

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
 Data File : BF114190.D
 Acq On : 12 May 2019 14:20
 Operator : JU/SJ
 Sample : K2766-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS007-1218-01

Manual Integrations
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Quant Time: May 13 08:28:29 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	322669	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1231542	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	586981	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	1174672	20.00	ng	0.00
76) Chrysene-d12	14.01	240	711293	20.00	ng	-0.01
87) Perylene-d12	15.48	264	820478	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	2202237	109.83	ng	0.00
7) Phenol-d6	6.50	99	2944013	124.14	ng	0.00
23) Nitrobenzene-d5	7.42	82	1849400	84.28	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	726029	119.64	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2720269	70.10	ng	0.00
79) Terphenyl-d14	12.96	244	2564896	74.33	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.15	128	258867	4.500	ng	98
32) Benzoic acid	7.86	122	4300m	7.323	ng	
37) 2-Methylnaphthalene	8.85	142	114754	3.092	ng	97
38) 1-Methylnaphthalene	8.94	142	84455	2.416	ng	94
49) Acenaphthylene	9.75	152	403634	6.954	ng	96
50) Dimethylphthalate	9.60	163	440423	10.221	ng	99
71) Phenanthrene	11.40	178	2441709	42.725	ng	100
72) Anthracene	11.45	178	264964	4.616	ng	97
75) Fluoranthene	12.59	202	2623637	42.631	ng	96
78) Pyrene	12.82	202	4153476	72.588	ng	95
81) Benzo(a)anthracene	14.00	228	1313072m	28.541	ng	
83) Chrysene	14.04	228	1591609	35.292	ng	99
86) Indeno(1,2,3-cd)pyrene	16.95	276	746286	18.724	ng	97
88) Benzo(b)fluoranthene	15.06	252	1605522m	30.544	ng	
89) Benzo(k)fluoranthene	15.08	252	343375m	7.111	ng	
90) Benzo(a)pyrene	15.42	252	1098681	23.750	ng	99
91) Dibenzo(a,h)anthracene	16.95	278	204013m	5.307	ng	
92) Benzo(g,h,i)perylene	17.39	276	842444	21.868	ng	97

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

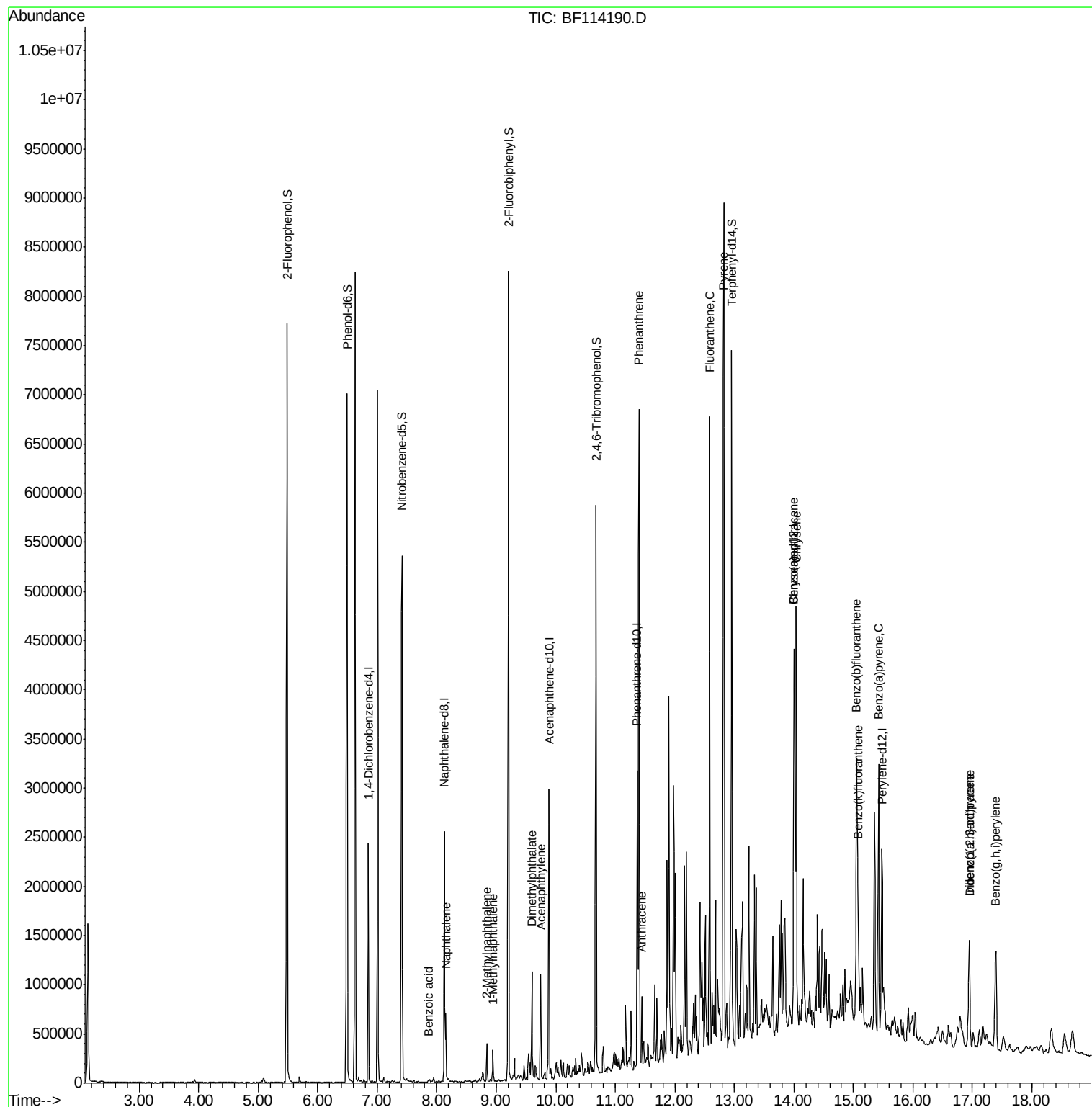
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
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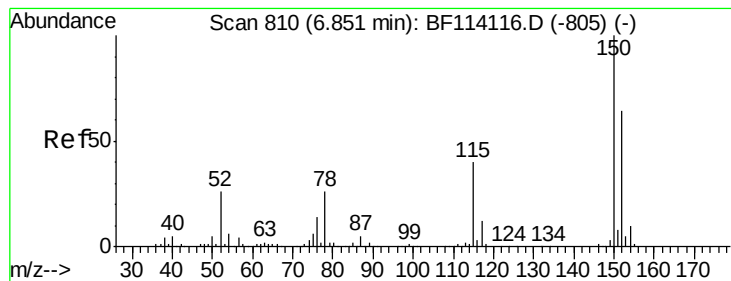
Instrument :
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P026-SS007-1218-01

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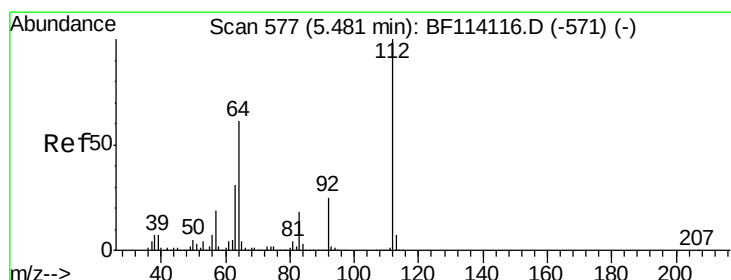
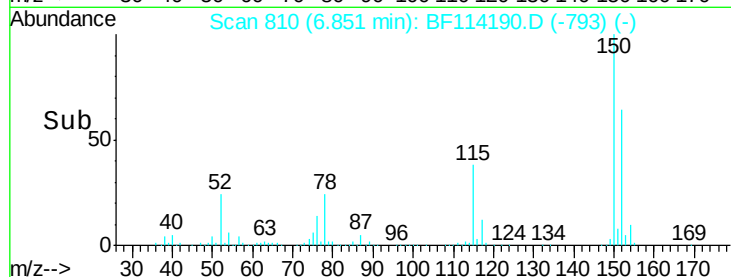
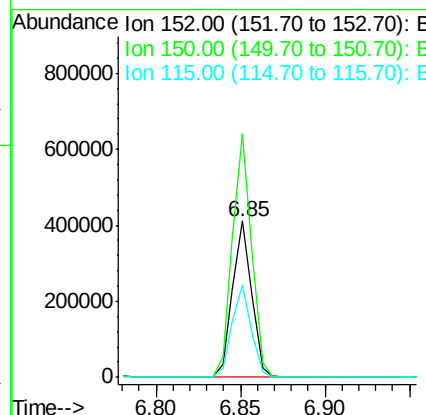
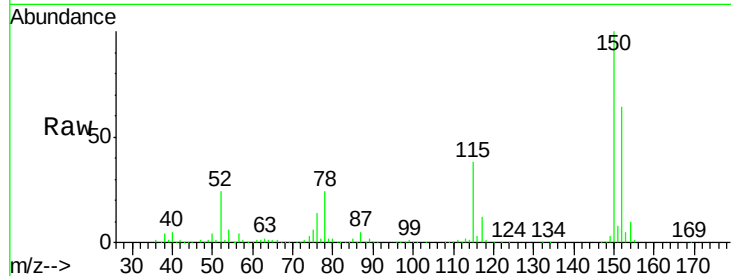
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF114190.D
 Acq: 12 May 2019 14:20

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS007-1218-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.3	186.5
115	59.0	49.1	73.7

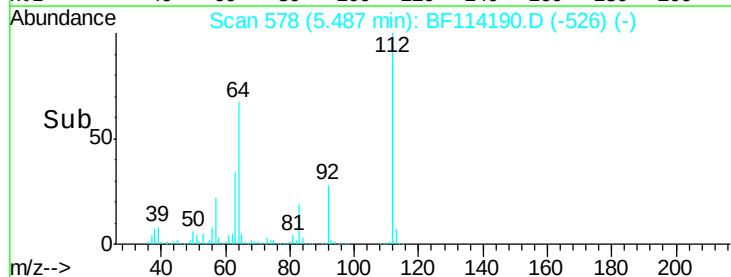
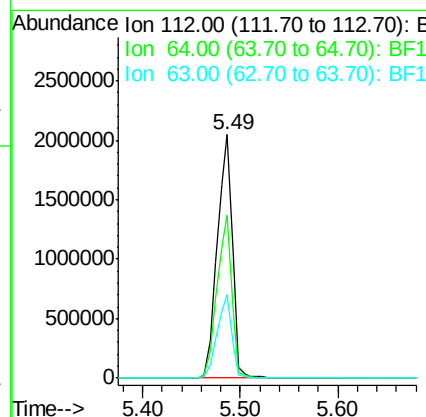
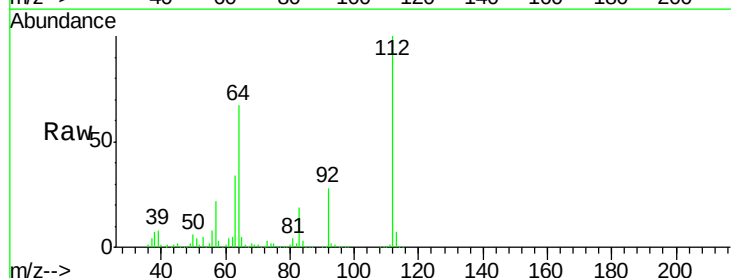
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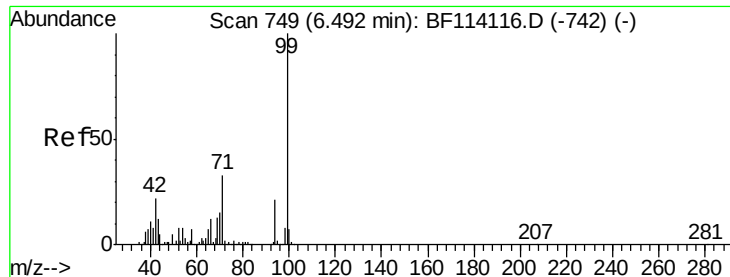
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#5
 2-Fluorophenol
 Concen: 109.833 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF114190.D
 Acq: 12 May 2019 14:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	49.0	73.6
63	34.2	24.6	37.0





#7

Phenol-d6

Concen: 124.143 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF114190.D

Acq: 12 May 2019 14:20

Instrument :

BNA_F

ClientSampleId :

P026-SS007-1218-01

Tot Ion: 99 Resp: 2944013

Ion Ratio Lower Upper

99 100

42 21.5 17.9 26.9

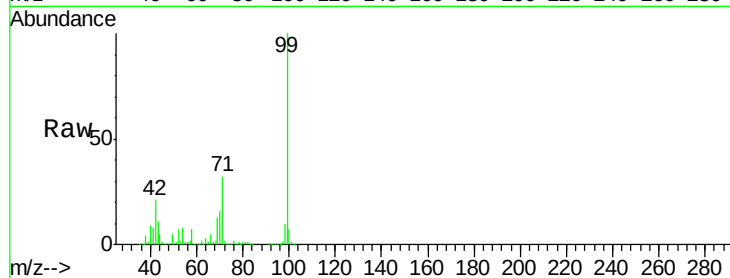
71 32.2 26.2 39.2

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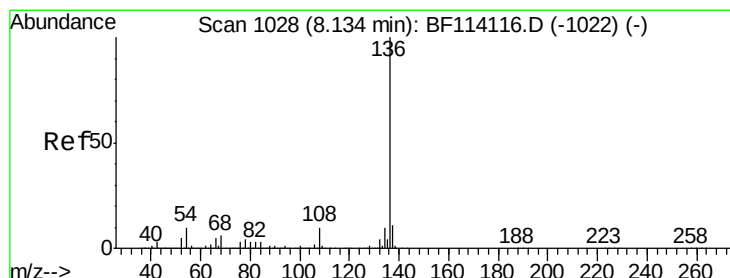
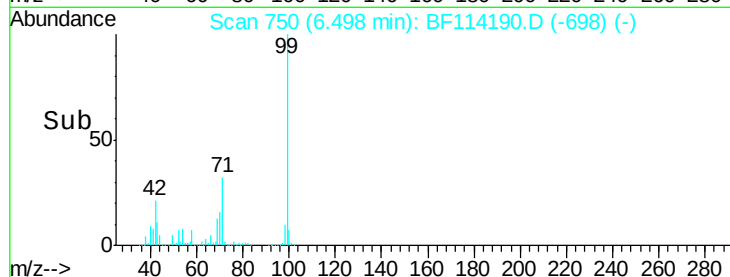
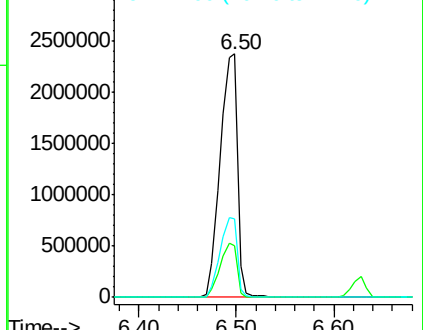
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF114190.D

Acq: 12 May 2019 14:20

Tgt Ion: 136 Resp: 1231542

Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 8.8 7.8 11.8

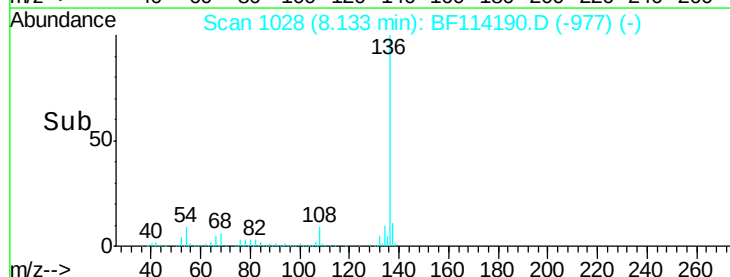
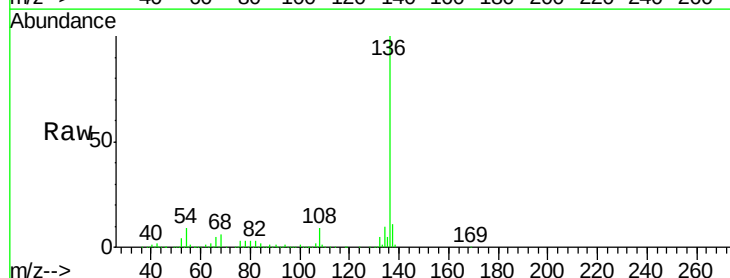
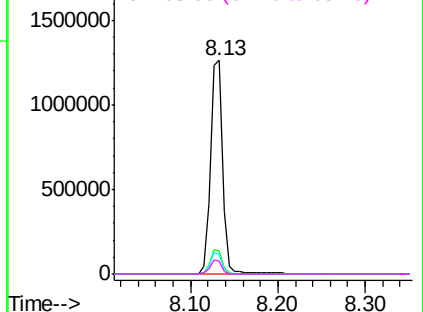
68 5.9 5.1 7.7

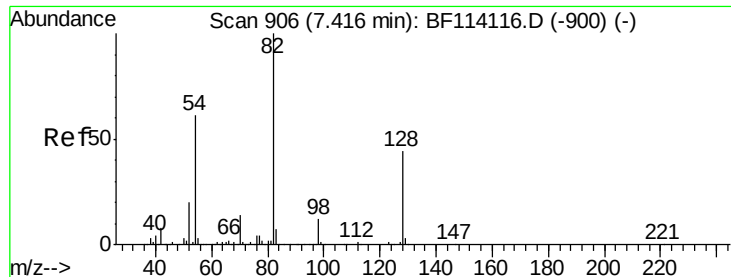
Abundance Ion 136.00 (135.70 to 136.70): E

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





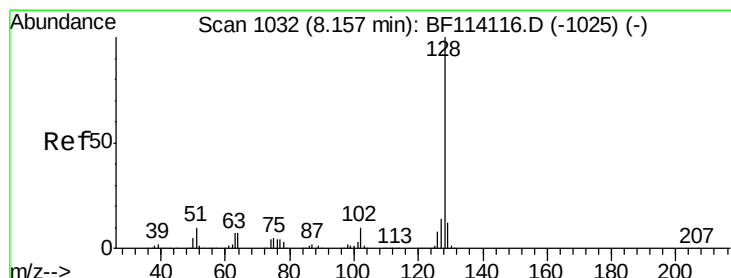
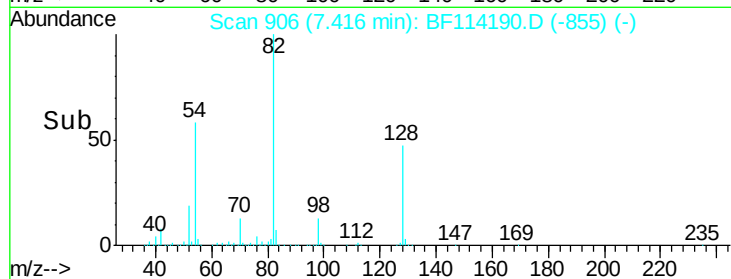
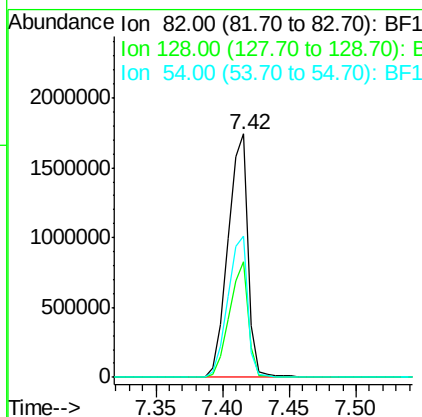
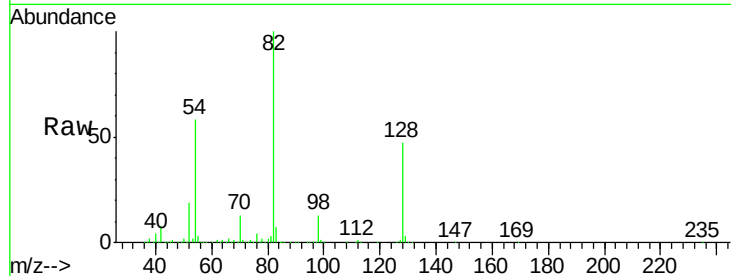
#23
 Nitrobenzene-d5
 Concen: 84.275 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: BF114190.D
 Acq: 12 May 2019 14:20

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS007-1218-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.4	35.5	53.3
54	58.2	48.5	72.7

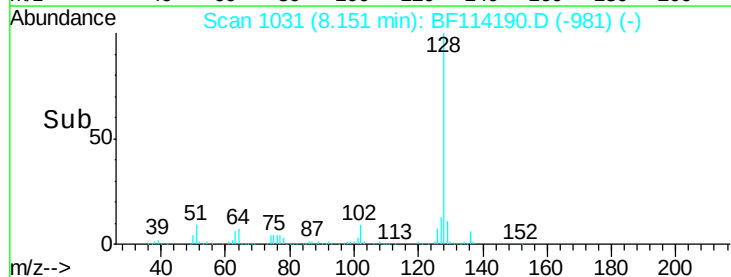
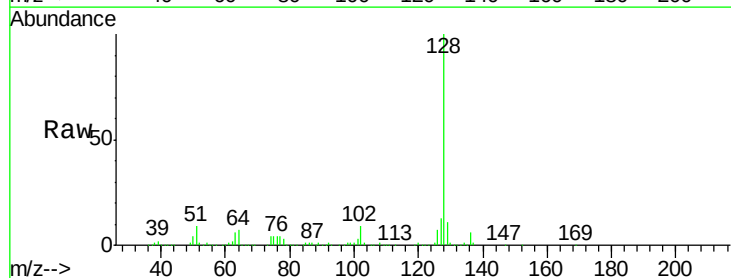
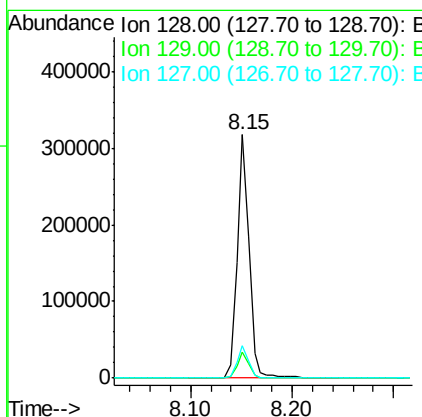
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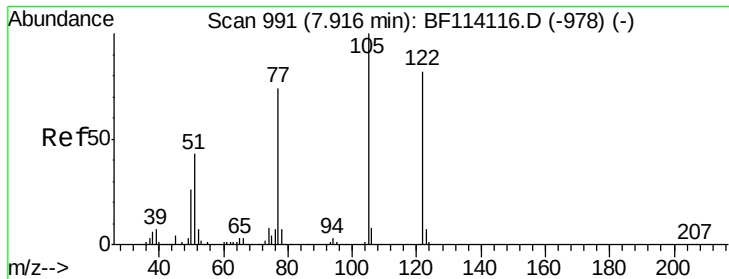
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#31
 Naphthalene
 Concen: 4.500 ng
 RT: 8.15 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: BF114190.D
 Acq: 12 May 2019 14:20

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.6	14.4
127	13.3	11.3	16.9





#32

Benzoic acid

Concen: 7.323 ng m

RT: 7.86 min Scan# 981

Delta R.T. -0.06 min

Lab File: BF114190.D

Acq: 12 May 2019 14:20

Instrument :

BNA_F

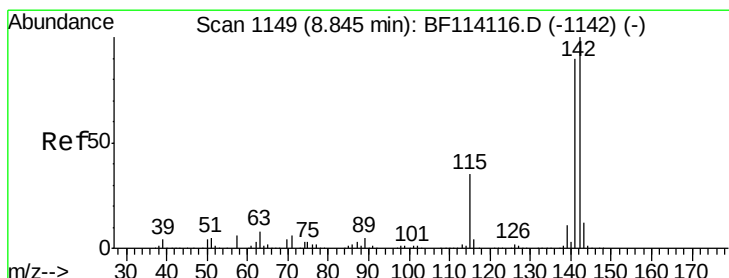
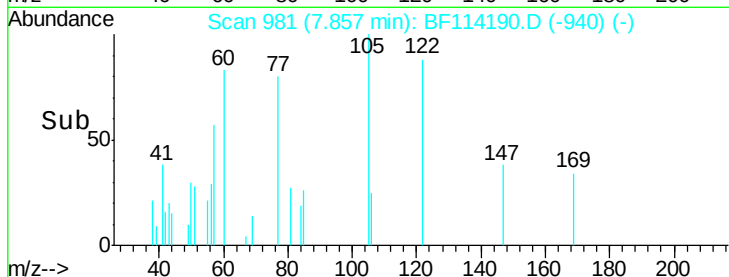
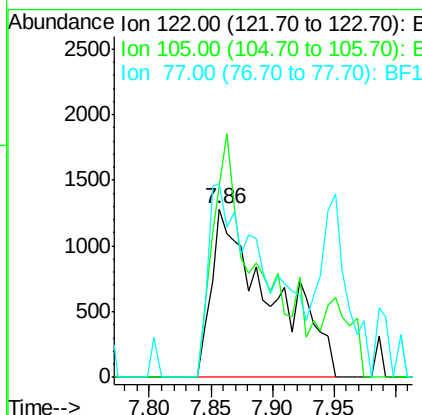
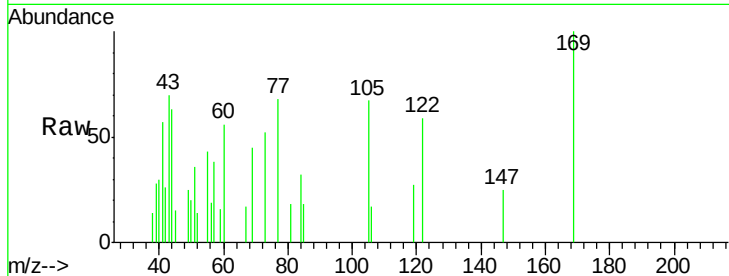
ClientSampleId :

P026-SS007-1218-01

Tot Ion:	122	Resp:	4300
Ion Ratio	Lower	Upper	
122	100		
105	113.3	99.9	139.9
77	114.6	69.4	109.4

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#37

2-Methylnaphthalene

Concen: 3.092 ng

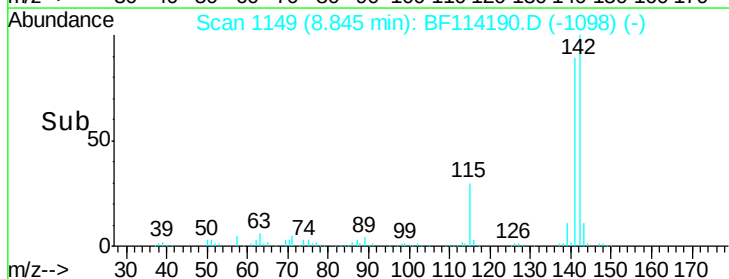
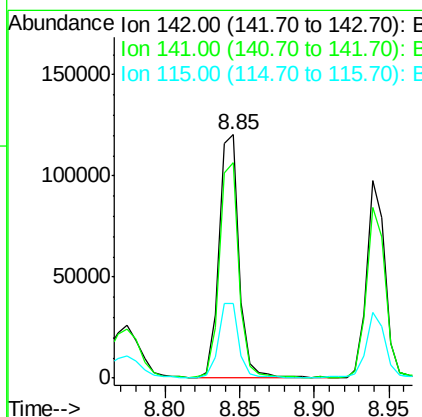
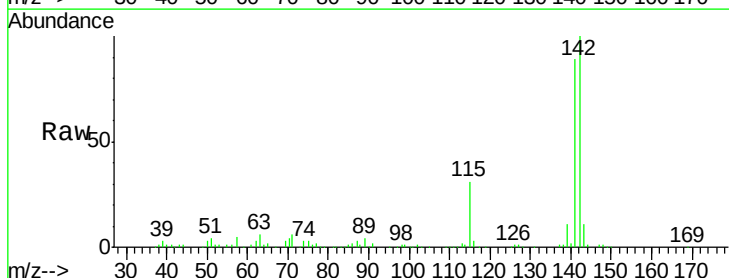
RT: 8.85 min Scan# 1149

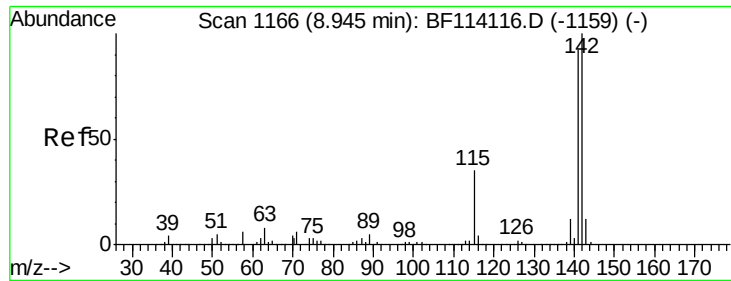
Delta R.T. -0.00 min

Lab File: BF114190.D

Acq: 12 May 2019 14:20

Tgt Ion:	142	Resp:	114754
Ion Ratio	Lower	Upper	
142	100		
141	88.5	72.1	108.1
115	30.7	28.0	42.0





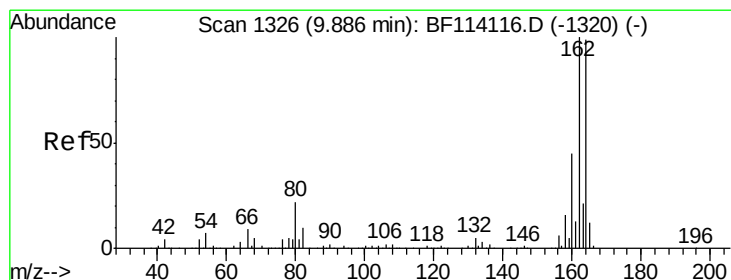
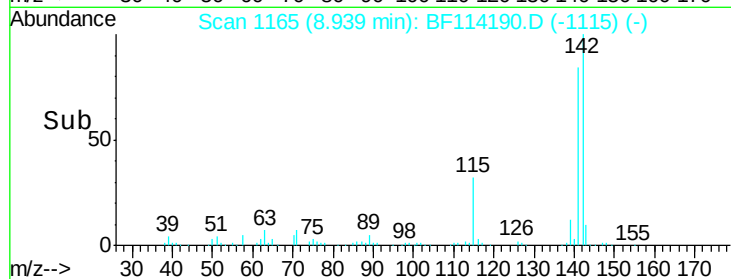
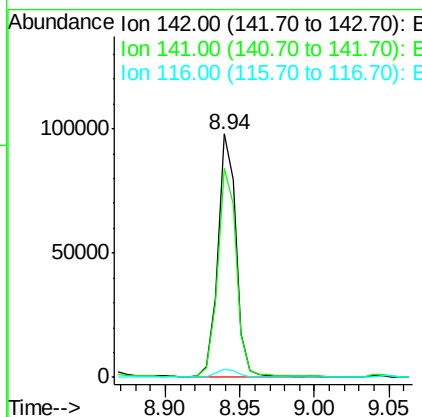
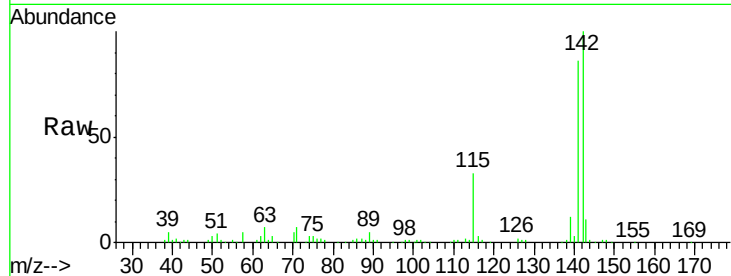
#38
1-Methylnaphthalene
Concen: 2.416 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF114190.D
Acq: 12 May 2019 14:20

Instrument :
BNA_F
ClientSampleId :
P026-SS007-1218-01

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.1	73.4	110.0
116	3.2	3.1	4.7

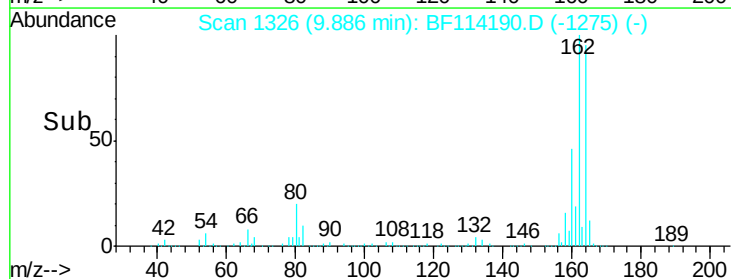
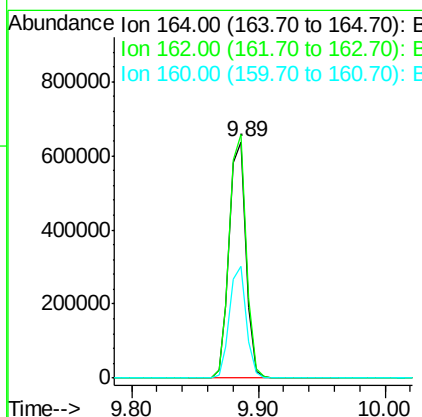
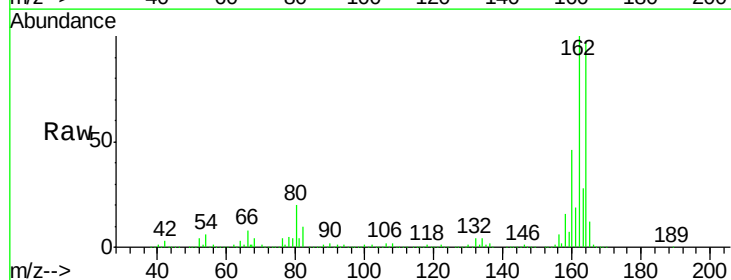
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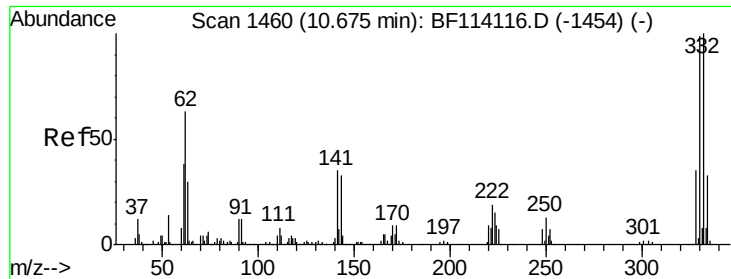
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114190.D
Acq: 12 May 2019 14:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	80.6	120.8
160	47.3	36.5	54.7





#42

2,4,6-Tribromophenol

Concen: 119.641 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114190.D

Acq: 12 May 2019 14:20

Instrument :

BNA_F

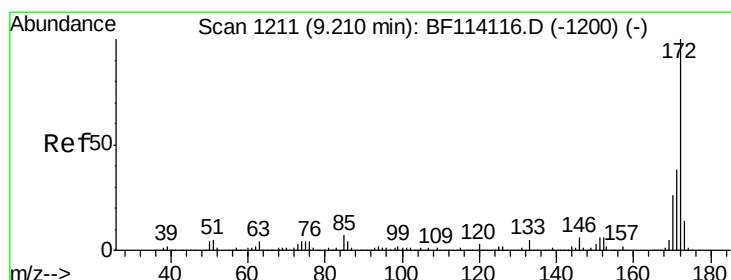
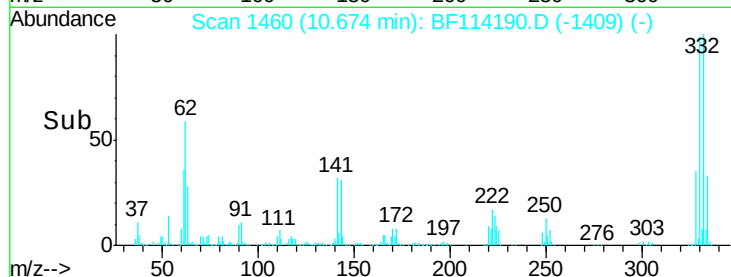
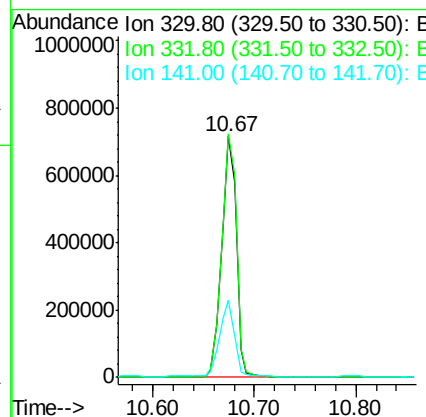
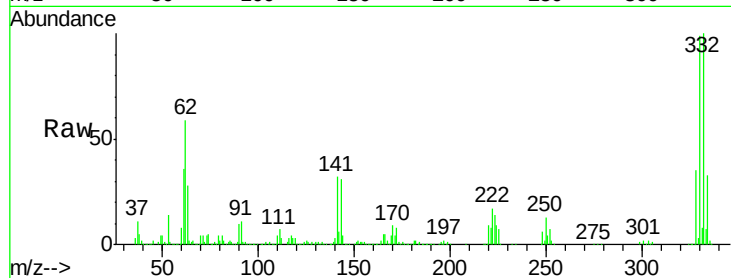
ClientSampleId :

P026-SS007-1218-01

Tot Ion:	330	Resp:	726029
Ion Ratio	Lower	Upper	
330	100		
332	101.7	81.4	122.2
141	31.7	26.6	40.0

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#45

2-Fluorobiphenyl

Concen: 70.102 ng

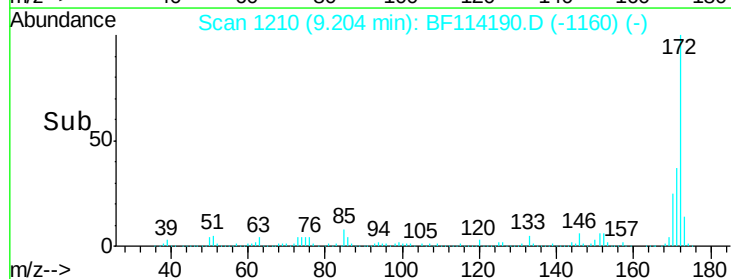
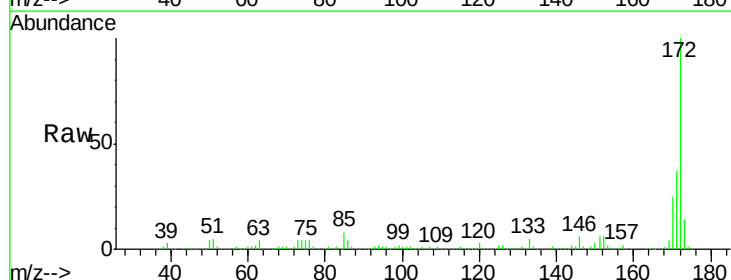
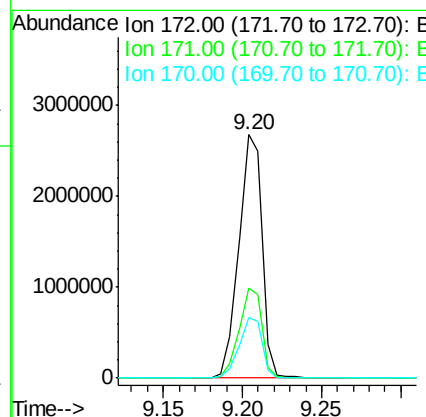
RT: 9.20 min Scan# 1210

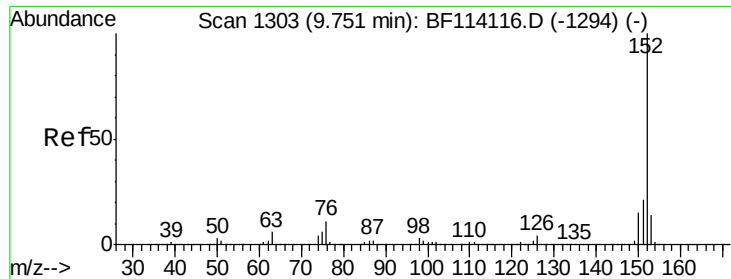
Delta R.T. -0.01 min

Lab File: BF114190.D

Acq: 12 May 2019 14:20

Tgt Ion:	172	Resp:	2720269
Ion Ratio	Lower	Upper	
172	100		
171	37.0	30.7	46.1
170	25.1	20.5	30.7





#49

Acenaphthylene

Concen: 6.954 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF114190.D

Acq: 12 May 2019 14:20

Instrument :

BNA_F

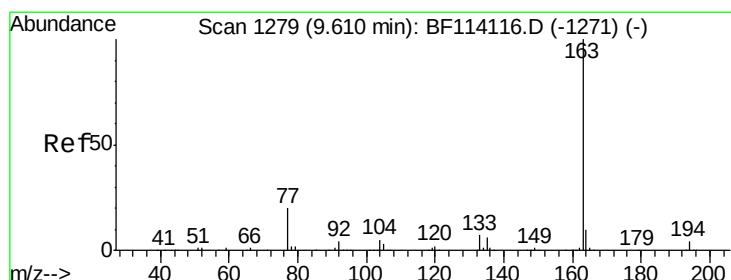
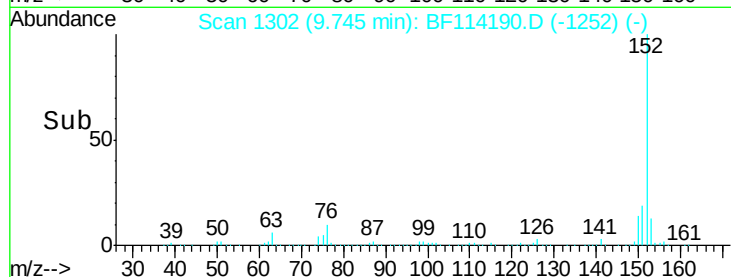
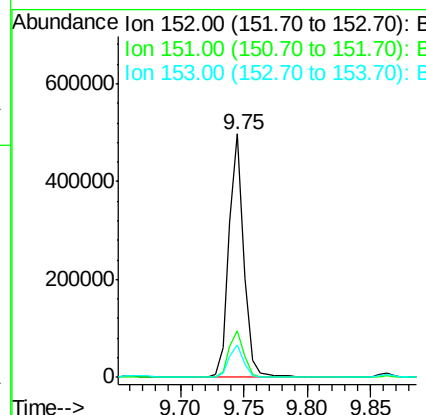
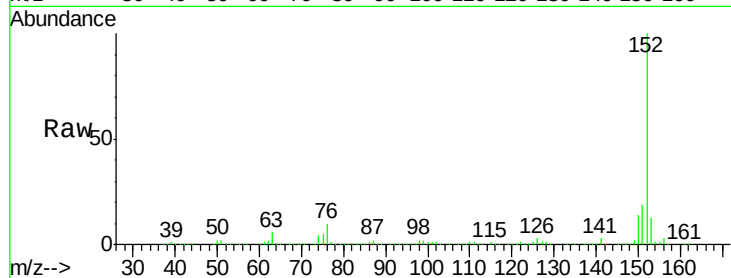
ClientSampleId :

P026-SS007-1218-01

Tot Ion:	152	Resp:	403634
Ion Ratio	Lower	Upper	
152	100		
151	19.0	16.8	25.2
153	13.2	11.4	17.2

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#50

Dimethylphthalate

Concen: 10.221 ng

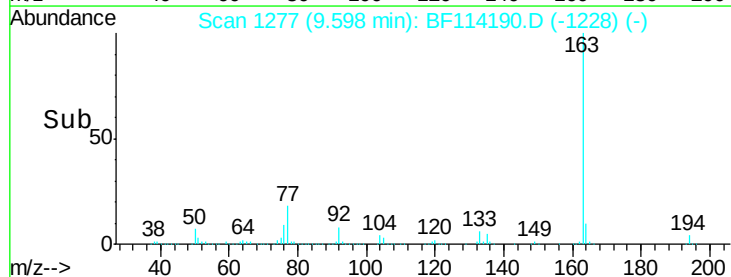
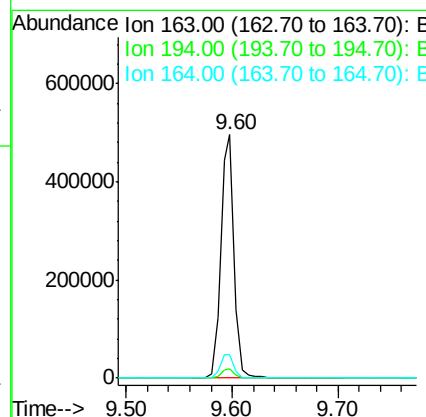
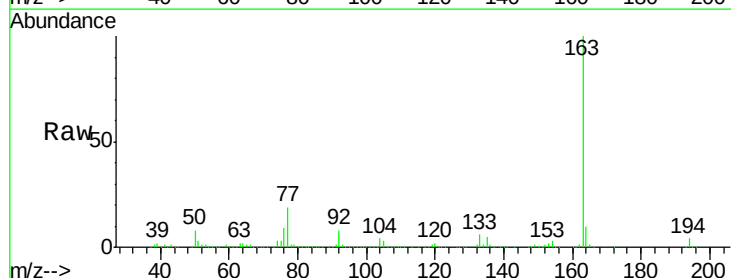
RT: 9.60 min Scan# 1277

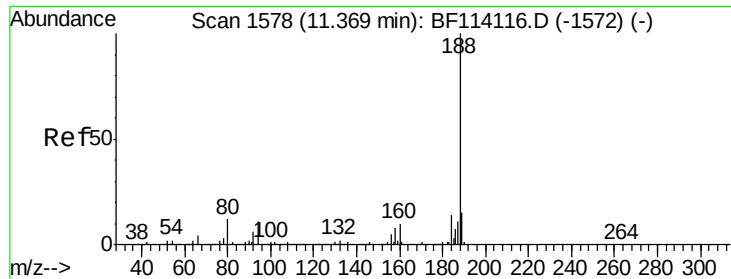
Delta R.T. -0.01 min

Lab File: BF114190.D

Acq: 12 May 2019 14:20

Tgt Ion:	163	Resp:	440423
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.4	5.0
164	9.8	8.2	12.2





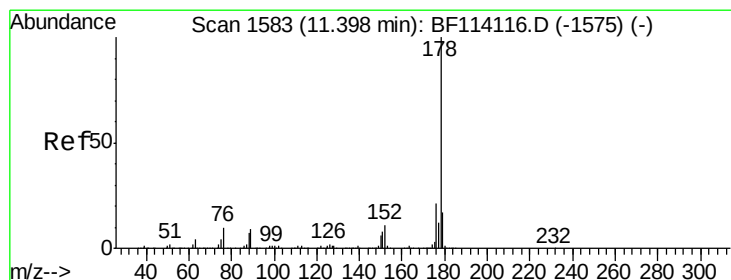
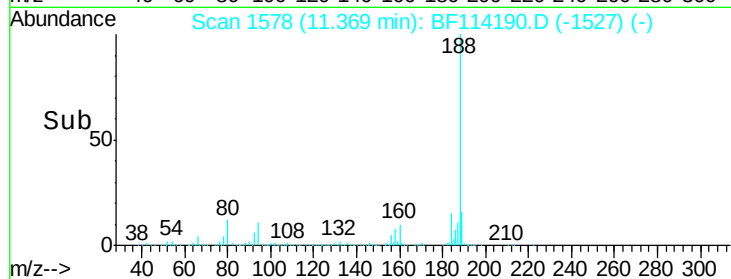
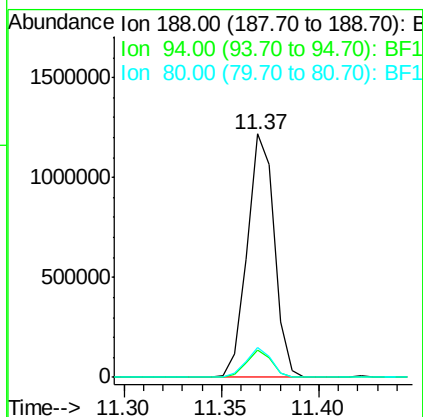
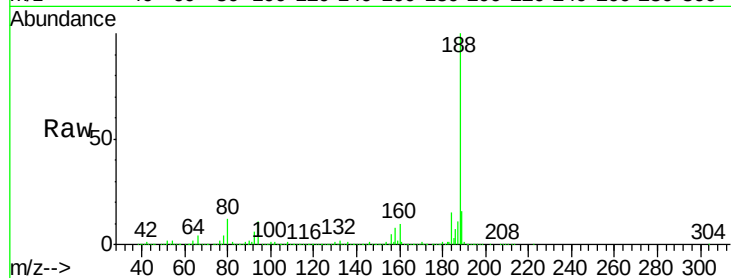
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF114190.D
Acq: 12 May 2019 14:20

Instrument :
BNA_F
ClientSampleId :
P026-SS007-1218-01

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.4	12.6
80	12.3	9.2	13.8

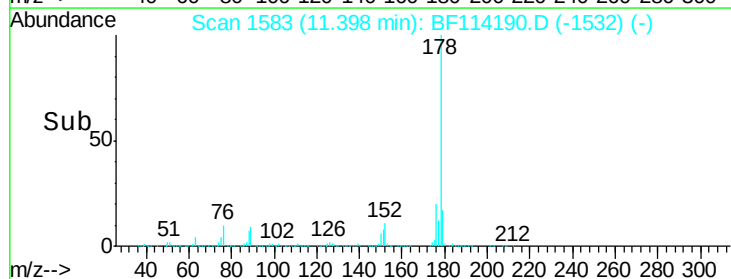
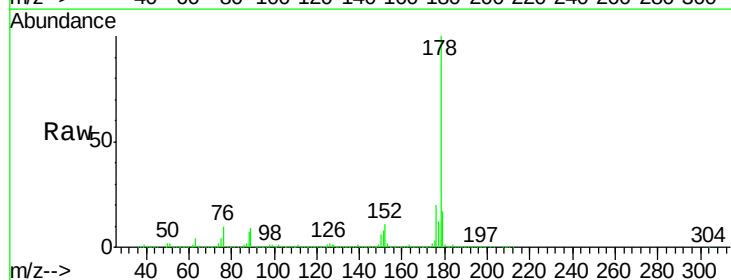
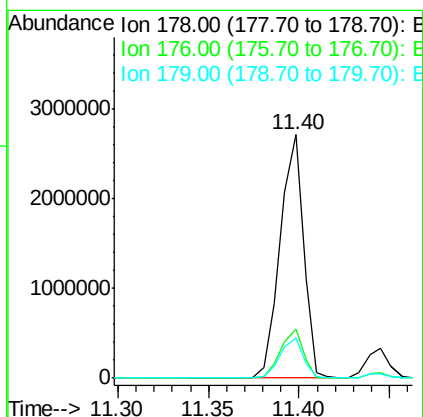
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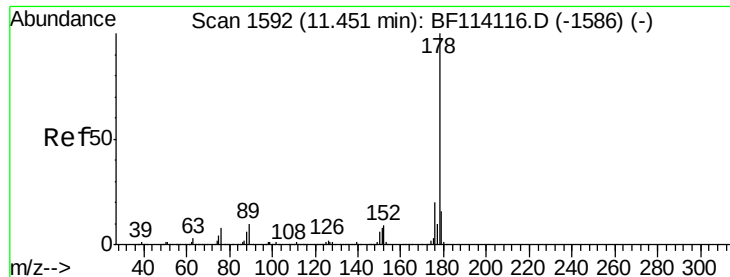
Sohil
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#71
Phenanthrene
Concen: 42.725 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF114190.D
Acq: 12 May 2019 14:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.4	24.6
179	16.6	13.2	19.8





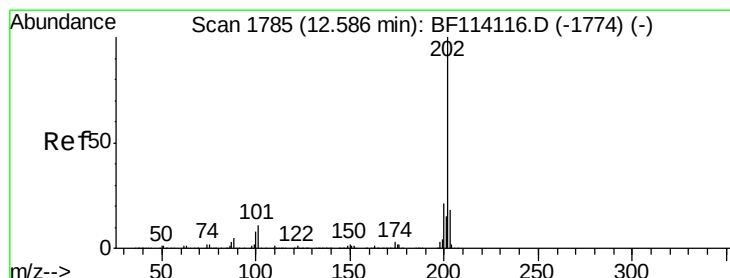
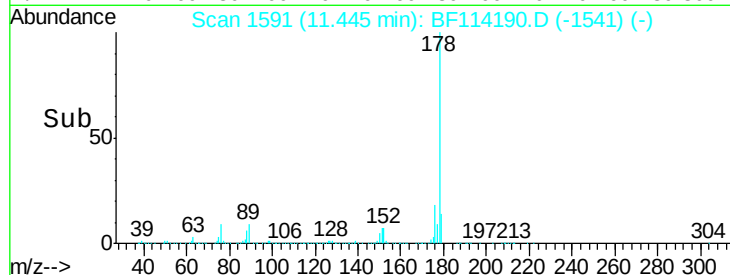
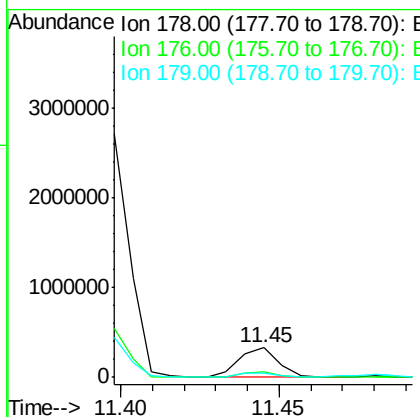
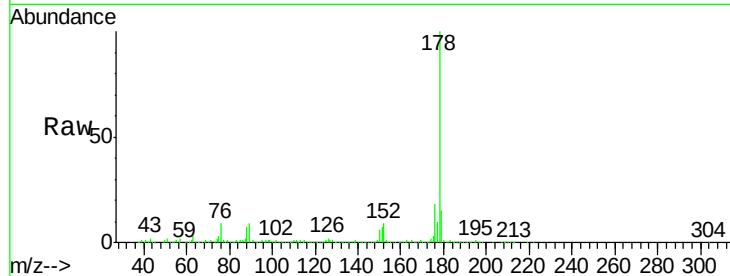
#72
 Anthracene
 Concen: 4.616 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF114190.D
 Acq: 12 May 2019 14:20

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS007-1218-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	15.0	13.0	19.4

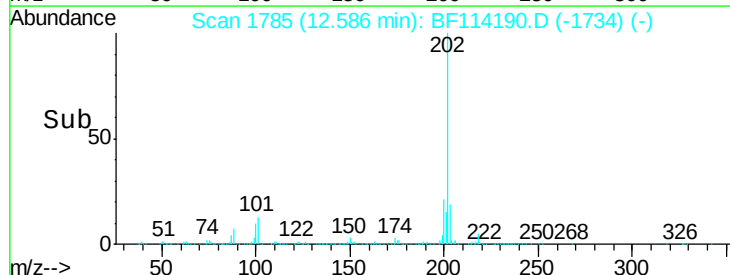
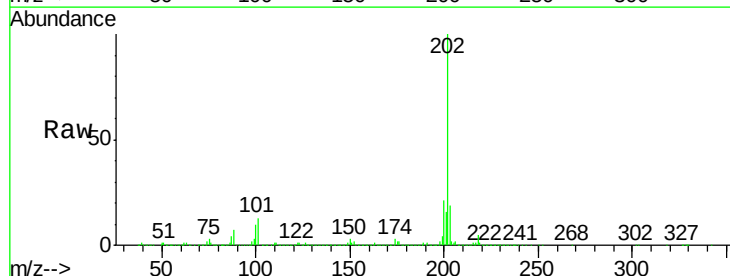
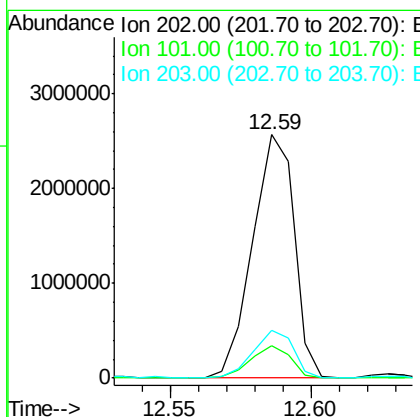
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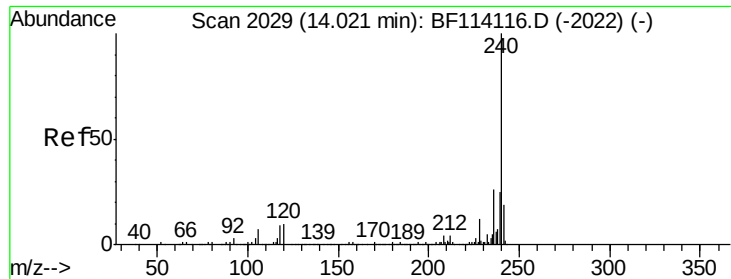
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#75
 Fluoranthene
 Concen: 42.631 ng
 RT: 12.59 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: BF114190.D
 Acq: 12 May 2019 14:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	31.0
203	19.4	0.0	38.4





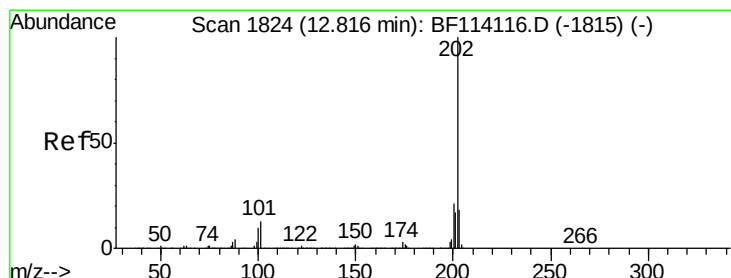
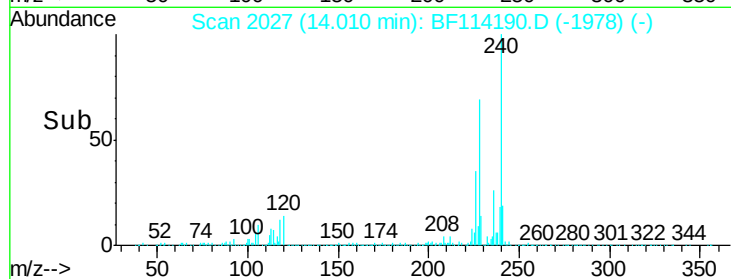
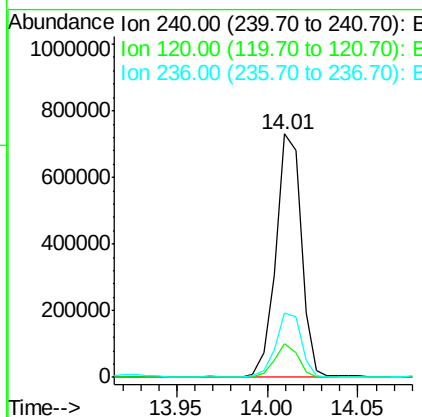
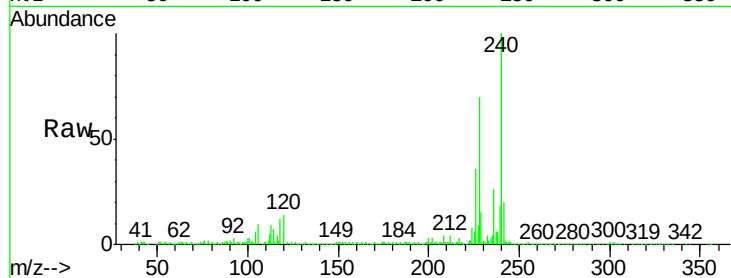
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF114190.D
Acq: 12 May 2019 14:20

Instrument :
BNA_F
ClientSampleId :
P026-SS007-1218-01

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.1	8.3	12.5
236	26.4	20.8	31.2

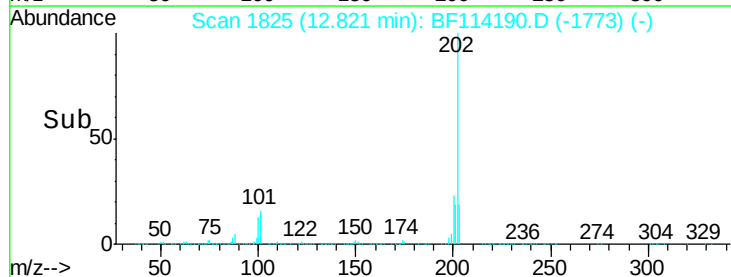
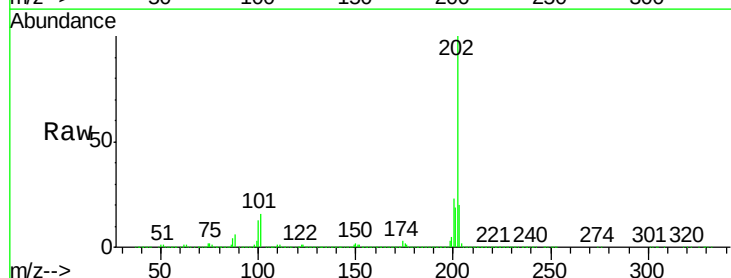
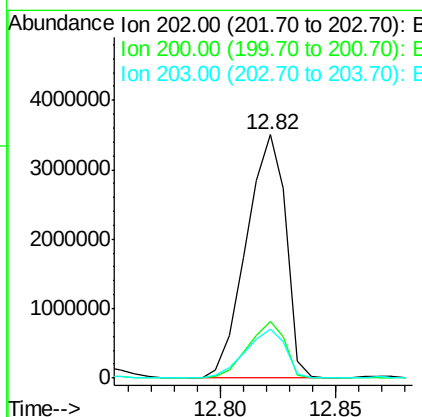
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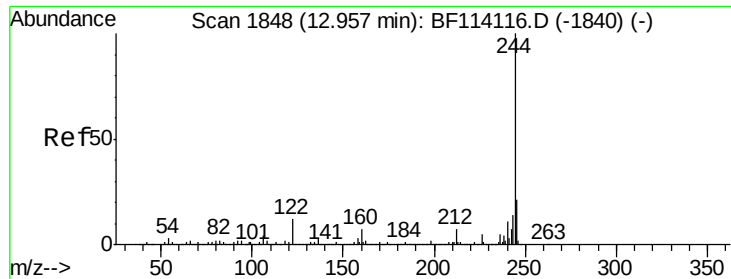
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#78
Pyrene
Concen: 72.588 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.01 min
Lab File: BF114190.D
Acq: 12 May 2019 14:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.2	16.9	25.3
203	20.1	14.5	21.7





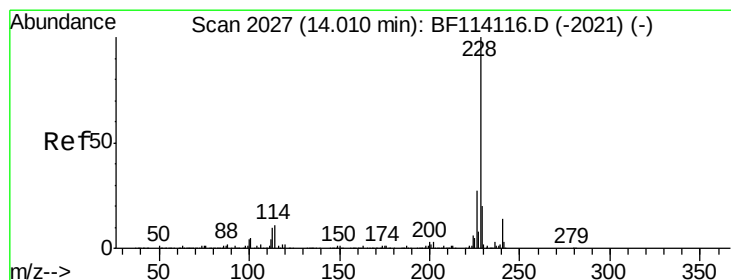
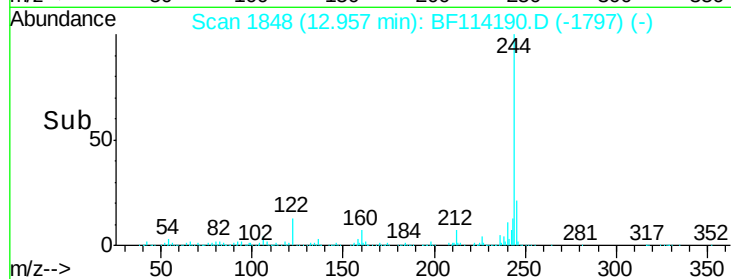
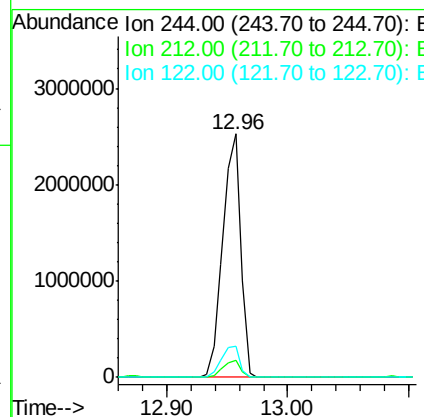
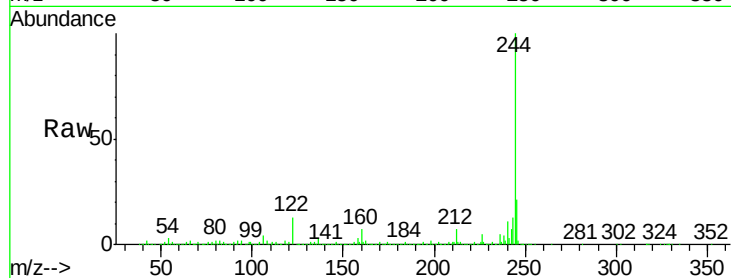
#79
 Terphenyl-d14
 Concen: 74.334 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: BF114190.D
 Acq: 12 May 2019 14:20

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS007-1218-01

Tot Ion:244 Resp: 2564896
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 12.7 9.4 14.2

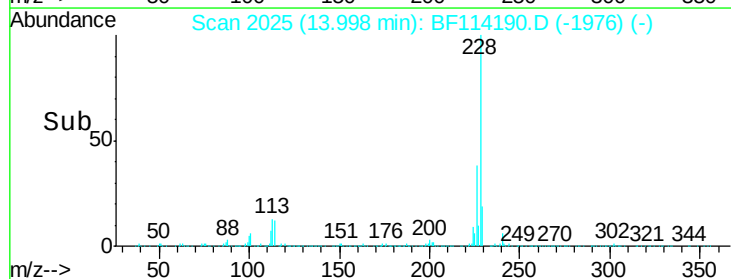
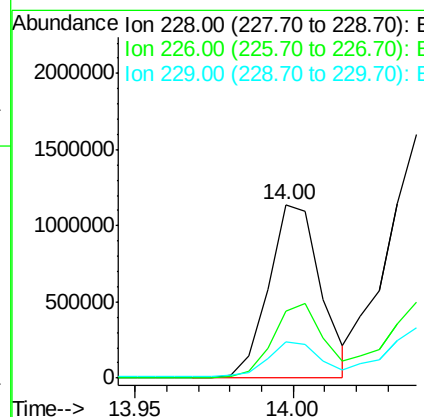
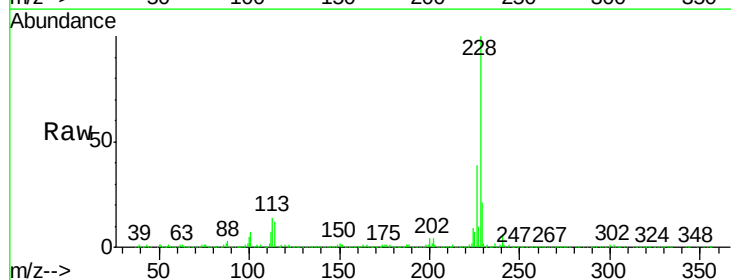
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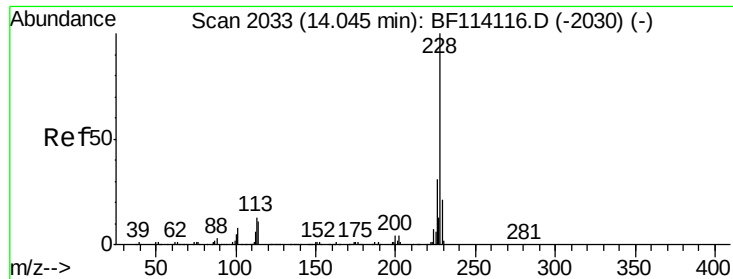
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#81
 Benzo(a)anthracene
 Concen: 28.541 ng m
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF114190.D
 Acq: 12 May 2019 14:20

Tgt Ion:228 Resp: 1313072
 Ion Ratio Lower Upper
 228 100
 226 38.6 22.2 33.2#
 229 21.3 16.4 24.6





#83

Chrysene

Concen: 35.292 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF114190.D

Acq: 12 May 2019 14:20

Instrument :

BNA_F

ClientSampleId :

P026-SS007-1218-01

Tot Ion:228 Resp: 1591609

Ion Ratio Lower Upper

228 100

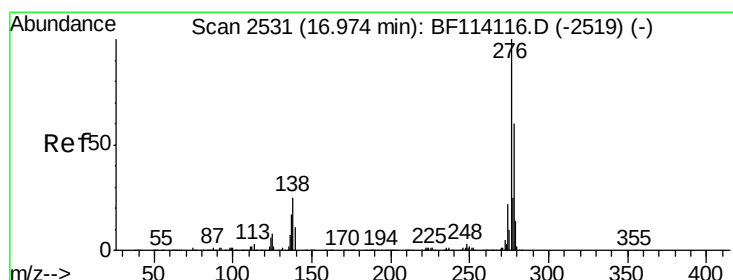
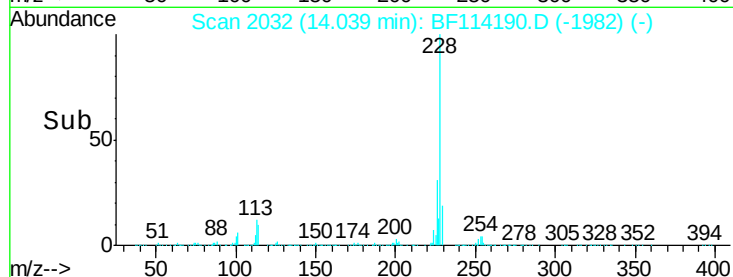
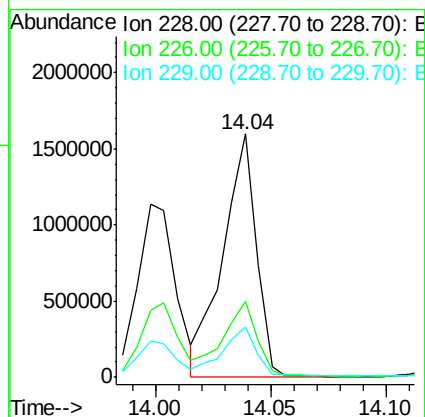
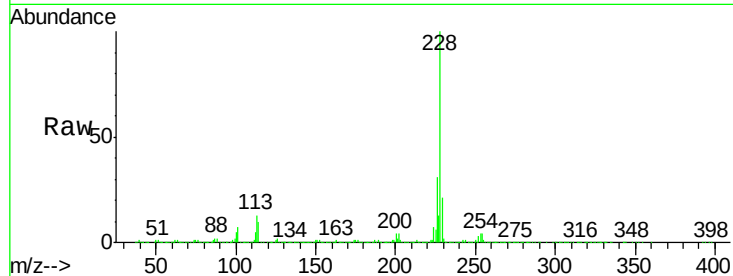
226 31.3 25.0 37.6

229 20.8 17.0 25.6

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#86

Indeno(1,2,3-cd)pyrene

Concen: 18.724 ng

RT: 16.95 min Scan# 2527

Delta R.T. -0.02 min

Lab File: BF114190.D

Acq: 12 May 2019 14:20

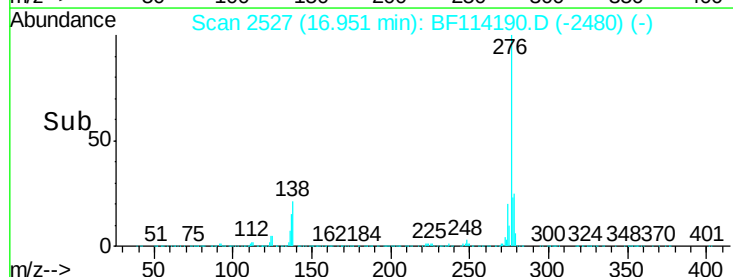
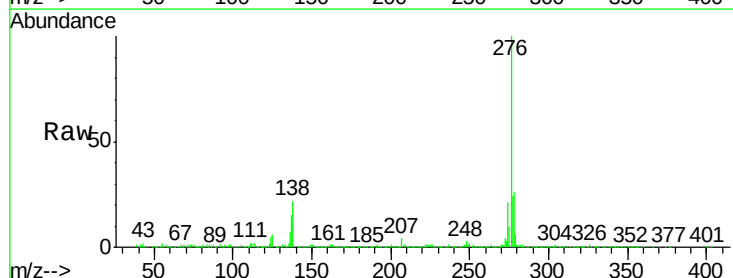
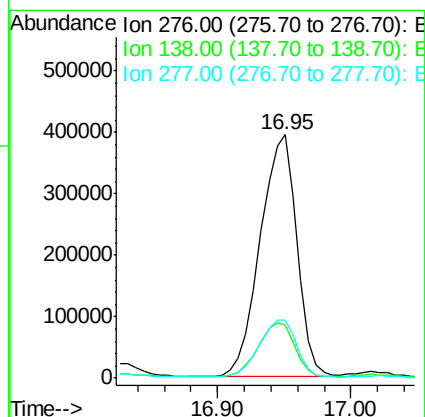
Tgt Ion:276 Resp: 746286

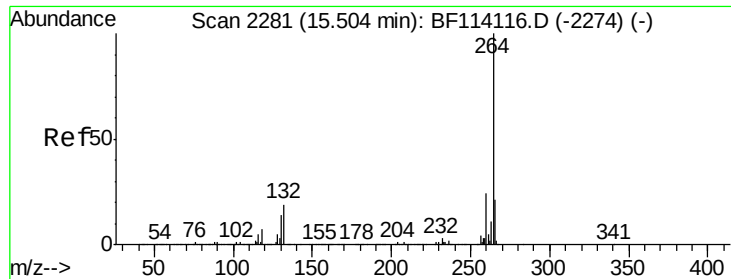
Ion Ratio Lower Upper

276 100

138 22.7 20.2 30.2

277 24.6 20.0 30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.02 min

Lab File: BF114190.D

Acq: 12 May 2019 14:20

Instrument :

BNA_F

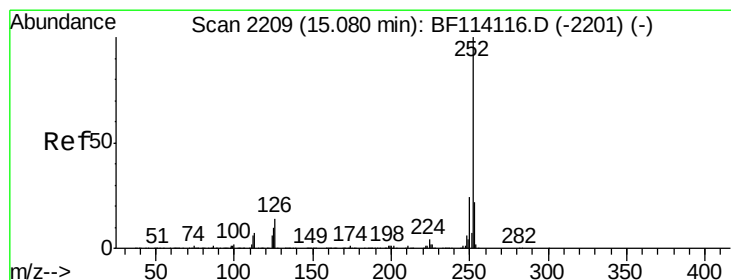
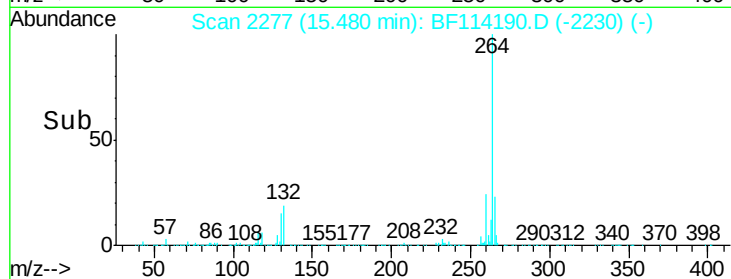
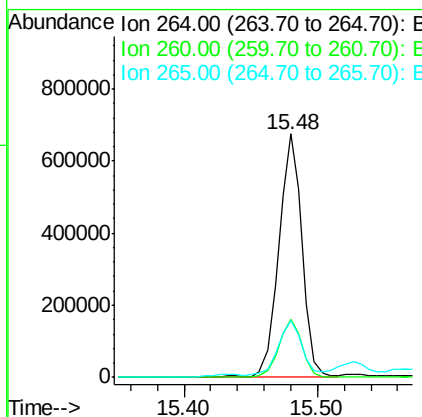
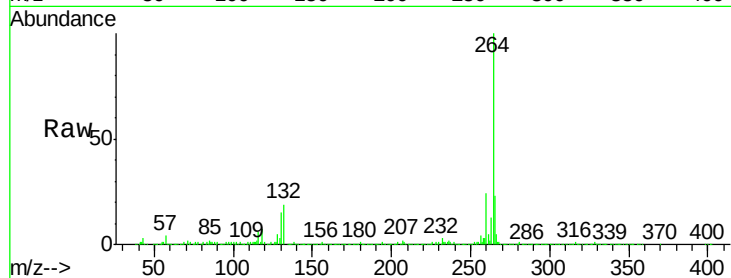
ClientSampleId :

P026-SS007-1218-01

Tot Ion:	264	Resp:	820478
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.4	29.0
265	23.4	16.9	25.3

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 30.544 ng m

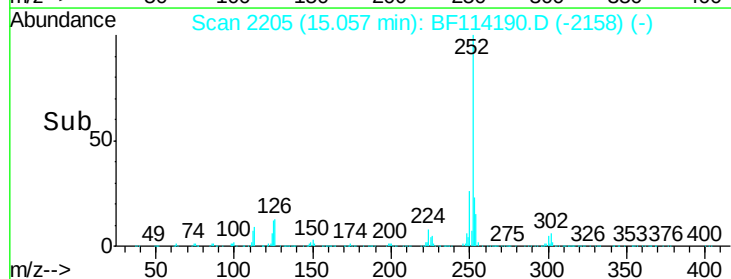
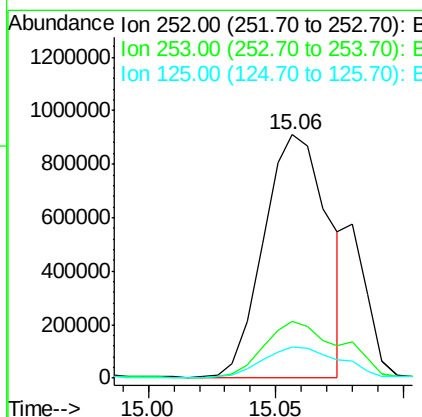
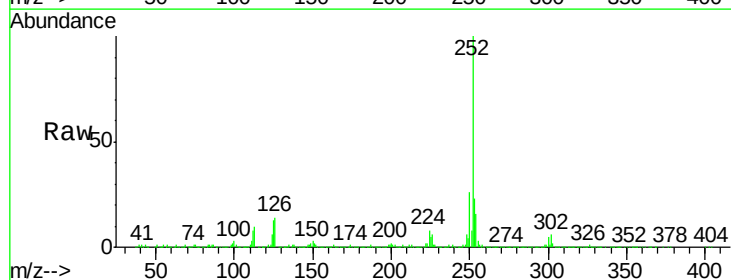
RT: 15.06 min Scan# 2205

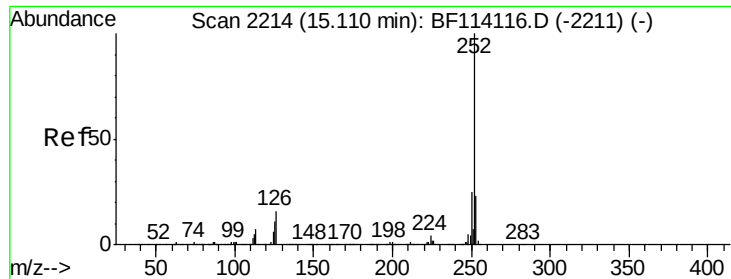
Delta R.T. -0.02 min

Lab File: BF114190.D

Acq: 12 May 2019 14:20

Tgt Ion:	252	Resp:	1605522
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.8	26.8
125	12.6	8.3	12.5#





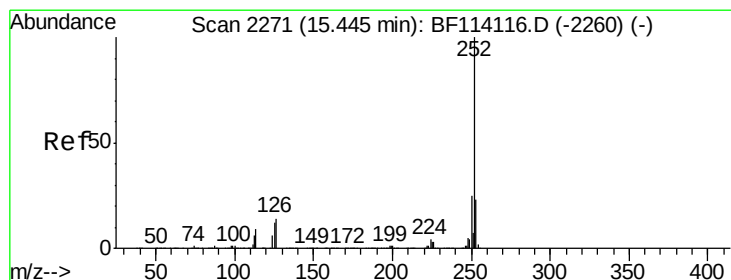
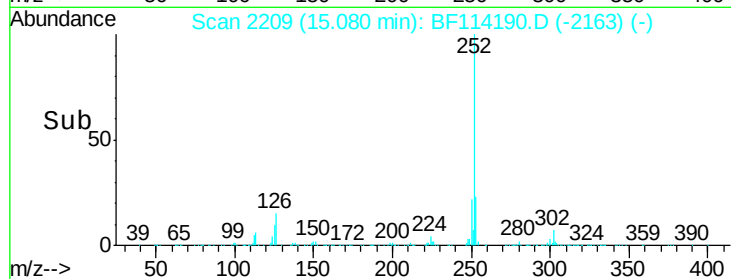
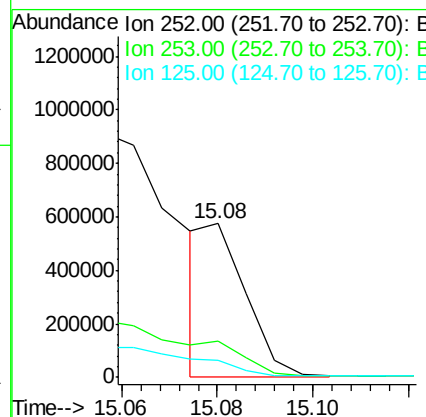
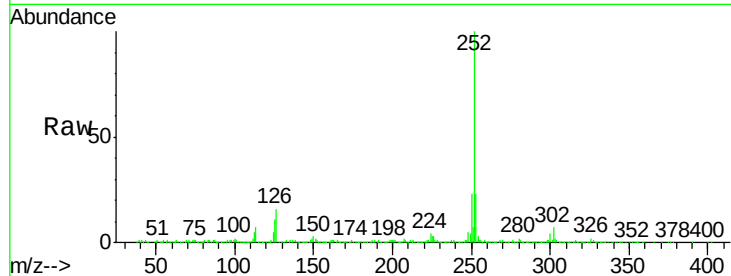
#89
Benzo(k)fluoranthene
Concen: 7.111 ng/mL
RT: 15.08 min Scan# 2209
Delta R.T. -0.03 min
Lab File: BF114190.D
Acq: 12 May 2019 14:20

Instrument :
BNA_F
ClientSampleId :
P026-SS007-1218-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	10.9	8.6	13.0

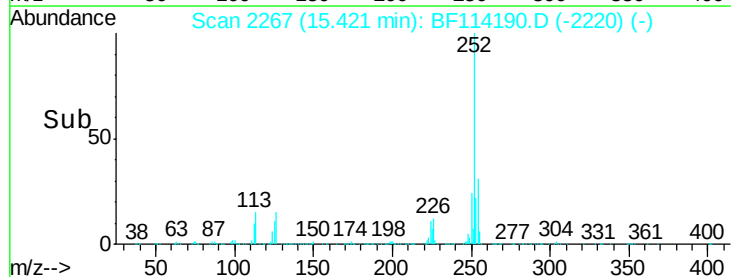
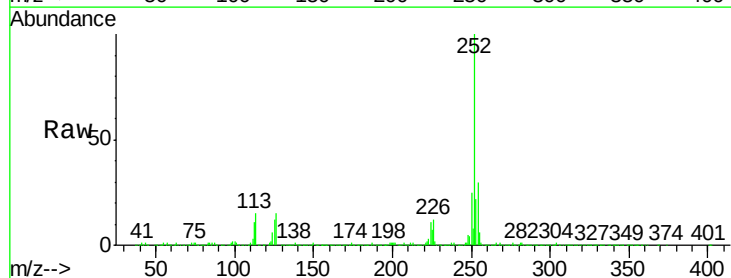
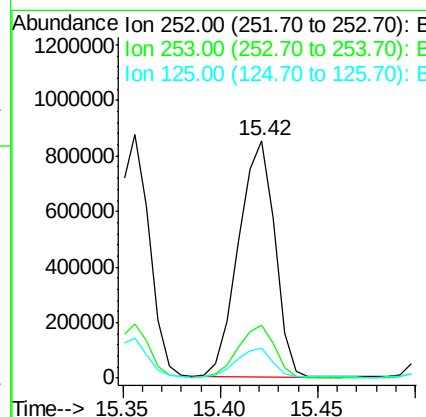
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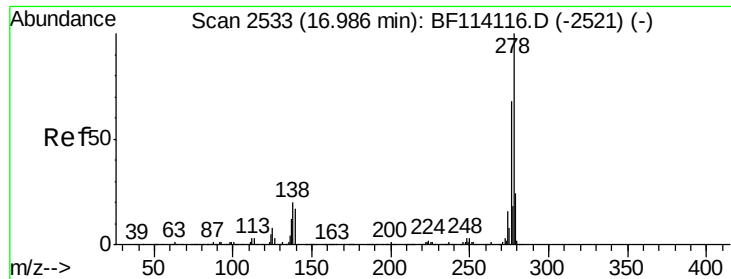
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#90
Benzo(a)pyrene
Concen: 23.750 ng/mL
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF114190.D
Acq: 12 May 2019 14:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	12.3	9.5	14.3





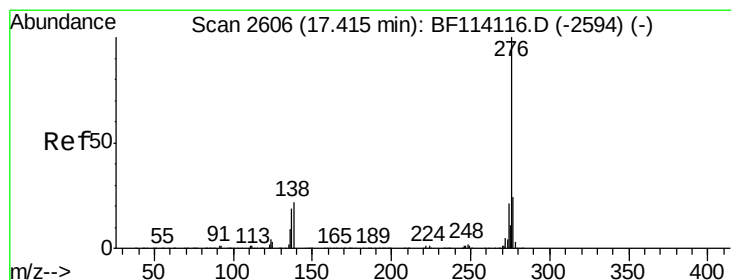
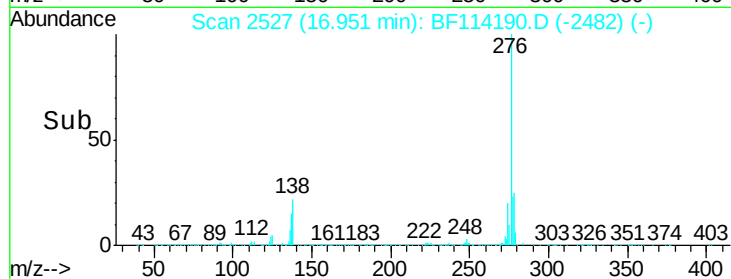
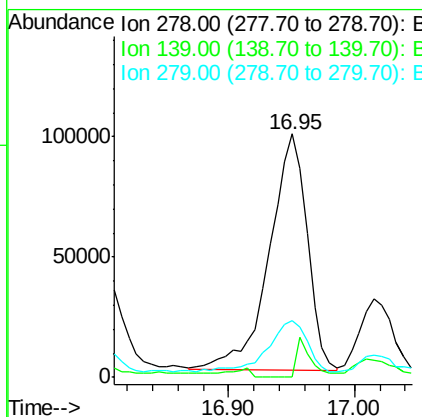
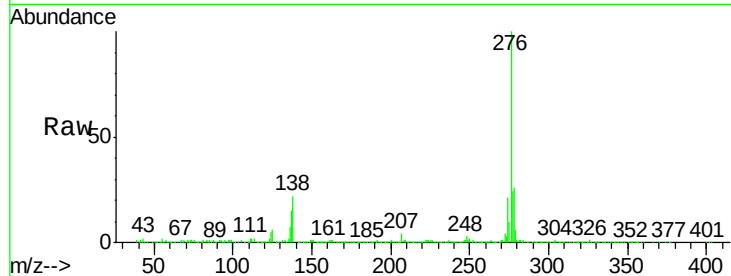
#91
Dibenzo(a,h)anthracene
Concen: 5.307 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.04 min
Lab File: BF114190.D
Acq: 12 May 2019 14:20

Instrument :
BNA_F
ClientSampleId :
P026-SS007-1218-01

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	23.3	19.0	28.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 21.868 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.02 min
Lab File: BF114190.D
Acq: 12 May 2019 14:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.0	28.4
138	23.8	17.8	26.6

