

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
 Data File : BF114202.D
 Acq On : 12 May 2019 19:32
 Operator : JU/SJ
 Sample : K2768-17
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS016-0002-01

Manual Integrations
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Quant Time: May 13 09:32:26 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	254038	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	942415	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	430968	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	799836	20.00	ng	0.00
76) Chrysene-d12	14.02	240	517160	20.00	ng	0.00
87) Perylene-d12	15.49	264	592470	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1607028	101.80	ng	0.00
7) Phenol-d6	6.50	99	2144464	114.86	ng	0.00
23) Nitrobenzene-d5	7.42	82	1352896	80.56	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	460383	103.33	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1825270	64.07	ng	0.00
79) Terphenyl-d14	12.95	244	1448391	57.73	ng	0.00
Target Compounds						
49) Acenaphthylene	9.75	152	232389	5.453	ng	97
50) Dimethylphthalate	9.60	163	414144	13.090	ng	100
71) Phenanthrene	11.39	178	514517	13.222	ng	97
72) Anthracene	11.45	178	98778	2.527	ng	96
75) Fluoranthene	12.59	202	983889	23.479	ng	98
78) Pyrene	12.82	202	1670636	40.157	ng	99
81) Benzo(a)anthracene	14.00	228	685891m	20.505	ng	
83) Chrysene	14.04	228	900038	27.448	ng	99
86) Indeno(1,2,3-cd)pyrene	16.96	276	419707	14.483	ng	98
88) Benzo(b)fluoranthene	15.06	252	925684m	24.388	ng	
89) Benzo(k)fluoranthene	15.07	252	332812m	9.545	ng	
90) Benzo(a)pyrene	15.43	252	721467	21.597	ng	99
91) Dibenzo(a,h)anthracene	16.96	278	113424m	4.086	ng	
92) Benzo(g,h,i)perylene	17.40	276	466830	16.782	ng	99

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

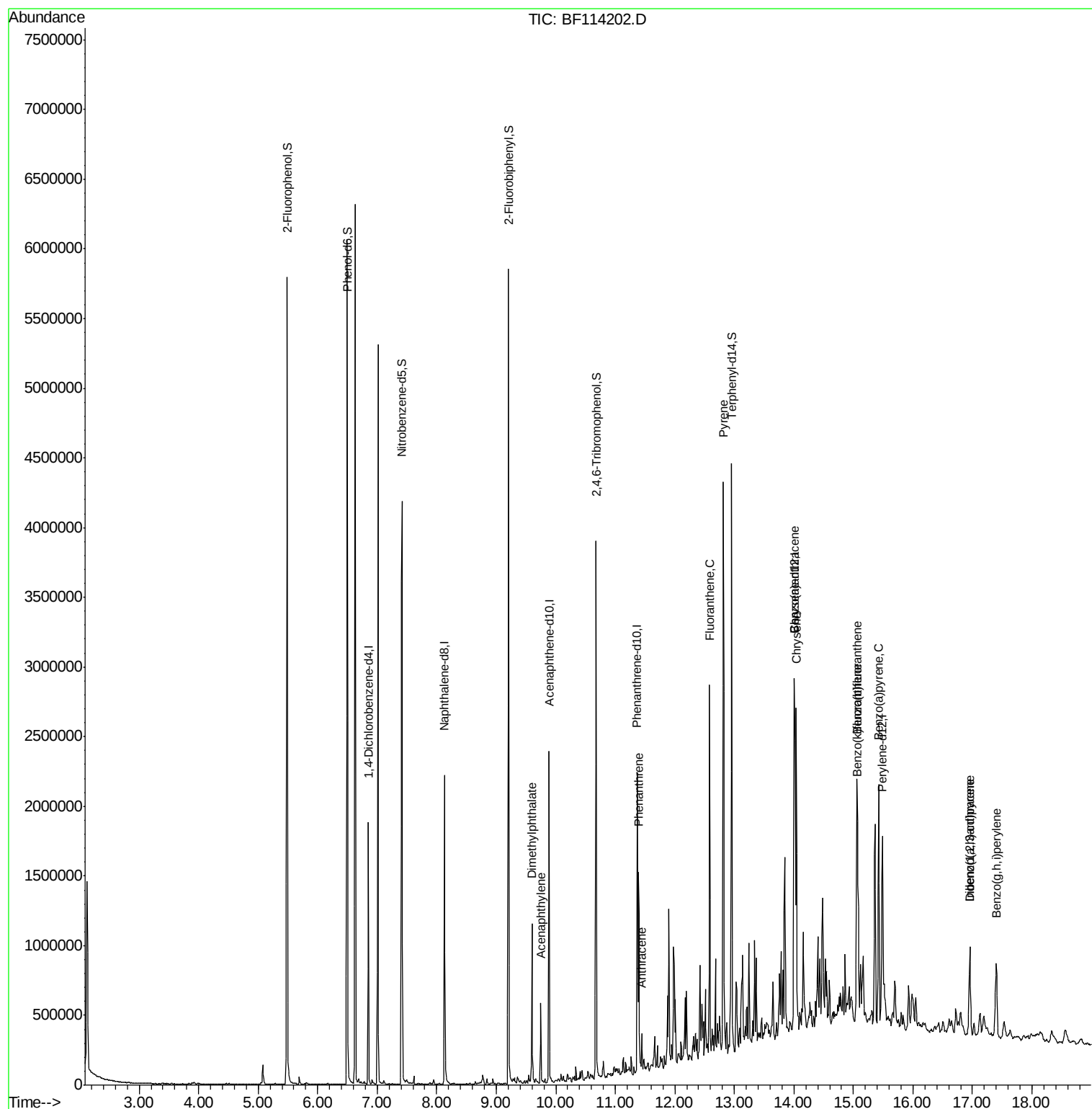
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
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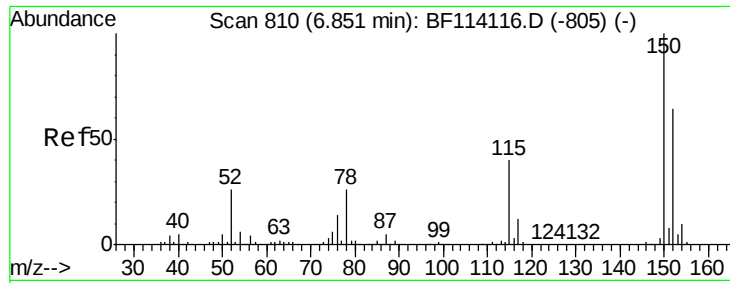
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Quant Time: May 13 09:32:26 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

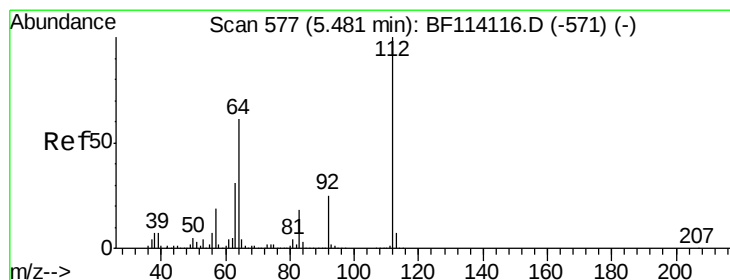
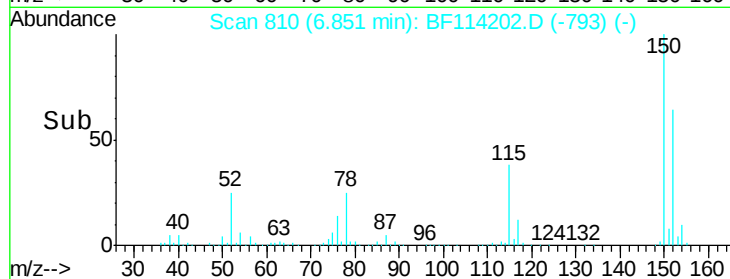
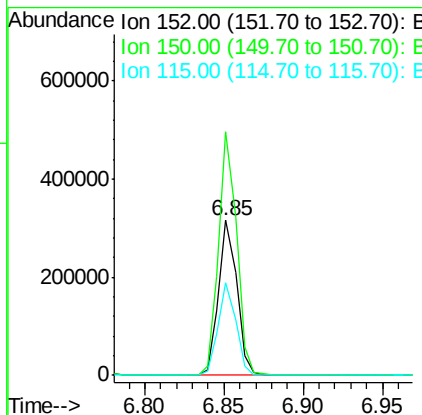
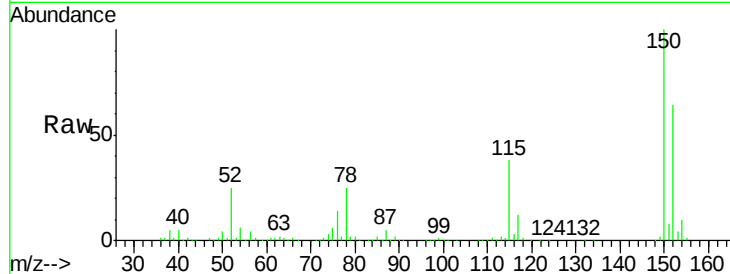
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF114202.D
Acq: 12 May 2019 19:32

Instrument :
BNA_F
ClientSampleId :
P026-SS016-0002-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.3	186.5
115	59.7	49.1	73.7

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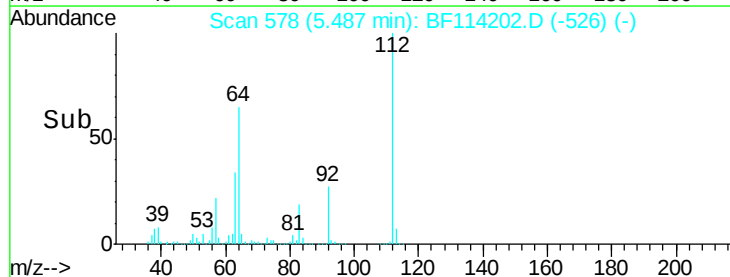
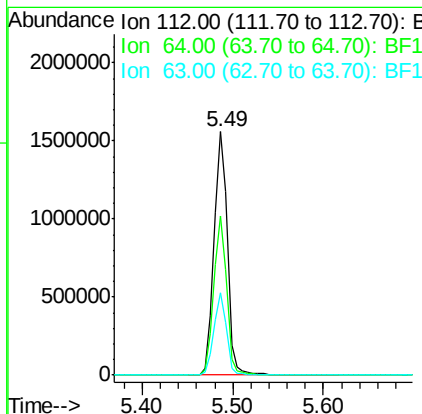
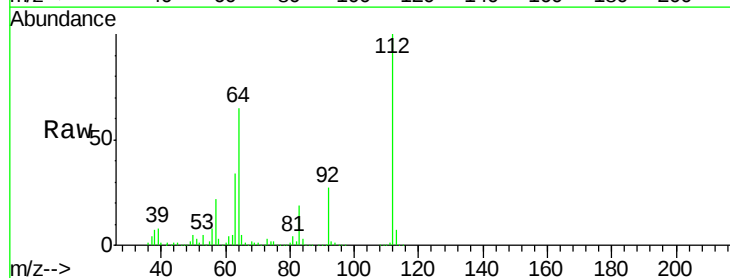
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#5

2-Fluorophenol
Concen: 101.801 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF114202.D
Acq: 12 May 2019 19:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	49.0	73.6
63	33.7	24.6	37.0





#7

Phenol-d6

Concen: 114.858 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF114202.D

Acq: 12 May 2019 19:32

Instrument :

BNA_F

ClientSampleId :

P026-SS016-0002-01

Tot Ion: 99 Resp: 2144464

Ion Ratio Lower Upper

99 100

42 22.2 17.9 26.9

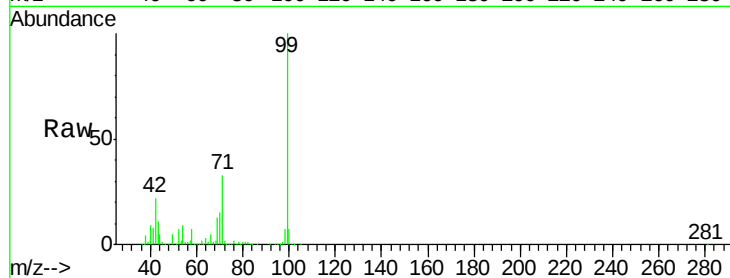
71 32.8 26.2 39.2

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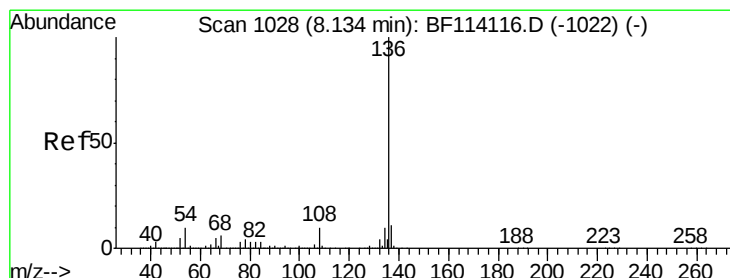
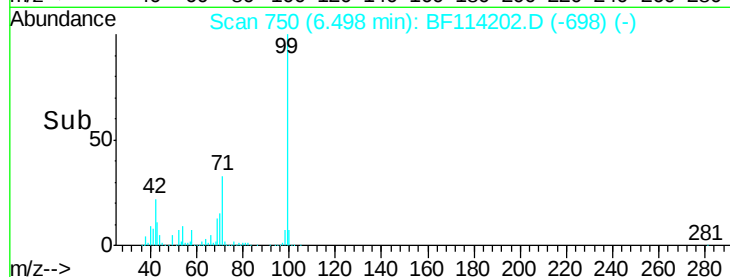
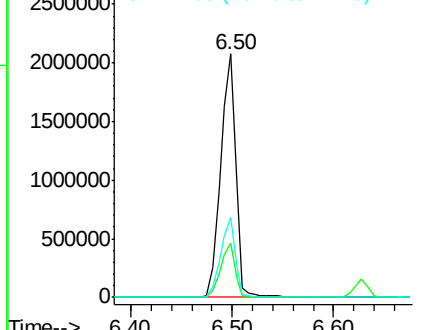
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: BF114202.D

Acq: 12 May 2019 19:32

Tgt Ion: 136 Resp: 942415

Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 9.3 7.8 11.8

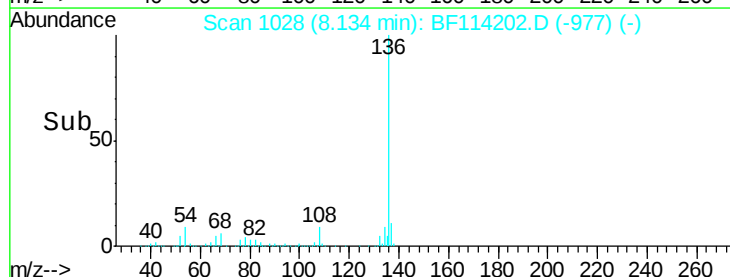
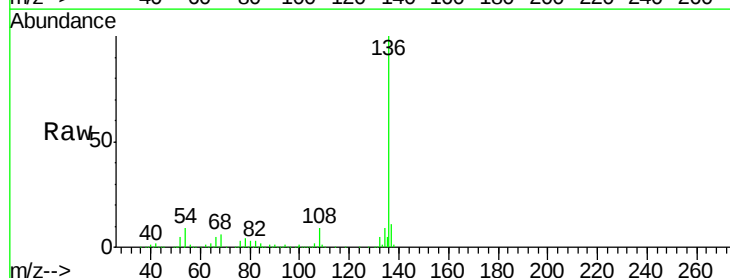
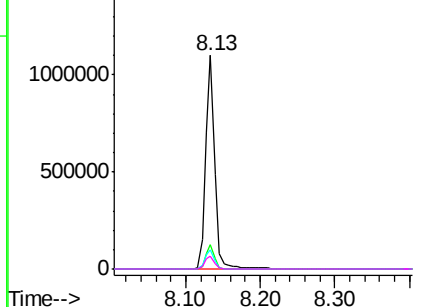
68 6.3 5.1 7.7

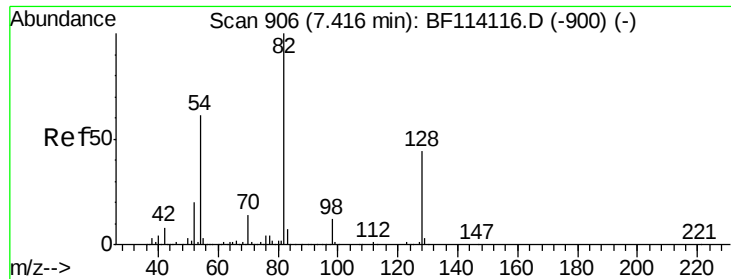
Abundance Ion 136.00 (135.70 to 136.70): E

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





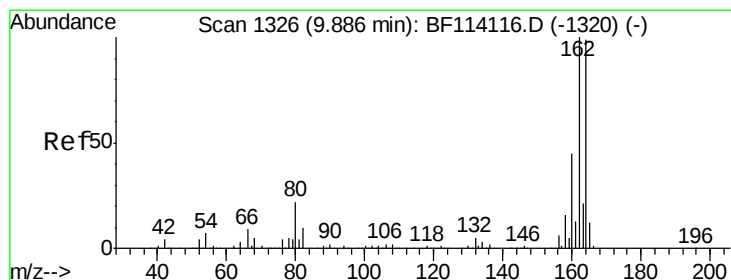
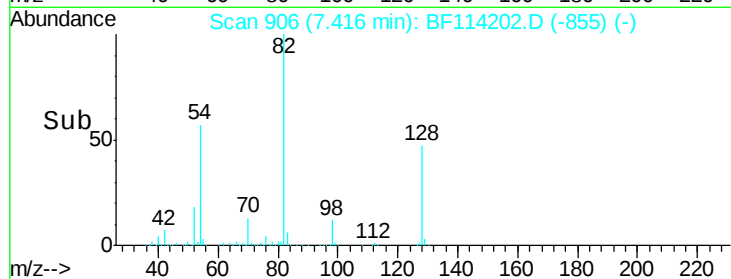
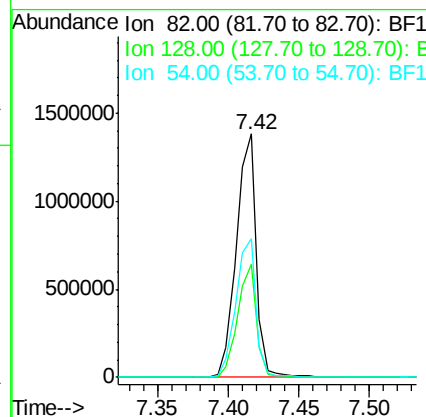
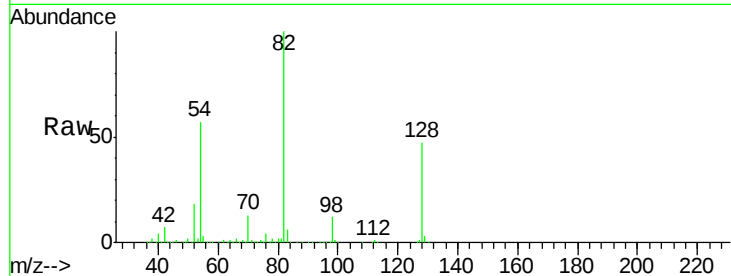
#23
 Nitrobenzene-d5
 Concen: 80.564 ng
 RT: 7.42 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BF114202.D
 Acq: 12 May 2019 19:32

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS016-0002-01

Tot Ion	82	Resp	1352896
Ion Ratio	100	Lower	Upper
82	100		
128	46.7	35.5	53.3
54	57.2	48.5	72.7

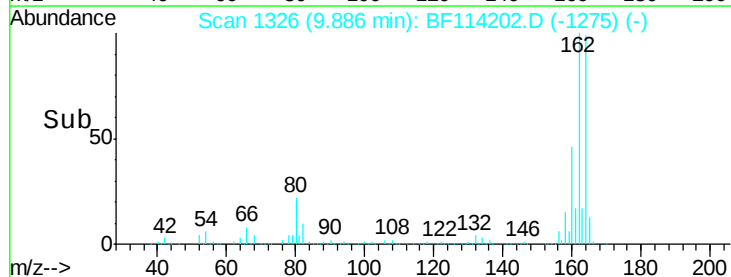
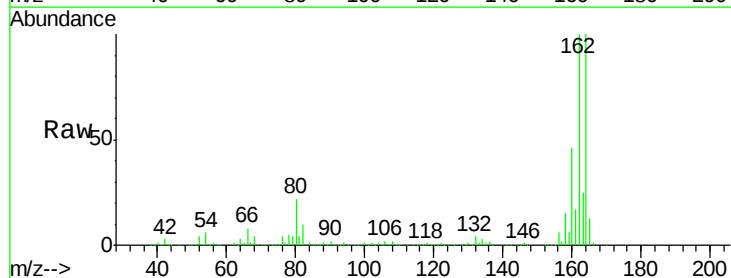
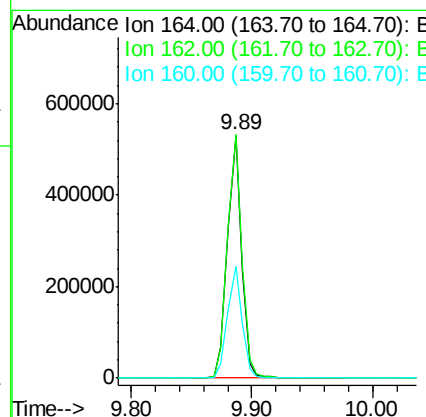
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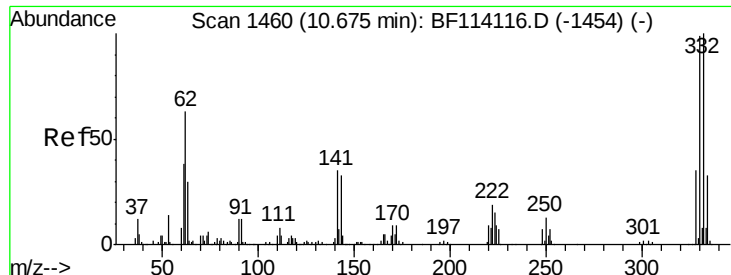
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: BF114202.D
 Acq: 12 May 2019 19:32

Tgt Ion	164	Resp	430968
Ion Ratio	100	Lower	Upper
164	100		
162	100.3	80.6	120.8
160	45.9	36.5	54.7





#42

2,4,6-Tribromophenol

Concen: 103.329 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF114202.D

Acq: 12 May 2019 19:32

Instrument :

BNA_F

ClientSampleId :

P026-SS016-0002-01

Tot Ion:330 Resp: 460383

Ion Ratio Lower Upper

330 100

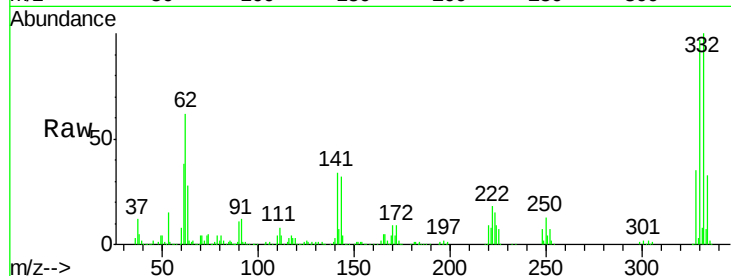
332 103.7 81.4 122.2

141 32.3 26.6 40.0

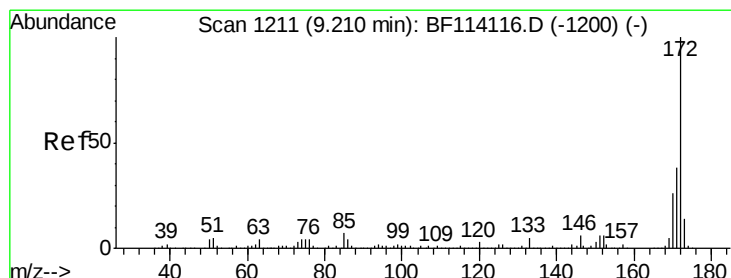
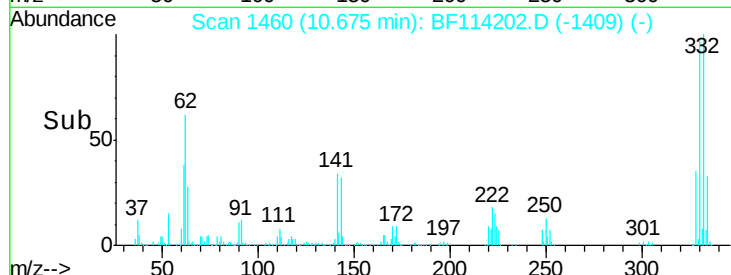
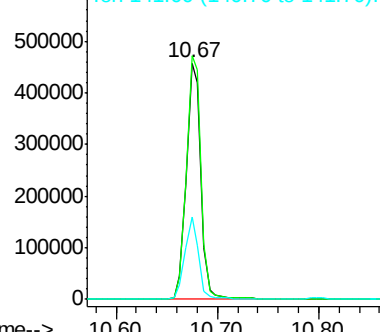
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 64.066 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF114202.D

Acq: 12 May 2019 19:32

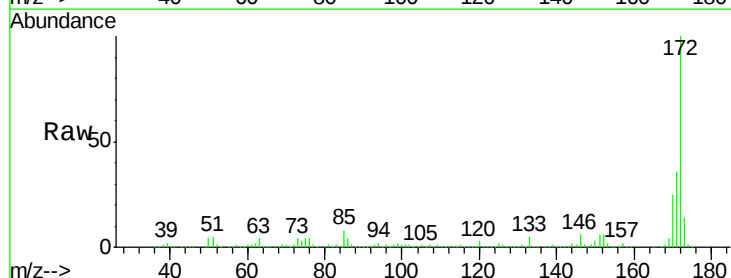
Tgt Ion:172 Resp: 1825270

Ion Ratio Lower Upper

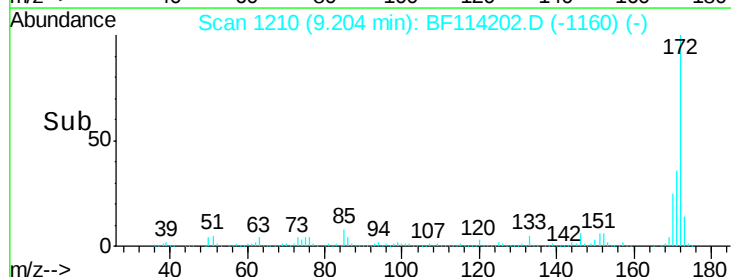
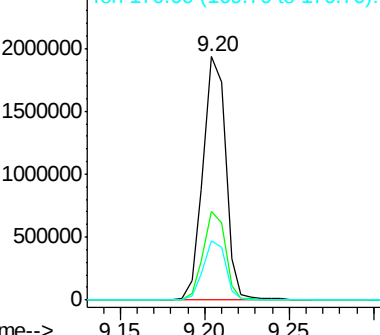
172 100

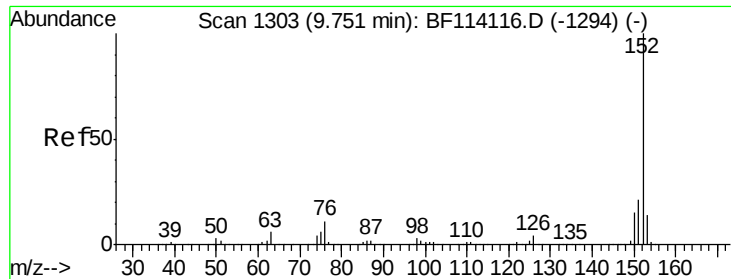
171 36.2 30.7 46.1

170 24.6 20.5 30.7



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





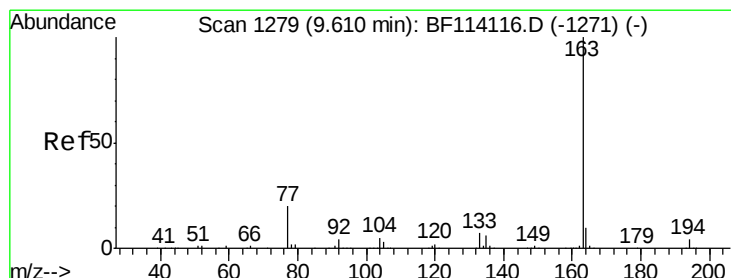
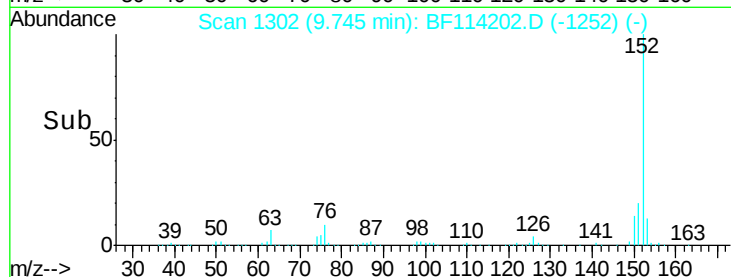
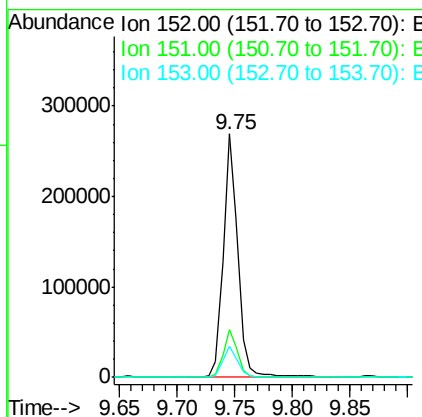
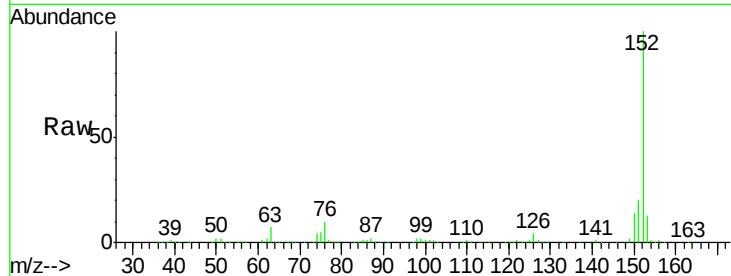
#49
Acenaphthylene
Concen: 5.453 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF114202.D
Acq: 12 May 2019 19:32

Instrument :
BNA_F
ClientSampleId :
P026-SS016-0002-01

Tot Ion	Ratio	Resp	Lower	Upper
152	100	232389		
151	19.6		16.8	25.2
153	12.9		11.4	17.2

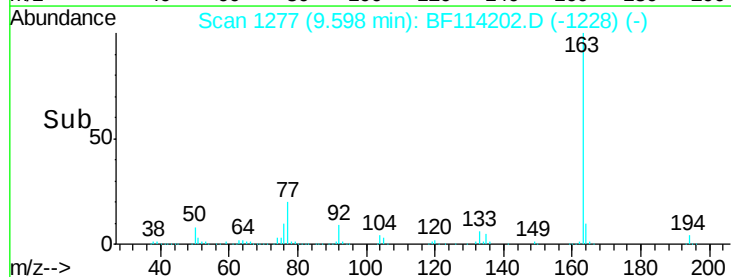
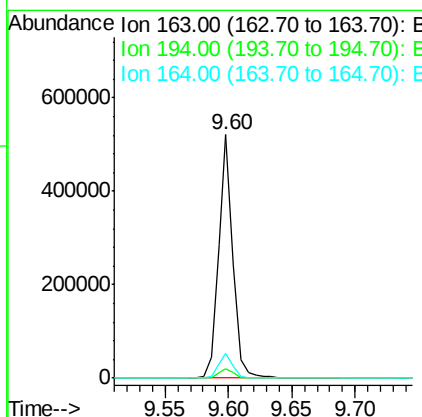
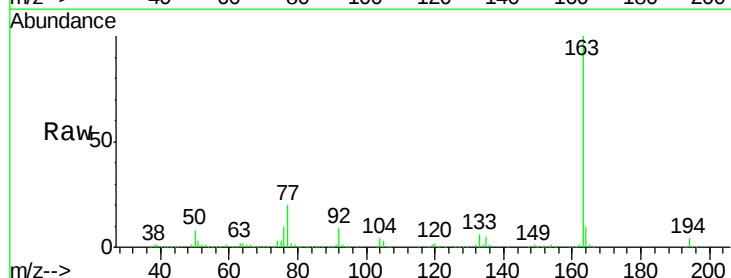
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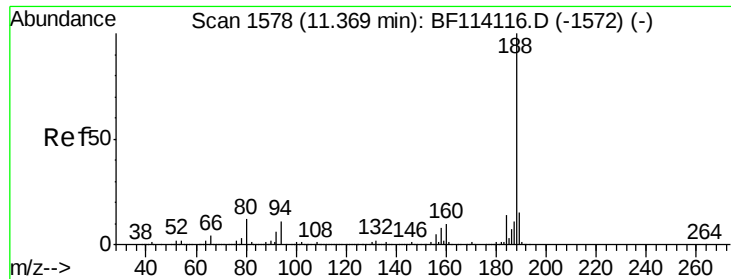
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#50
Dimethylphthalate
Concen: 13.090 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF114202.D
Acq: 12 May 2019 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	414144		
194	3.9		3.4	5.0
164	10.2		8.2	12.2





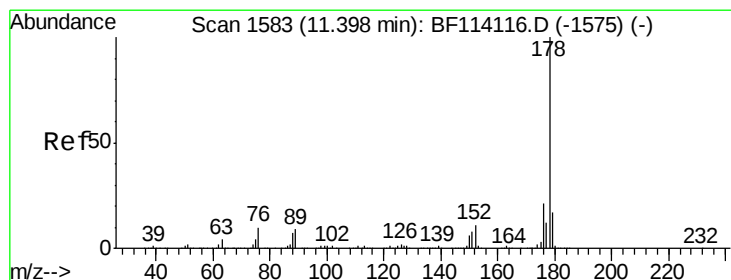
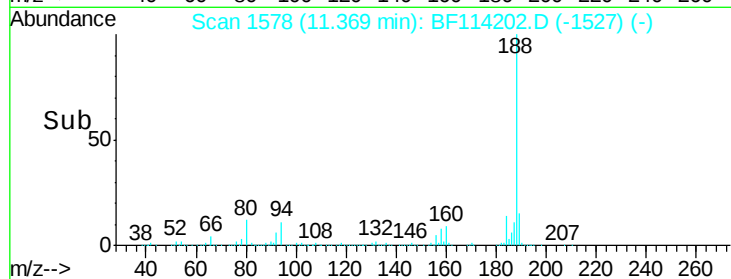
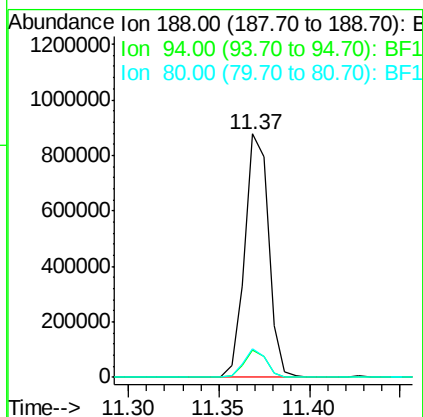
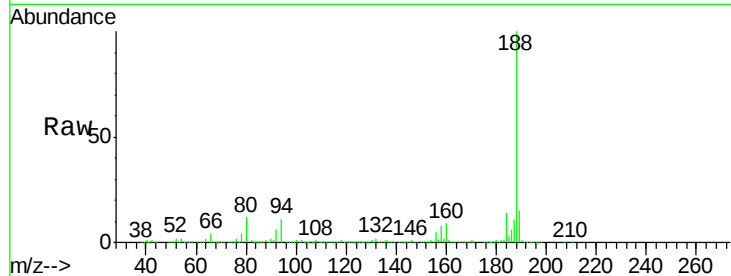
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.00 min
Lab File: BF114202.D
Acq: 12 May 2019 19:32

Instrument :
BNA_F
ClientSampleId :
P026-SS016-0002-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
188	100		799836		
94	11.2	8.4	12.6		
80	11.9	9.2	13.8		

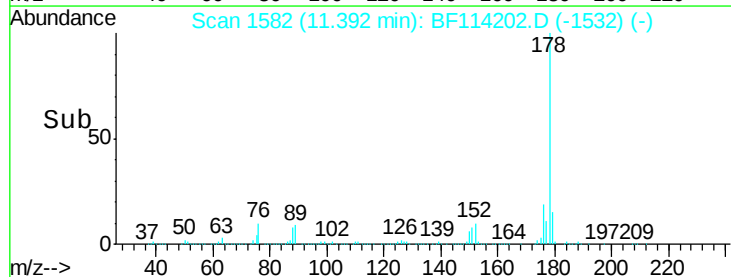
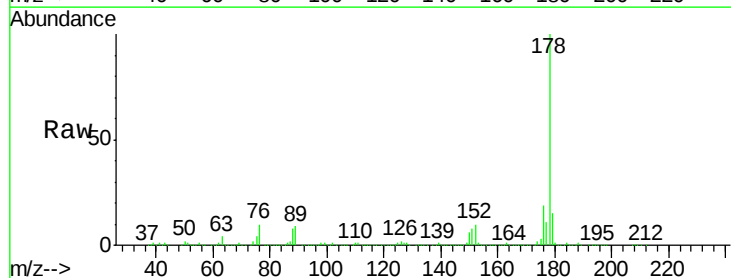
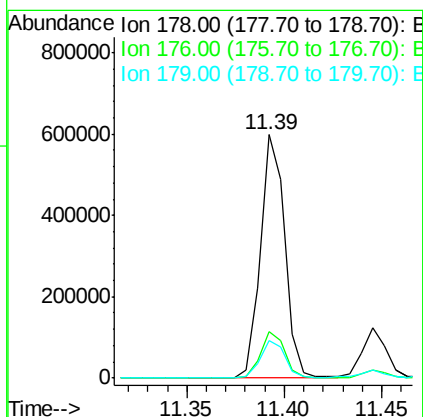
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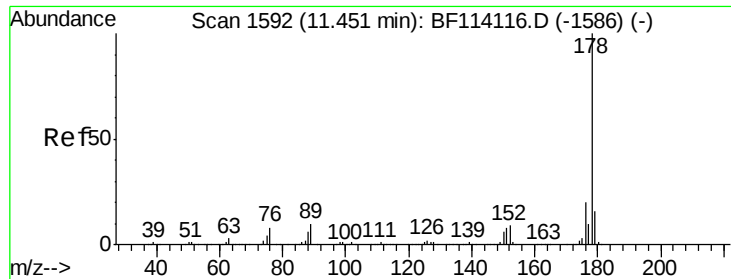
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#71
Phenanthrene
Concen: 13.222 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF114202.D
Acq: 12 May 2019 19:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		514517		
176	18.9	16.4	24.6		
179	15.5	13.2	19.8		





#72

Anthracene

Concen: 2.527 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF114202.D

Acq: 12 May 2019 19:32

Instrument :

BNA_F

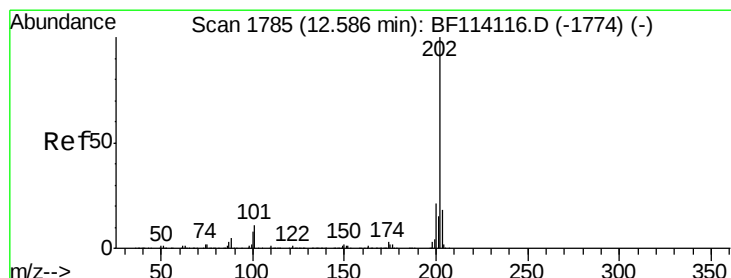
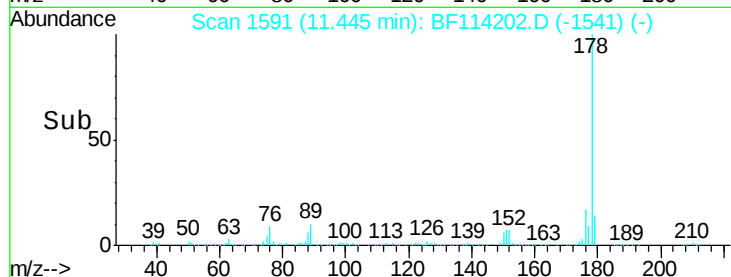
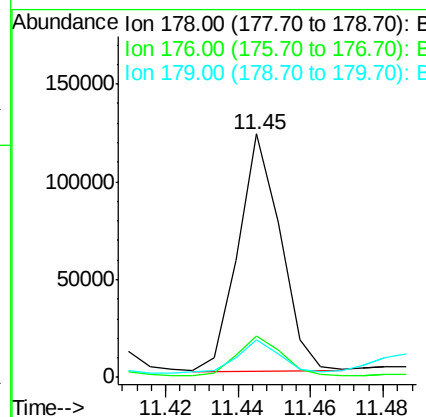
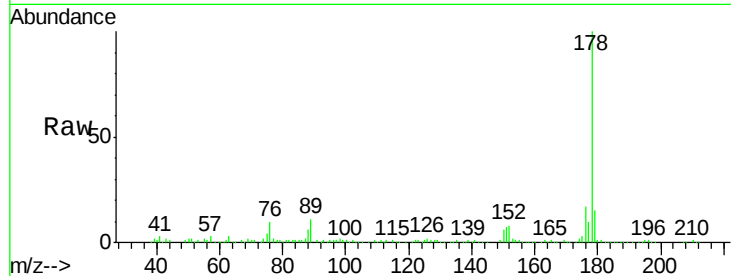
ClientSampleId :

P026-SS016-0002-01

Tot Ion:178	Resp:	98778
Ion Ratio	Lower	Upper
178 100		
176 17.1	15.8	23.8
179 15.3	13.0	19.4

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#75

Fluoranthene

Concen: 23.479 ng

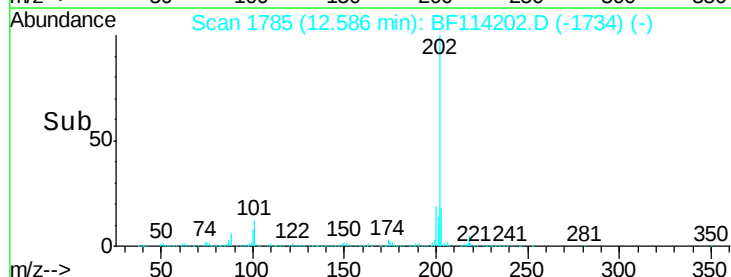
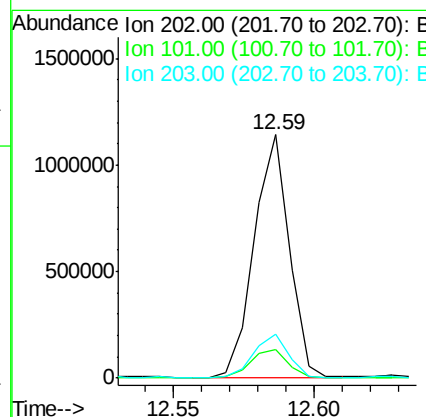
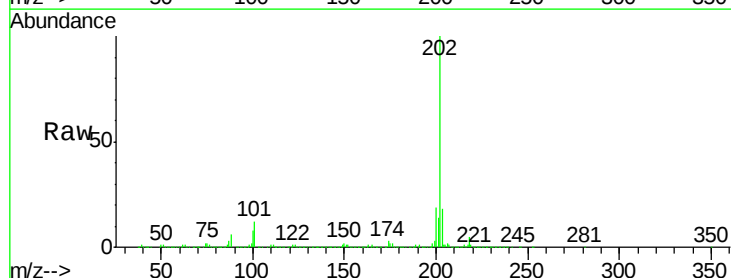
RT: 12.59 min Scan# 1785

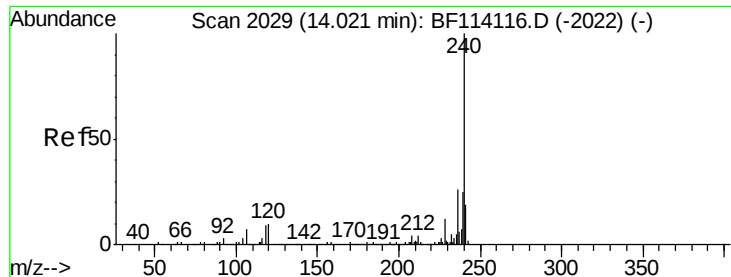
Delta R.T. 0.00 min

Lab File: BF114202.D

Acq: 12 May 2019 19:32

Tgt Ion:202	Resp:	983889
Ion Ratio	Lower	Upper
202 100		
101 11.8	0.0	31.0
203 17.8	0.0	38.4





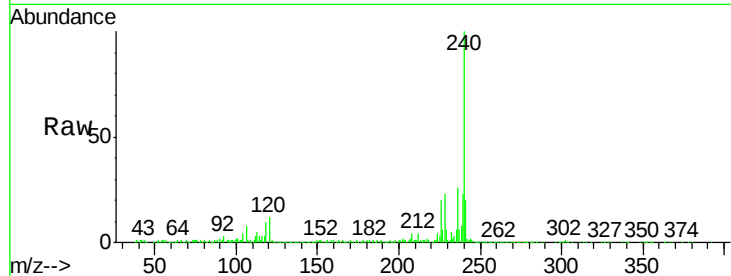
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF114202.D
Acq: 12 May 2019 19:32

Instrument :
BNA_F
ClientSampleId :
P026-SS016-0002-01

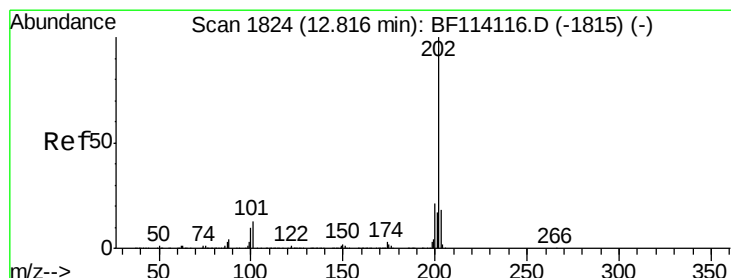
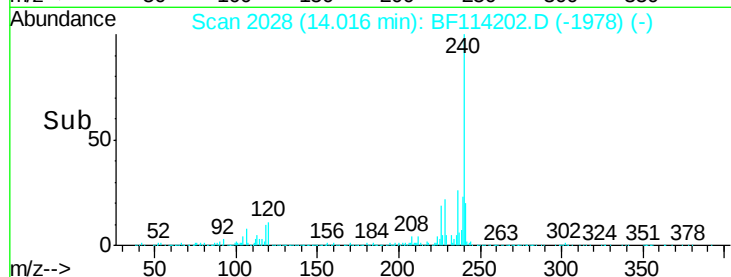
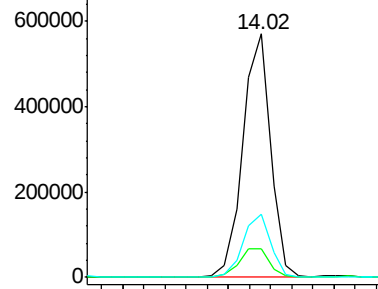
Tot Ion	Ratio	Resp	Lower	Upper
240	100	517160		
120	11.6	8.3	12.5	
236	26.0	20.8	31.2	

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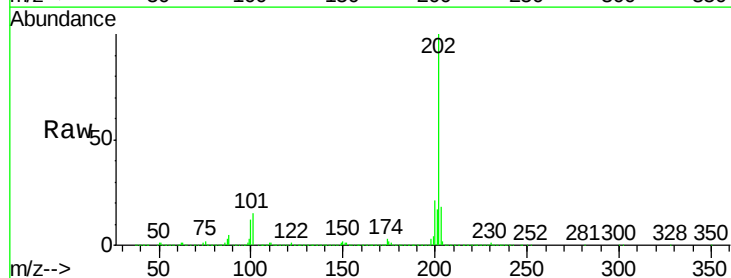


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

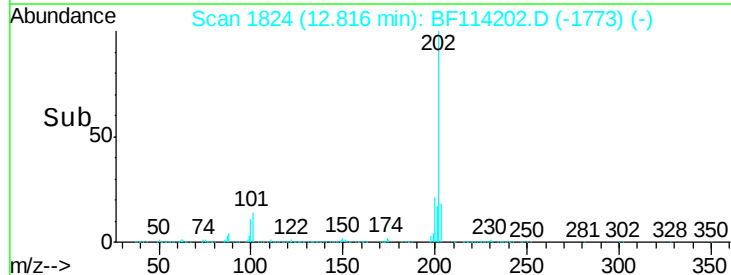
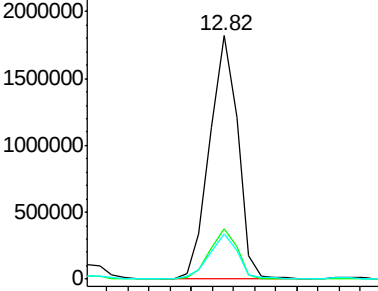


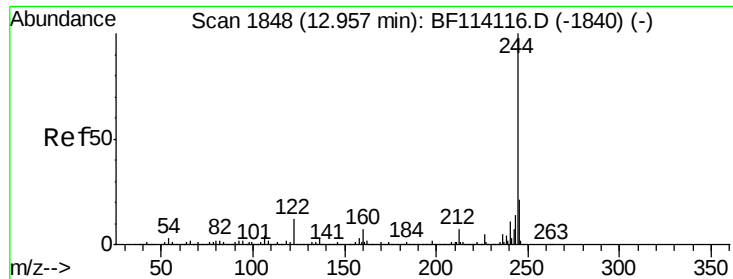
#78
Pyrene
Concen: 40.157 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.00 min
Lab File: BF114202.D
Acq: 12 May 2019 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1670636		
200	20.6	16.9	25.3	
203	18.4	14.5	21.7	



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





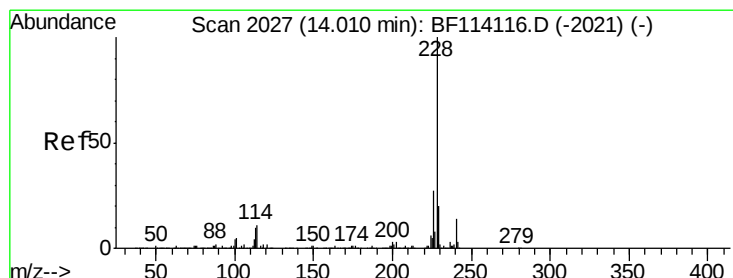
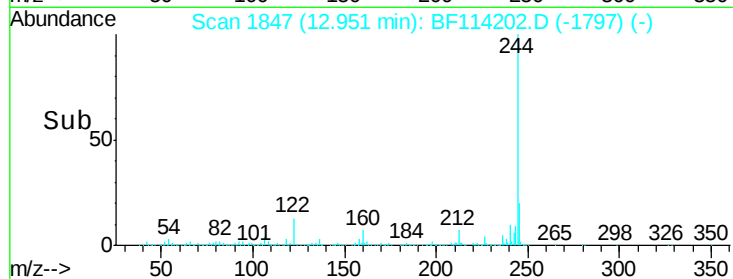
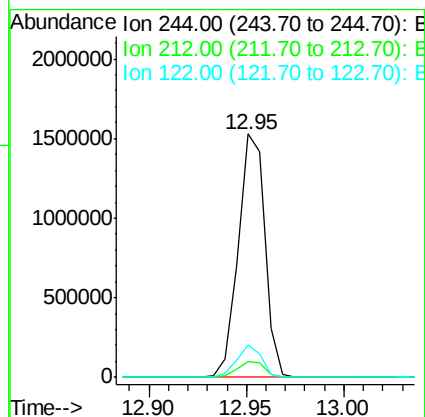
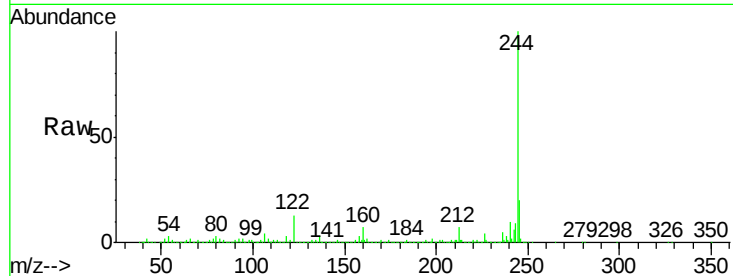
#79
 Terphenyl-d14
 Concen: 57.734 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF114202.D
 Acq: 12 May 2019 19:32

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS016-0002-01

Tot Ion	Ion	Ratio	Lower	Upper
244	100			
212	6.6	5.8	8.6	
122	13.4	9.4	14.2	

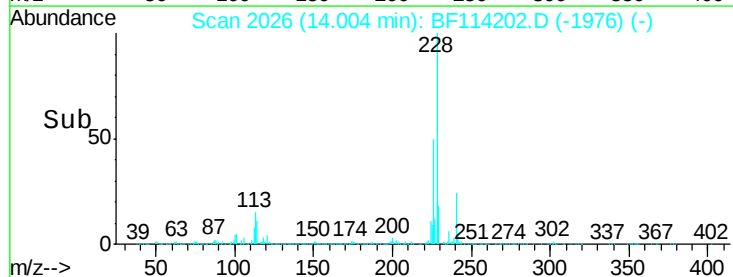
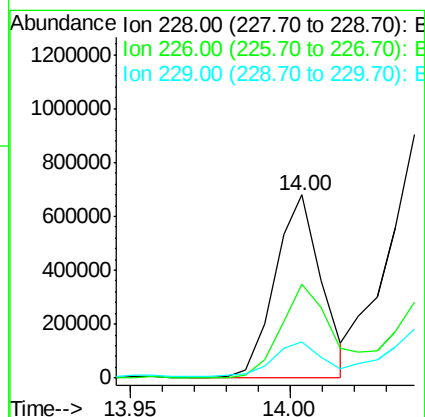
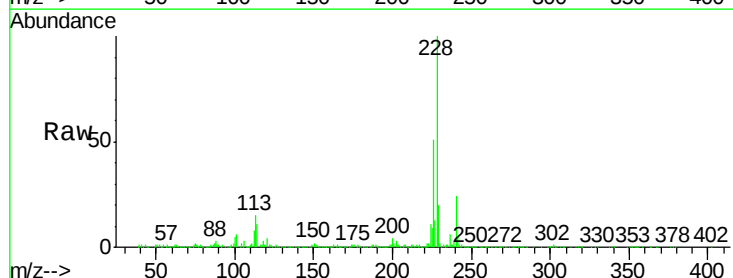
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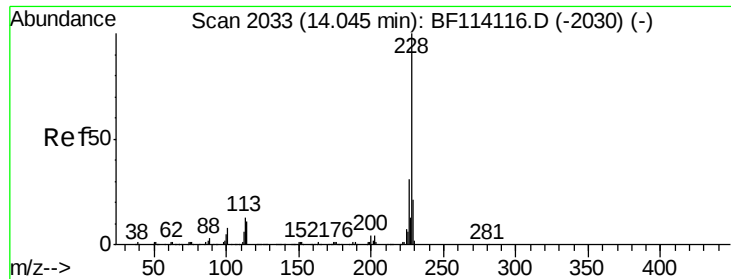
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#81
 Benzo(a)anthracene
 Concen: 20.505 ng m
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF114202.D
 Acq: 12 May 2019 19:32

Tgt Ion	Ion	Ratio	Lower	Upper
228	100			
226	50.9	22.2	33.2	
229	19.9	16.4	24.6	





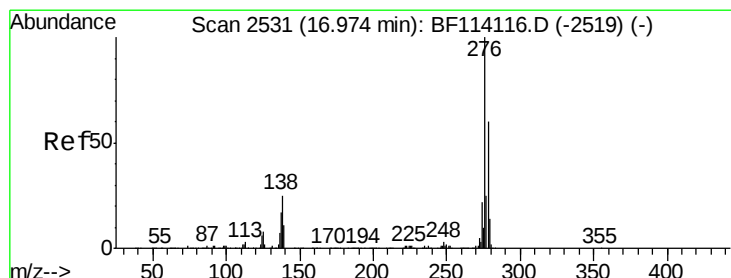
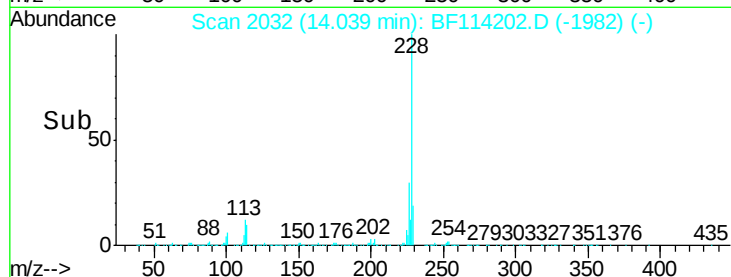
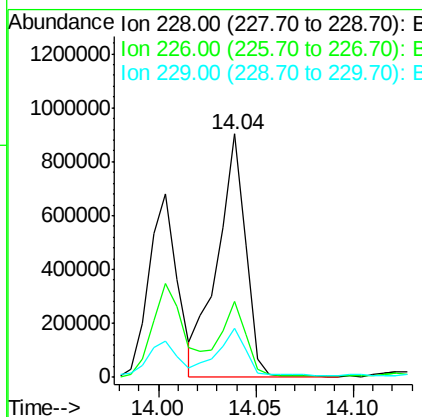
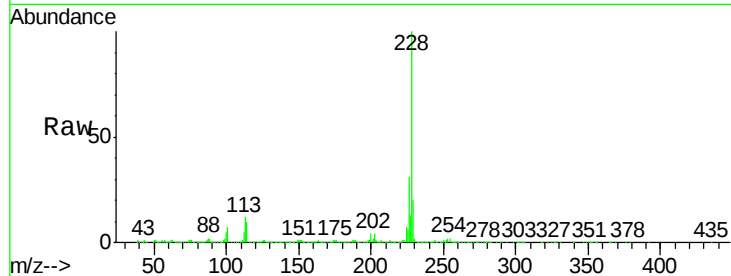
#83
Chrysene
Concen: 27.448 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF114202.D
Acq: 12 May 2019 19:32

Instrument :
BNA_F
ClientSampleId :
P026-SS016-0002-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	20.0	17.0	25.6

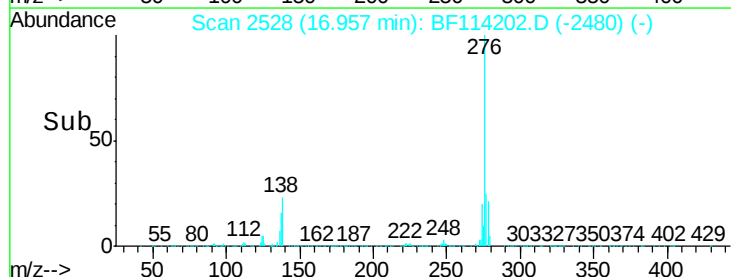
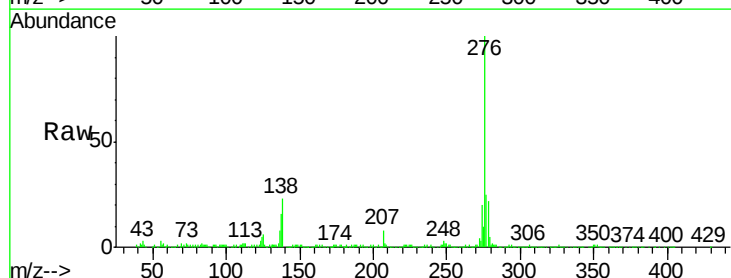
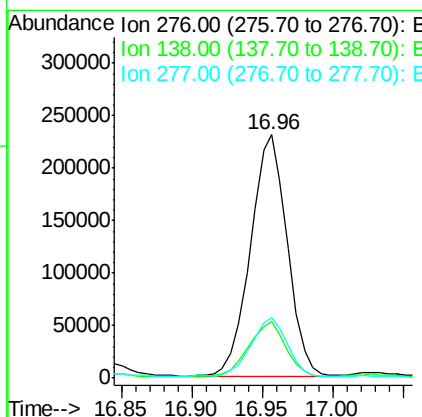
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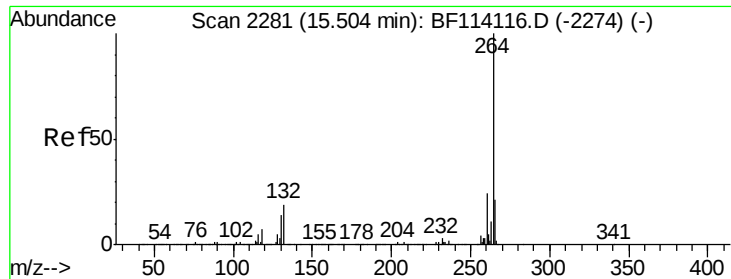
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#86
Indeno(1,2,3-cd)pyrene
Concen: 14.483 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BF114202.D
Acq: 12 May 2019 19:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.3	20.2	30.2
277	24.7	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. -0.02 min

Lab File: BF114202.D

Acq: 12 May 2019 19:32

Instrument :

BNA_F

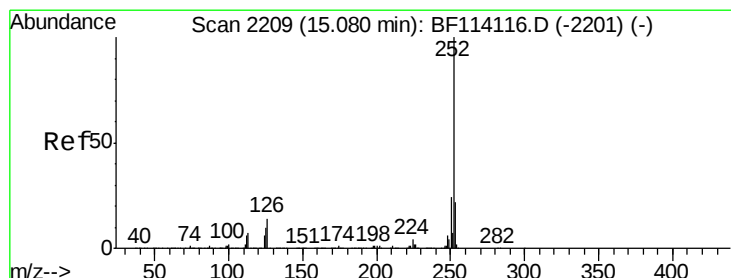
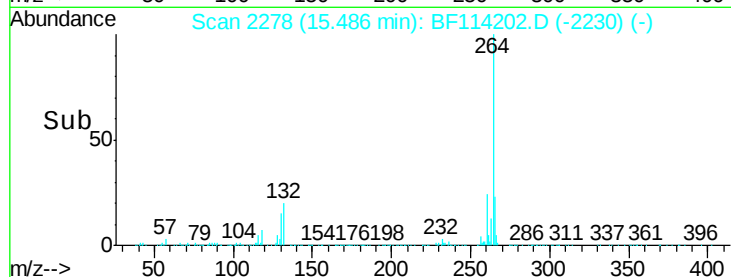
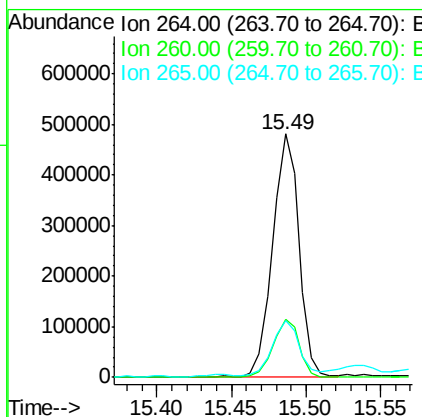
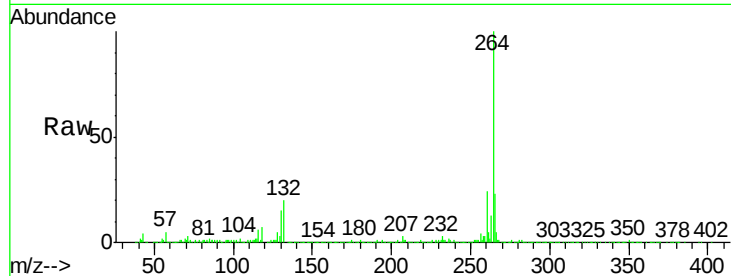
ClientSampleId :

P026-SS016-0002-01

Tot Ion:	264	Resp:	592470
Ion Ratio		Lower	Upper
264	100		
260	24.1	19.4	29.0
265	23.2	16.9	25.3

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#88

Benzo(b)fluoranthene

Concen: 24.388 ng m

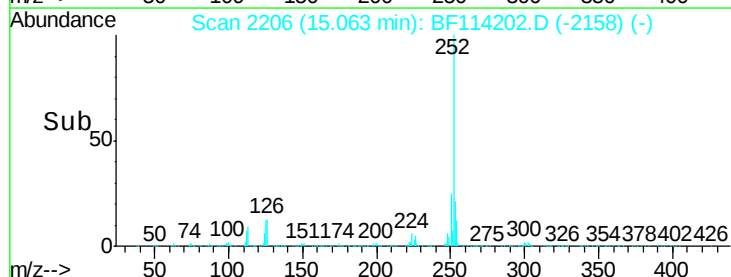
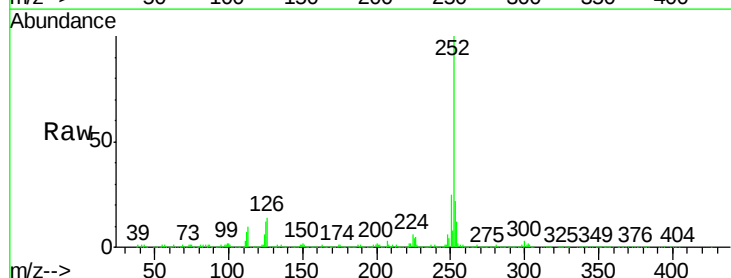
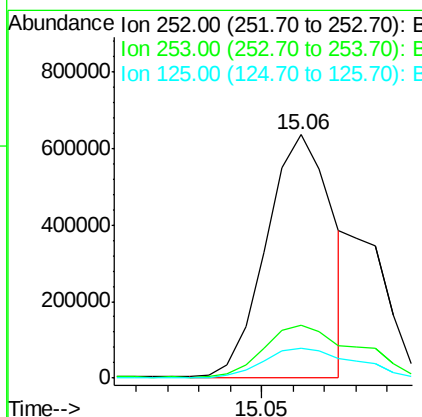
RT: 15.06 min Scan# 2206

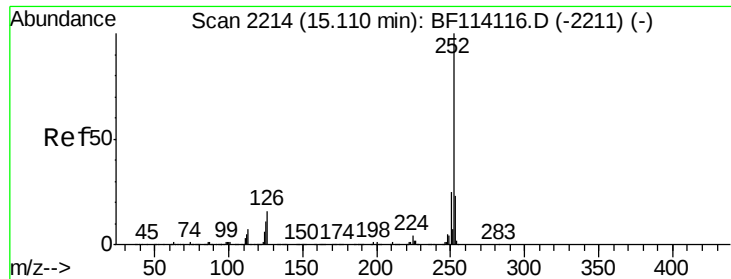
Delta R.T. -0.02 min

Lab File: BF114202.D

Acq: 12 May 2019 19:32

Tgt Ion:	252	Resp:	925684
Ion Ratio		Lower	Upper
252	100		
253	21.8	17.8	26.8
125	12.0	8.3	12.5





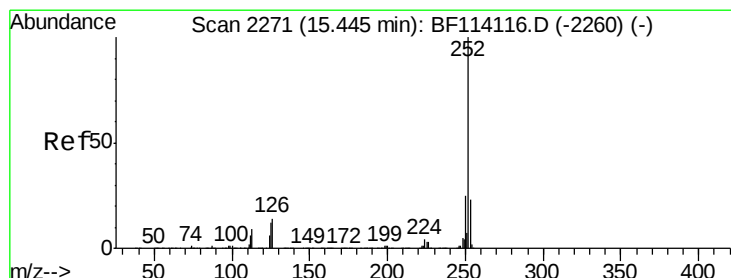
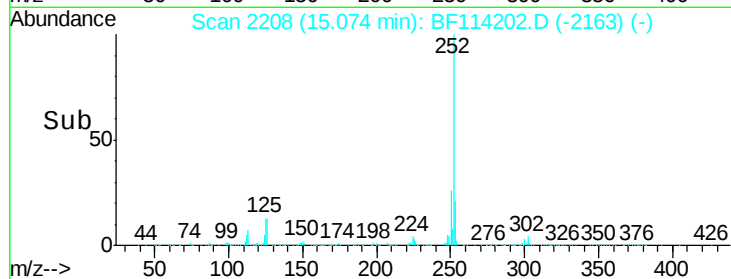
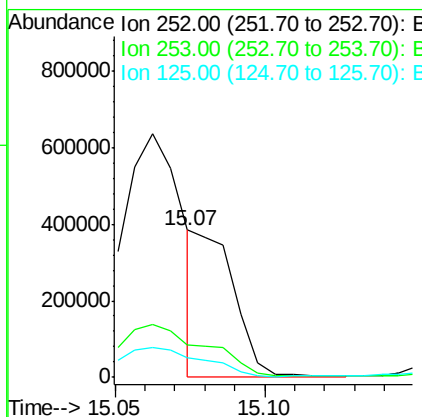
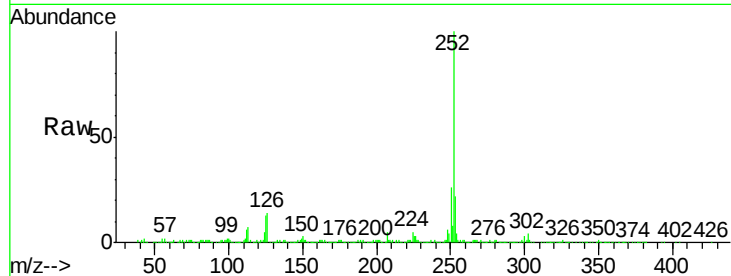
#89
Benzo(k)fluoranthene
Concen: 9.545 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF114202.D
Acq: 12 May 2019 19:32

Instrument :
BNA_F
ClientSampleId :
P026-SS016-0002-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	13.3	8.6	13.0

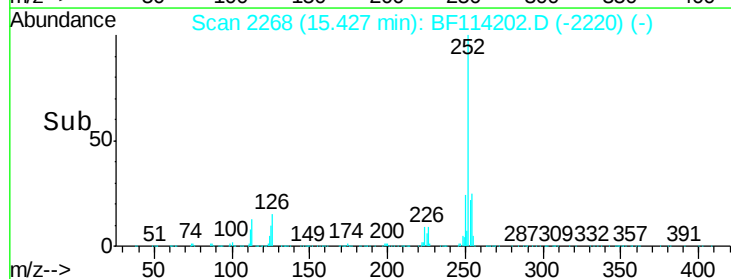
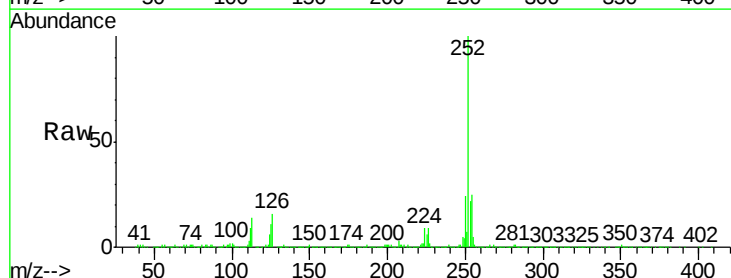
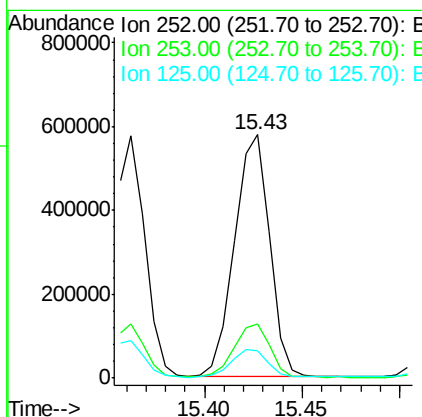
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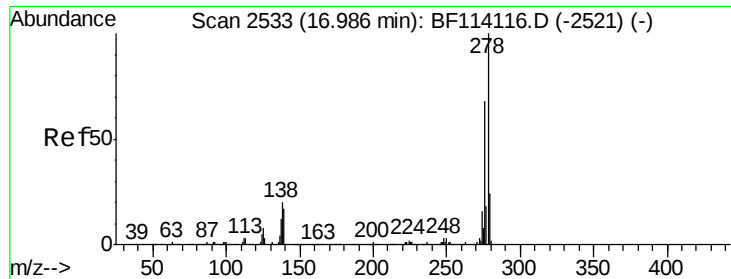
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#90
Benzo(a)pyrene
Concen: 21.597 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF114202.D
Acq: 12 May 2019 19:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	11.4	9.5	14.3





#91

Dibenzo(a,h)anthracene

Concen: 4.086 ng/mL

RT: 16.96 min Scan# 2528

Delta R.T. -0.03 min

Lab File: BF114202.D

Acq: 12 May 2019 19:32

Instrument :

BNA_F

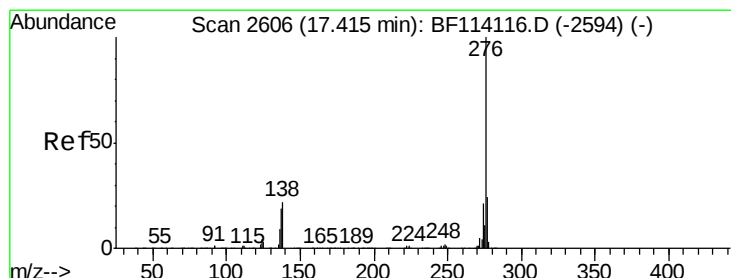
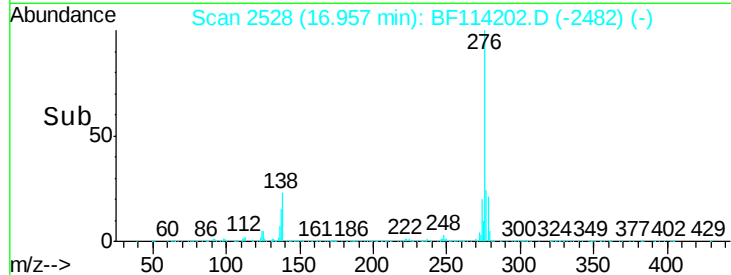
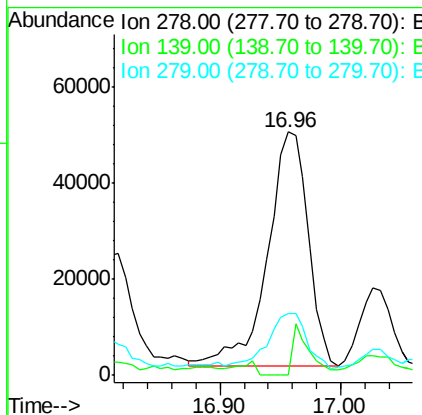
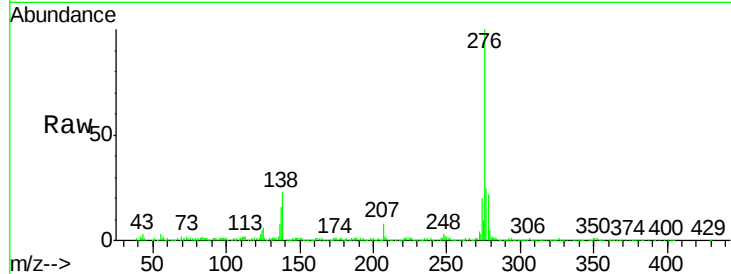
ClientSampleId :

P026-SS016-0002-01

Tot Ion:	278	Resp:	113424
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.5	20.3#
279	25.2	19.0	28.6

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 16.782 ng/mL

RT: 17.40 min Scan# 2604

Delta R.T. -0.01 min

Lab File: BF114202.D

Acq: 12 May 2019 19:32

Tgt Ion:	276	Resp:	466830
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.0	28.4
138	23.5	17.8	26.6

