

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
 Data File : BF114204.D
 Acq On : 12 May 2019 20:24
 Operator : JU/SJ
 Sample : K2766-20 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS009-0612-01

Manual Integrations
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 5/13/2019 8:37:39 PM

Quant Time: May 13 10:28:13 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	262010	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	996857	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	452930	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	814305	20.00	ng	0.00
76) Chrysene-d12	14.01	240	565308	20.00	ng	-0.01
87) Perylene-d12	15.48	264	608036	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	423857	26.03	ng	0.00
7) Phenol-d6	6.49	99	569091	29.55	ng	0.00
23) Nitrobenzene-d5	7.41	82	319410	17.98	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	115836	24.74	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	588071	19.64	ng	0.00
79) Terphenyl-d14	12.95	244	466126	17.00	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Acenaphthylene	9.75	152	109797	2.451	ng	97
50) Dimethylphthalate	9.60	163	72881	2.192	ng	# 99
71) Phenanthrene	11.39	178	223132	5.632	ng	97
75) Fluoranthene	12.58	202	422051	9.893	ng	95
78) Pyrene	12.82	202	749162	16.474	ng	98
81) Benzo(a)anthracene	14.00	228	316268m	8.650	ng	
83) Chrysene	14.03	228	349495	9.751	ng	97
86) Indeno(1,2,3-cd)pyrene	16.94	276	181410	5.727	ng	95
88) Benzo(b)fluoranthene	15.06	252	438117m	11.247	ng	
89) Benzo(k)fluoranthene	15.07	252	82759m	2.313	ng	
90) Benzo(a)pyrene	15.42	252	250949	7.320	ng	99
92) Benzo(a,h,i)perylene	17.39	276	208639	7.308	ng	98

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

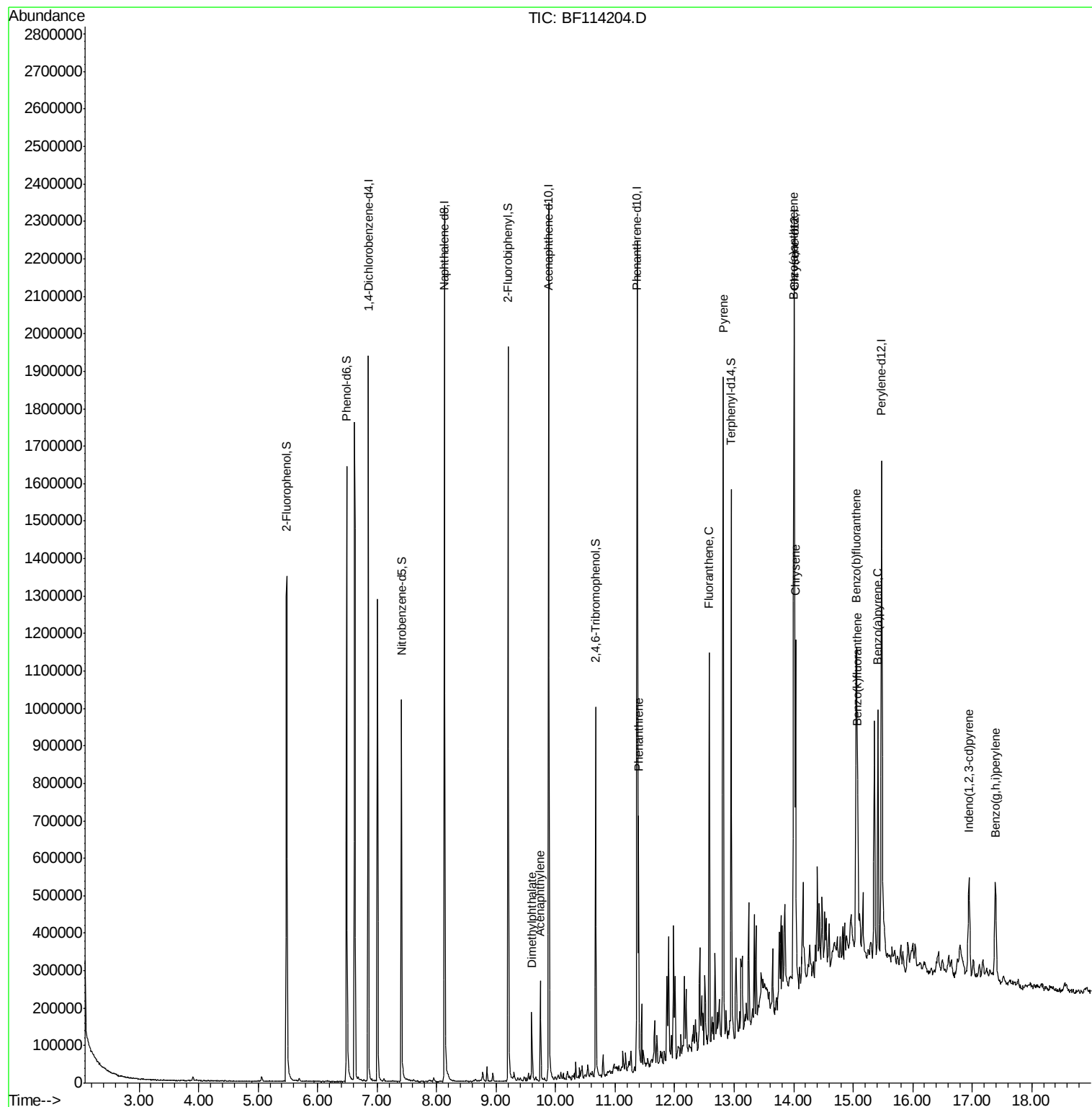
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114204.D
Acq On : 12 May 2019 20:24
Operator : JU/SJ
Sample : K2766-20 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

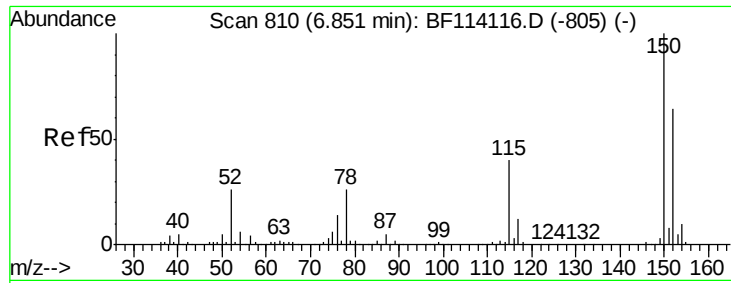
Instrument :
BNA_F
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P026-SS009-0612-01

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Quant Time: May 13 10:28:13 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

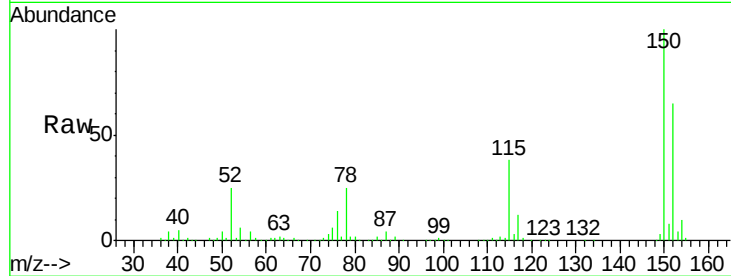
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0612-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.3	186.5
115	59.2	49.1	73.7

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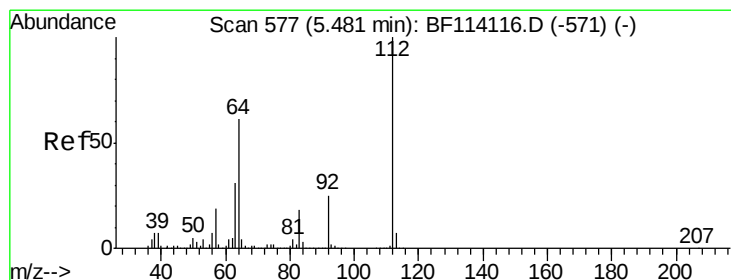
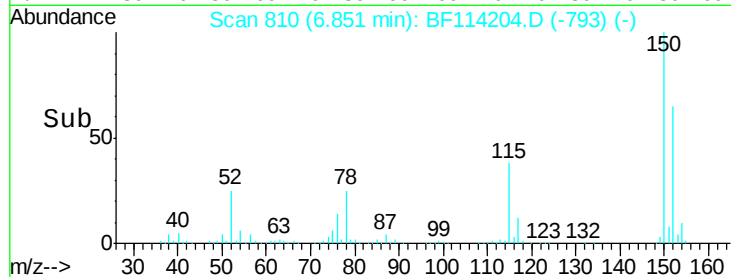
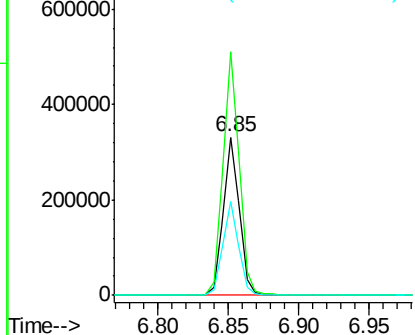


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

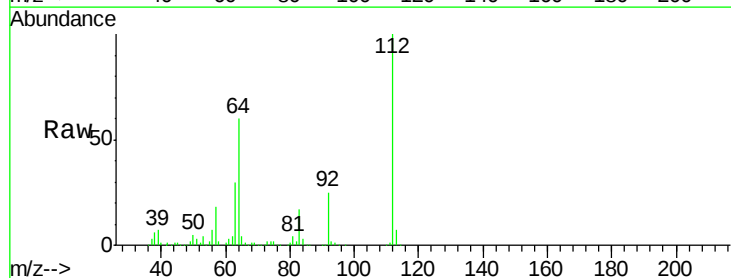
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 26.033 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	49.0	73.6
63	29.5	24.6	37.0

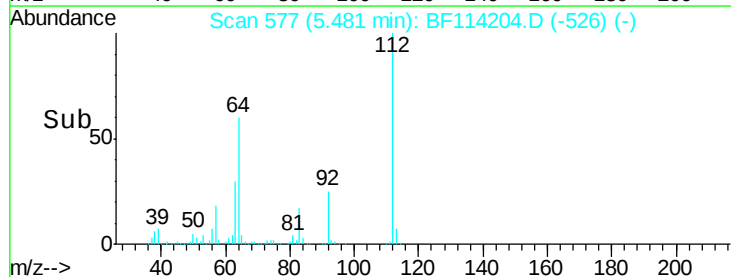
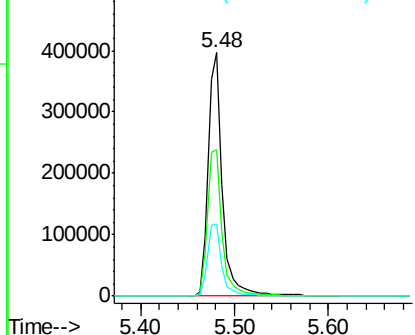


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 29.553 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

Instrument :

BNA_F

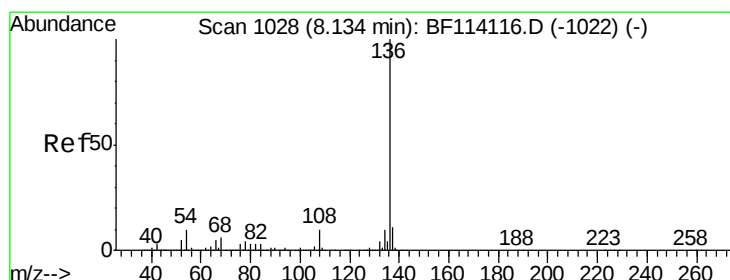
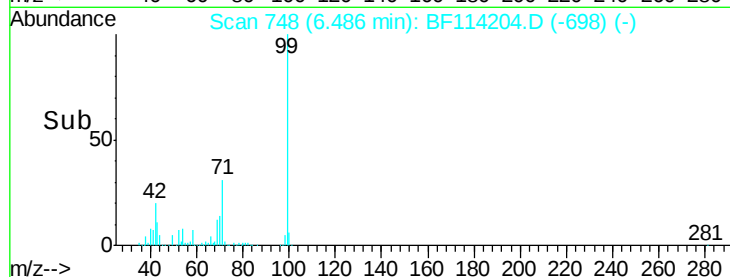
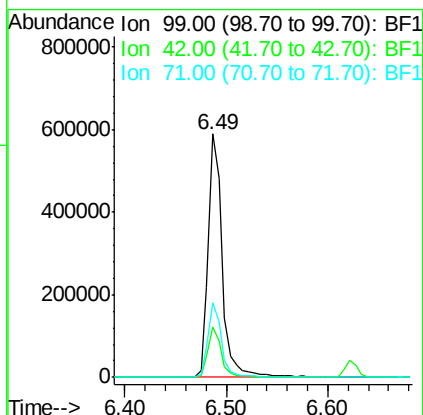
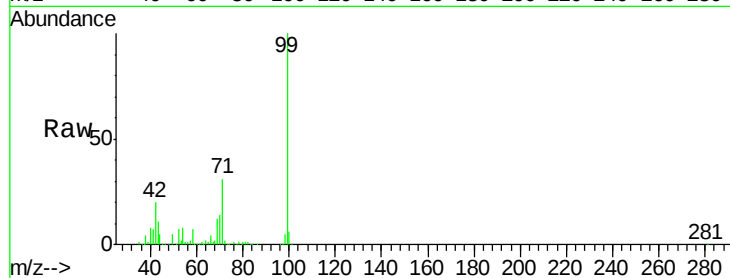
ClientSampleId :

P026-SS009-0612-01

Tot Ion:	99	Resp:	569091
Ion	Ratio	Lower	Upper
99	100		
42	20.5	17.9	26.9
71	30.8	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

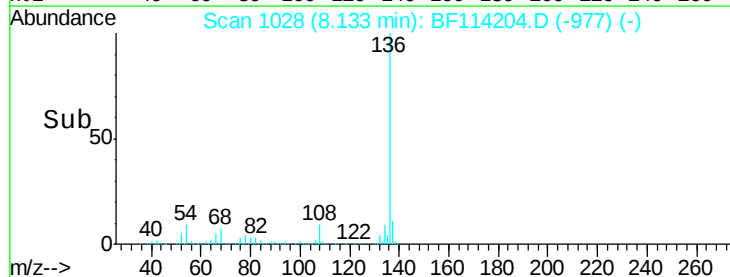
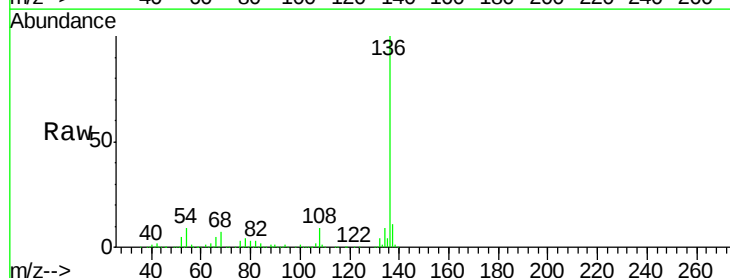
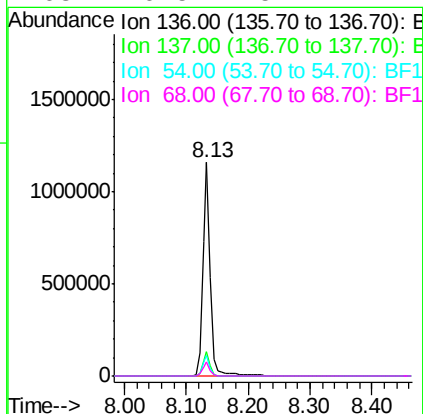
RT: 8.13 min Scan# 1028

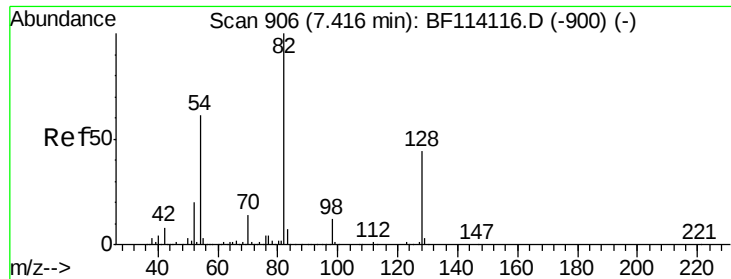
Delta R.T. -0.00 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

Tgt Ion:	136	Resp:	996857
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	9.4	7.8	11.8
68	6.5	5.1	7.7





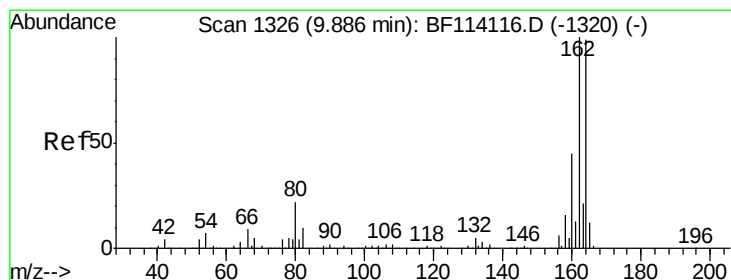
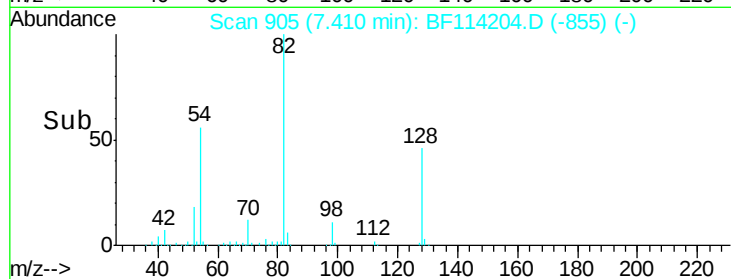
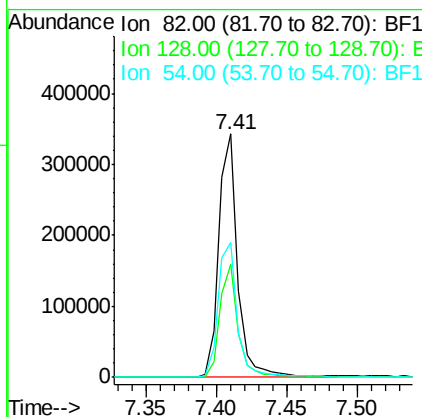
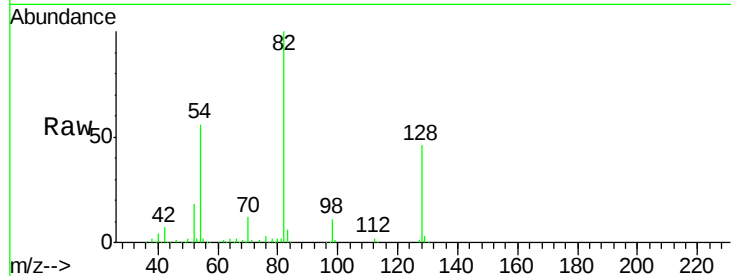
#23
 Nitrobenzene-d5
 Concen: 17.982 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF114204.D
 Acq: 12 May 2019 20:24

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS009-0612-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	35.5	53.3
54	55.5	48.5	72.7

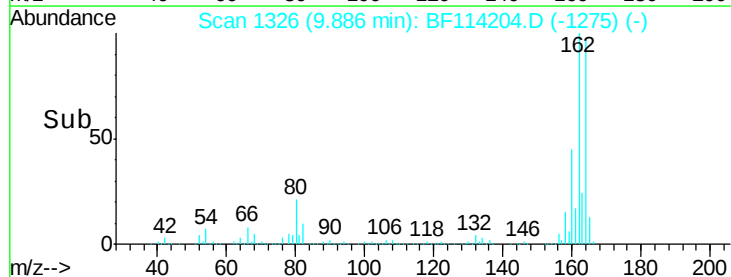
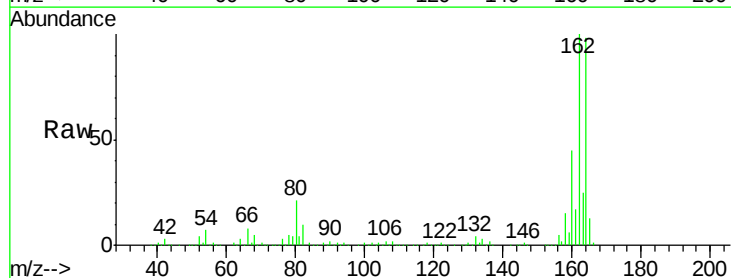
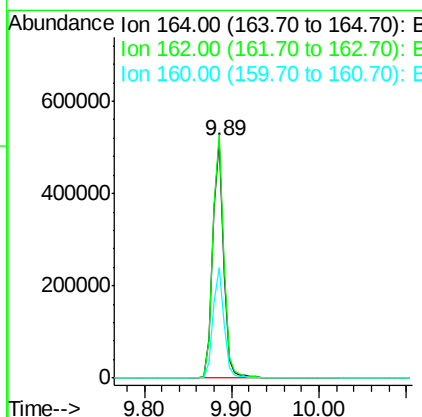
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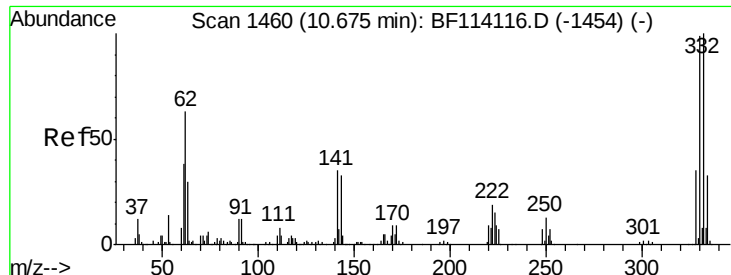
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: BF114204.D
 Acq: 12 May 2019 20:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.6	120.8
160	46.5	36.5	54.7





#42

2,4,6-Tribromophenol

Concen: 24.738 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

Instrument :

BNA_F

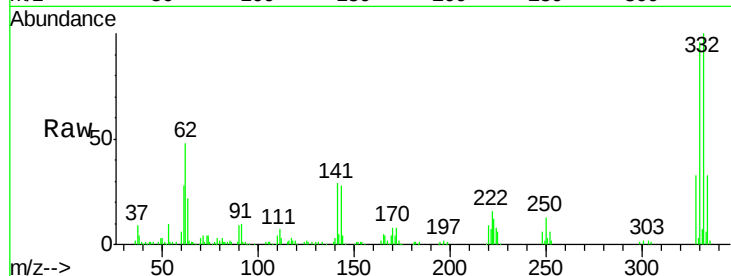
ClientSampleId :

P026-SS009-0612-01

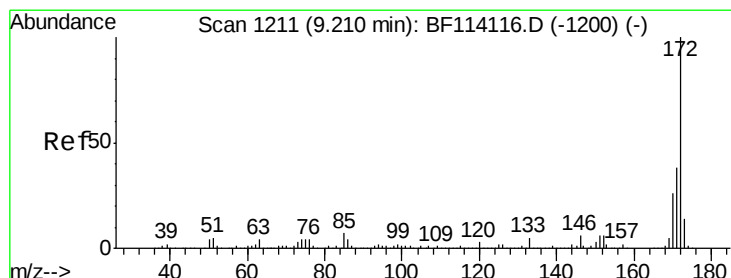
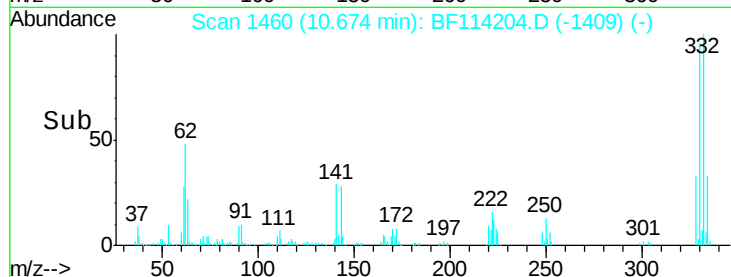
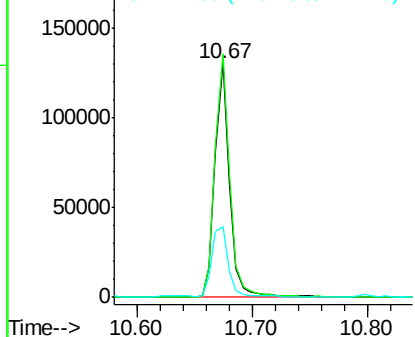
Tot Ion:	330	Resp:	115836
Ion Ratio	Lower	Upper	
330	100		
332	104.4	81.4	122.2
141	33.6	26.6	40.0

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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: 19.640 ng

RT: 9.20 min Scan# 1210

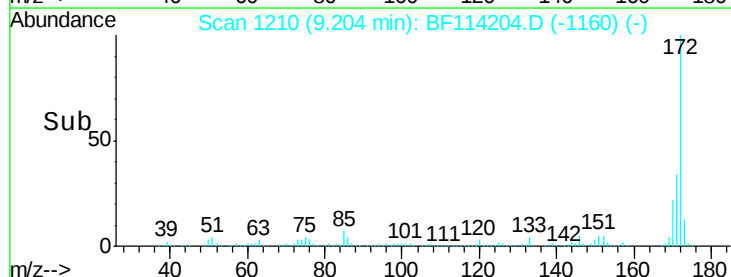
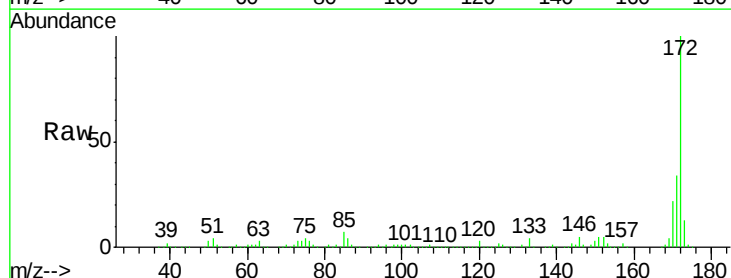
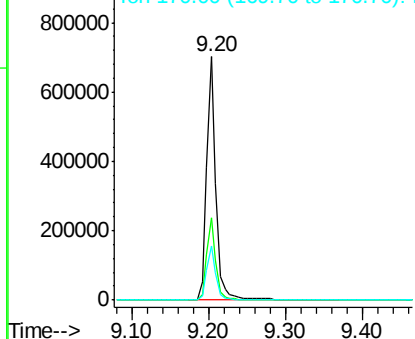
Delta R.T. -0.01 min

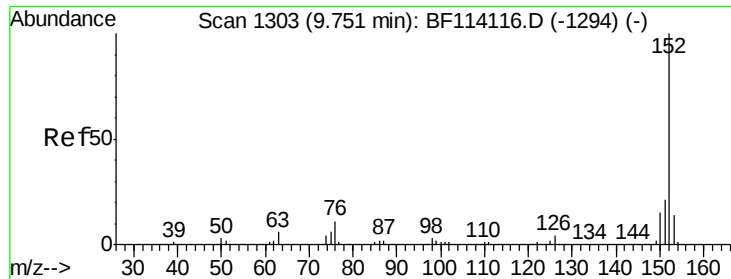
Lab File: BF114204.D

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Tgt Ion:	172	Resp:	588071
Ion Ratio	Lower	Upper	
172	100		
171	33.8	30.7	46.1
170	22.4	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: 2.451 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

Instrument :

BNA_F

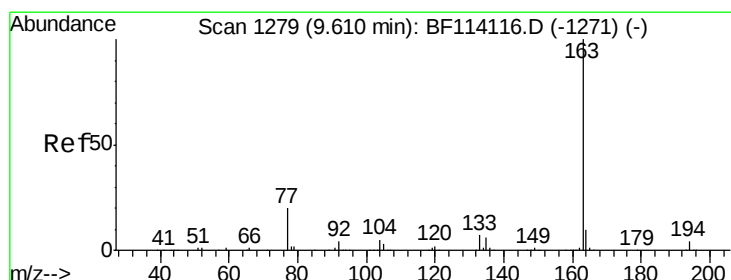
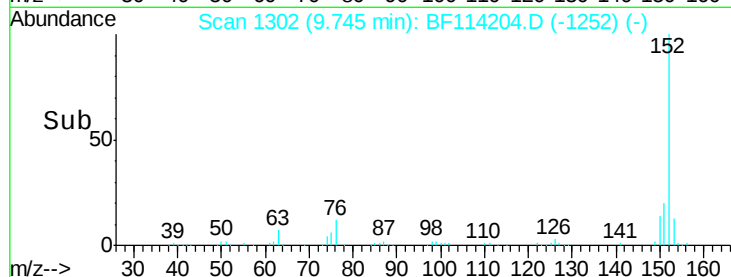
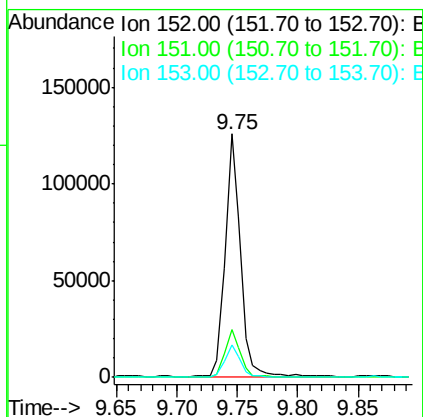
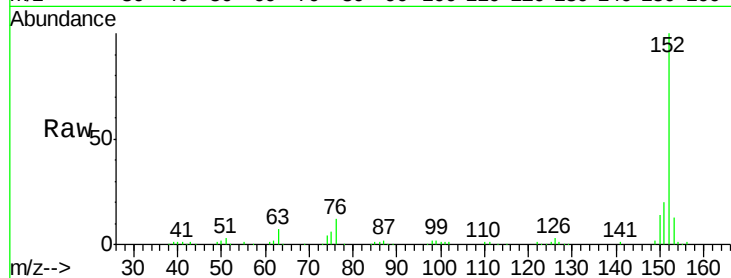
ClientSampleId :

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Tot Ion:	152	Resp:	109797
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.8	25.2
153	13.1	11.4	17.2

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#50

Dimethylphthalate

Concen: 2.192 ng

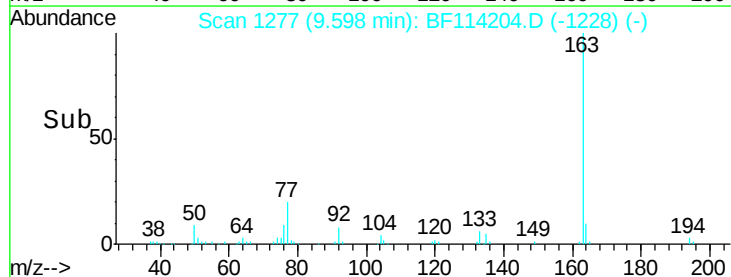
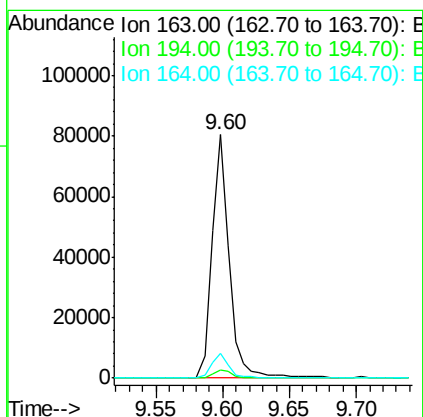
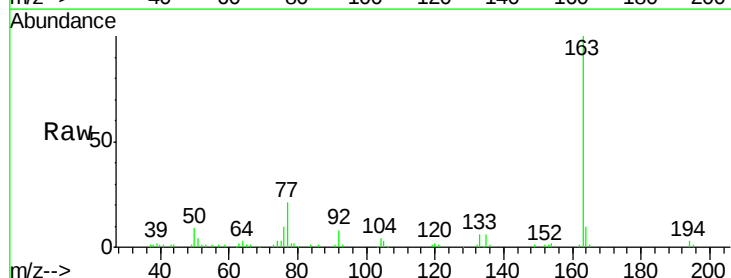
RT: 9.60 min Scan# 1277

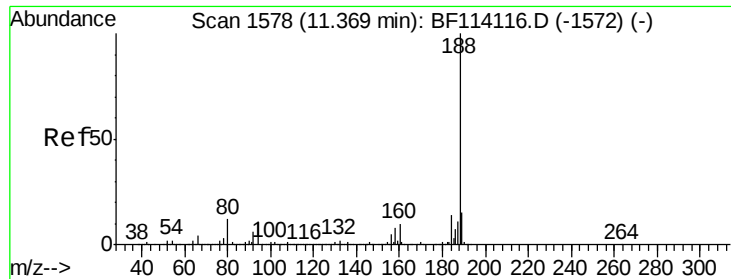
Delta R.T. -0.01 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

Tgt Ion:	163	Resp:	72881
Ion Ratio	Lower	Upper	
163	100		
194	3.3	3.4	5.0#
164	10.1	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: BF114204.D

Acq: 12 May 2019 20:24

Instrument :

BNA_F

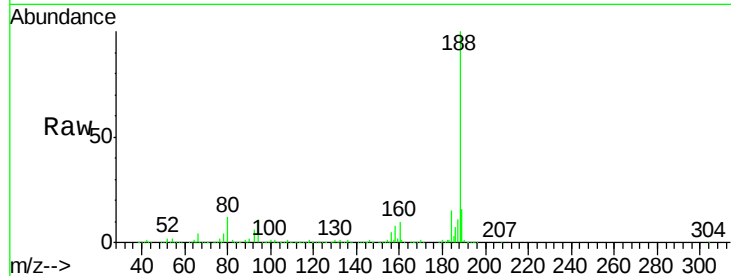
ClientSampleId :

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Tot Ion:	188	Resp:	814305
Ion Ratio	Lower	Upper	
188	100		
94	11.1	8.4	12.6
80	12.0	9.2	13.8

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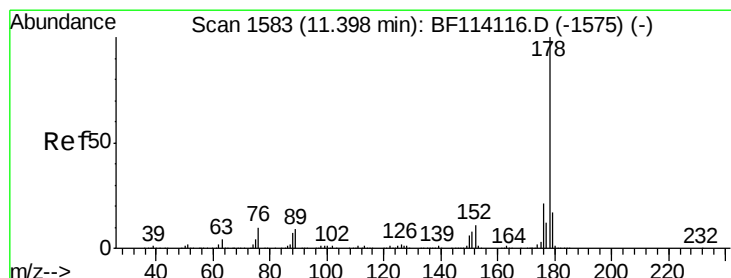
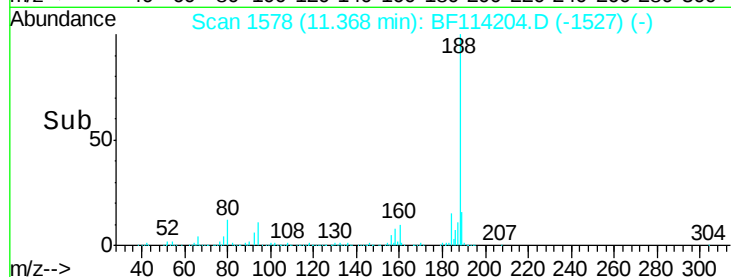
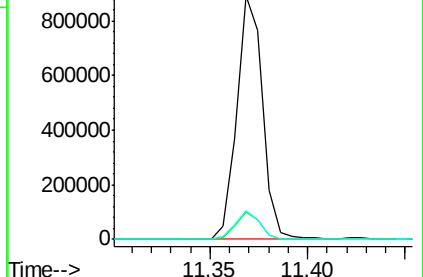
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 5.632 ng

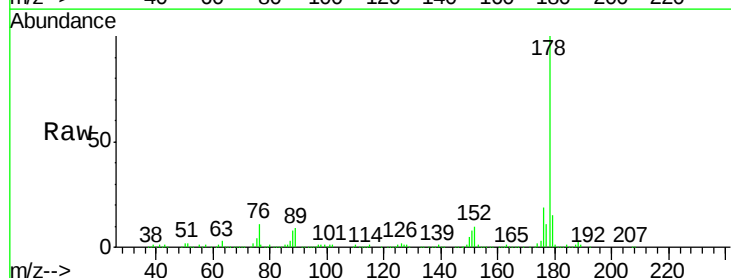
RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

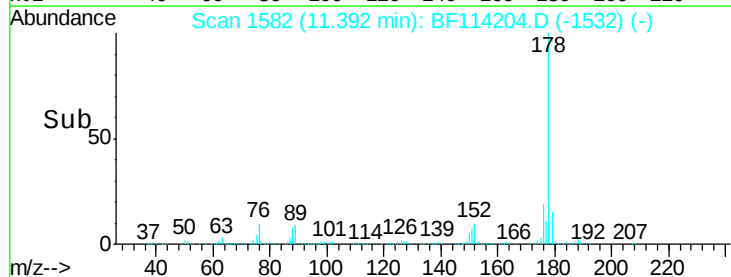
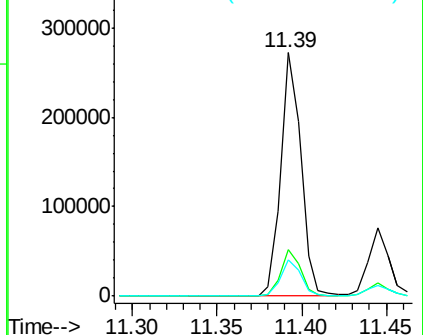
Tgt Ion:	178	Resp:	223132
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.4	24.6
179	15.0	13.2	19.8

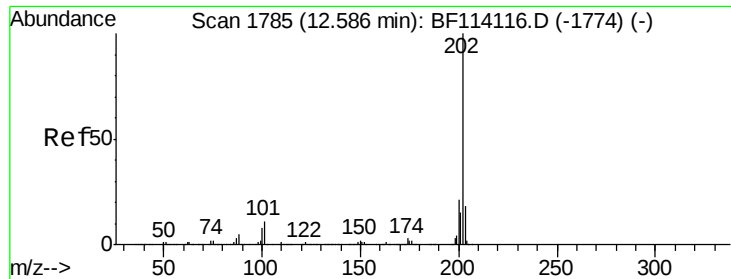


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 9.893 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

Instrument :

BNA_F

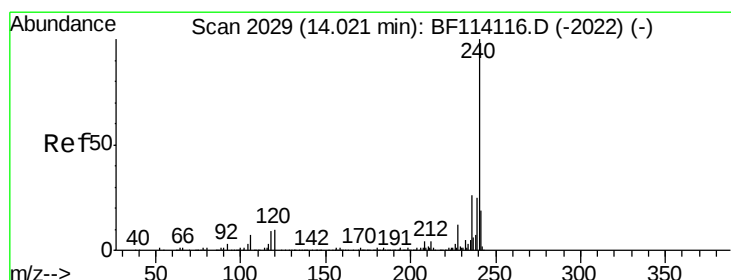
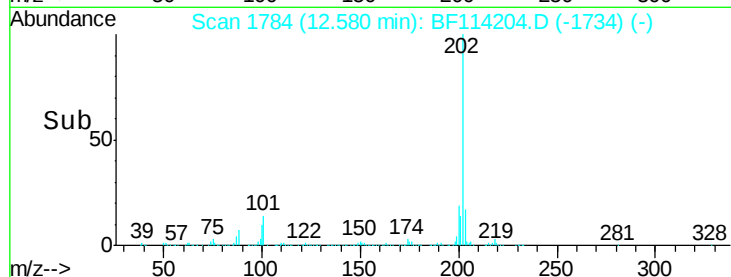
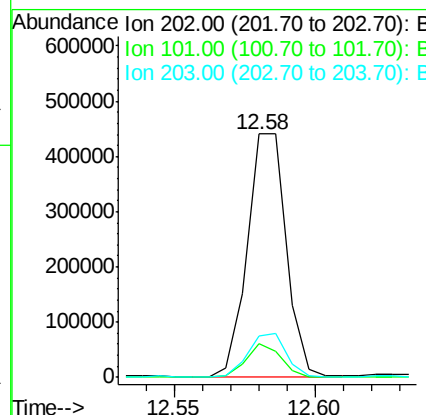
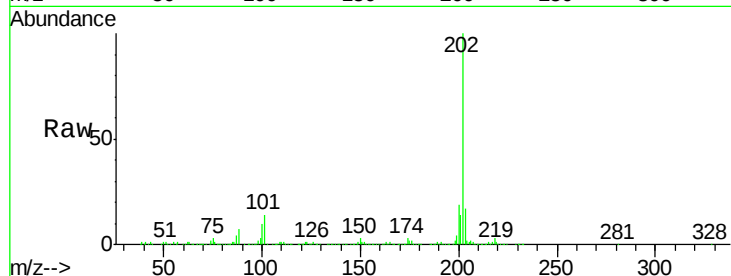
ClientSampleId :

P026-SS009-0612-01

Tot Ion	Ratio	Resp	Lower	Upper
202	100	422051		
101	13.7	0.0	31.0	
203	17.1	0.0	38.4	

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#76

Chrysene-d12

Concen: 20.000 ng

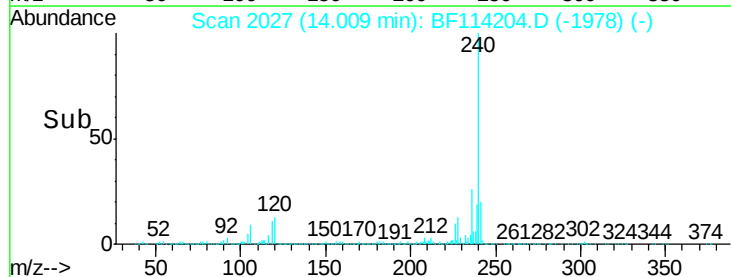
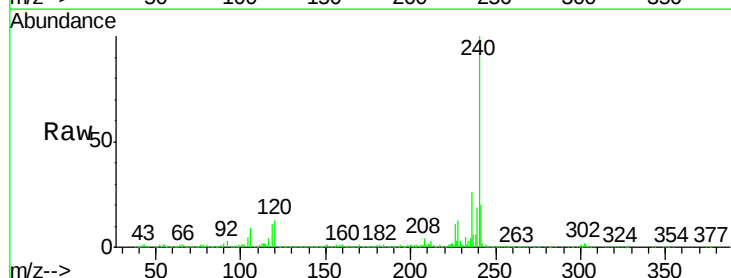
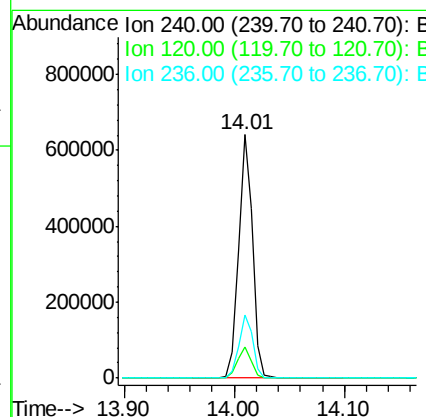
RT: 14.01 min Scan# 2027

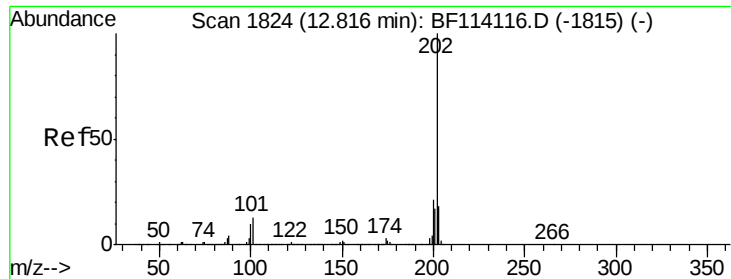
Delta R.T. -0.01 min

Lab File: BF114204.D

Acq: 12 May 2019 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	565308		
120	13.0	8.3	12.5#	
236	25.8	20.8	31.2	





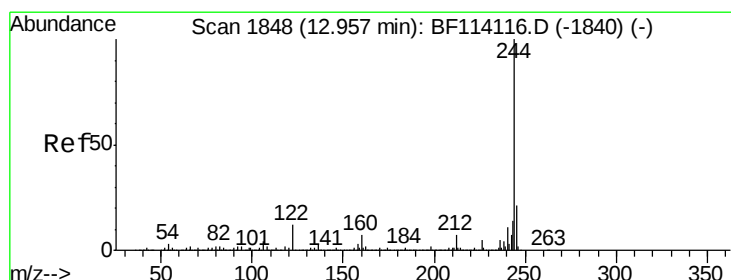
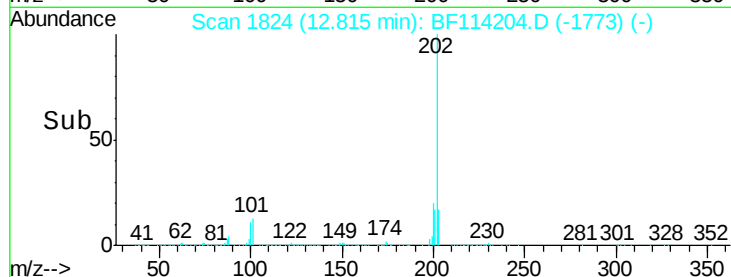
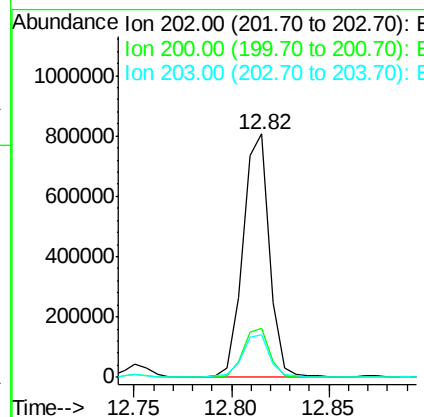
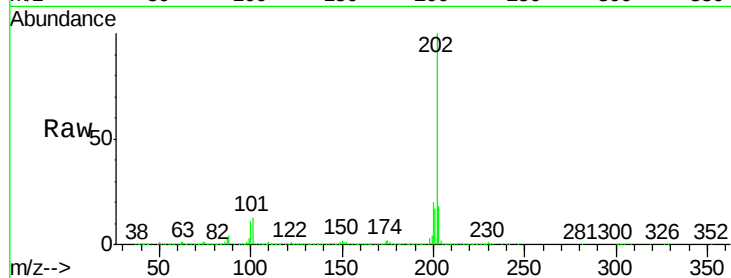
#78
Pvrene
Concen: 16.474 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0612-01

Tot Ion	Ratio	Resp	Lower	Upper
202	100	749162		
200	20.1		16.9	25.3
203	17.7		14.5	21.7

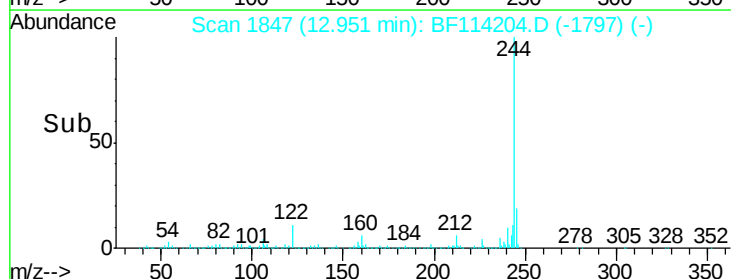
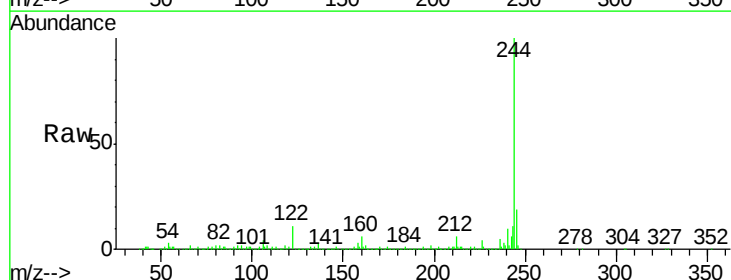
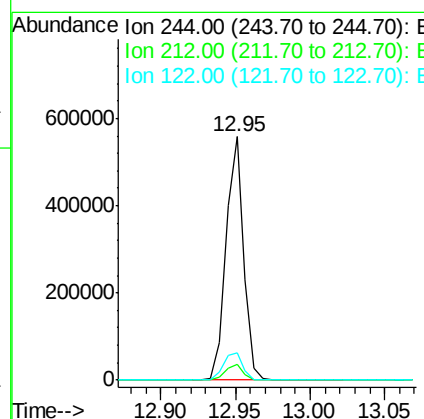
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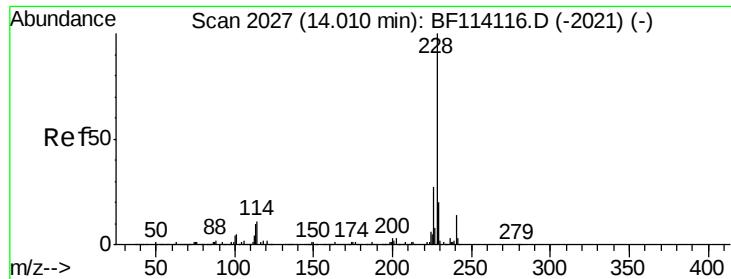
Sohil
5/13/2019 8:37:39 PM



#79
Terphenyl-d14
Concen: 16.998 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	466126		
212	6.3		5.8	8.6
122	11.3		9.4	14.2





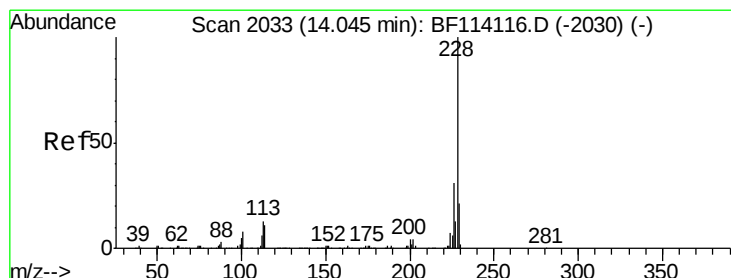
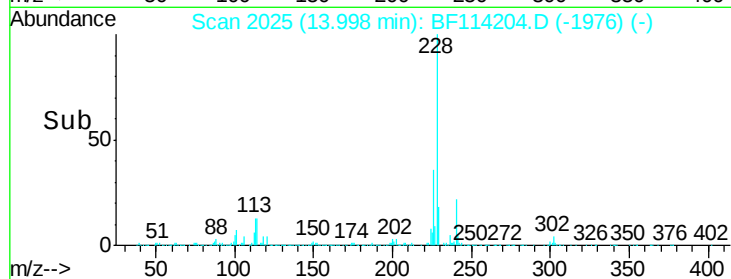
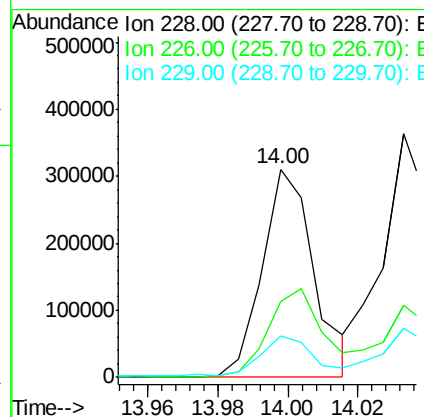
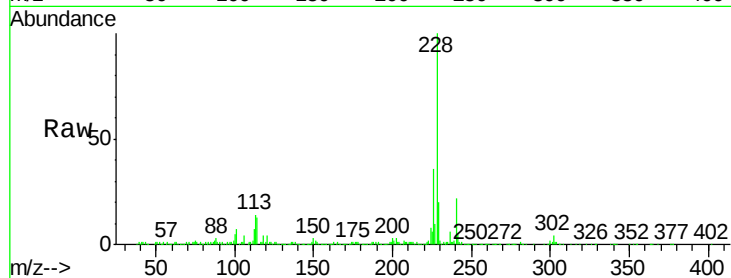
#81
Benzo(a)anthracene
Concen: 8.650 ng m
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0612-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.5	22.2	33.2
229	19.8	16.4	24.6

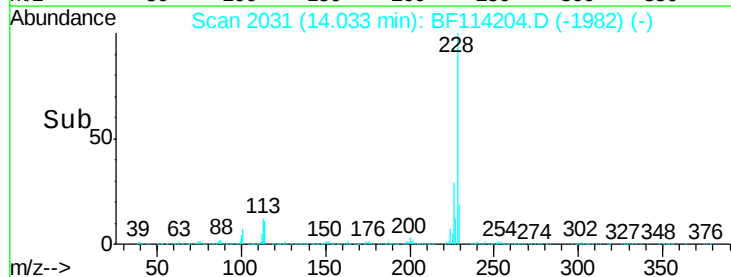
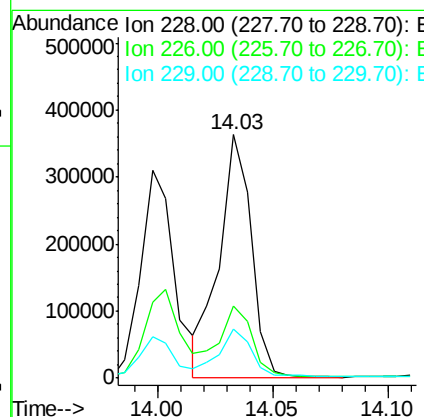
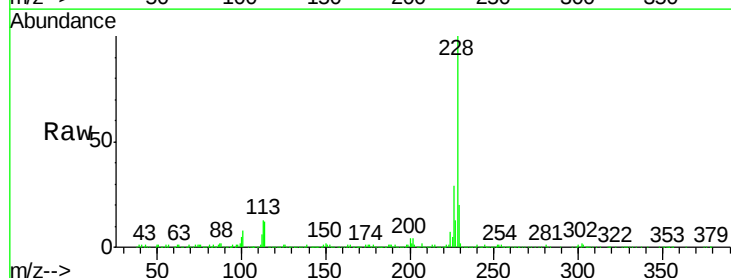
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APPROVED

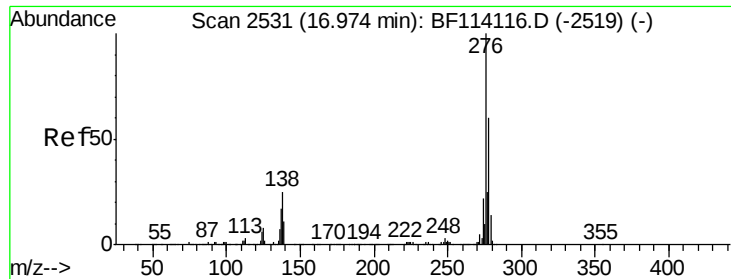
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#83
Chrysene
Concen: 9.751 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.6
229	20.3	17.0	25.6





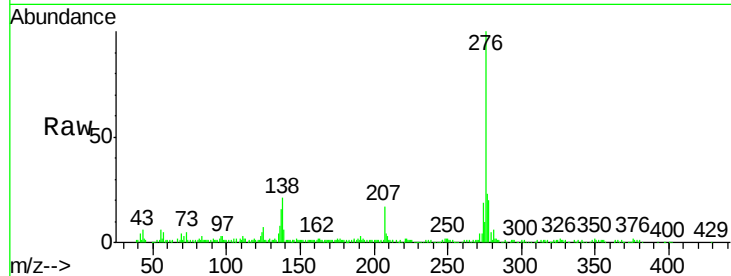
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.727 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.03 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0612-01

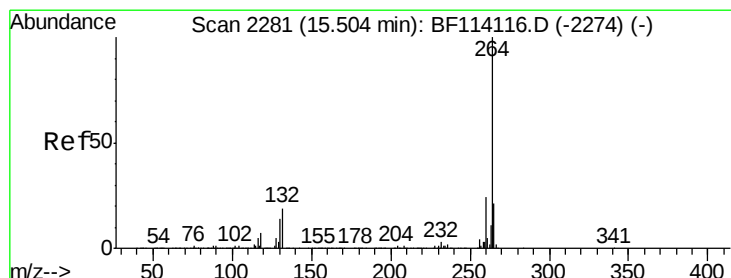
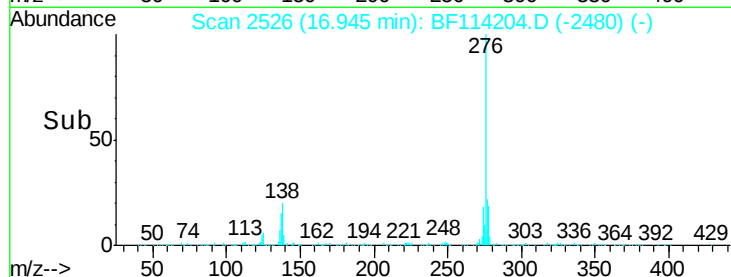
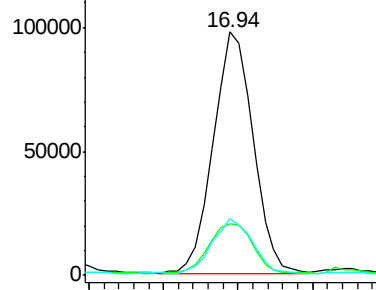
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.3	20.2	30.2
277	22.9	20.0	30.0

Manual Integrations
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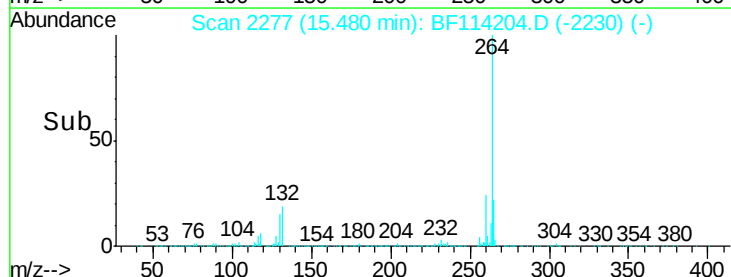
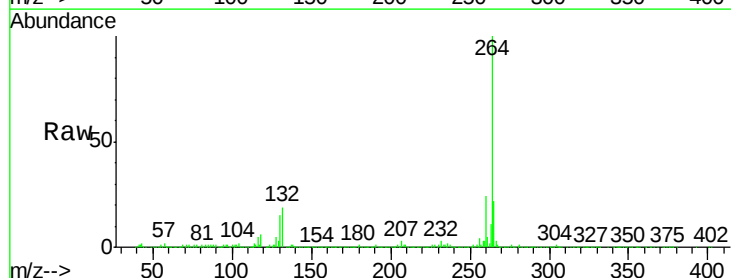
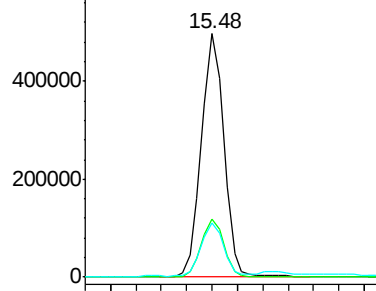
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

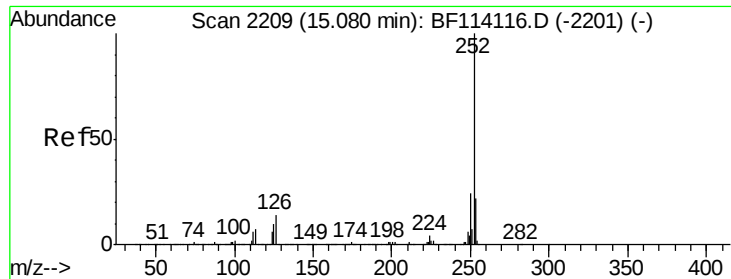


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.02 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.0
265	22.4	16.9	25.3

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





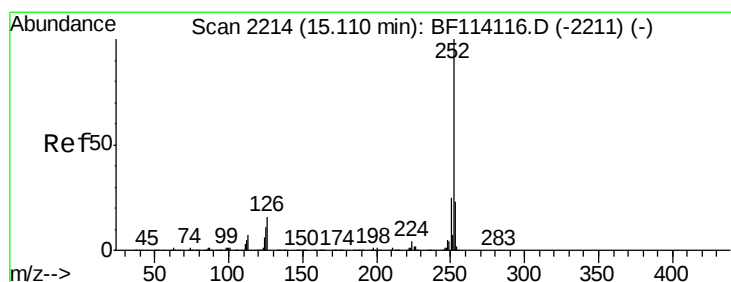
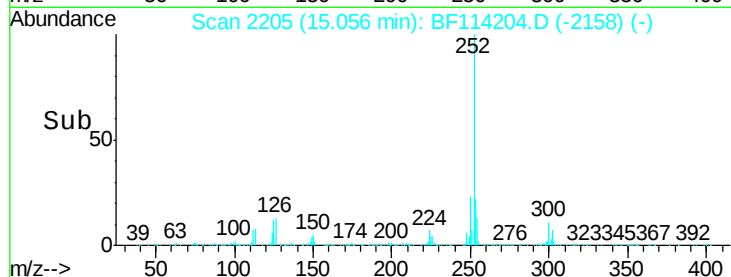
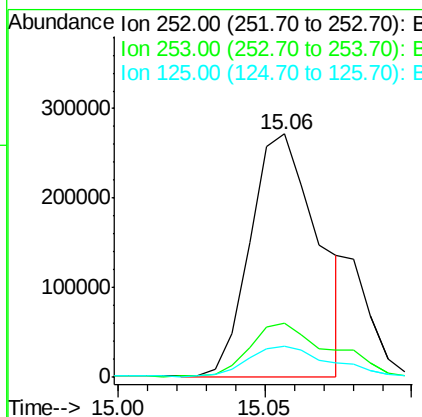
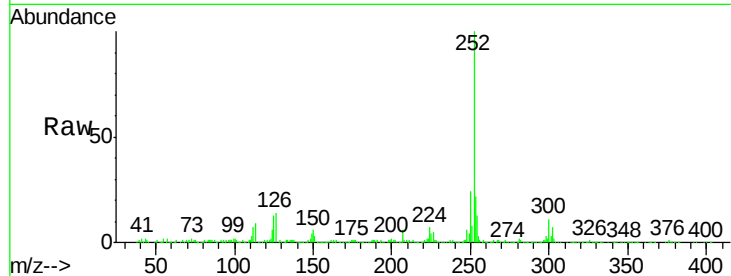
#88
Benzo(b)fluoranthene
Concen: 11.247 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0612-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	12.7	8.3	12.5

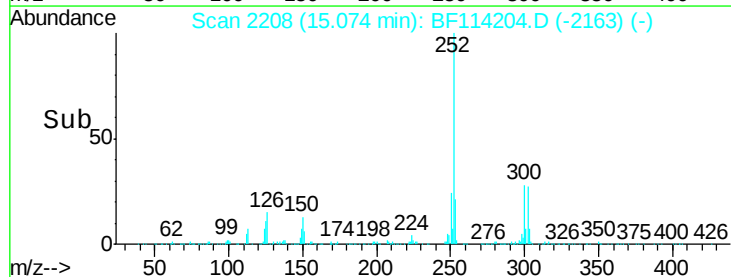
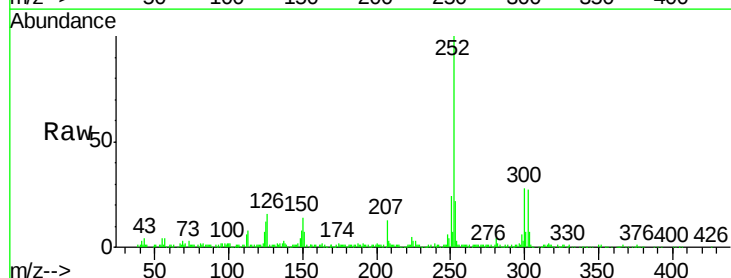
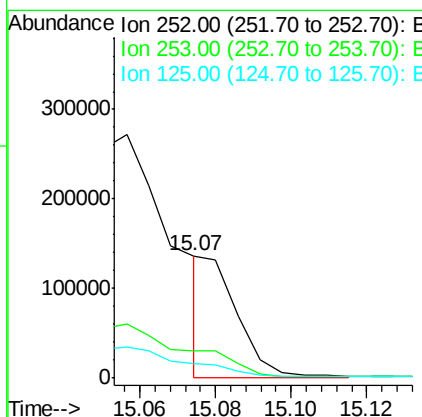
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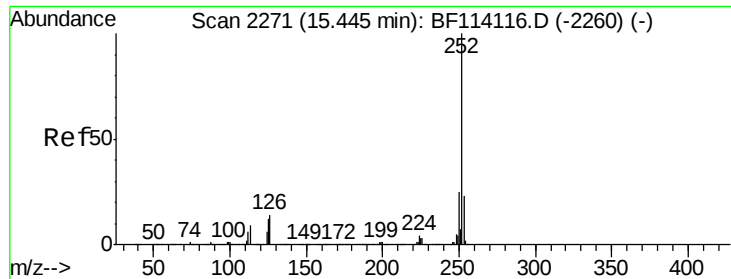
Sohil
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#89
Benzo(k)fluoranthene
Concen: 2.313 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	12.0	8.6	13.0





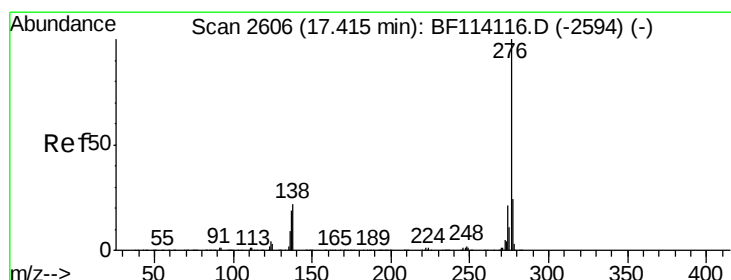
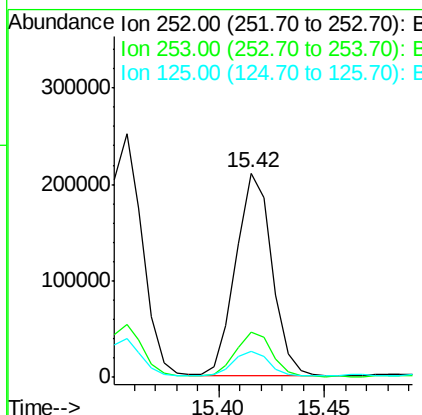
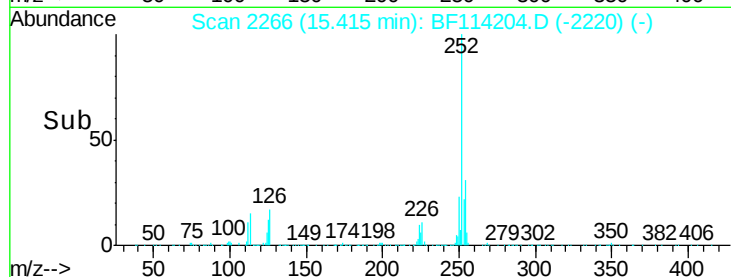
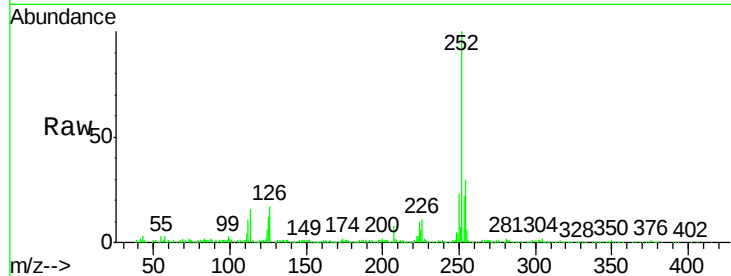
#90
Benzo(a)pyrene
Concen: 7.320 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.03 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Instrument :
BNA_F
ClientSampleId :
P026-SS009-0612-01

Tot Ion:	252	Resp:	250949
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.1	27.1
125	12.4	9.5	14.3

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 7.308 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.02 min
Lab File: BF114204.D
Acq: 12 May 2019 20:24

Tgt Ion:	276	Resp:	208639
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.0	28.4
138	23.5	17.8	26.6

