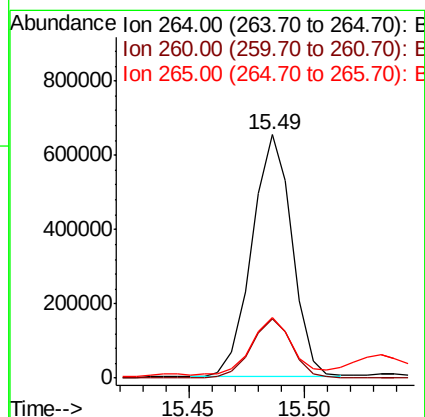
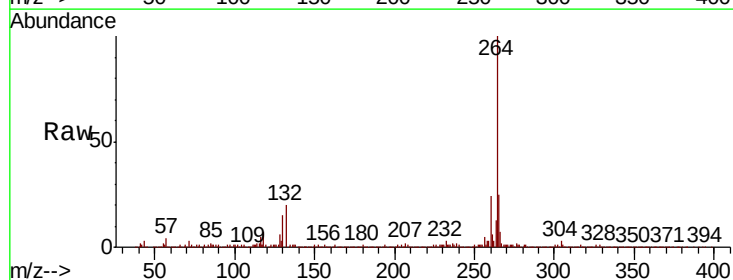
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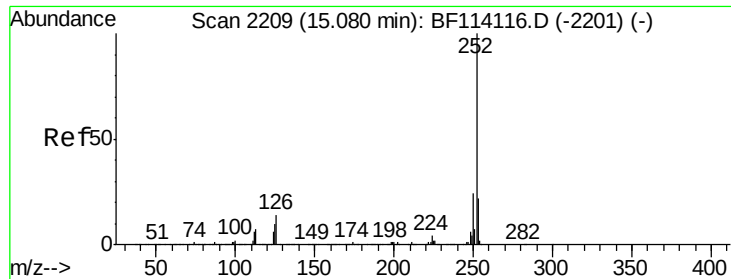
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. -0.02 min
 Lab File: BF114175.D
 Acq: 12 May 2019 1:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.0
265	24.6	16.9	25.3





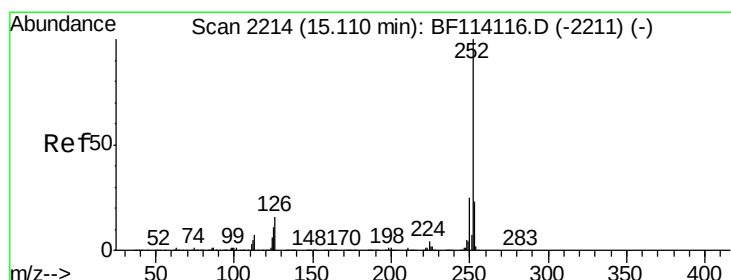
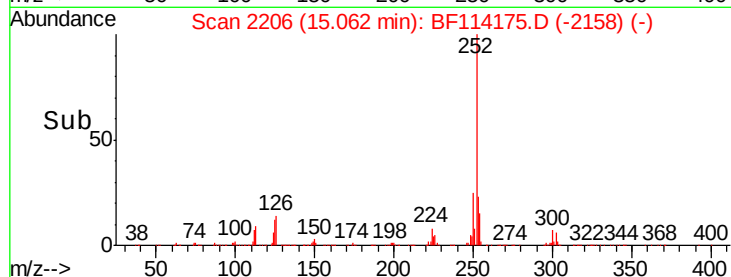
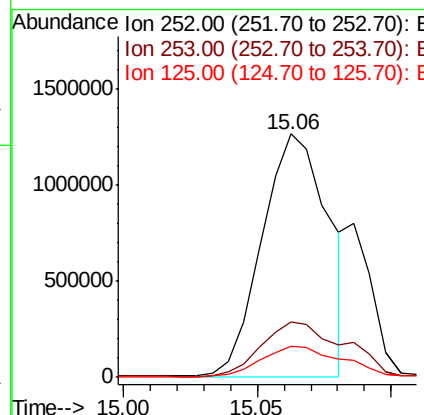
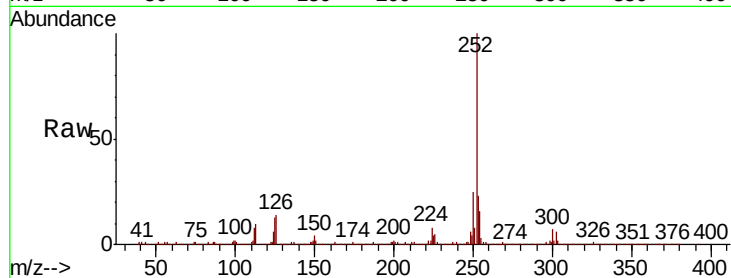
#88
Benzo(b)fluoranthene
Concen: 43.169 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF114175.D
Acq: 12 May 2019 1:19

Instrument :
BNA_F
ClientSampleId :
P026-SS005-1218-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	12.6	8.3	12.5

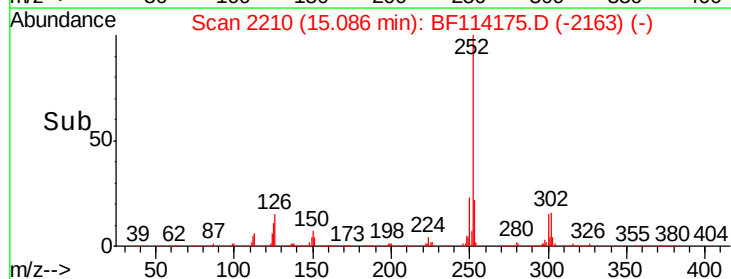
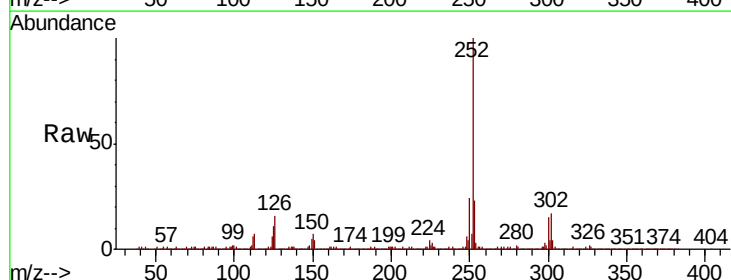
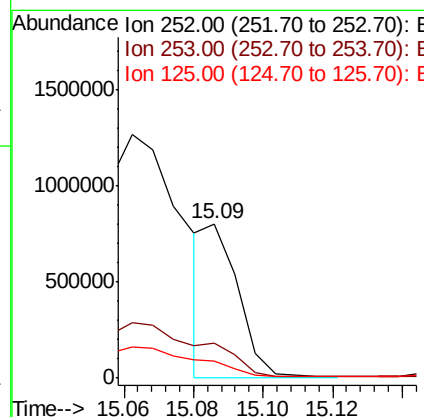
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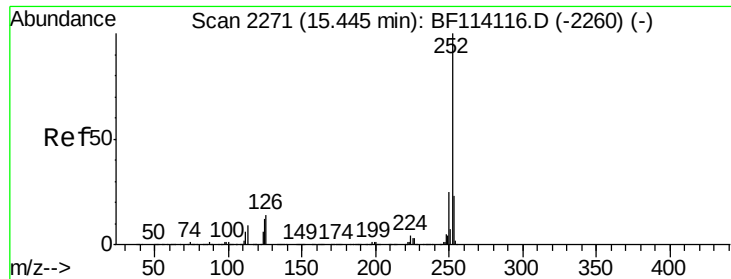
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#89
Benzo(k)fluoranthene
Concen: 11.589 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.02 min
Lab File: BF114175.D
Acq: 12 May 2019 1:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	11.3	8.6	13.0





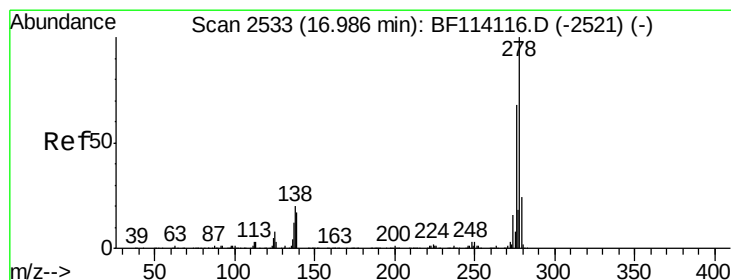
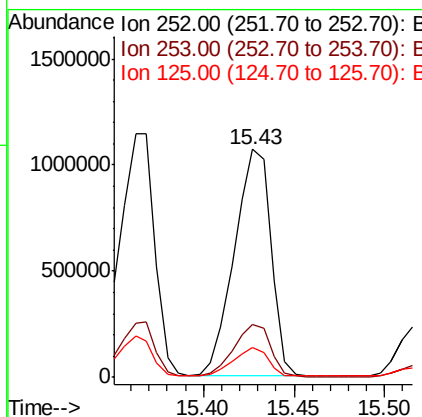
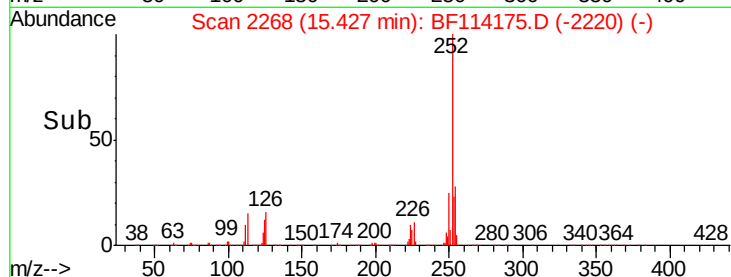
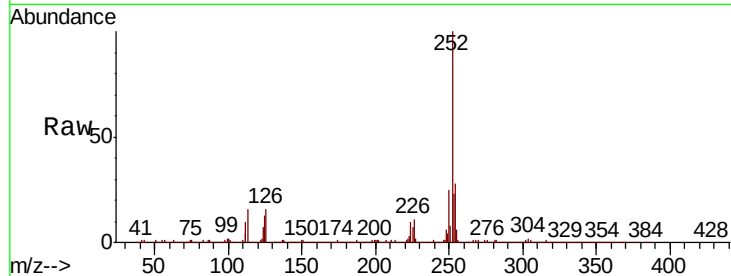
#90
Benzo(a)pyrene
Concen: 33.791 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF114175.D
Acq: 12 May 2019 1:19

Instrument :
BNA_F
ClientSampleId :
P026-SS005-1218-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	13.0	9.5	14.3

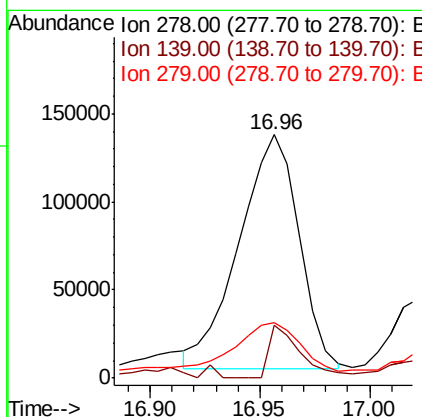
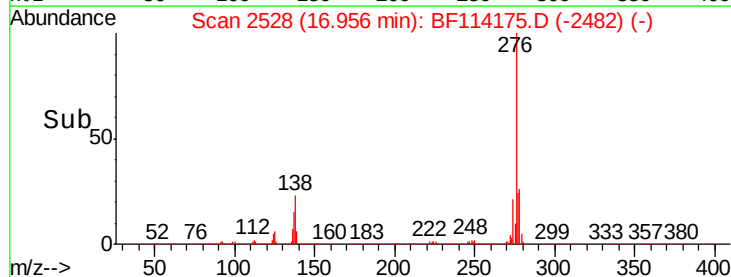
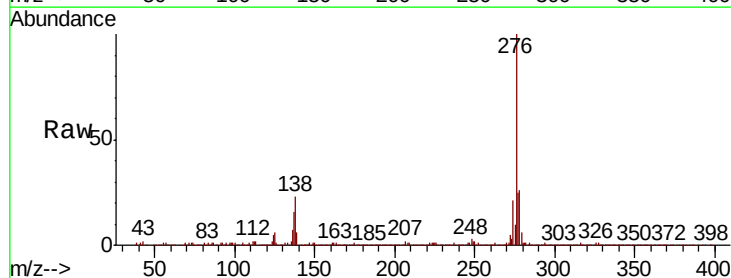
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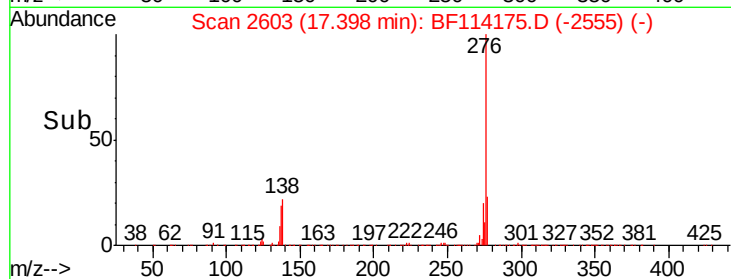
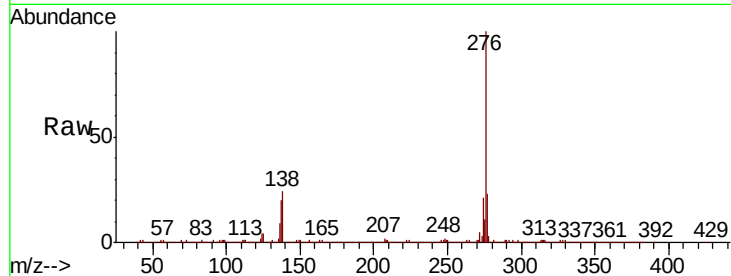
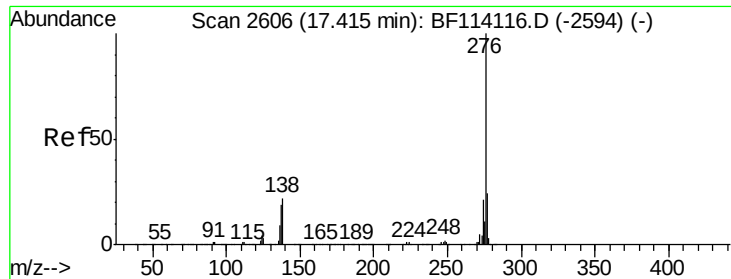
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#91
Dibenzo(a,h)anthracene
Concen: 6.848 ng m
RT: 16.96 min Scan# 2528
Delta R.T. -0.03 min
Lab File: BF114175.D
Acq: 12 May 2019 1:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.6	13.5	20.3#
279	22.7	19.0	28.6





#92
Benzo(a,h,i)perylene
Concen: 30.550 ng
RT: 17.40 min Scan# 2603
Delta R.T. -0.02 min
Lab File: BF114175.D
Acq: 12 May 2019 1:19

Instrument :
BNA_F
ClientSampleId :
P026-SS005-1218-01

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.0	28.4
138	23.6	17.8	26.6

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