

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
 Data File : BF114203.D
 Acq On : 12 May 2019 19:58
 Operator : JU/SJ
 Sample : K2768-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS015-0002-01

Manual Integrations
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 5/13/2019 8:37:37 PM

Quant Time: May 13 09:36:01 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	283533	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1066132	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	478895	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	864916	20.00	ng	0.00
76) Chrysene-d12	14.02	240	548629	20.00	ng	0.00
87) Perylene-d12	15.49	264	630229	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1453809	82.51	ng	0.00
7) Phenol-d6	6.50	99	1914303	91.86	ng	0.00
23) Nitrobenzene-d5	7.42	82	1188865	62.58	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	414321	83.68	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1805043	57.02	ng	0.00
79) Terphenyl-d14	12.95	244	1367976	51.40	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.15	128	139407	2.799	ng	97
32) Benzoic acid	7.87	122	3408	7.297	ng	88
49) Acenaphthylene	9.75	152	362687	7.659	ng	97
50) Dimethylphthalate	9.60	163	273897	7.791	ng	99
71) Phenanthrene	11.40	178	928782	22.072	ng	97
72) Anthracene	11.45	178	176191	4.169	ng	98
75) Fluoranthene	12.59	202	1419174	31.319	ng	98
78) Pyrene	12.82	202	2387054	54.086	ng	100
81) Benzo(a)anthracene	14.00	228	869897m	24.514	ng	
83) Chrysene	14.04	228	1223966	35.186	ng	99
86) Indeno(1,2,3-cd)pyrene	16.96	276	593685	19.311	ng	96
88) Benzo(b)fluoranthene	15.07	252	1394534m	34.539	ng	
89) Benzo(k)fluoranthene	15.09	252	377140m	10.168	ng	
90) Benzo(a)pyrene	15.43	252	889877	25.043	ng	99
91) Dibenzo(a,h)anthracene	16.96	278	158189m	5.357	ng	
92) Benzo(g,h,i)perylene	17.41	276	655080	22.138	ng	98

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

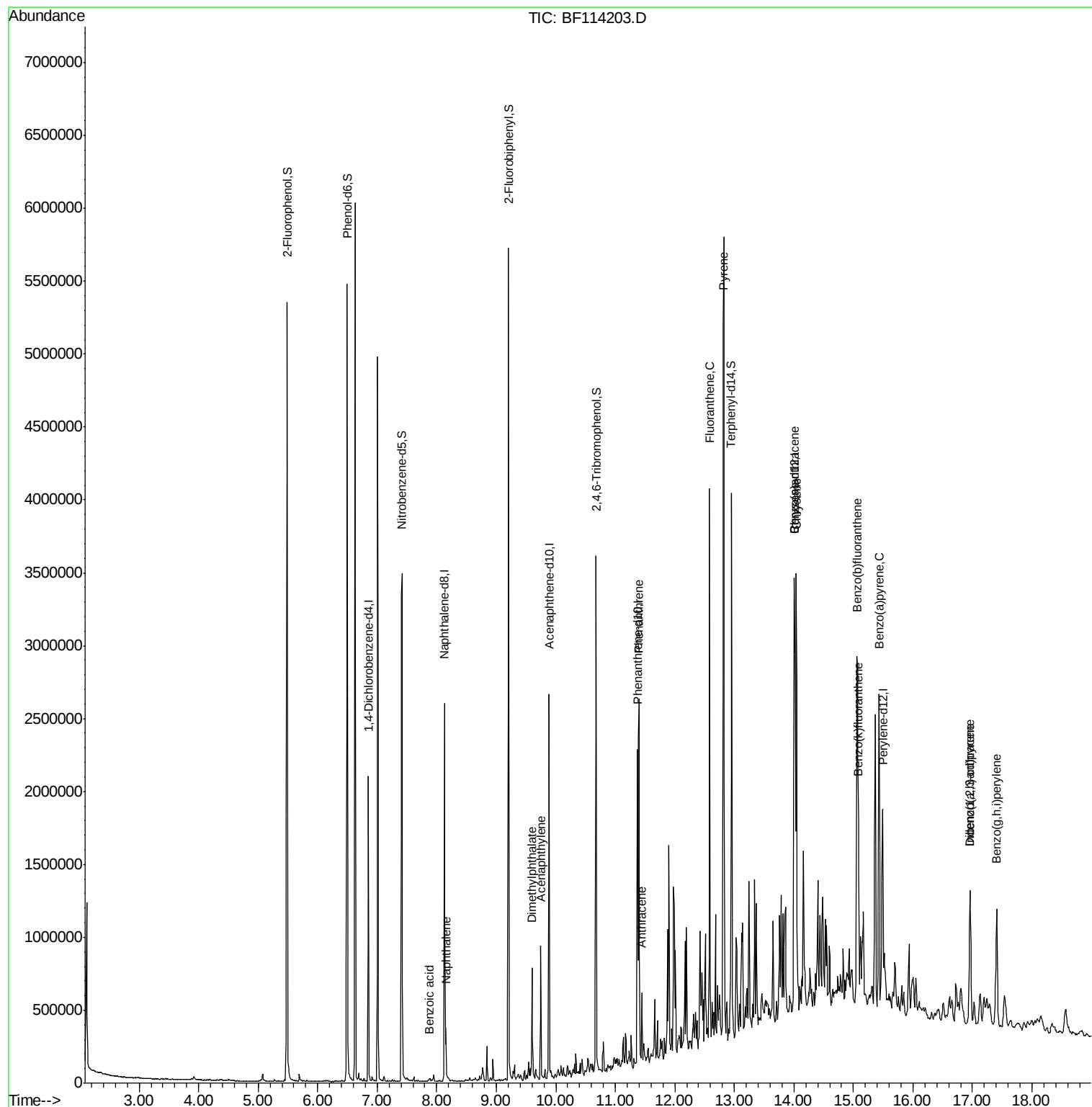
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
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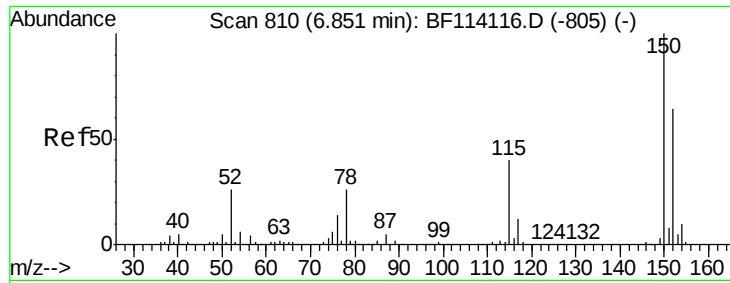
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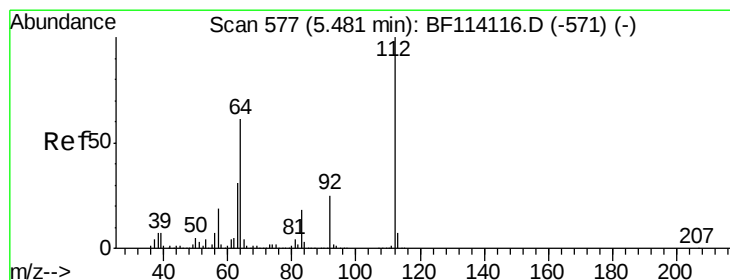
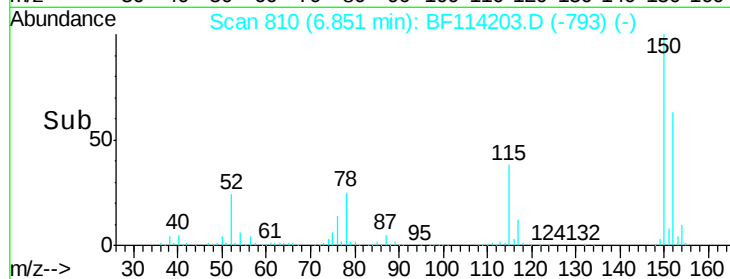
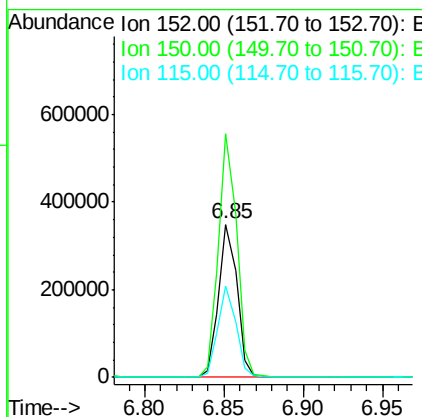
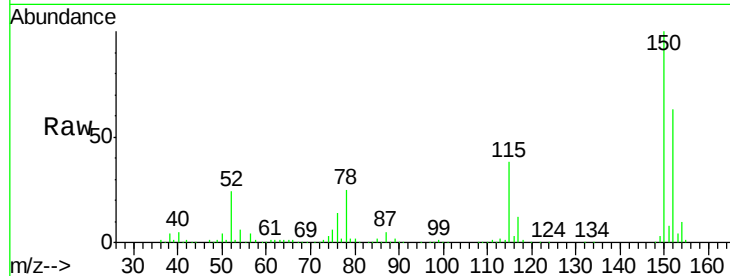
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF114203.D
 Acq: 12 May 2019 19:58

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS015-0002-01

Tot Ion	Ratio	Resp	Lower	Upper
152	100	283533		
150	159.2	124.3	186.5	
115	60.0	49.1	73.7	

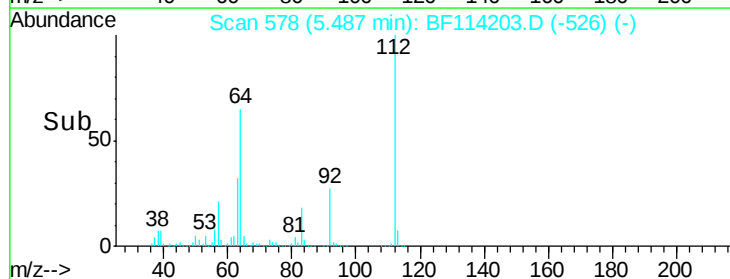
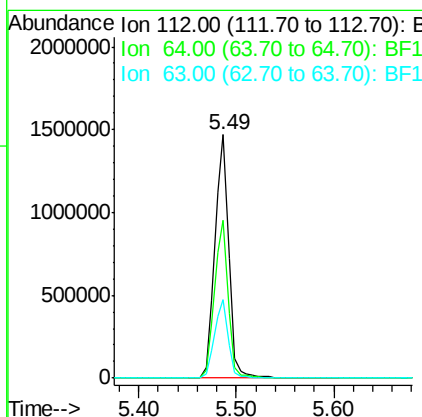
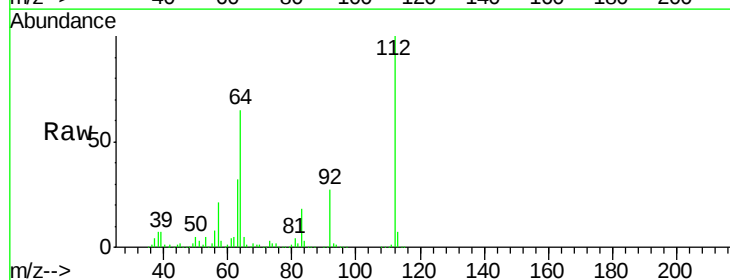
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#5
 2-Fluorophenol
 Concen: 82.515 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF114203.D
 Acq: 12 May 2019 19:58

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1453809		
64	64.7	49.0	73.6	
63	32.2	24.6	37.0	





#7

Phenol-d6

Concen: 91.864 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF114203.D

Acq: 12 May 2019 19:58

Instrument :

BNA_F

ClientSampleId :

P026-SS015-0002-01

Tot Ion: 99 Resp: 1914303

Ion Ratio Lower Upper

99 100

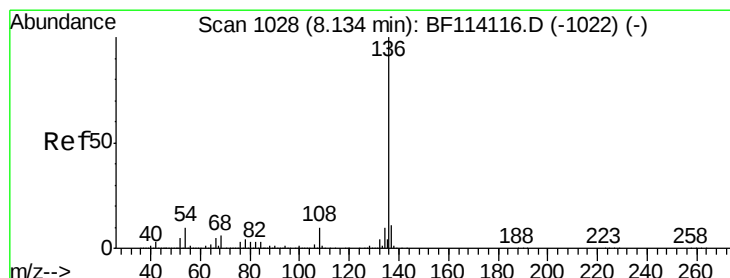
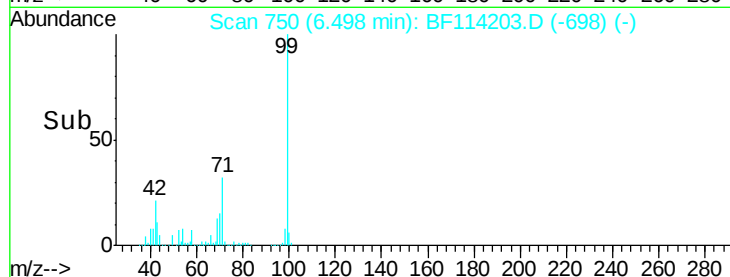
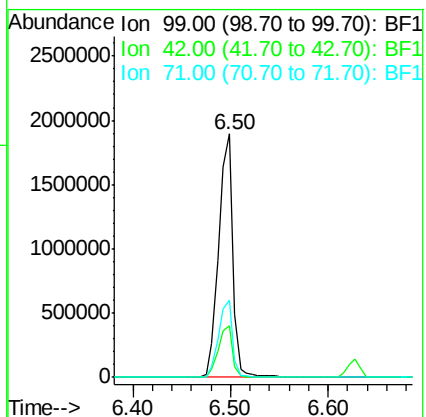
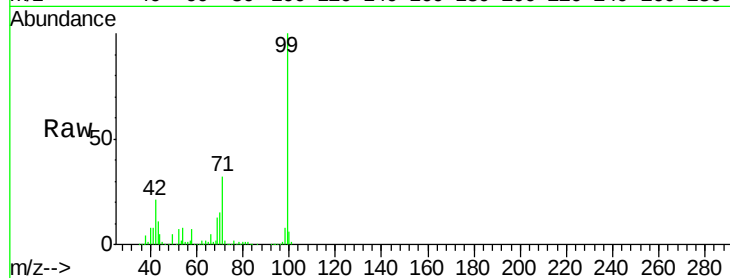
42 21.2 17.9 26.9

71 32.0 26.2 39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF114203.D

Acq: 12 May 2019 19:58

Tgt Ion: 136 Resp: 1066132

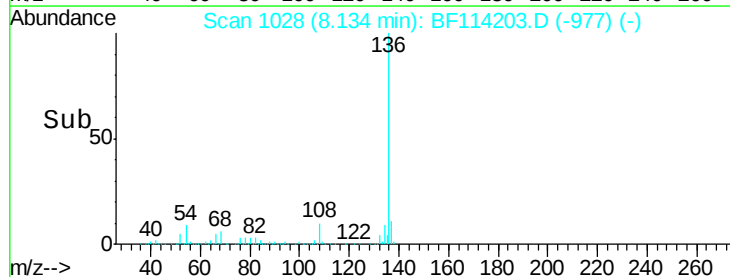
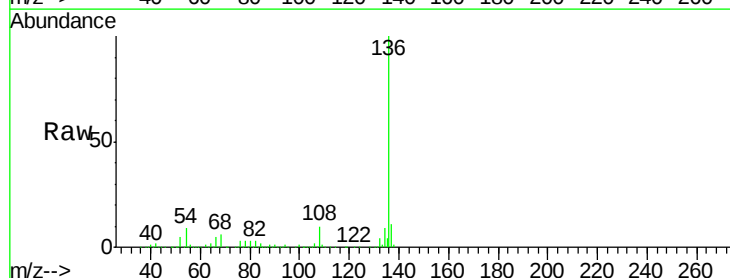
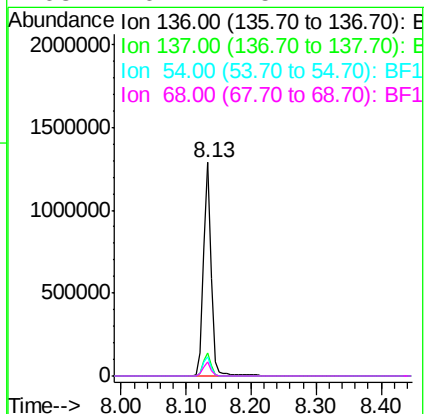
Ion Ratio Lower Upper

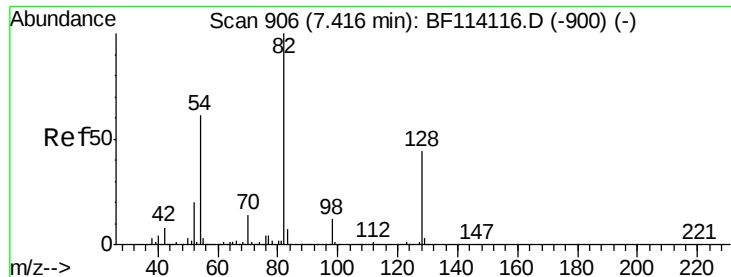
136 100

137 11.0 8.8 13.2

54 9.2 7.8 11.8

68 6.4 5.1 7.7





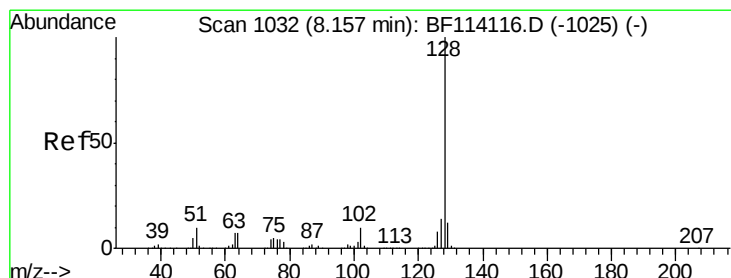
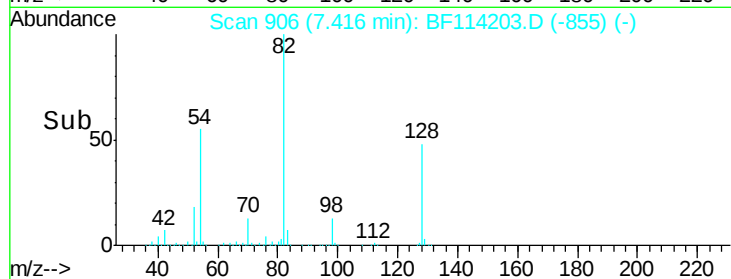
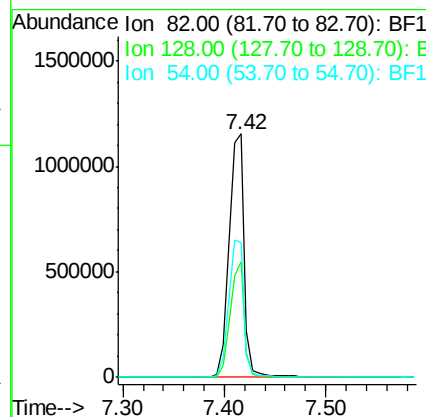
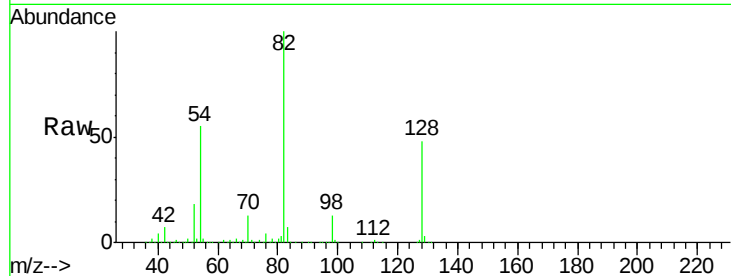
#23
Nitrobenzene-d5
Concen: 62.581 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.00 min
Lab File: BF114203.D
Acq: 12 May 2019 19:58

Instrument :
BNA_F
ClientSampleId :
P026-SS015-0002-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.6	35.5	53.3
54	55.4	48.5	72.7

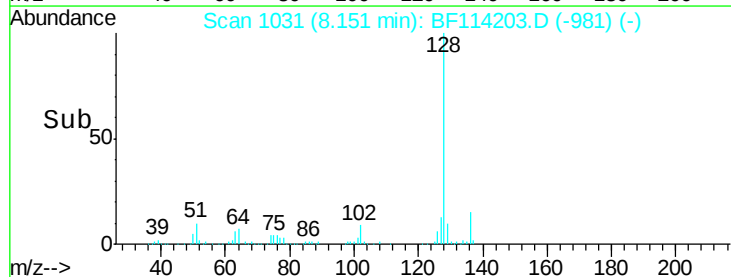
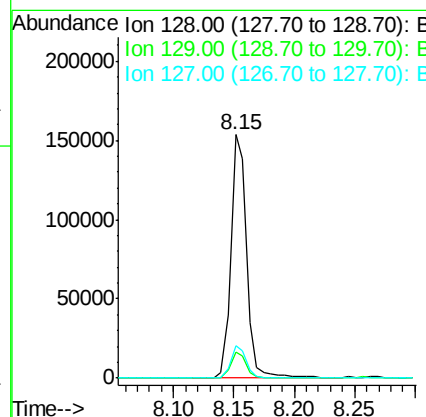
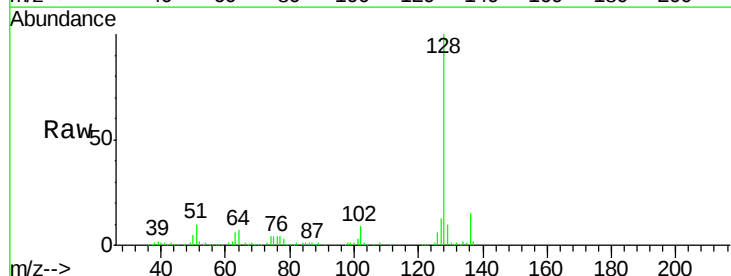
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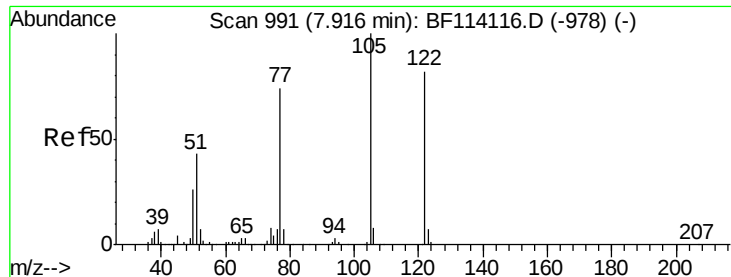
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#31
Naphthalene
Concen: 2.799 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF114203.D
Acq: 12 May 2019 19:58

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.6	14.4
127	13.2	11.3	16.9





#32

Benzoic acid

Concen: 7.297 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.04 min

Lab File: BF114203.D

Acq: 12 May 2019 19:58

Instrument :

BNA_F

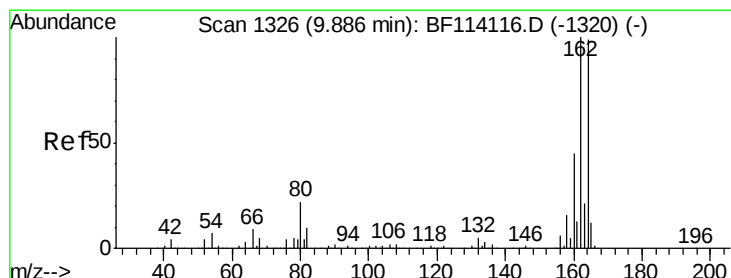
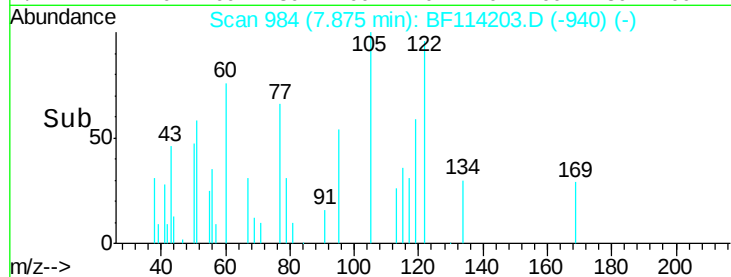
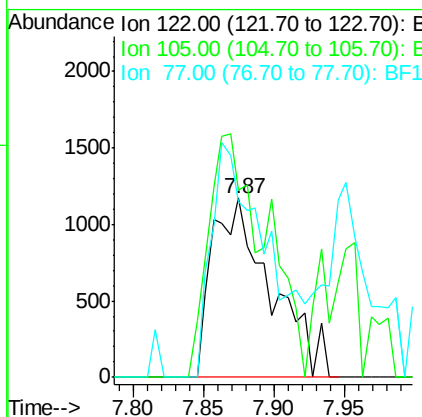
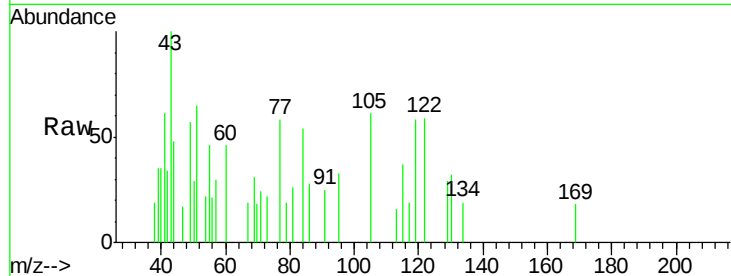
ClientSampleId :

P026-SS015-0002-01

Tot Ion:	122	Resp:	3408
Ion Ratio	Lower	Upper	
122	100		
105	104.2	99.9	139.9
77	98.2	69.4	109.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

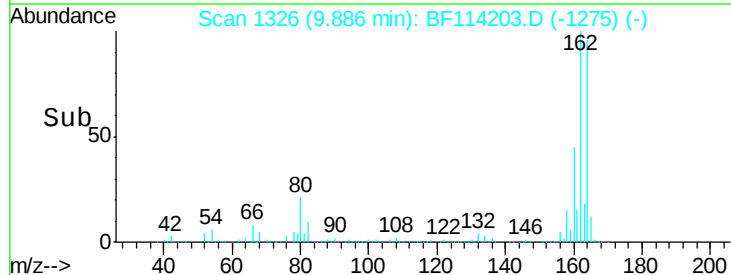
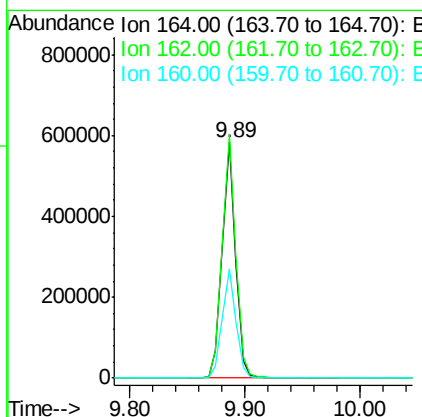
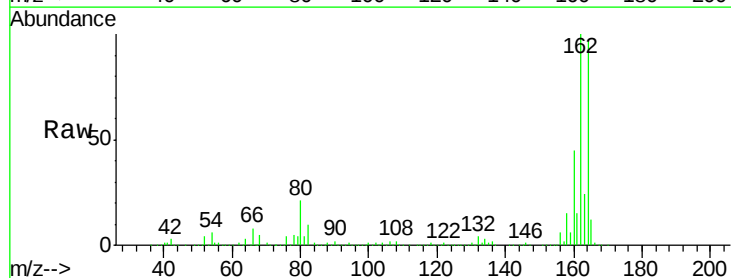
RT: 9.89 min Scan# 1326

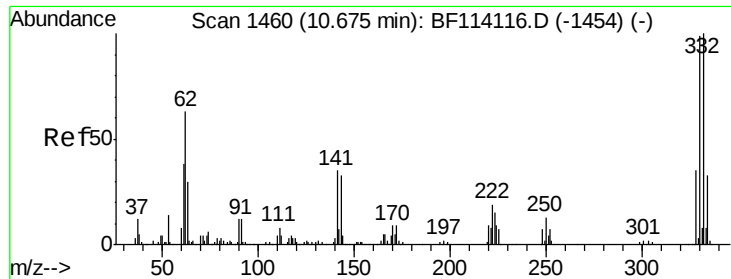
Delta R.T. -0.00 min

Lab File: BF114203.D

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Tgt Ion:	164	Resp:	478895
Ion Ratio	Lower	Upper	
164	100		
162	103.3	80.6	120.8
160	46.6	36.5	54.7





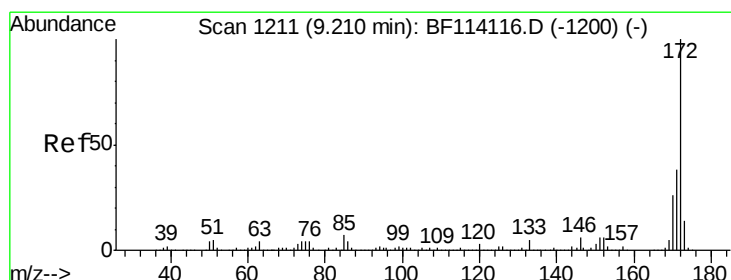
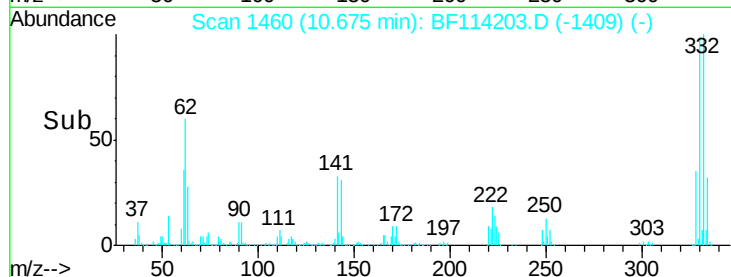
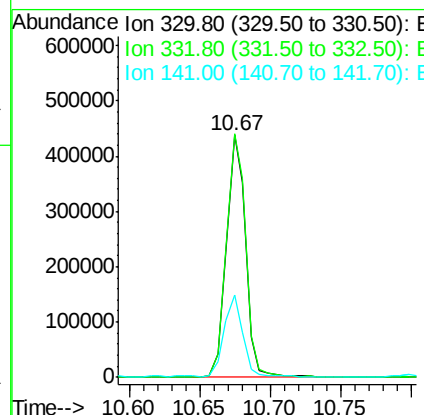
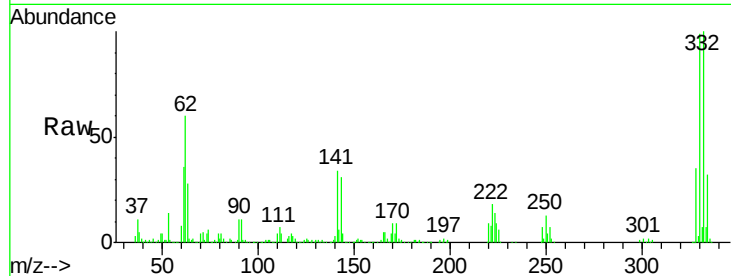
#42
 2,4,6-Tribromophenol
 Concen: 83.685 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: BF114203.D
 Acq: 12 May 2019 19:58

Instrument :
 BNA_F
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Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	101.9	81.4	122.2	
141	33.1	26.6	40.0	

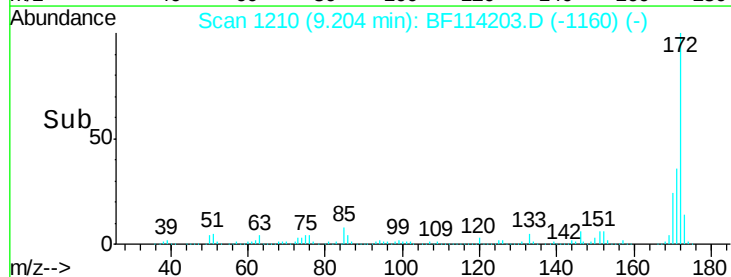
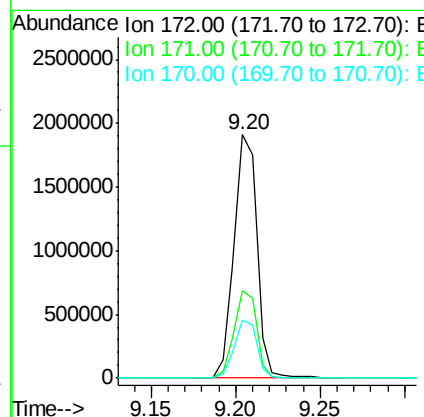
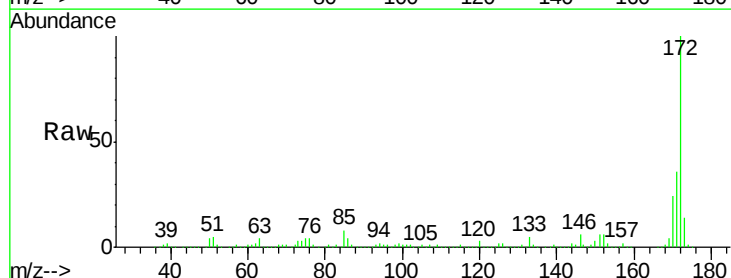
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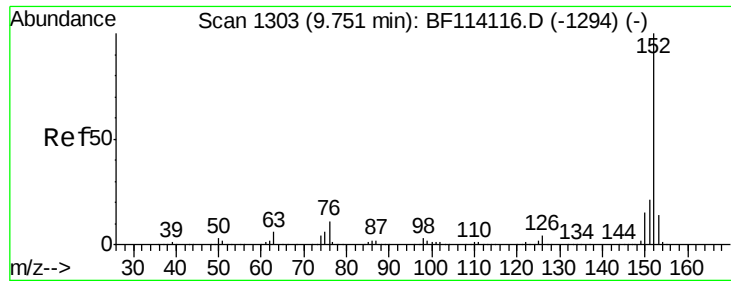
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#45
 2-Fluorobiphenyl
 Concen: 57.015 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF114203.D
 Acq: 12 May 2019 19:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	30.7	46.1	
170	23.9	20.5	30.7	





#49

Acenaphthylene

Concen: 7.659 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF114203.D

Acq: 12 May 2019 19:58

Instrument :

BNA_F

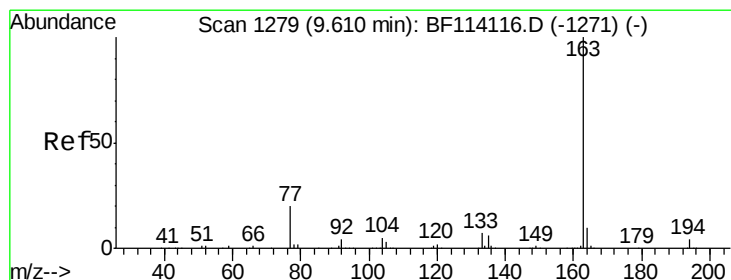
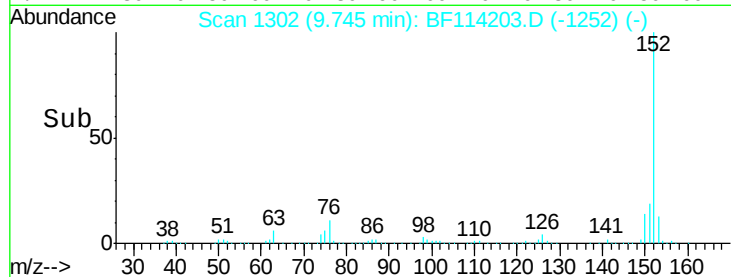
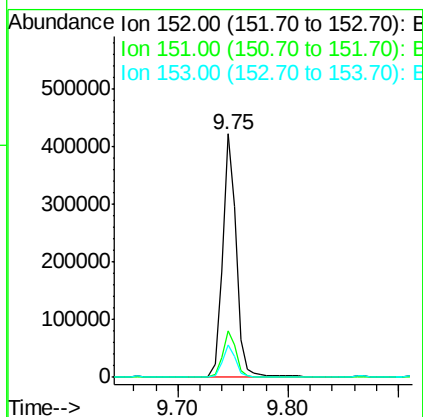
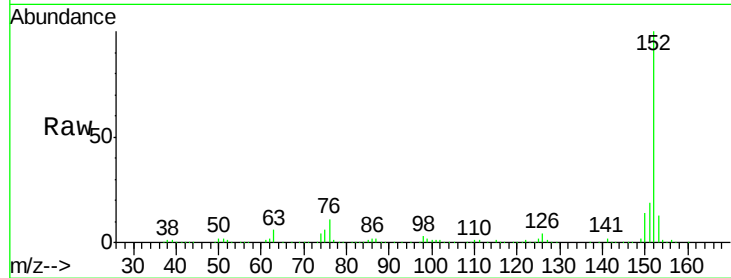
ClientSampleId :

P026-SS015-0002-01

Tot Ion:	152	Resp:	362687
Ion Ratio	Lower	Upper	
152	100		
151	19.3	16.8	25.2
153	13.1	11.4	17.2

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#50

Dimethylphthalate

Concen: 7.791 ng

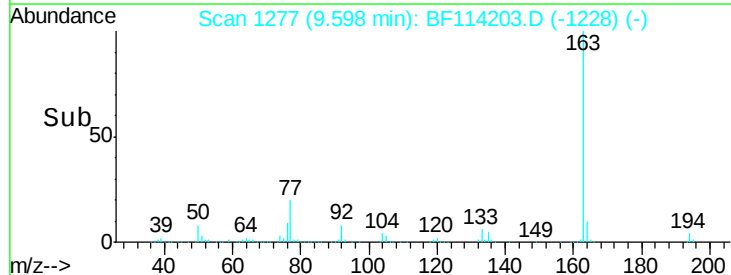
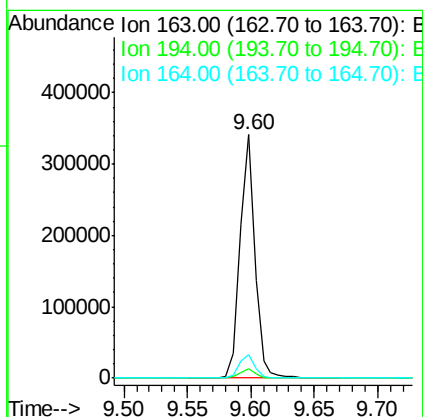
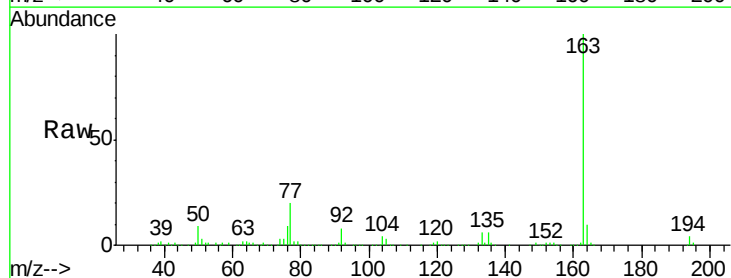
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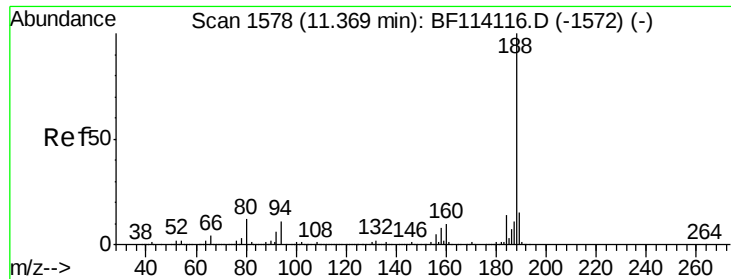
Delta R.T. -0.01 min

Lab File: BF114203.D

Acq: 12 May 2019 19:58

Tgt Ion:	163	Resp:	273897
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.4	5.0
164	9.6	8.2	12.2





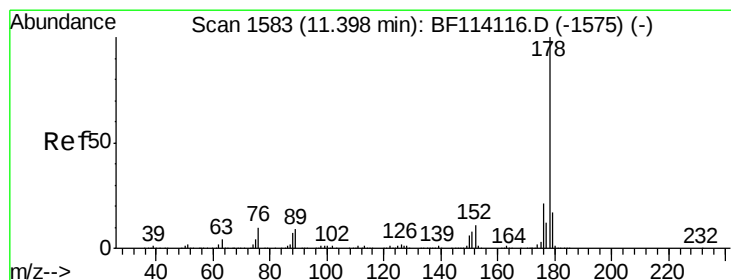
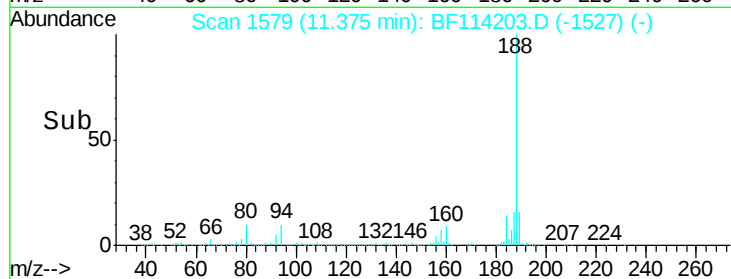
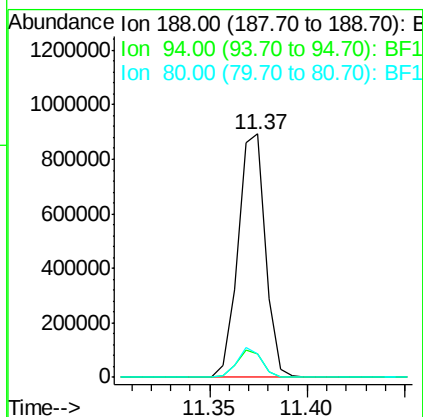
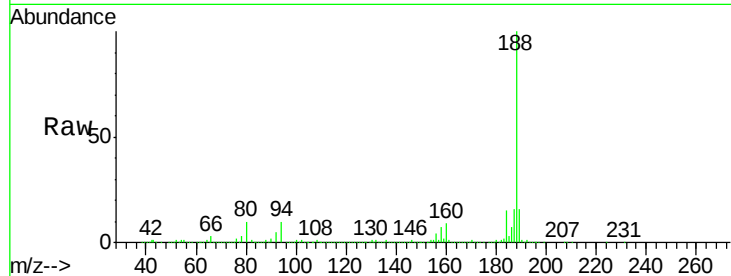
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF114203.D
Acq: 12 May 2019 19:58

Instrument :
BNA_F
ClientSampleId :
P026-SS015-0002-01

Tot Ion:	188	Resp:	864916
Ion Ratio	Lower	Upper	
188	100		
94	9.7	8.4	12.6
80	9.7	9.2	13.8

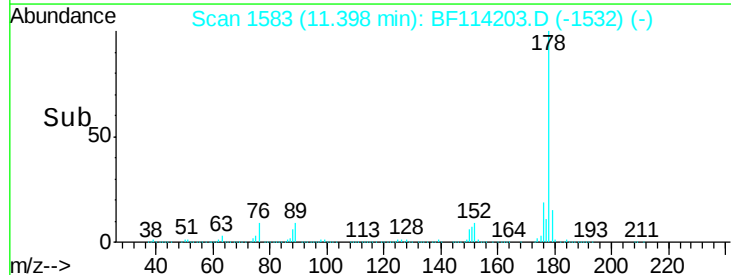
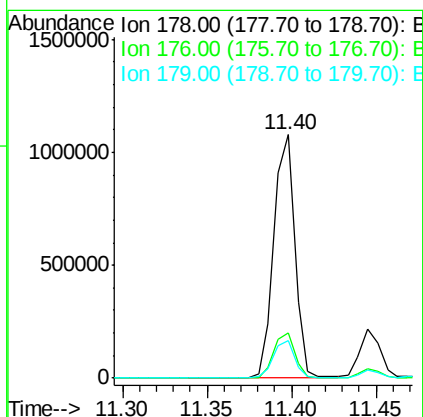
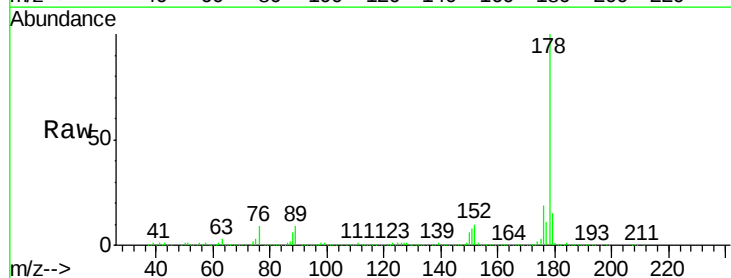
Manual Integrations
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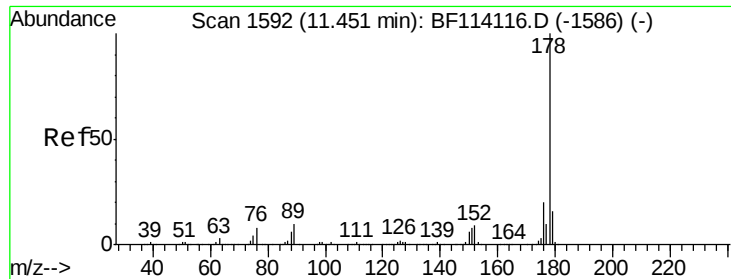
Sohil
5/13/2019 8:37:37 PM



#71
Phenanthrene
Concen: 22.072 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF114203.D
Acq: 12 May 2019 19:58

Tgt Ion:	178	Resp:	928782
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.4	24.6
179	15.3	13.2	19.8





#72

Anthracene

Concen: 4.169 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF114203.D

Acq: 12 May 2019 19:58

Instrument :

BNA_F

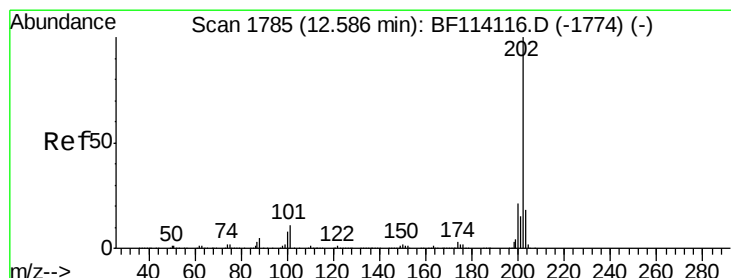
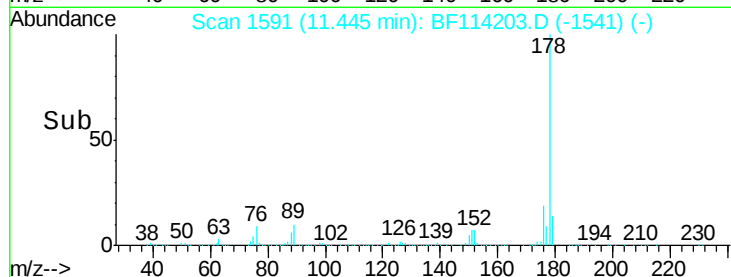
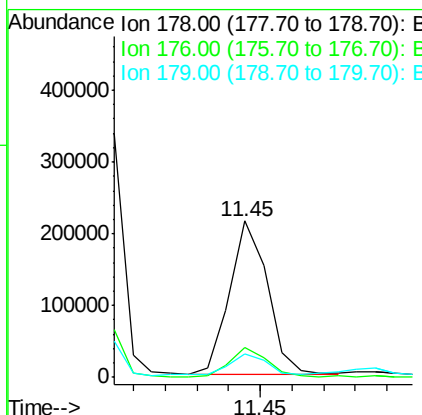
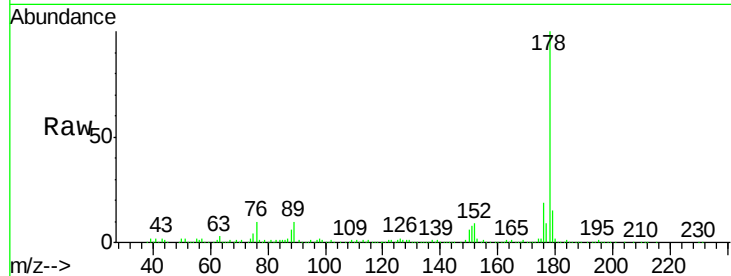
ClientSampleId :

P026-SS015-0002-01

Tot Ion:	178	Resp:	176191
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.8	23.8
179	15.3	13.0	19.4

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#75

Fluoranthene

Concen: 31.319 ng

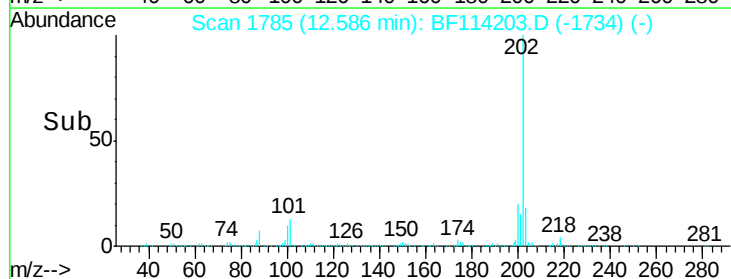
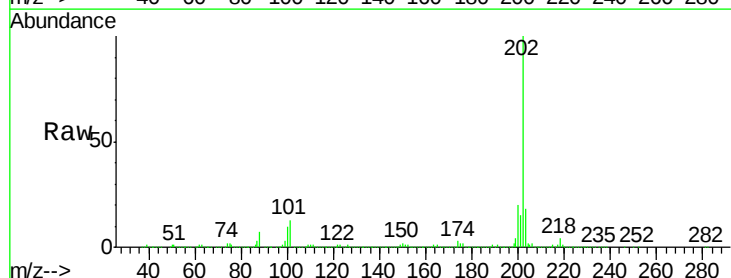
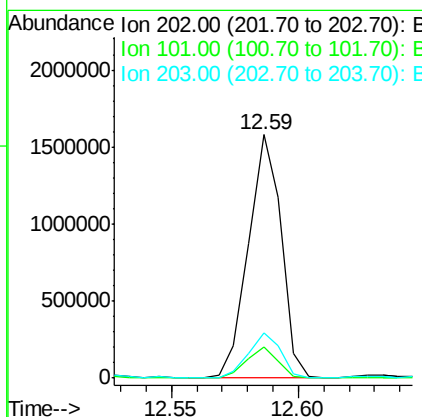
RT: 12.59 min Scan# 1785

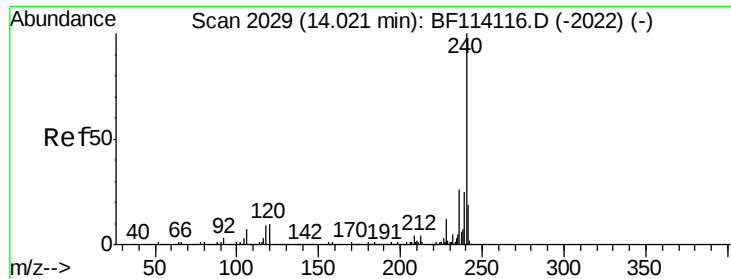
Delta R.T. -0.00 min

Lab File: BF114203.D

Acq: 12 May 2019 19:58

Tgt Ion:	202	Resp:	1419174
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	31.0
203	18.4	0.0	38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF114203.D

Acq: 12 May 2019 19:58

Instrument :

BNA_F

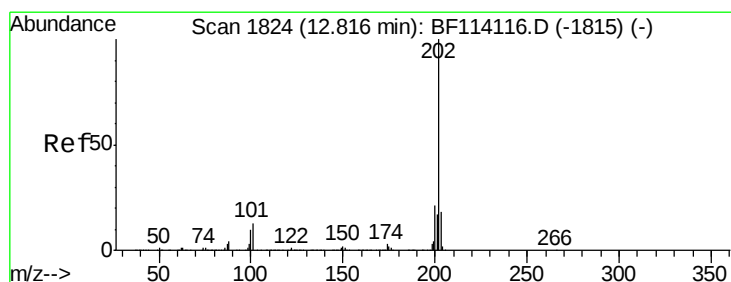
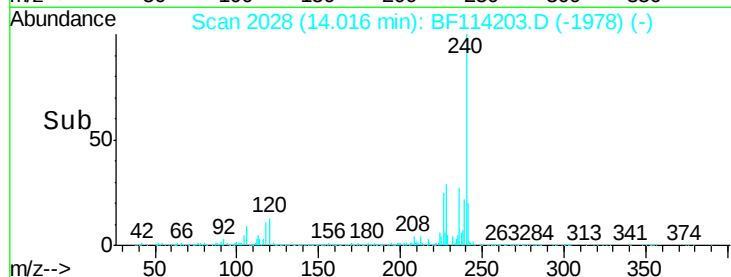
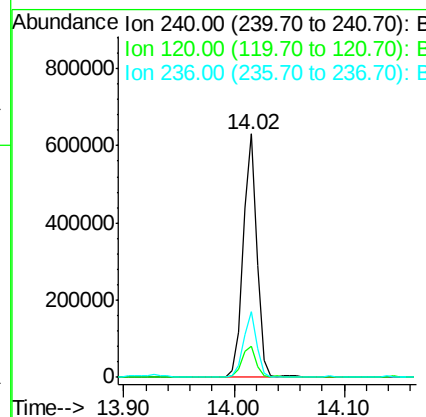
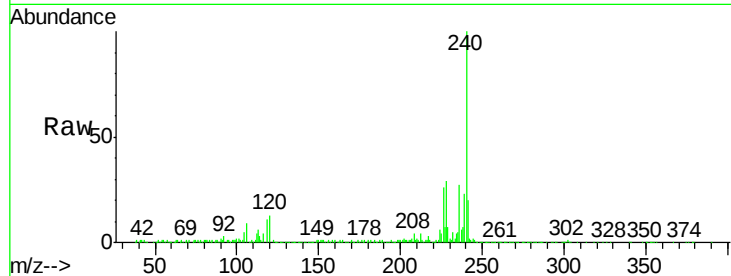
ClientSampleId :

P026-SS015-0002-01

Tot Ion:	240	Resp:	548629
Ion Ratio		Lower	Upper
240	100		
120	12.8	8.3	12.5#
236	26.9	20.8	31.2

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#78

Pyrene

Concen: 54.086 ng

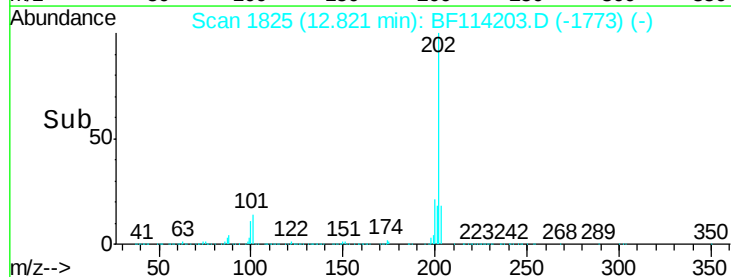
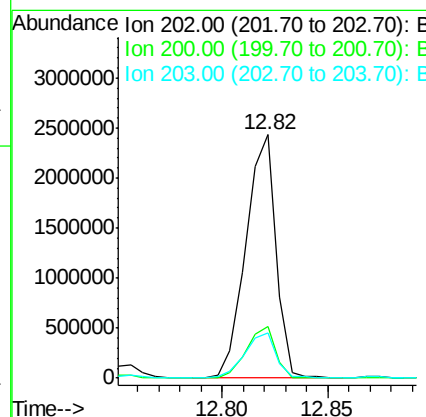
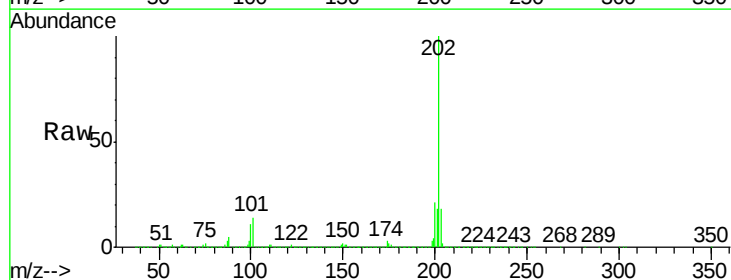
RT: 12.82 min Scan# 1825

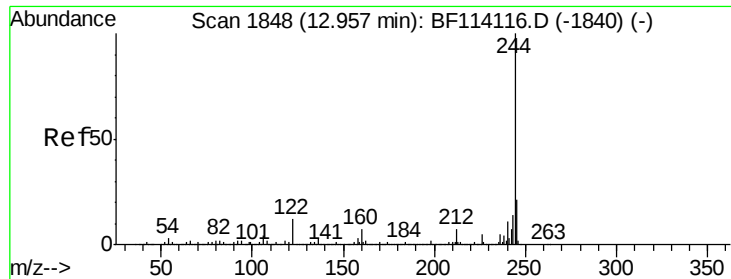
Delta R.T. 0.01 min

Lab File: BF114203.D

Acq: 12 May 2019 19:58

Tgt Ion:	202	Resp:	2387054
Ion Ratio		Lower	Upper
202	100		
200	21.2	16.9	25.3
203	18.4	14.5	21.7





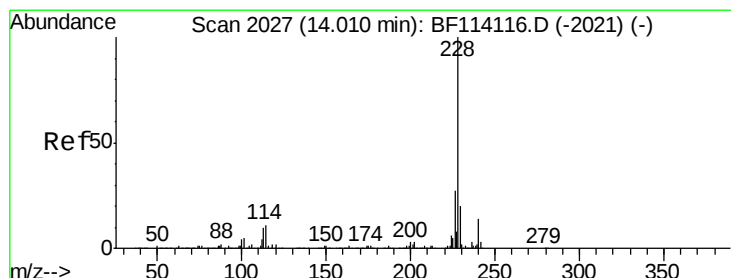
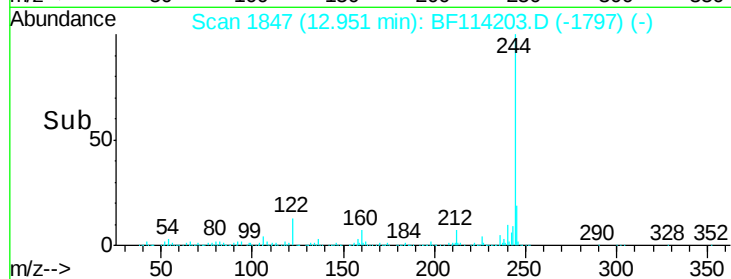
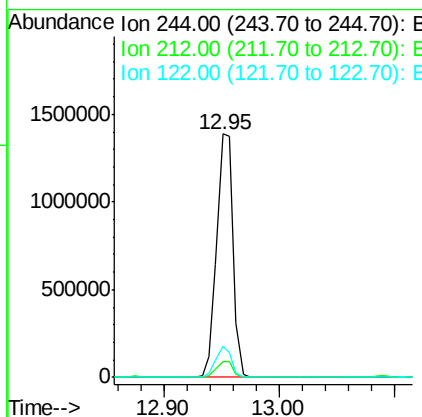
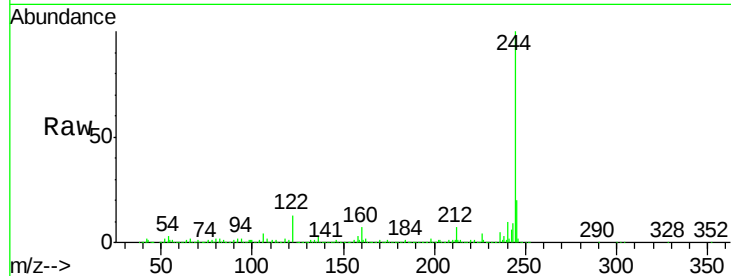
#79
 Terphenyl-d14
 Concen: 51.401 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF114203.D
 Acq: 12 May 2019 19:58

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS015-0002-01

Tot Ion:244 Resp: 1367976
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.6
 122 12.8 9.4 14.2

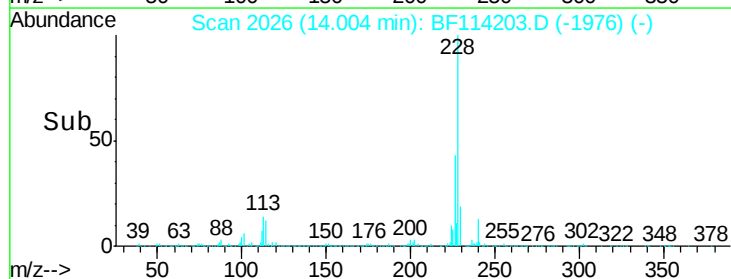
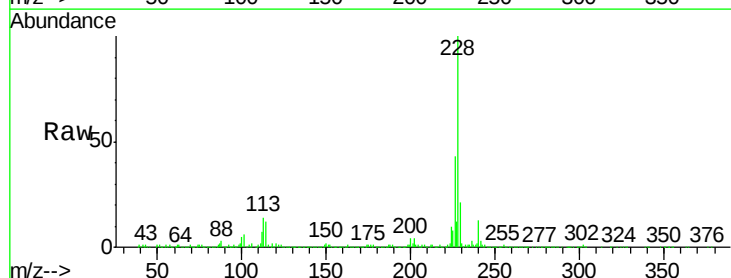
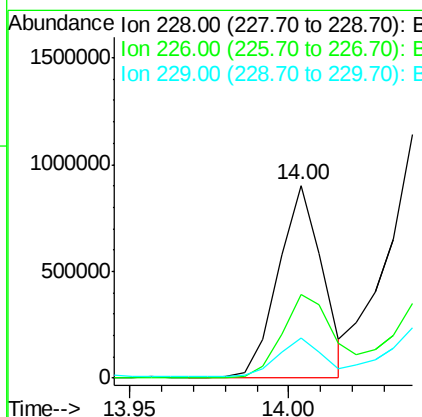
Manual Integrations
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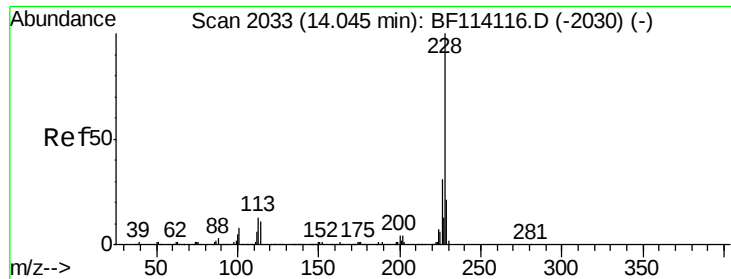
Sohil
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#81
 Benzo(a)anthracene
 Concen: 24.514 ng m
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF114203.D
 Acq: 12 May 2019 19:58

Tgt Ion:228 Resp: 869897
 Ion Ratio Lower Upper
 228 100
 226 43.5 22.2 33.2#
 229 21.1 16.4 24.6





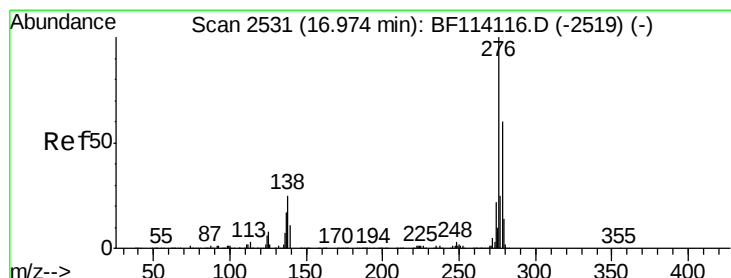
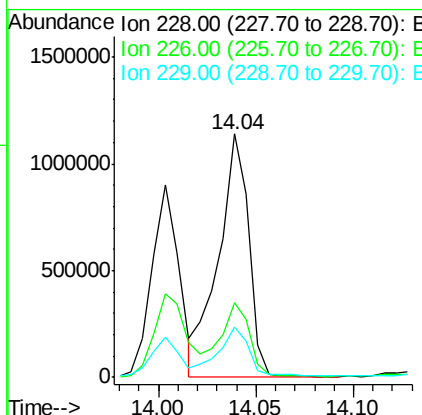
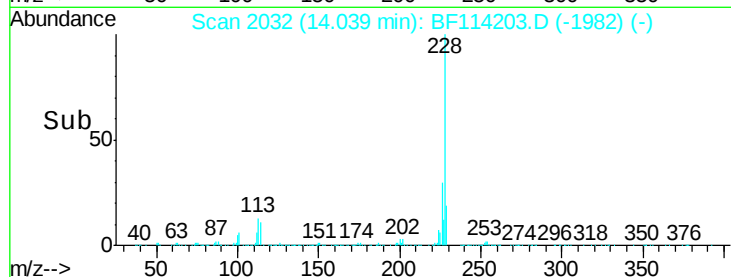
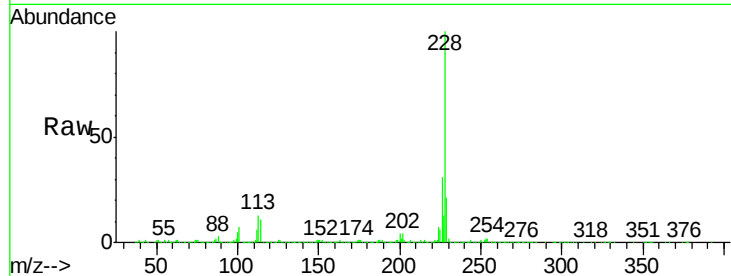
#83
Chrysene
Concen: 35.186 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF114203.D
Acq: 12 May 2019 19:58

Instrument :
BNA_F
ClientSampleId :
P026-SS015-0002-01

Tot Ion:228 Resp: 1223966
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.6
229 20.8 17.0 25.6

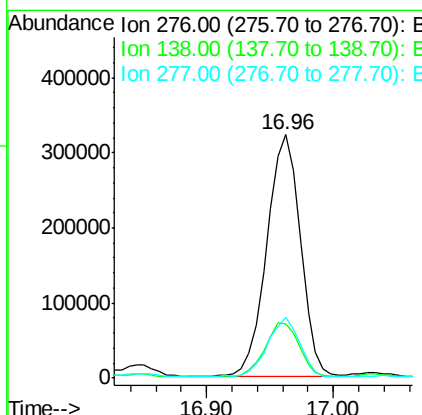
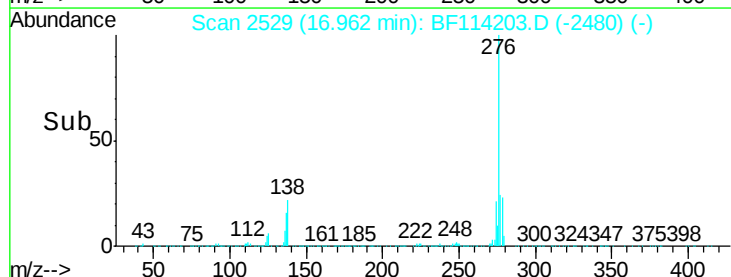
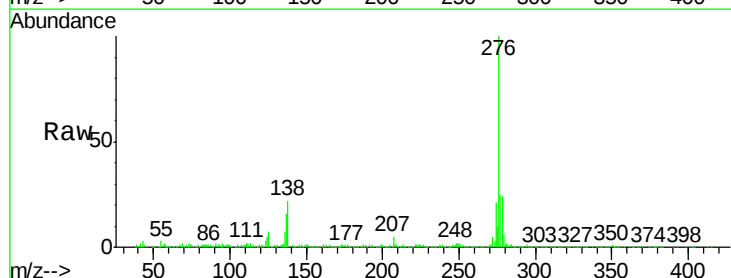
Manual Integrations
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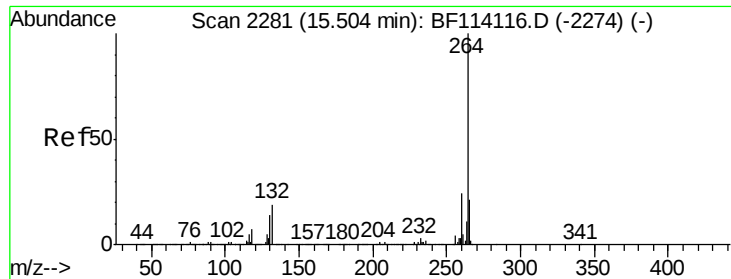
Sohil
5/13/2019 8:37:37 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 19.311 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF114203.D
Acq: 12 May 2019 19:58

Tgt Ion:276 Resp: 593685
Ion Ratio Lower Upper
276 100
138 22.8 20.2 30.2
277 23.8 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: BF114203.D

Acq: 12 May 2019 19:58

Instrument :

BNA_F

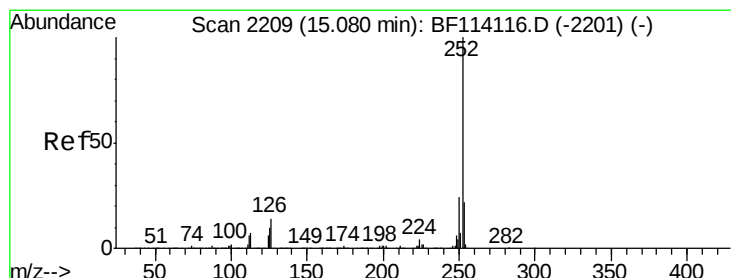
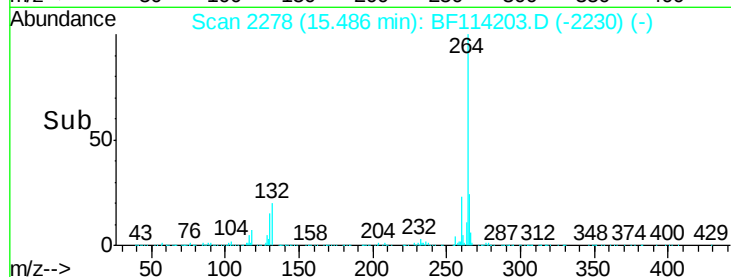
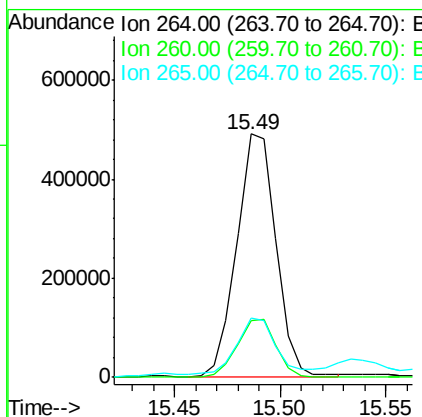
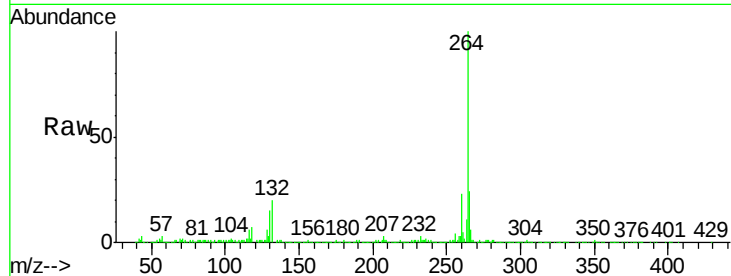
ClientSampleId :

P026-SS015-0002-01

Tot Ion:	264	Resp:	630229
Ion Ratio		Lower	Upper
264	100		
260	23.2	19.4	29.0
265	24.1	16.9	25.3

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#88

Benzo(b)fluoranthene

Concen: 34.539 ng m

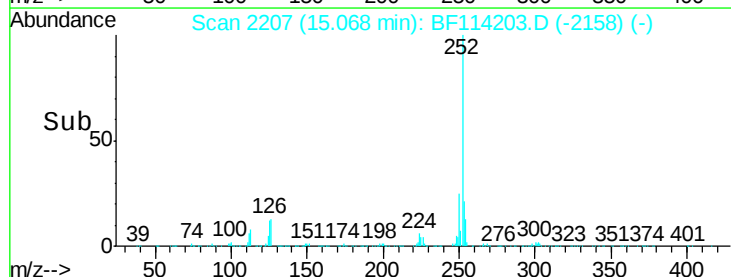
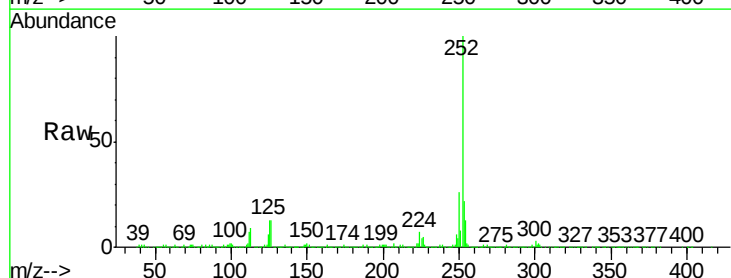
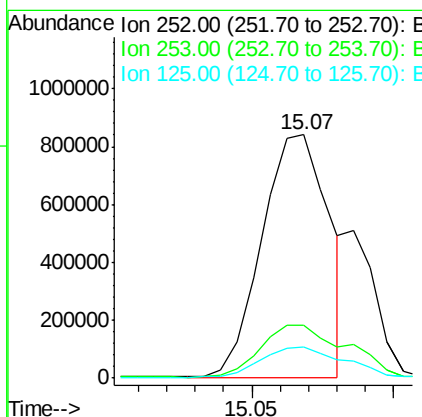
RT: 15.07 min Scan# 2207

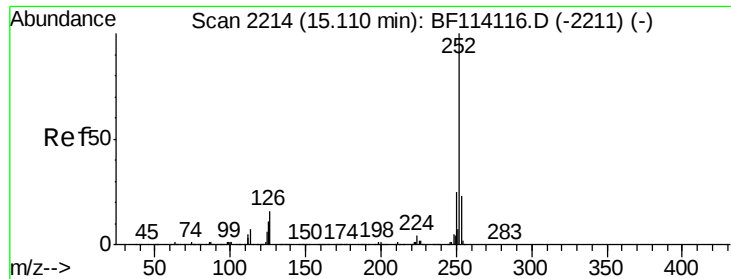
Delta R.T. -0.01 min

Lab File: BF114203.D

Acq: 12 May 2019 19:58

Tgt Ion:	252	Resp:	1394534
Ion Ratio		Lower	Upper
252	100		
253	21.7	17.8	26.8
125	12.6	8.3	12.5#





#89

Benzo(k)fluoranthene

Concen: 10.168 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.02 min

Lab File: BF114203.D

Acq: 12 May 2019 19:58

Instrument :

BNA_F

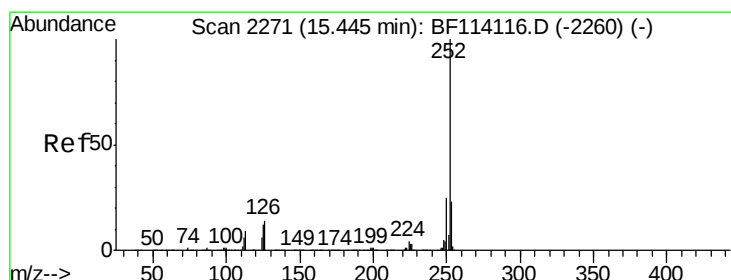
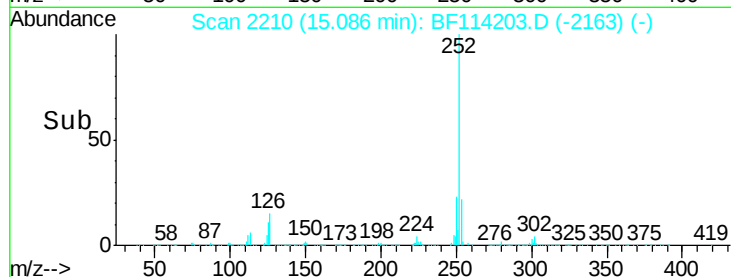
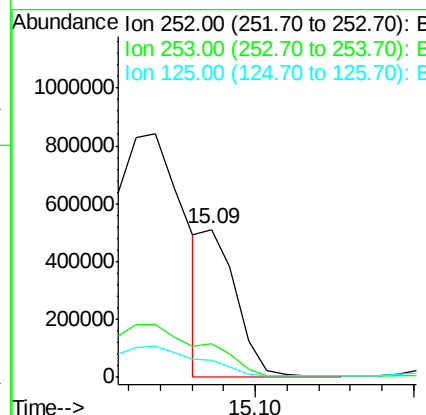
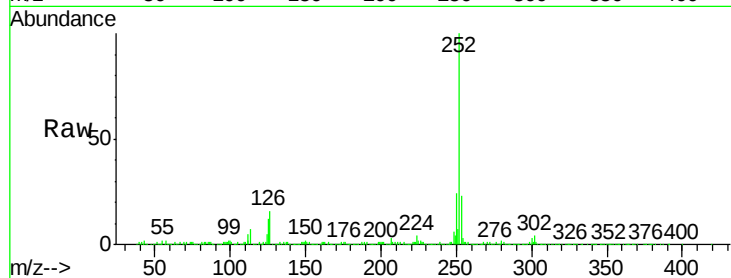
ClientSampleId :

P026-SS015-0002-01

Tot Ion:	252	Resp:	377140
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.2	27.2
125	11.6	8.6	13.0

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#90

Benzo(a)pyrene

Concen: 25.043 ng

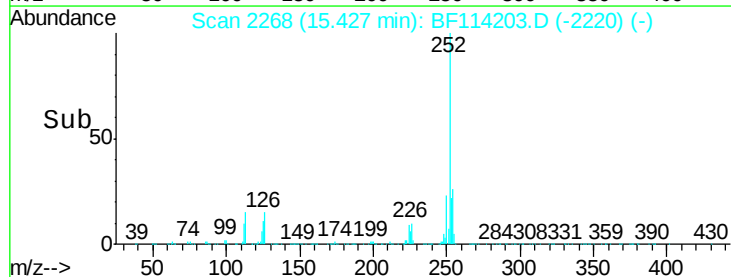
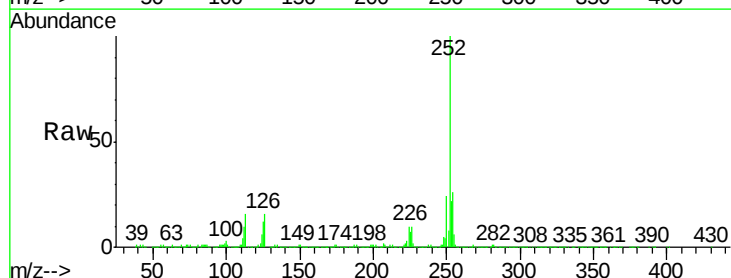
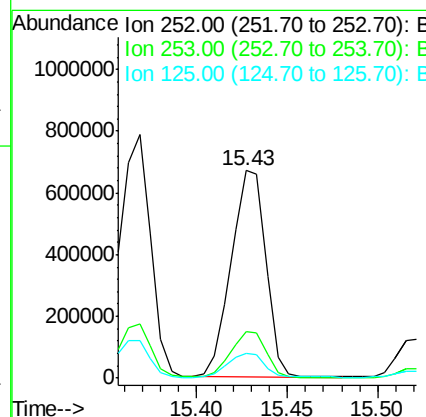
RT: 15.43 min Scan# 2268

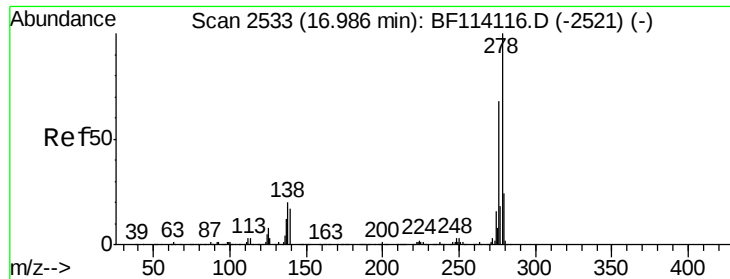
Delta R.T. -0.02 min

Lab File: BF114203.D

Acq: 12 May 2019 19:58

Tgt Ion:	252	Resp:	889877
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.1	27.1
125	12.1	9.5	14.3





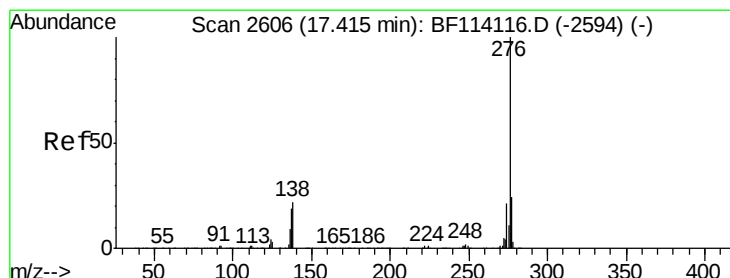
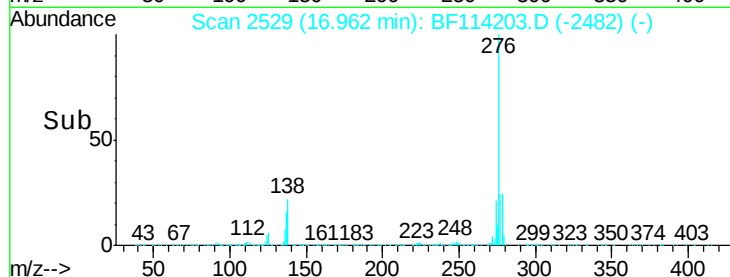
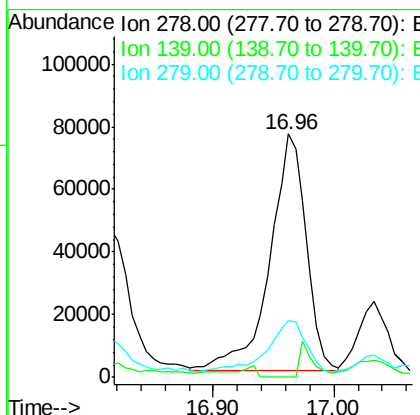
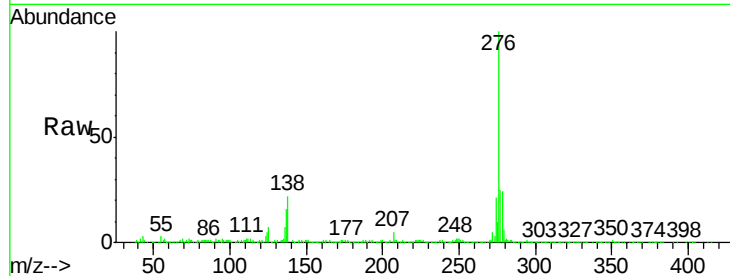
#91
Dibenzo(a,h)anthracene
Concen: 5.357 ng m
RT: 16.96 min Scan# 2529
Delta R.T. -0.02 min
Lab File: BF114203.D
Acq: 12 May 2019 19:58

Instrument :
BNA_F
ClientSampleId :
P026-SS015-0002-01

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	23.1	19.0	28.6

Manual Integrations
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5/13/2019 8:37:37 PM



#92
Benzo(g,h,i)perylene
Concen: 22.138 ng
RT: 17.41 min Scan# 2605
Delta R.T. -0.01 min
Lab File: BF114203.D
Acq: 12 May 2019 19:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	24.2	17.8	26.6

