

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
 Data File : BF114135.D
 Acq On : 10 May 2019 21:54
 Operator : JU/SJ
 Sample : K2764-18
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS002-0612-01

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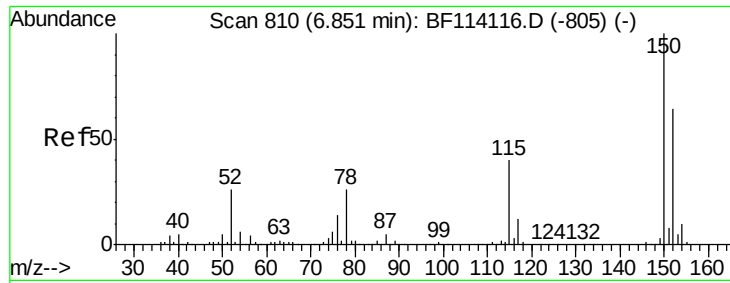
Quant Time: May 11 04:33:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	323197	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1126013	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	470849	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	867539	20.00	ng	0.00
76) Chrysene-d12	14.01	240	641877	20.00	ng	-0.01
87) Perylene-d12	15.49	264	553997	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	2206262	109.85	ng	0.00
7) Phenol-d6	6.49	99	2863837	120.57	ng	0.00
23) Nitrobenzene-d5	7.42	82	1706775	85.07	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	574816	118.09	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	2661550	85.51	ng	0.00
79) Terphenyl-d14	12.96	244	2400349	77.09	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Acenaphthylene	9.75	152	174489	3.748	ng	97
50) Dimethylphthalate	9.60	163	347687	10.059	ng	99
71) Phenanthrene	11.39	178	578623	13.709	ng	97
72) Anthracene	11.45	178	103743	2.447	ng	96
75) Fluoranthene	12.59	202	940657	20.696	ng	100
78) Pyrene	12.82	202	1667711	32.298	ng	99
81) Benzo(a)anthracene	14.00	228	519748m	12.519	ng	
83) Chrysene	14.04	228	620746	15.253	ng	97
86) Indeno(1,2,3-cd)pyrene	16.95	276	212694	5.913	ng	97
88) Benzo(b)fluoranthene	15.06	252	532131m	14.993	ng	
89) Benzo(k)fluoranthene	15.09	252	150044m	4.602	ng	
90) Benzo(a)pyrene	15.43	252	318231	10.188	ng	97
92) Benzo(g,h,i)perylene	17.39	276	243131	9.347	ng	97

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



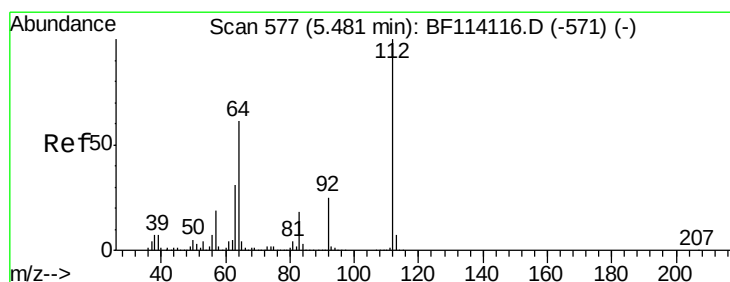
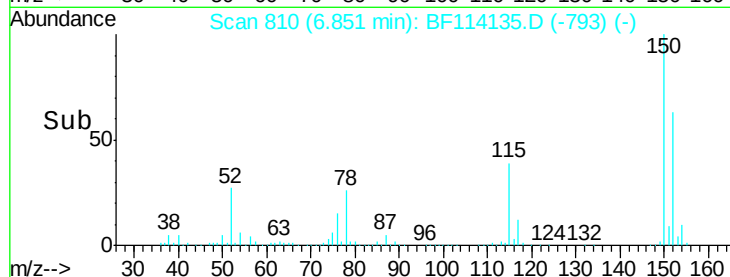
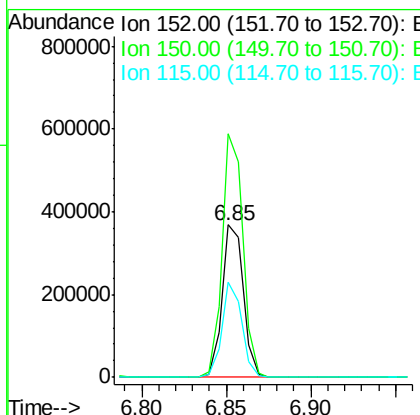
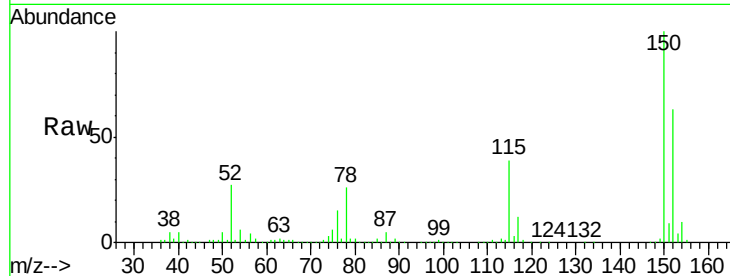
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF114135.D
 Acq: 10 May 2019 21:54

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS002-0612-01

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	323197		
150	159.7	124.3	186.5	
115	62.5	49.1	73.7	

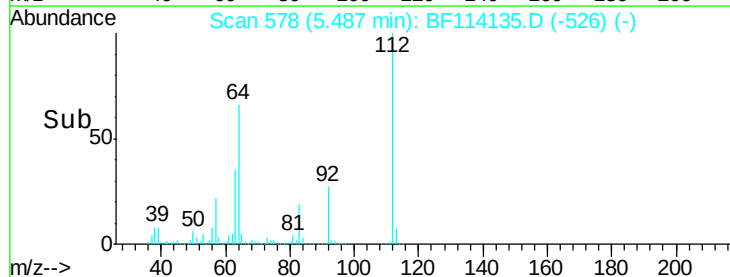
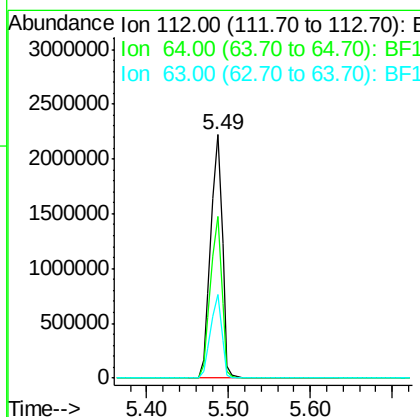
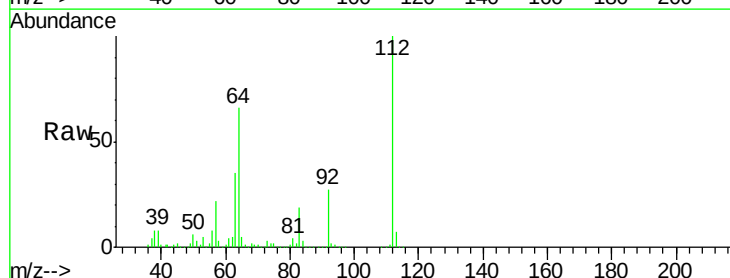
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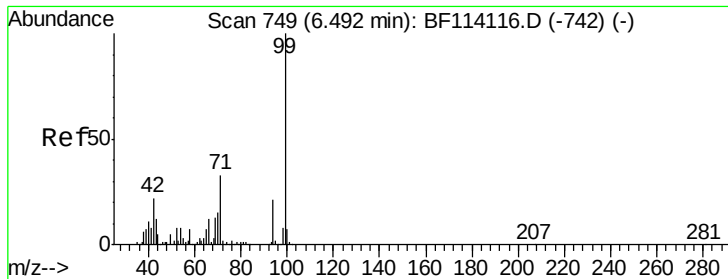
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#5
 2-Fluorophenol
 Concen: 109.854 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF114135.D
 Acq: 10 May 2019 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	2206262		
64	66.2	49.0	73.6	
63	34.6	24.6	37.0	





#7

Phenol-d6

Concen: 120.565 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

Instrument :

BNA_F

ClientSampleId :

P026-SS002-0612-01

Tgt Ion: 99 Resp: 2863837

Ion Ratio Lower Upper

99 100

42 23.6 17.9 26.9

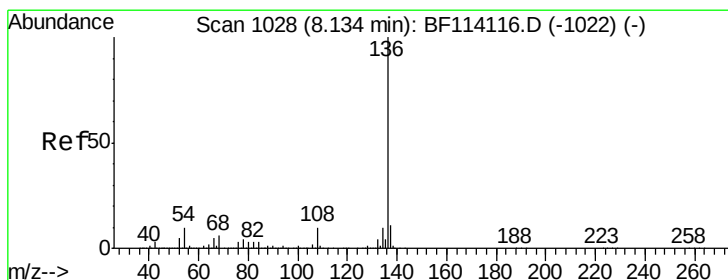
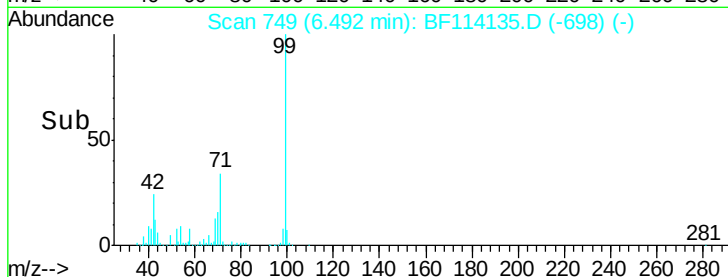
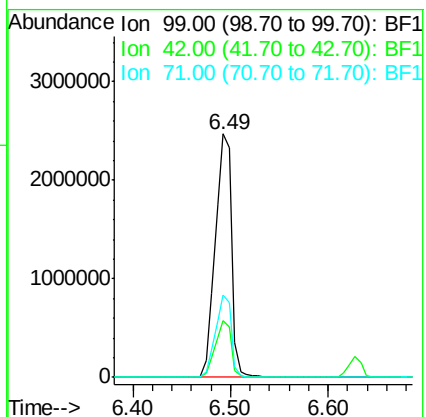
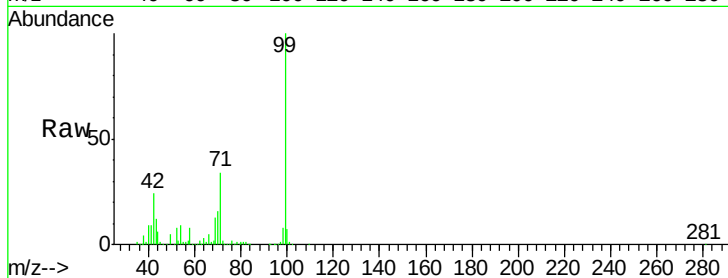
71 33.7 26.2 39.2

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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: BF114135.D

Acq: 10 May 2019 21:54

Tgt Ion: 136 Resp: 1126013

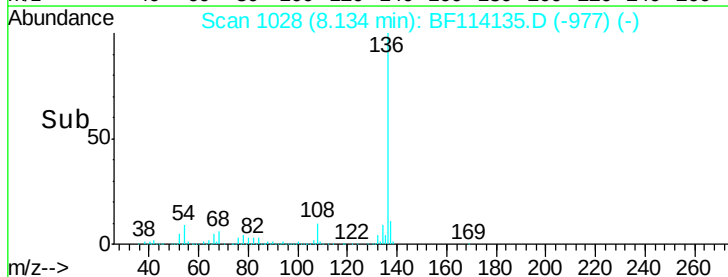
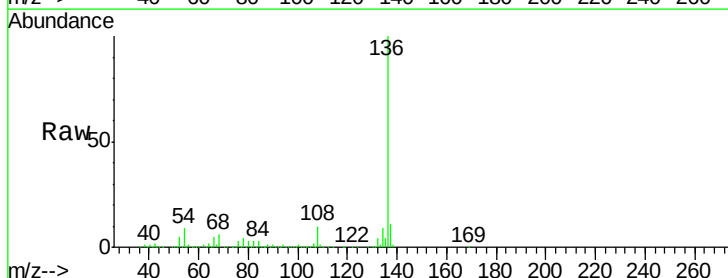
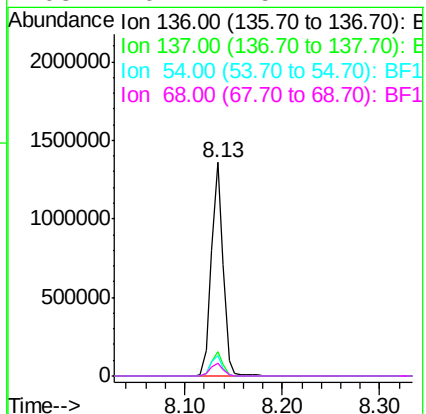
Ion Ratio Lower Upper

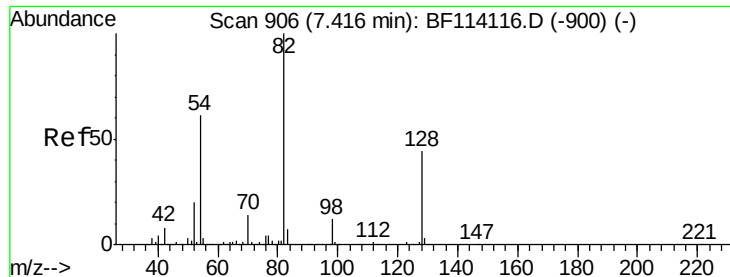
136 100

137 11.4 8.8 13.2

54 9.5 7.8 11.8

68 6.2 5.1 7.7





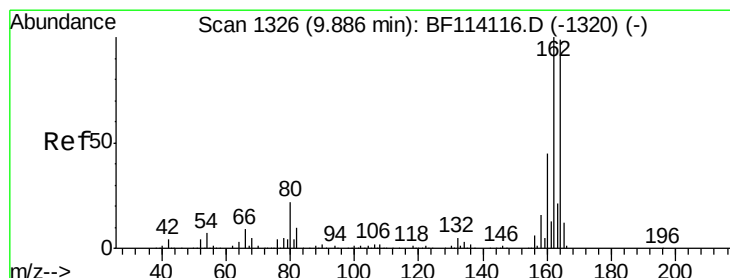
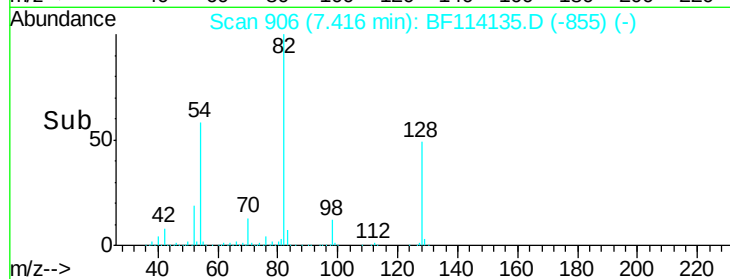
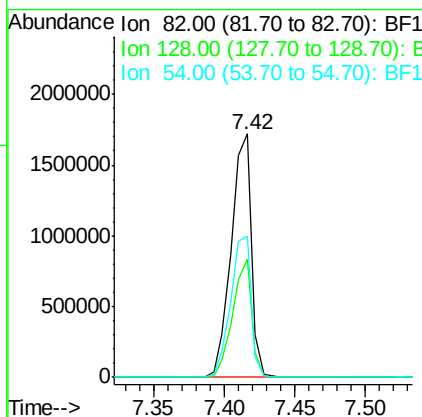
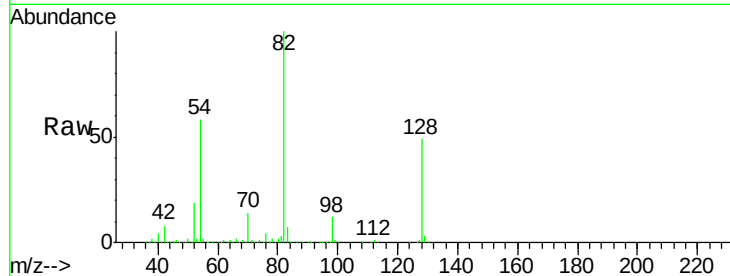
#23
 Nitrobenzene-d5
 Concen: 85.065 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: BF114135.D
 Acq: 10 May 2019 21:54

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS002-0612-01

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.6	35.5	53.3
54	58.1	48.5	72.7

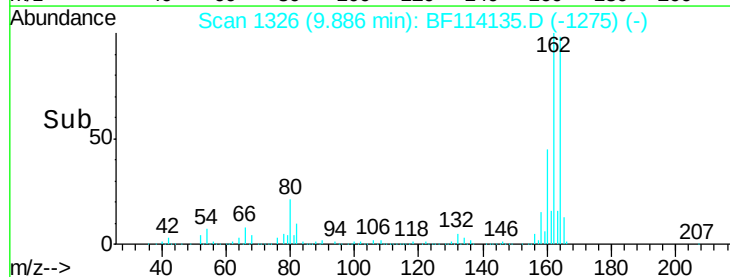
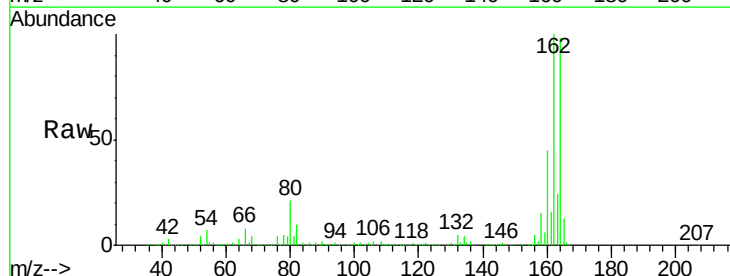
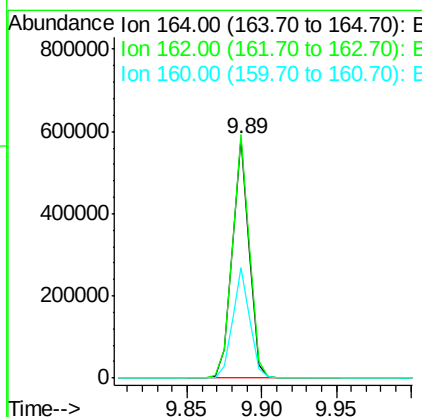
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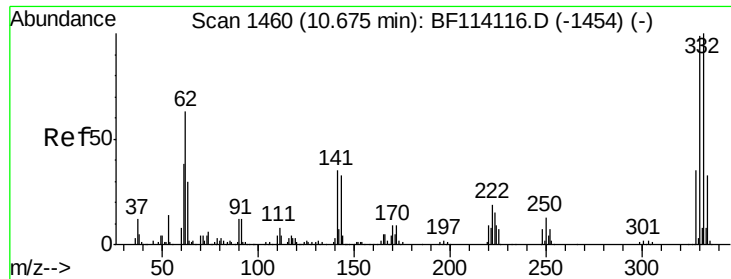
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: BF114135.D
 Acq: 10 May 2019 21:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.6	120.8
160	46.1	36.5	54.7





#42

2,4,6-Tribromophenol

Concen: 118.086 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

Instrument :

BNA_F

ClientSampleId :

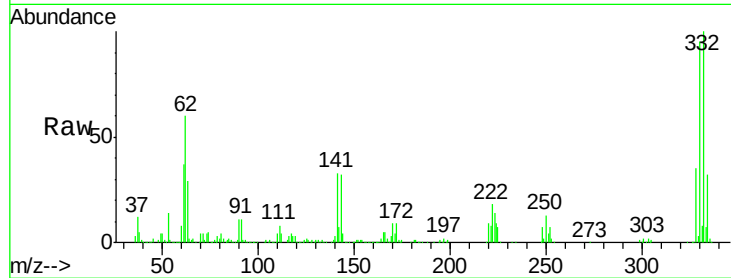
P026-SS002-0612-01

Tgt Ion:	330	Resp:	574816
Ion Ratio	Lower	Upper	
330	100		
332	103.3	81.4	122.2
141	32.1	26.6	40.0

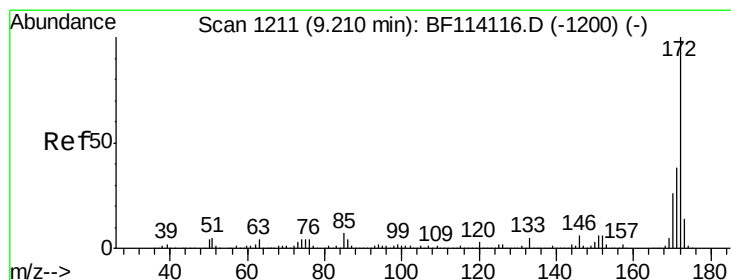
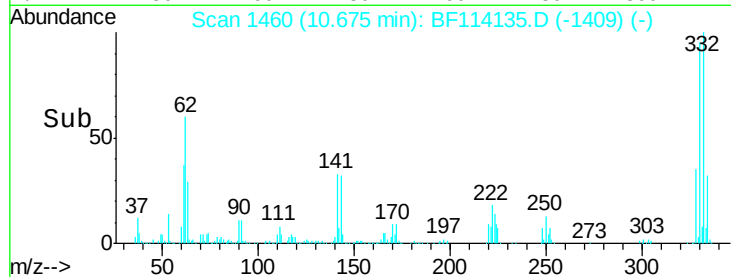
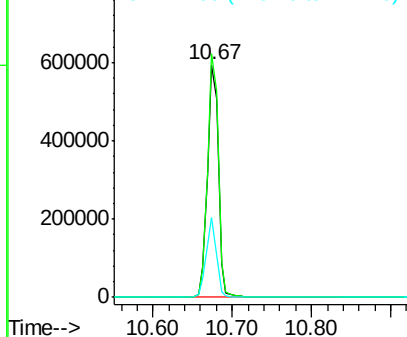
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 85.506 ng

RT: 9.21 min Scan# 1211

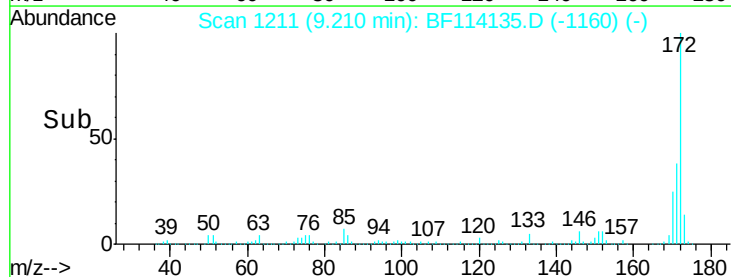
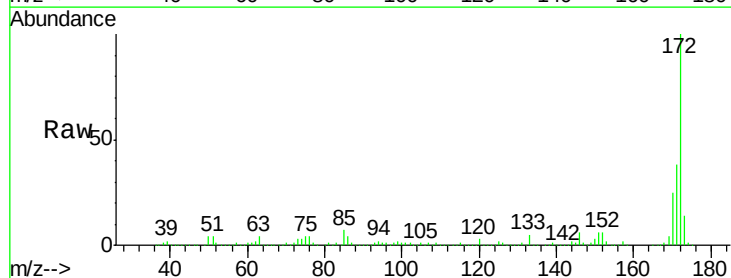
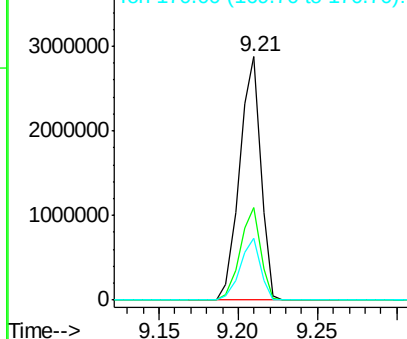
Delta R.T. -0.00 min

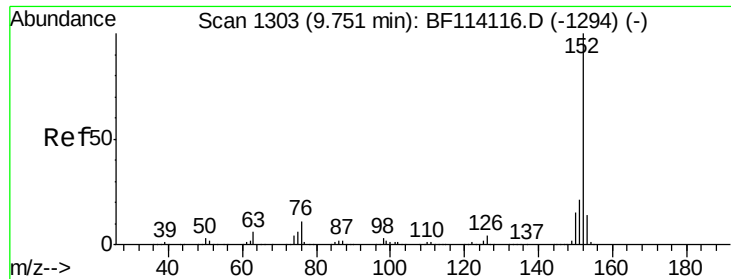
Lab File: BF114135.D

Acq: 10 May 2019 21:54

Tgt Ion:	172	Resp:	2661550
Ion Ratio	Lower	Upper	
172	100		
171	37.8	30.7	46.1
170	25.3	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: 3.748 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

Instrument :

BNA_F

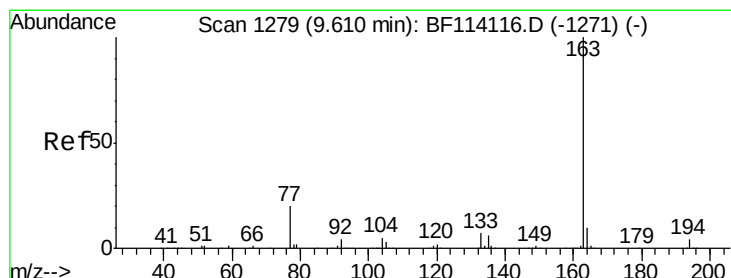
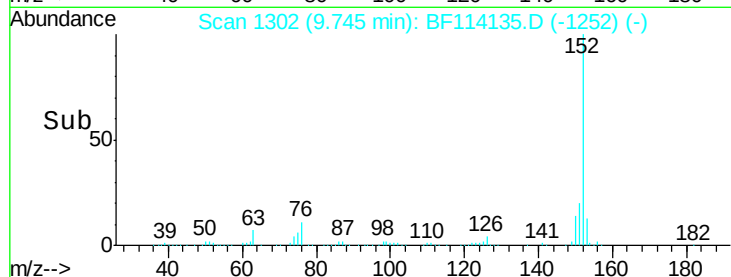
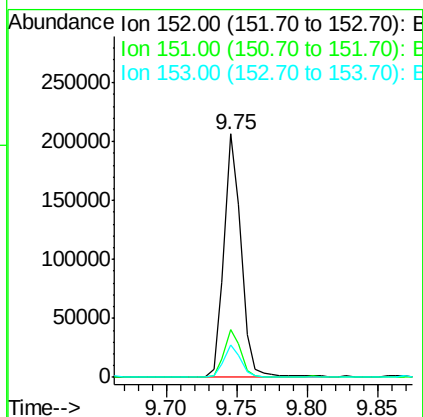
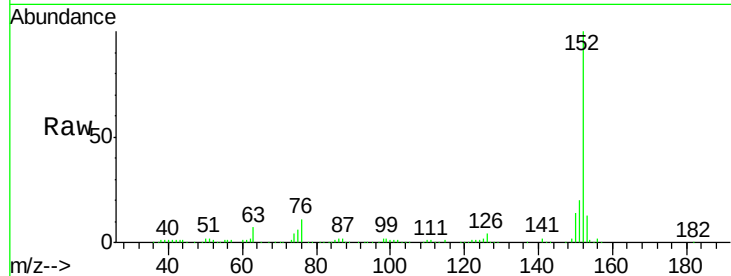
ClientSampleId :

P026-SS002-0612-01

Tgt Ion:	152	Resp:	174489
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.8	25.2
153	13.4	11.4	17.2

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#50

Dimethylphthalate

Concen: 10.059 ng

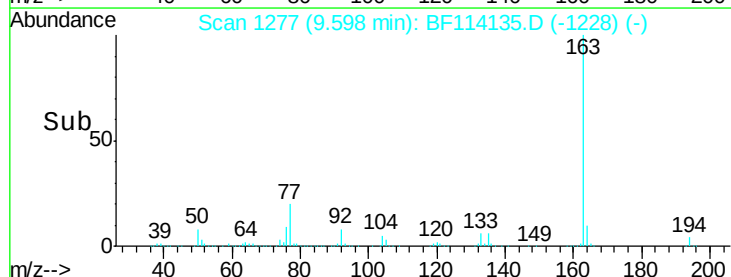
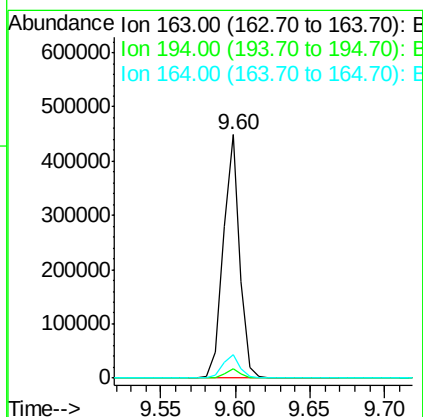
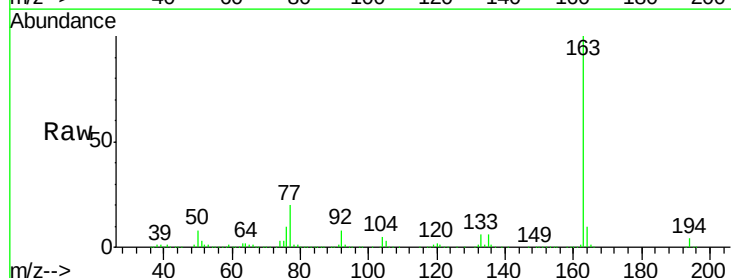
RT: 9.60 min Scan# 1277

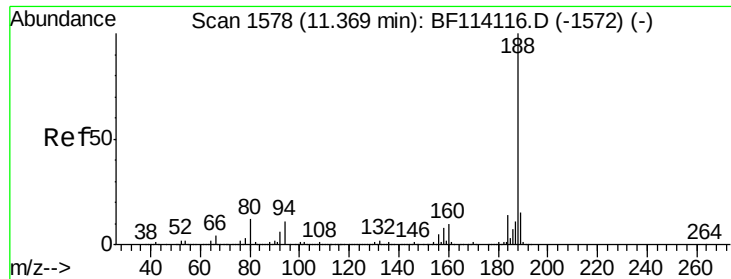
Delta R.T. -0.01 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

Tgt Ion:	163	Resp:	347687
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.4	5.0
164	9.8	8.2	12.2





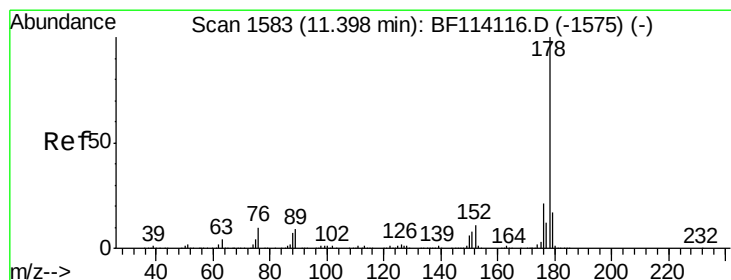
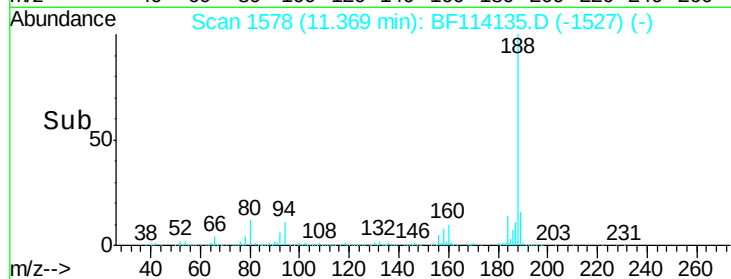
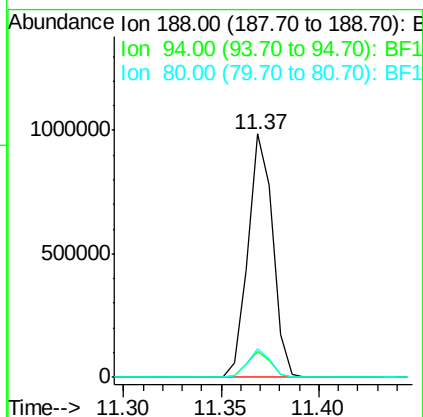
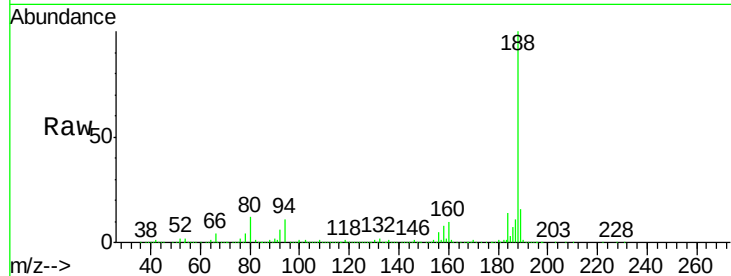
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF114135.D
Acq: 10 May 2019 21:54

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0612-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.8	8.4	12.6
80	11.7	9.2	13.8

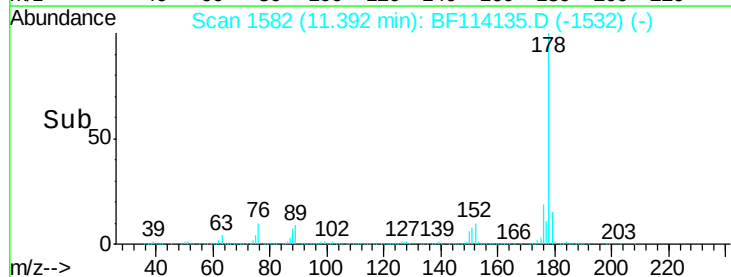
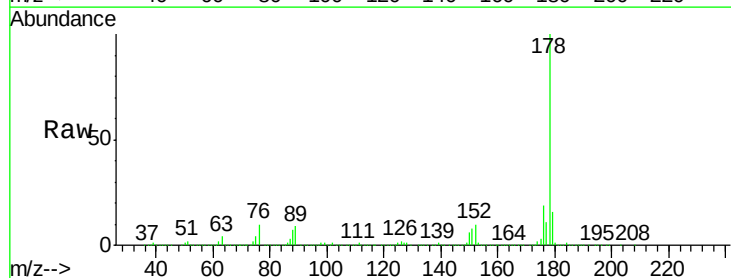
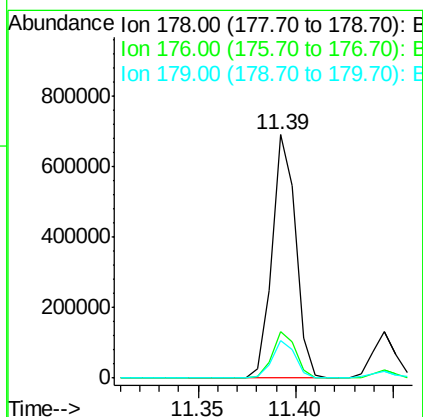
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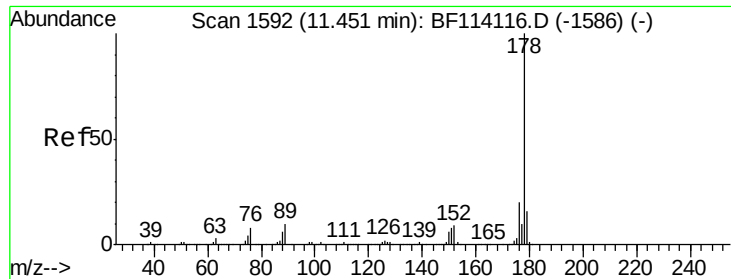
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#71
Phenanthrene
Concen: 13.709 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF114135.D
Acq: 10 May 2019 21:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.0	16.4	24.6
179	15.7	13.2	19.8





#72

Anthracene

Concen: 2.447 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

Instrument :

BNA_F

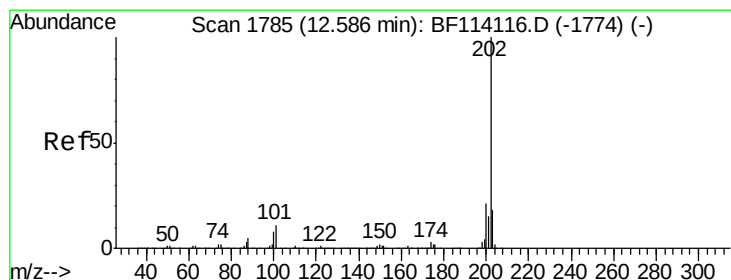
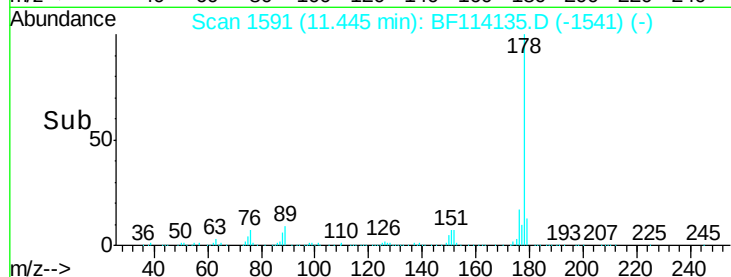
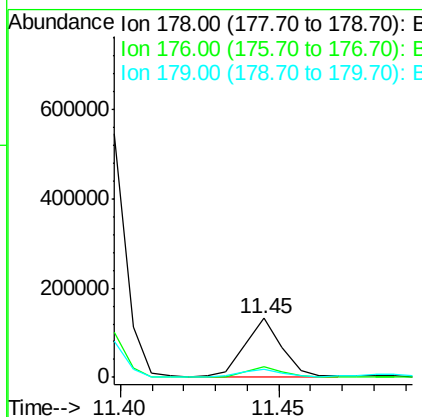
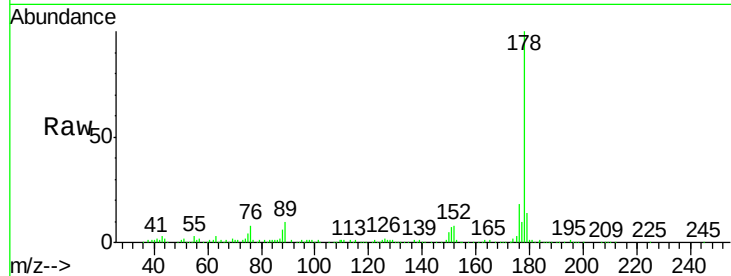
ClientSampleId :

P026-SS002-0612-01

Tgt Ion:	178	Resp:	103743
Ion Ratio	Lower	Upper	
178	100		
176	17.7	15.8	23.8
179	14.4	13.0	19.4

Manual Integrations
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#75

Fluoranthene

Concen: 20.696 ng

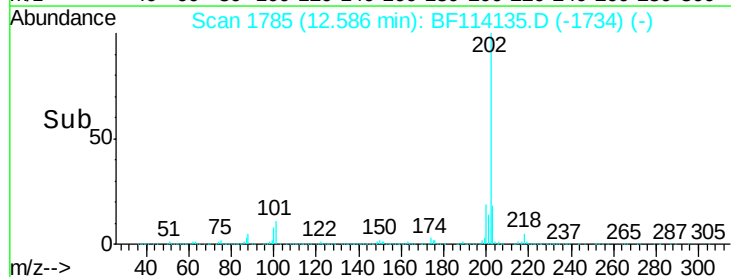
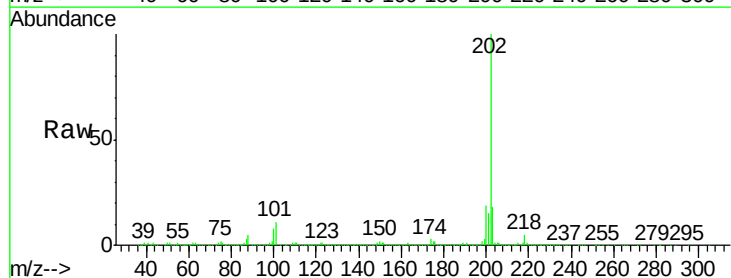
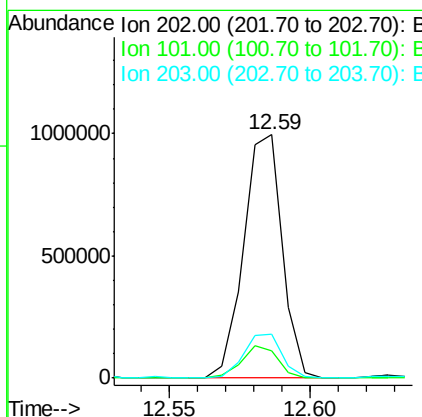
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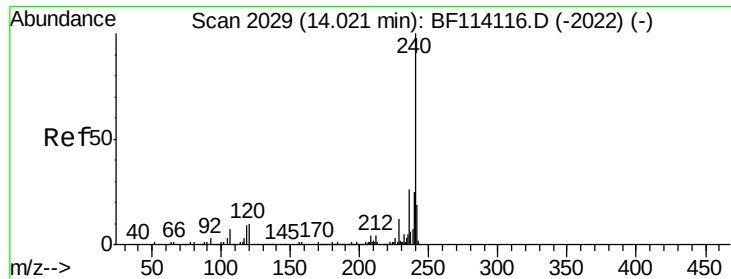
Delta R.T. 0.00 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

Tgt Ion:	202	Resp:	940657
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	31.0
203	18.2	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: BF114135.D

Acq: 10 May 2019 21:54

Instrument :

BNA_F

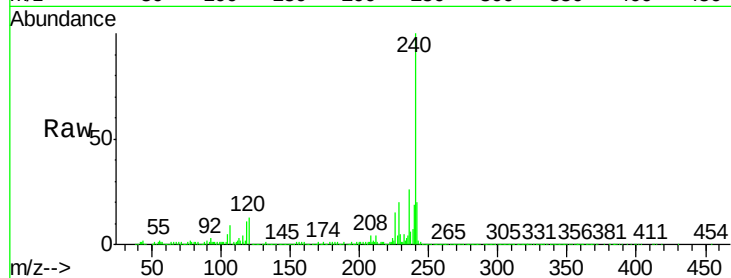
ClientSampleId :

P026-SS002-0612-01

Tgt Ion:	240	Resp:	641877
Ion Ratio	Lower	Upper	
240	100		
120	13.2	8.3	12.5#
236	25.8	20.8	31.2

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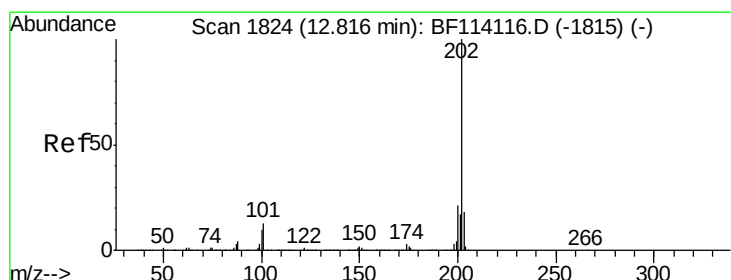
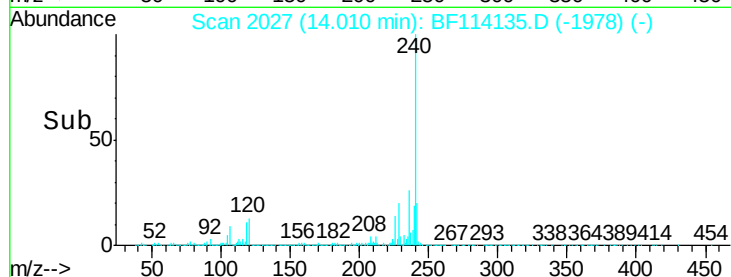
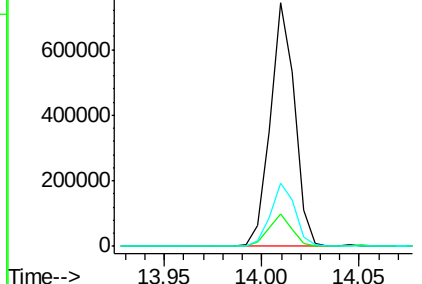
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 32.298 ng

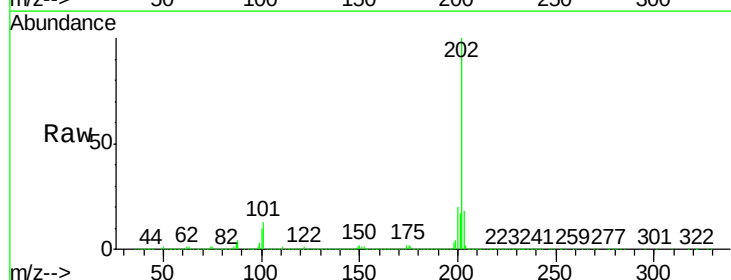
RT: 12.82 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

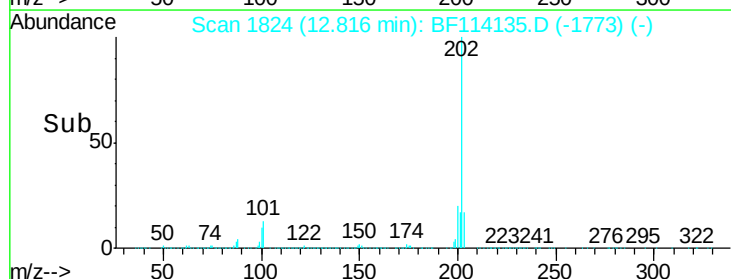
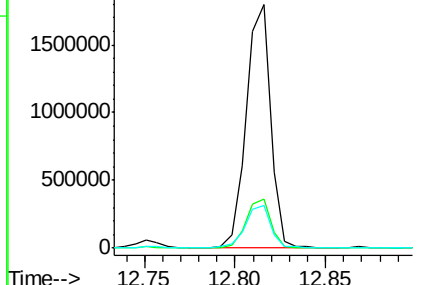
Tgt Ion:	202	Resp:	1667711
Ion Ratio	Lower	Upper	
202	100		
200	20.2	16.9	25.3
203	17.7	14.5	21.7

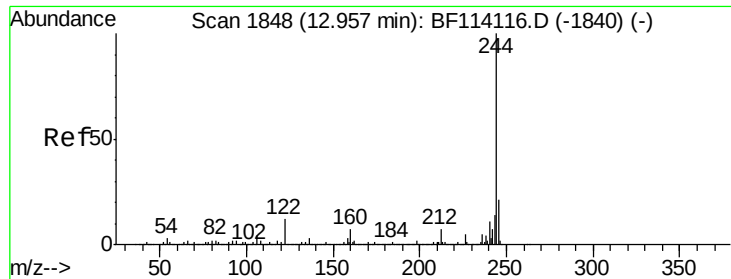


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 77.089 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

Instrument :

BNA_F

ClientSampleId :

P026-SS002-0612-01

Tgt Ion:244 Resp: 2400349

Ion Ratio Lower Upper

244 100

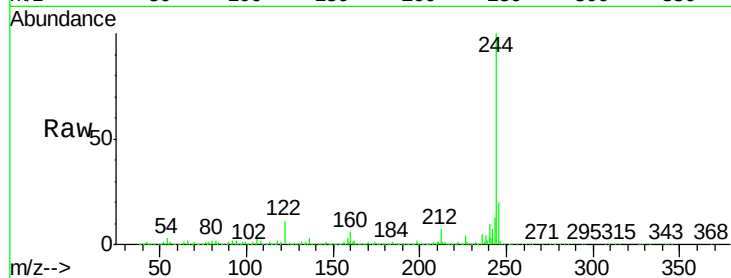
212 6.7 5.8 8.6

122 11.4 9.4 14.2

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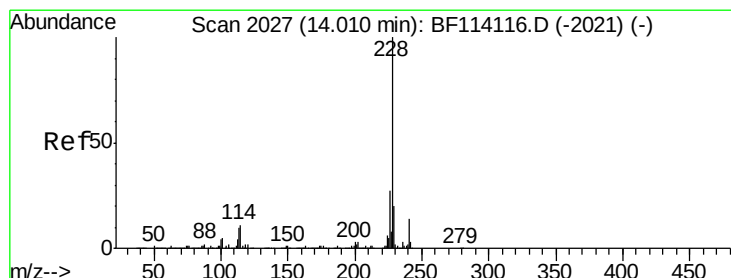
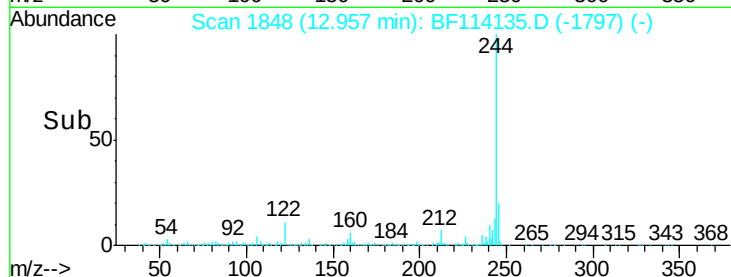
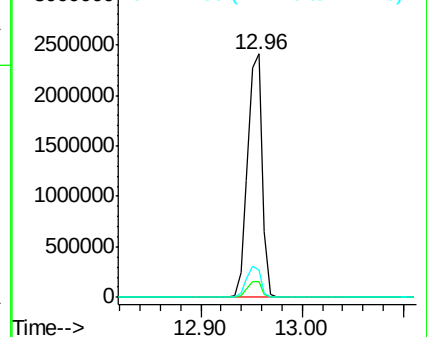
5/13/2019 8:34:25 PM



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: 12.519 ng m

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

Tgt Ion:228 Resp: 519748

Ion Ratio Lower Upper

228 100

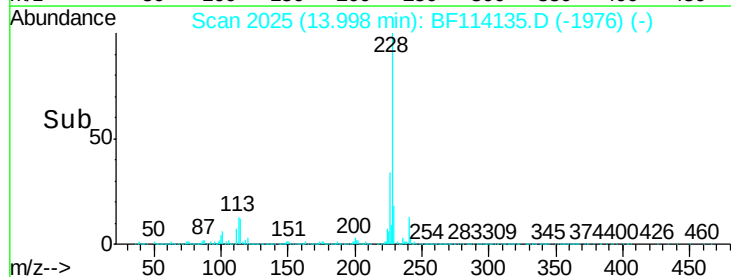
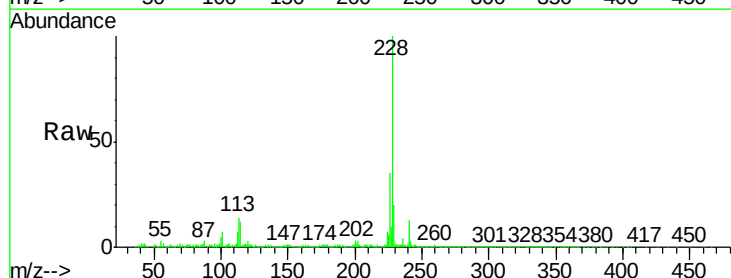
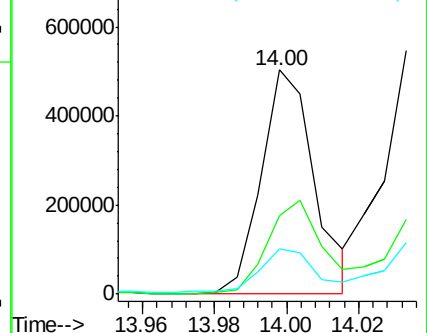
226 35.3 22.2 33.2#

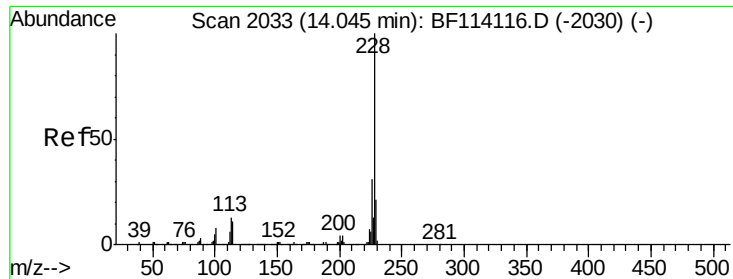
229 20.2 16.4 24.6

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





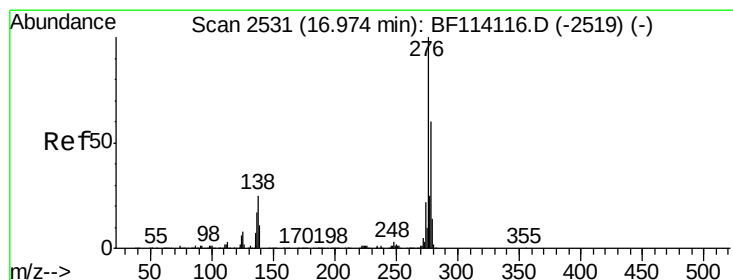
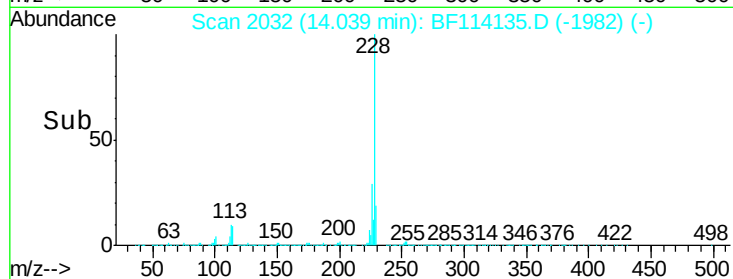
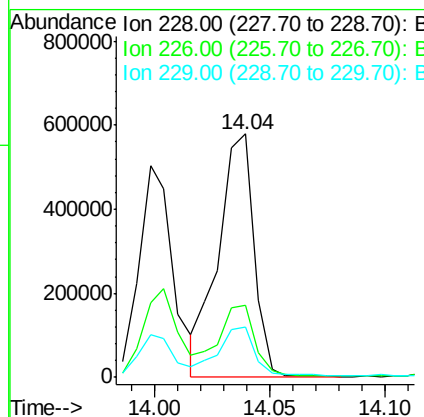
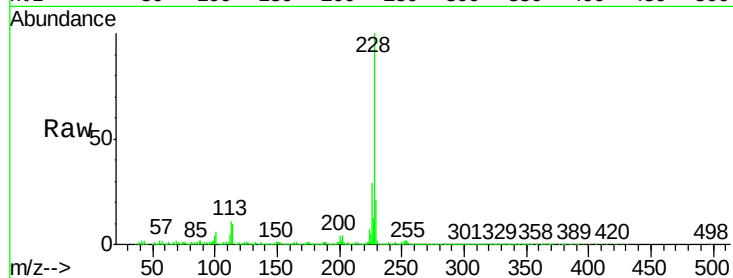
#83
Chrysene
Concen: 15.253 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF114135.D
Acq: 10 May 2019 21:54

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0612-01

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	620746		
226	29.5	25.0	37.6	
229	20.5	17.0	25.6	

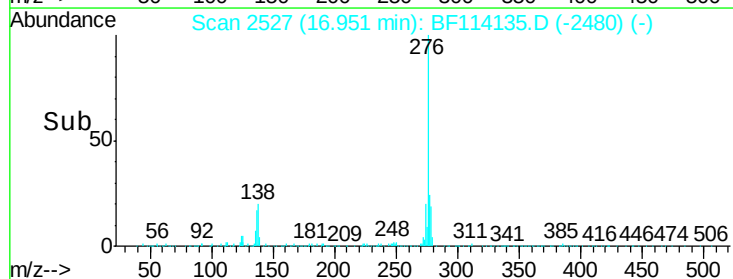
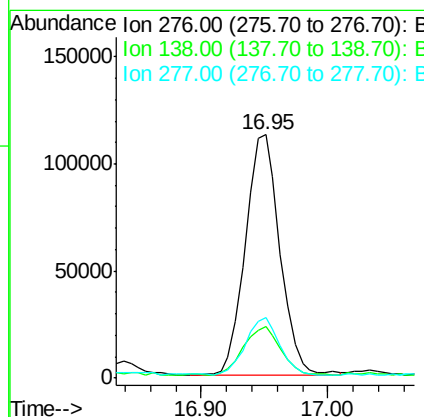
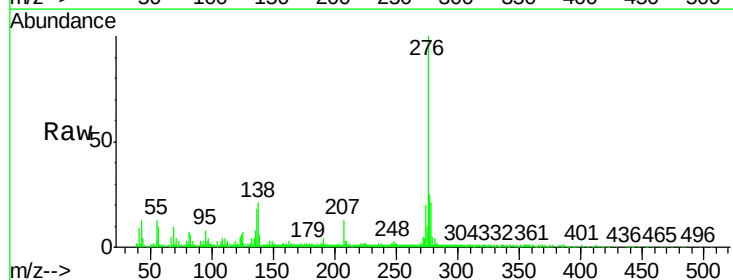
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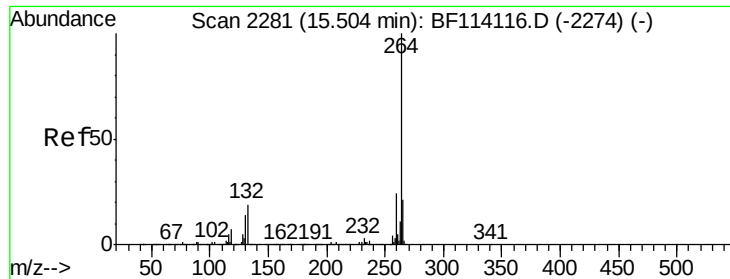
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5/13/2019 8:34:25 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 5.913 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.02 min
Lab File: BF114135.D
Acq: 10 May 2019 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	212694		
138	22.7	20.2	30.2	
277	24.1	20.0	30.0	





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

Instrument :

BNA_F

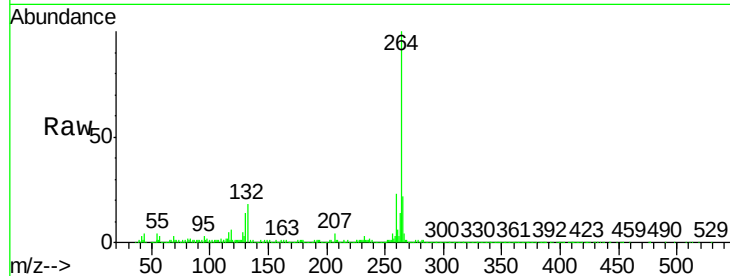
ClientSampleId :

P026-SS002-0612-01

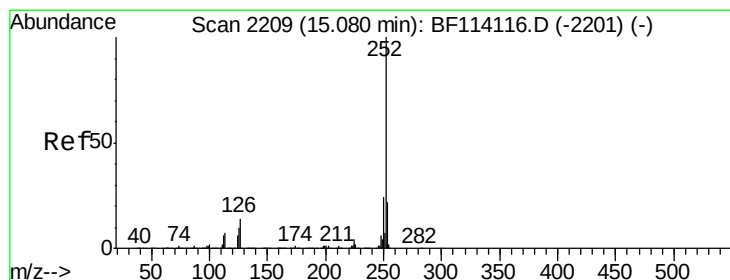
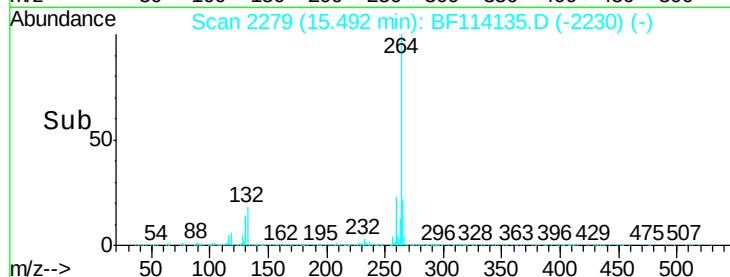
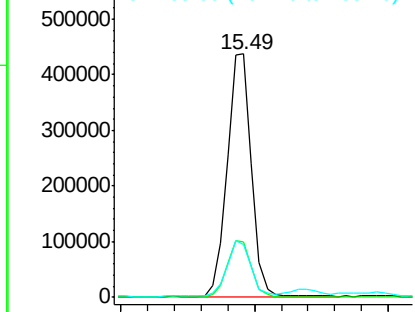
Tgt Ion:	264	Resp:	553997
Ion Ratio		Lower	Upper
264	100		
260	22.7	19.4	29.0
265	22.0	16.9	25.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 14.993 ng m

RT: 15.06 min Scan# 2206

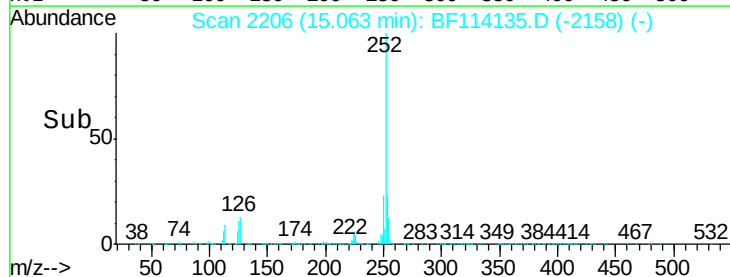
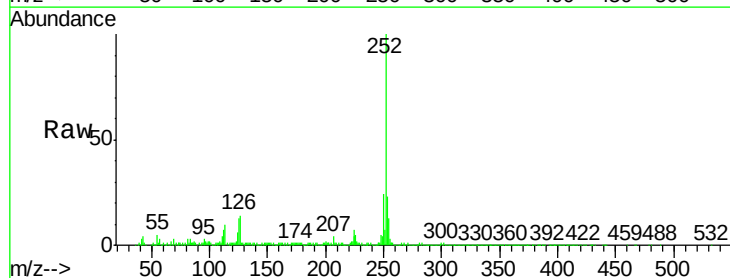
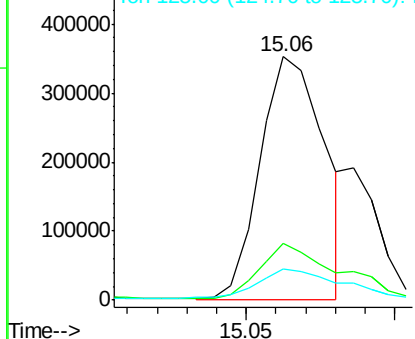
Delta R.T. -0.02 min

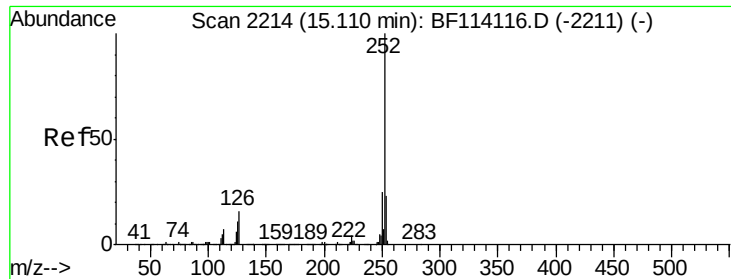
Lab File: BF114135.D

Acq: 10 May 2019 21:54

Tgt Ion:	252	Resp:	532131
Ion Ratio		Lower	Upper
252	100		
253	23.2	17.8	26.8
125	12.6	8.3	12.5#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 4.602 ng m

RT: 15.09 min Scan# 2210

Delta R.T. -0.02 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

Instrument :

BNA_F

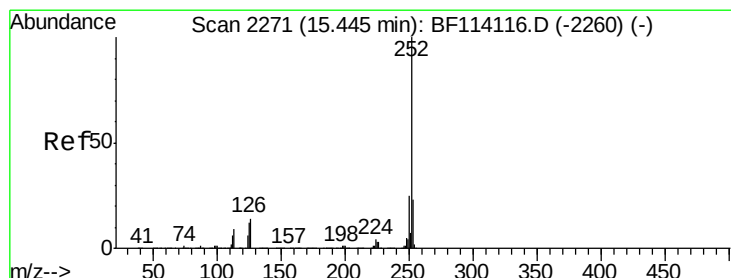
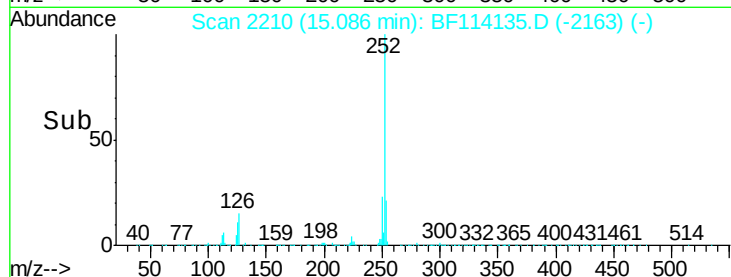
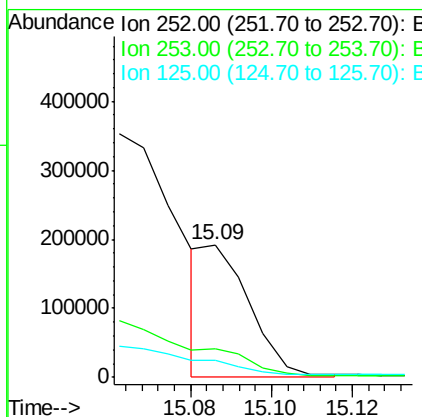
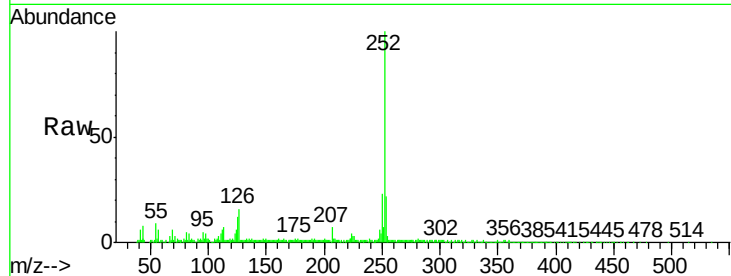
ClientSampleId :

P026-SS002-0612-01

Tgt Ion:	252	Resp:	150044
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.2	27.2
125	12.5	8.6	13.0

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#90

Benzo(a)pyrene

Concen: 10.188 ng

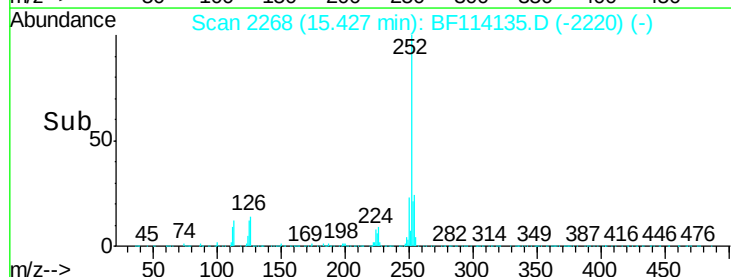
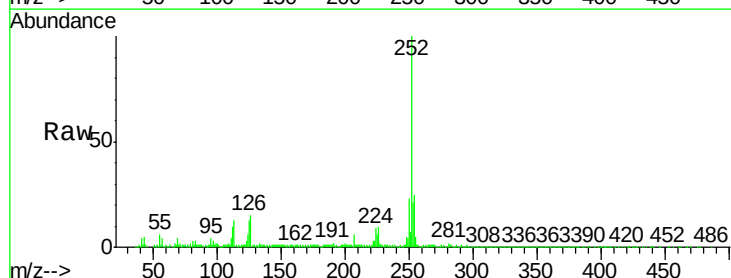
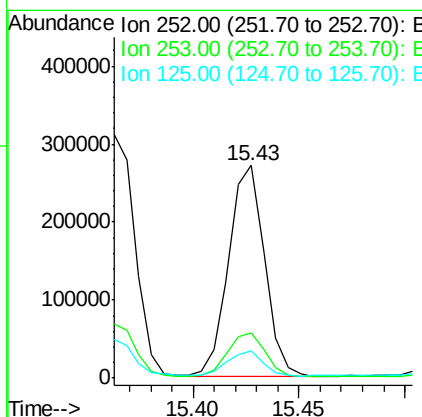
RT: 15.43 min Scan# 2268

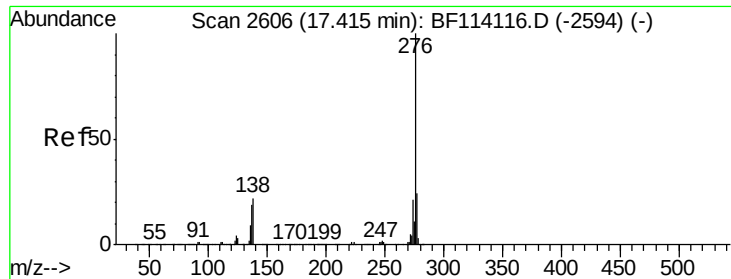
Delta R.T. -0.02 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

Tgt Ion:	252	Resp:	318231
Ion Ratio	Lower	Upper	
252	100		
253	21.3	18.1	27.1
125	12.8	9.5	14.3





#92
 Benzo(g,h,i)perylene
 Concen: 9.347 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. -0.02 min
 Lab File: BF114135.D
 Acq: 10 May 2019 21:54

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS002-0612-01

Tgt Ion:	276	Resp:	243131
Ion Ratio		Lower	Upper
276	100		
277	25.8	19.0	28.4
138	22.7	17.8	26.6

Manual Integrations
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 5/13/2019 8:34:25 PM

