

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
 Data File : BF114185.D
 Acq On : 12 May 2019 5:42
 Operator : JU/SJ
 Sample : K2765-08 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS004-0002-01

Manual Integrations
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 5/13/2019 8:36:19 PM

Quant Time: May 13 08:16:51 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	252618	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	946827	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	415006	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	745325	20.00	ng	0.00
76) Chrysene-d12	14.01	240	614525	20.00	ng	-0.01
87) Perylene-d12	15.48	264	659085	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	201205	12.82	ng	0.00
7) Phenol-d6	6.48	99	273912	14.75	ng	-0.01
23) Nitrobenzene-d5	7.40	82	149676	8.87	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	51770	12.07	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	270714	9.87	ng	0.00
79) Terphenyl-d14	12.94	244	228697	7.67	ng	-0.01
Target Compounds						
49) Acenaphthylene	9.75	152	318226	7.754	ng	97
71) Phenanthrene	11.39	178	1530453	42.207	ng	99
72) Anthracene	11.45	178	198904	5.461	ng	97
75) Fluoranthene	12.59	202	1906962	48.836	ng	97
78) Pyrene	12.82	202	3228664	65.311	ng	97
81) Benzo(a)anthracene	14.00	228	1299261m	32.688	ng	
83) Chrysene	14.04	228	1376771	35.335	ng	99
86) Indeno(1,2,3-cd)pyrene	16.94	276	474628	13.783	ng	97
88) Benzo(b)fluoranthene	15.06	252	1249735m	29.597	ng	
89) Benzo(k)fluoranthene	15.07	252	400465m	10.325	ng	
90) Benzo(a)pyrene	15.42	252	930187	25.031	ng	98
91) Dibenzo(a,h)anthracene	16.94	278	127766m	4.138	ng	
92) Benzo(a,h,i)perylene	17.39	276	524358	16.944	ng	98

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

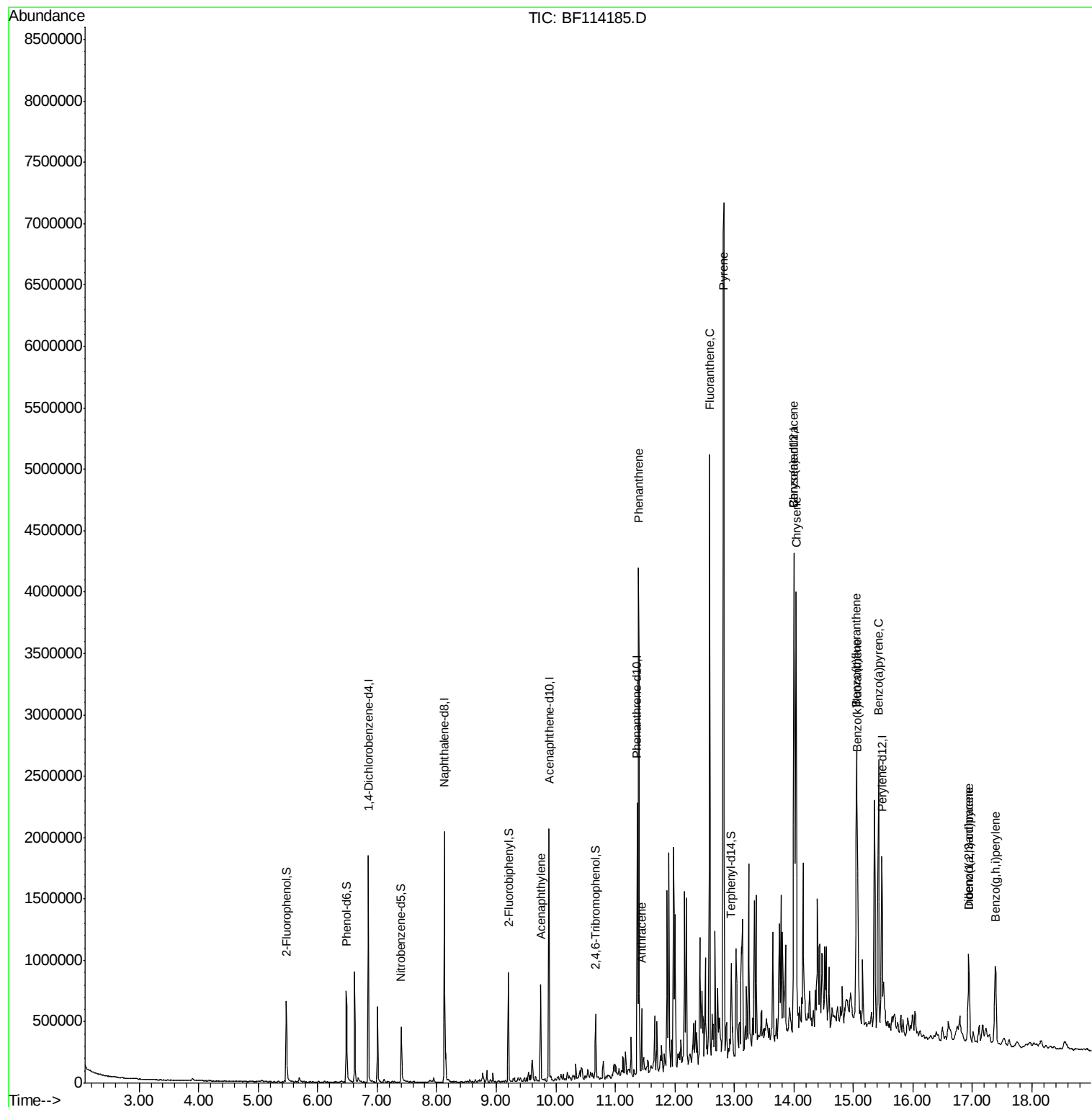
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
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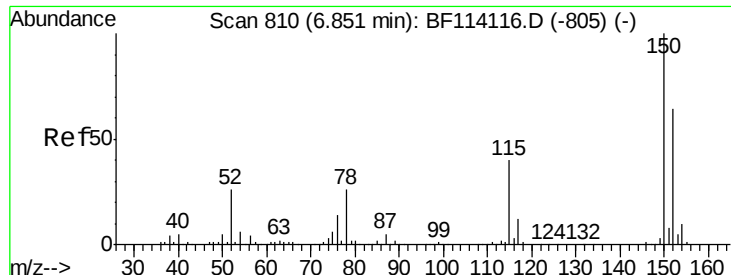
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF114185.D

Acq: 12 May 2019 5:42

Instrument :

BNA_F

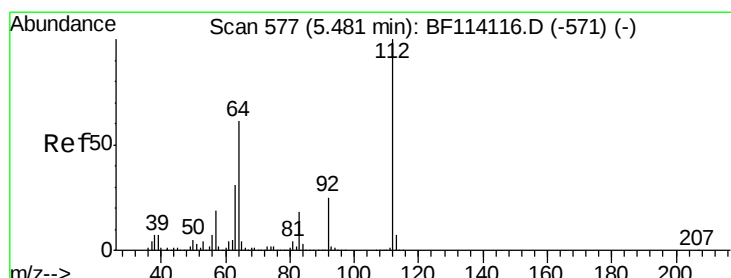
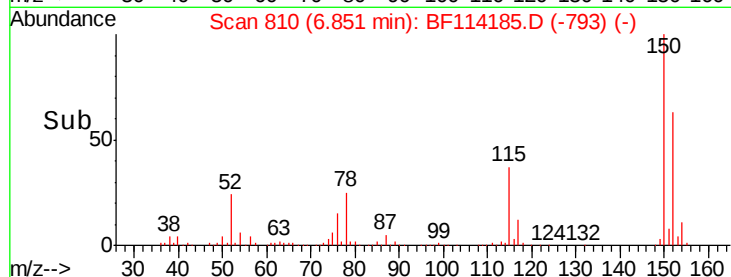
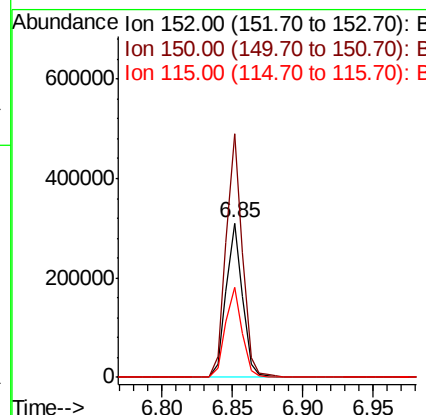
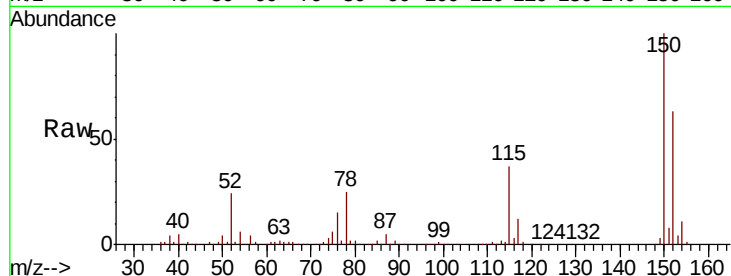
ClientSampleId :

P026-SS004-0002-01

Tot Ion:	152	Resp:	252618
Ion Ratio	Lower	Upper	
152	100		
150	158.1	124.3	186.5
115	58.8	49.1	73.7

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#5

2-Fluorophenol

Concen: 12.817 ng

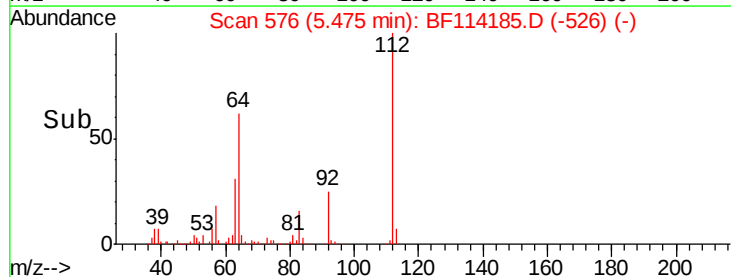
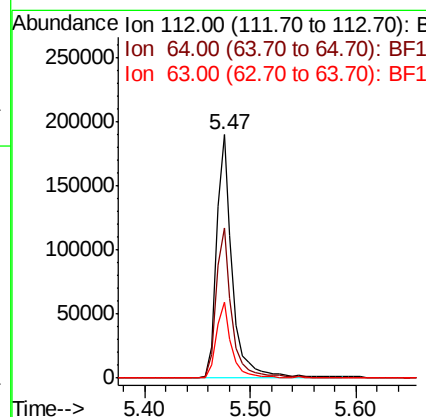
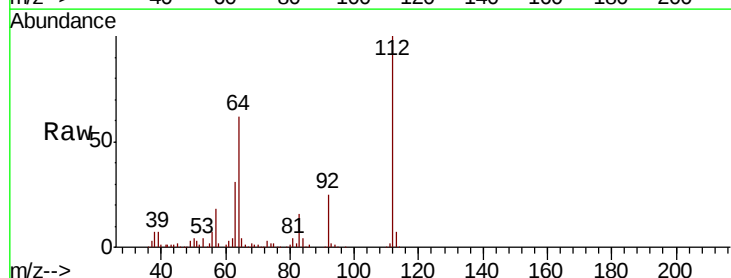
RT: 5.47 min Scan# 576

Delta R.T. -0.01 min

Lab File: BF114185.D

Acq: 12 May 2019 5:42

Tgt Ion:	112	Resp:	201205
Ion Ratio	Lower	Upper	
112	100		
64	61.7	49.0	73.6
63	31.3	24.6	37.0





#7

Phenol-d6

Concen: 14.753 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF114185.D

Acq: 12 May 2019 5:42

Instrument :

BNA_F

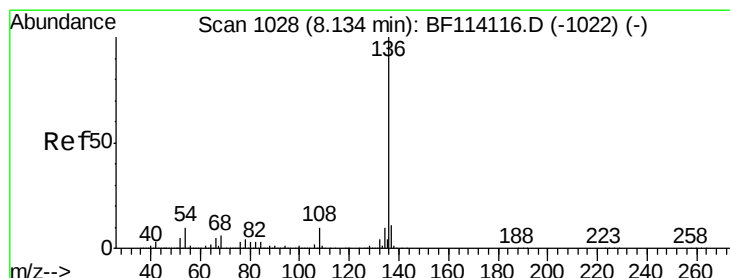
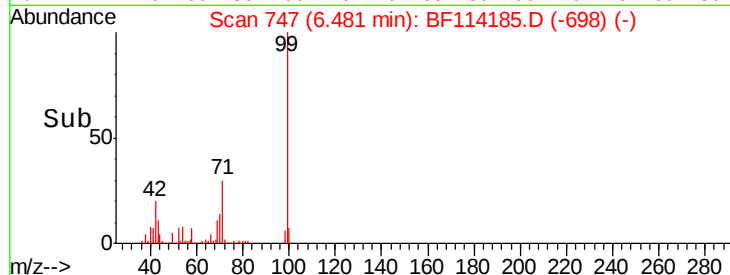
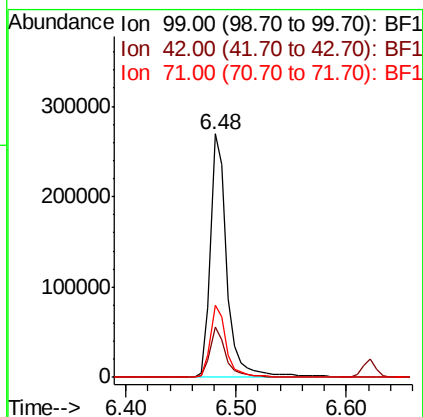
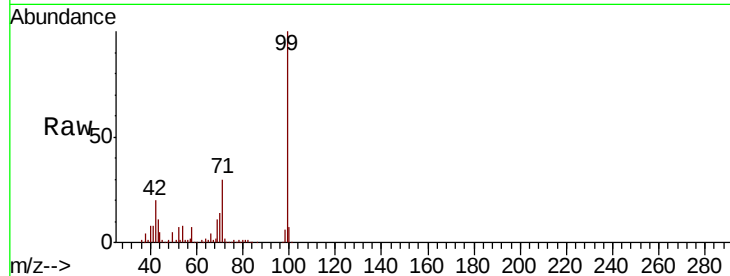
ClientSampleId :

P026-SS004-0002-01

Tot Ion:	99	Resp:	273912
Ion Ratio	Lower	Upper	
99	100		
42	20.4	17.9	26.9
71	29.7	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

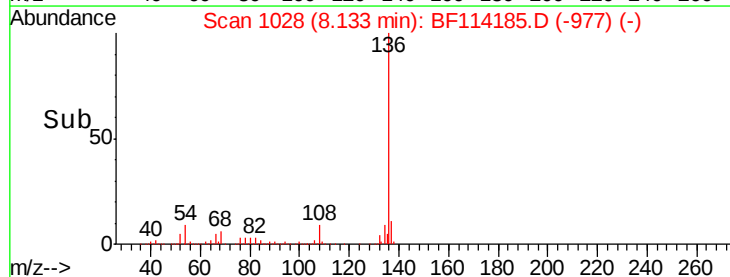
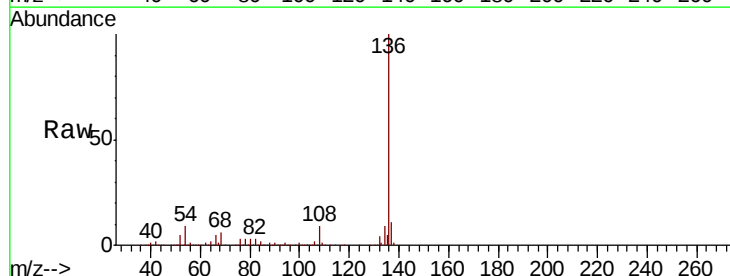
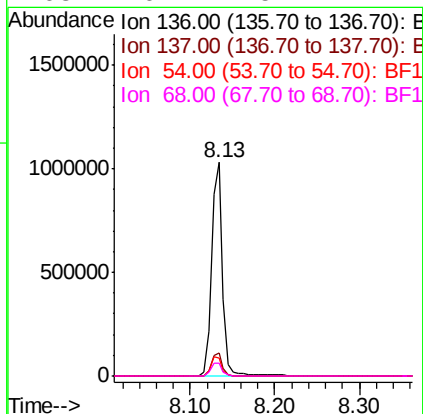
RT: 8.13 min Scan# 1028

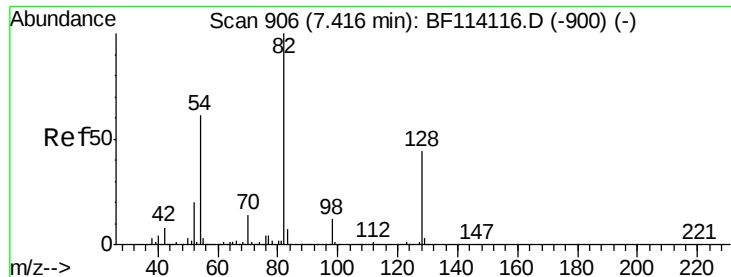
Delta R.T. -0.00 min

Lab File: BF114185.D

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Tgt Ion:	136	Resp:	946827
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	8.6	7.8	11.8
68	6.1	5.1	7.7





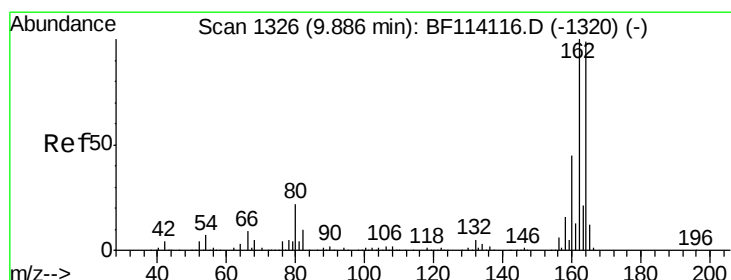
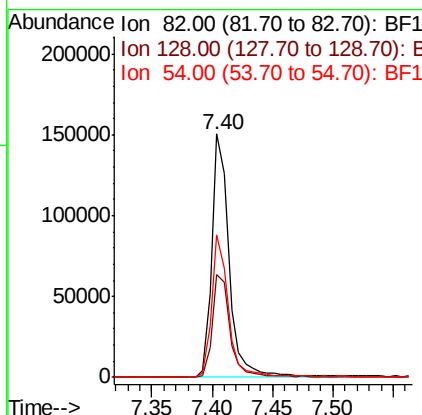
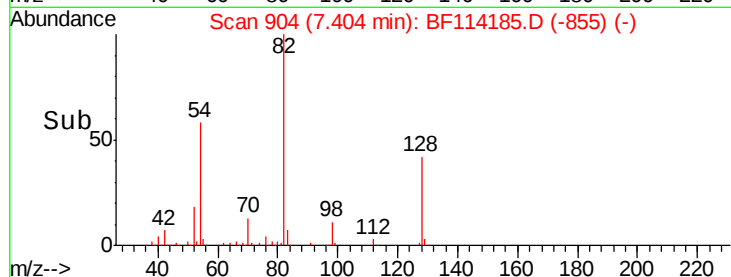
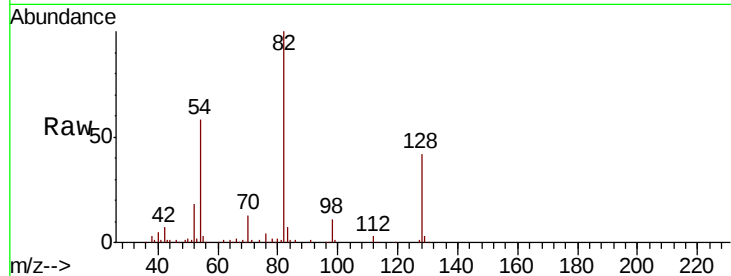
#23
 Nitrobenzene-d5
 Concen: 8.872 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF114185.D
 Acq: 12 May 2019 5:42

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS004-0002-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.4	35.5	53.3
54	58.4	48.5	72.7

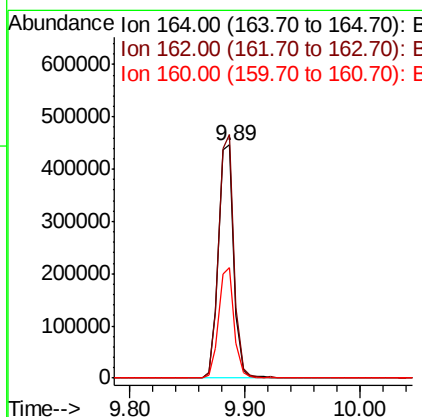
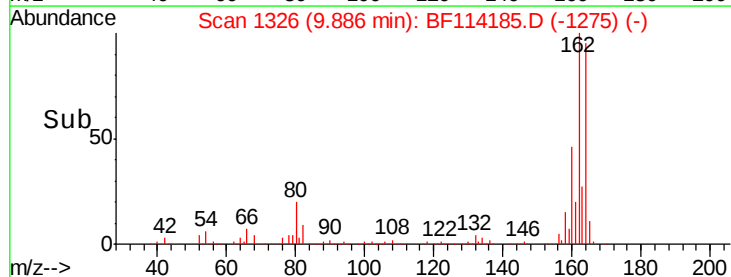
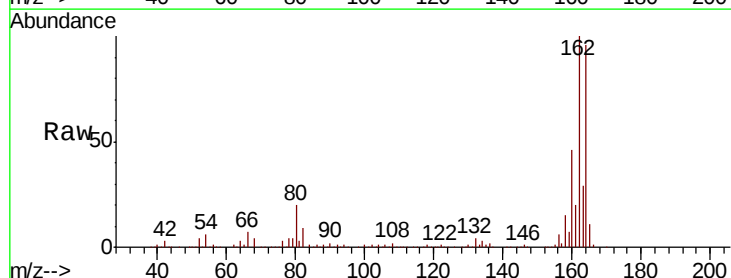
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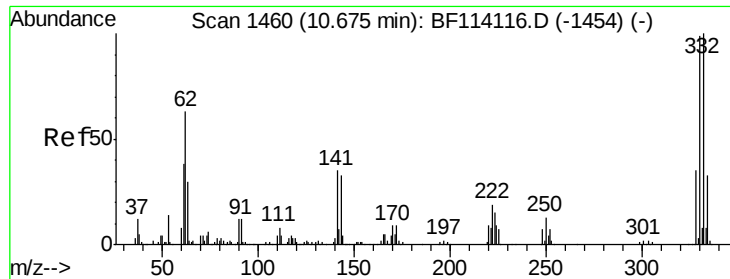
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: BF114185.D
 Acq: 12 May 2019 5:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	80.6	120.8
160	47.6	36.5	54.7





#42

2,4,6-Tribromophenol

Concen: 12.066 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF114185.D

Acq: 12 May 2019 5:42

Instrument :

BNA_F

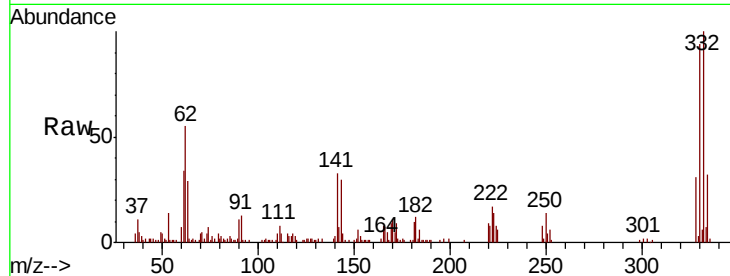
ClientSampleId :

P026-SS004-0002-01

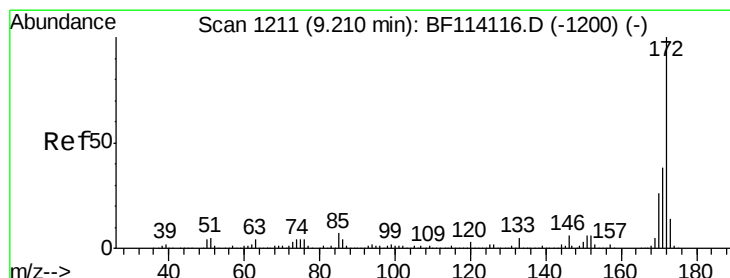
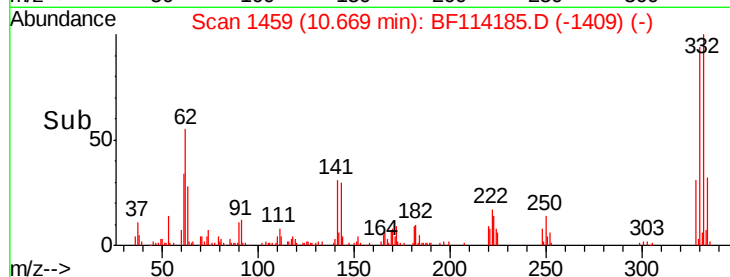
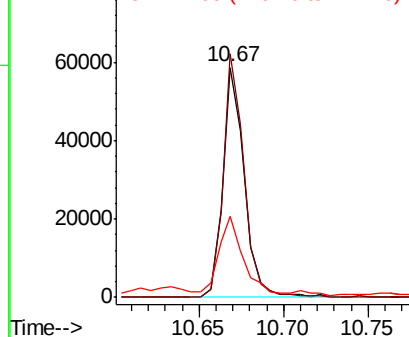
Tot Ion:	330	Resp:	51770
Ion Ratio	Lower	Upper	
330	100		
332	102.8	81.4	122.2
141	36.3	26.6	40.0

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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: 9.867 ng

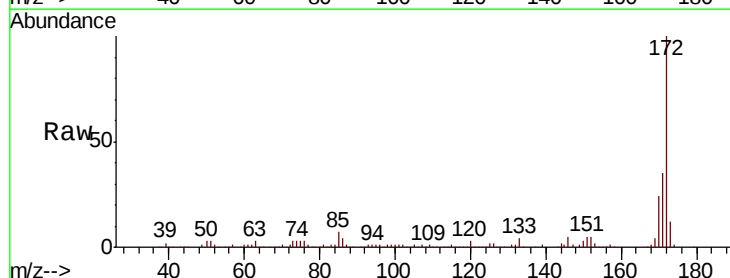
RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

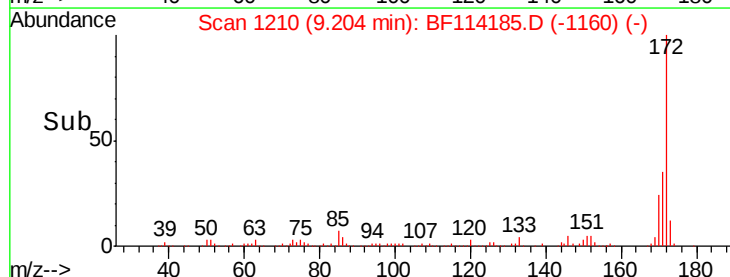
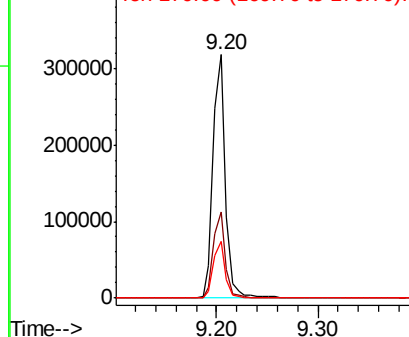
Lab File: BF114185.D

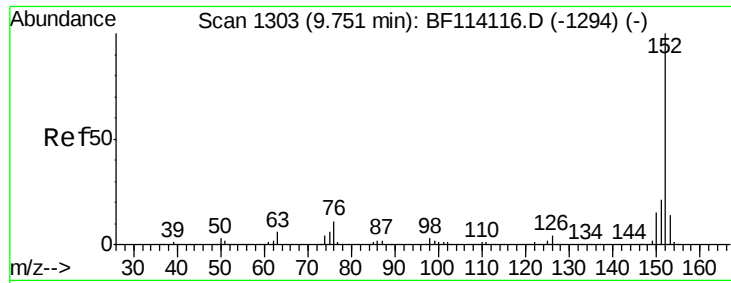
Acq: 12 May 2019 5:42

Tgt Ion:	172	Resp:	270714
Ion Ratio	Lower	Upper	
172	100		
171	35.4	30.7	46.1
170	23.5	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





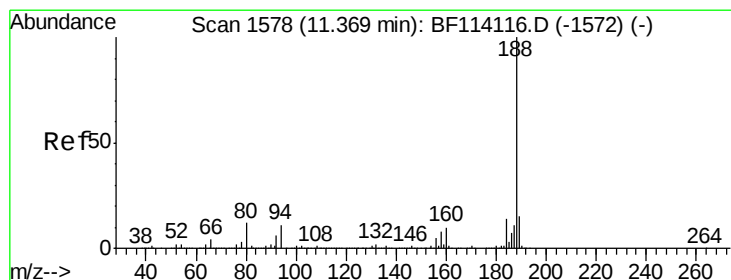
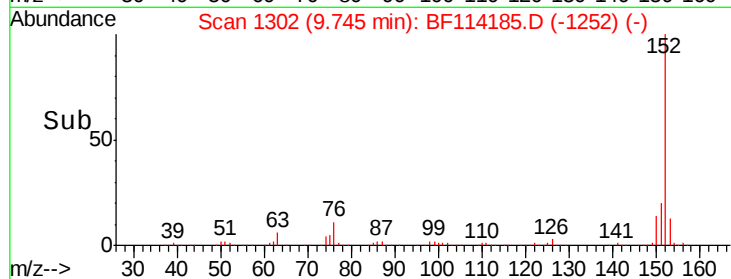
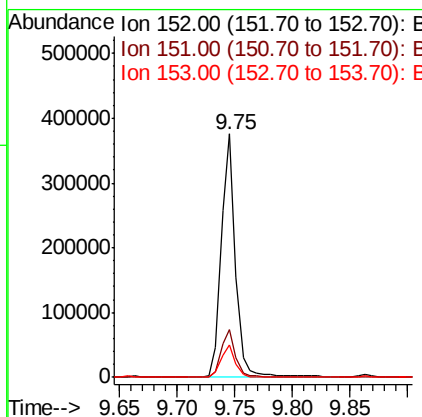
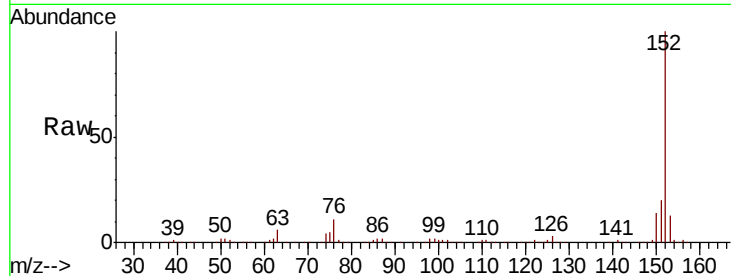
#49
Acenaphthylene
Concen: 7.754 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF114185.D
Acq: 12 May 2019 5:42

Instrument :
BNA_F
ClientSampleId :
P026-SS004-0002-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		318226		
151	19.6	16.8	25.2		
153	13.3	11.4	17.2		

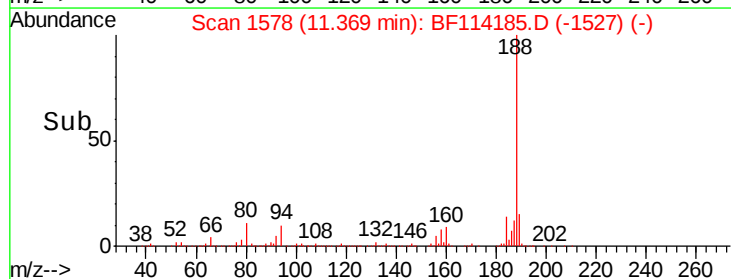
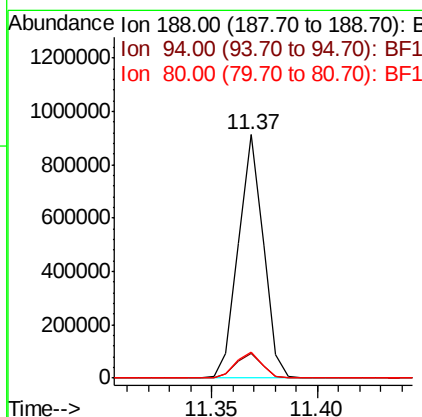
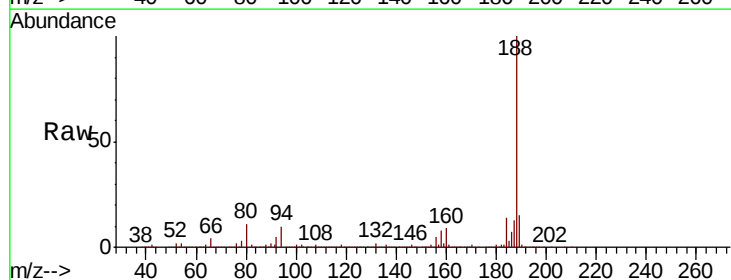
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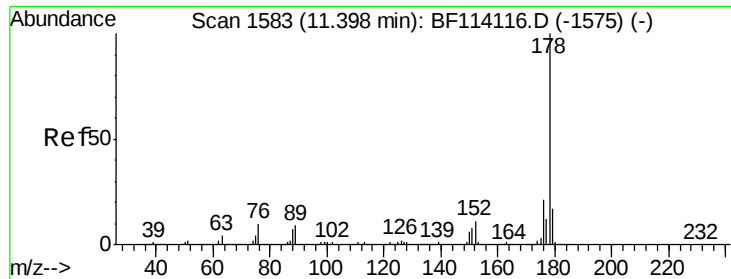
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF114185.D
Acq: 12 May 2019 5:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		745325		
94	10.1	8.4	12.6		
80	10.8	9.2	13.8		





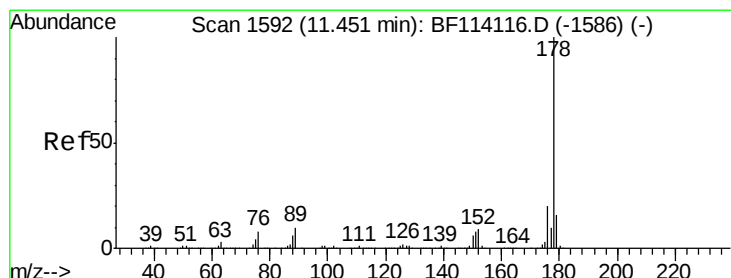
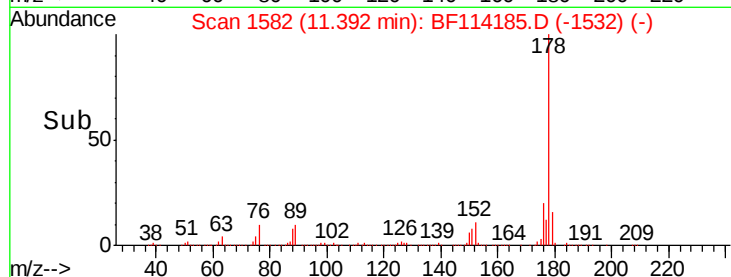
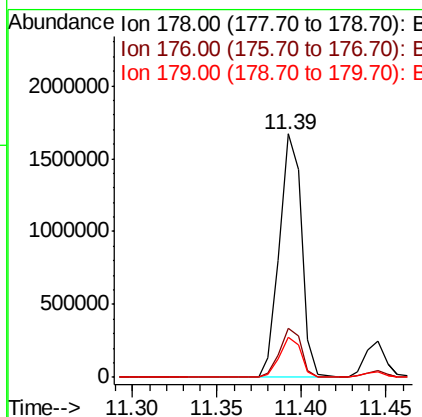
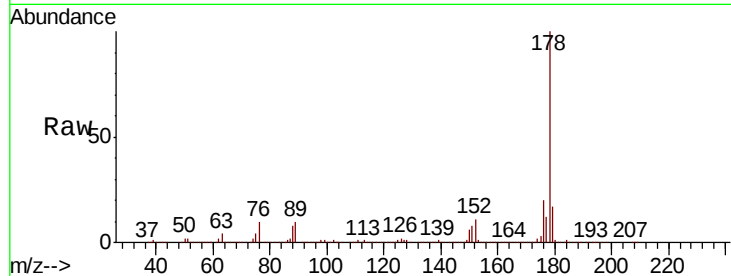
#71
Phenanthrene
Concen: 42.207 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF114185.D
Acq: 12 May 2019 5:42

Instrument :
BNA_F
ClientSampleId :
P026-SS004-0002-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.4	24.6
179	16.5	13.2	19.8

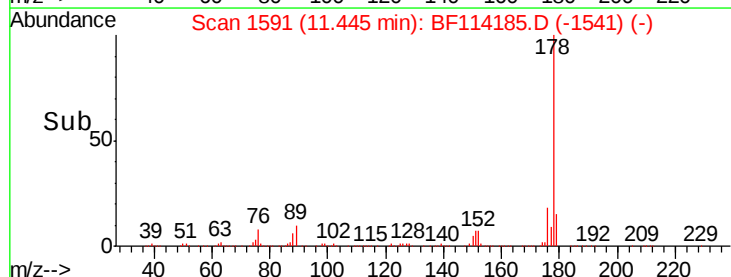
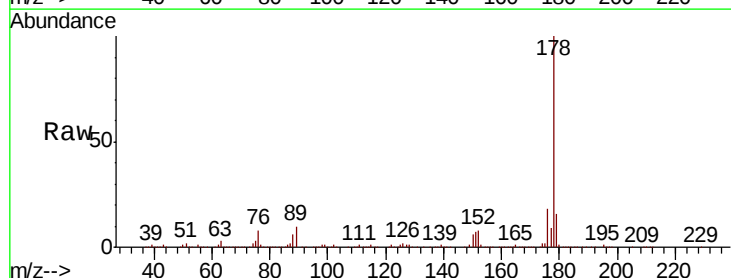
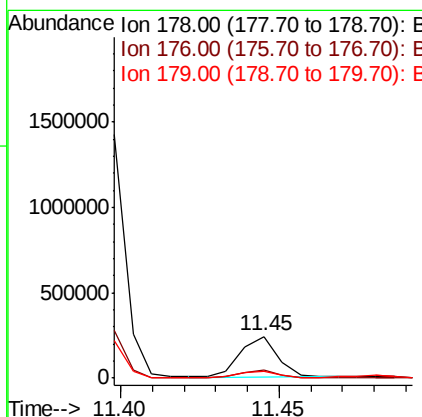
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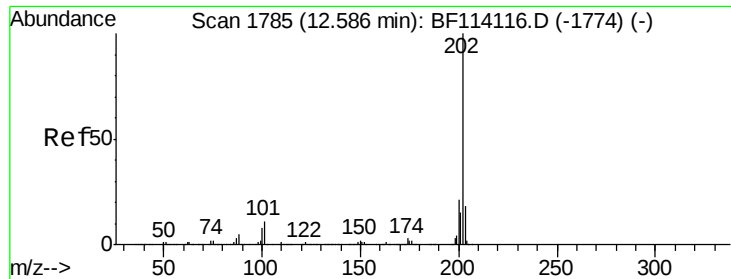
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#72
Anthracene
Concen: 5.461 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF114185.D
Acq: 12 May 2019 5:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.8
179	15.5	13.0	19.4





#75

Fluoranthene

Concen: 48.836 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF114185.D

Acq: 12 May 2019 5:42

Instrument :

BNA_F

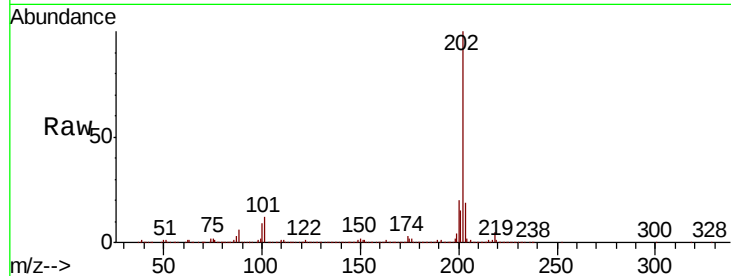
ClientSampleId :

P026-SS004-0002-01

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.0
203	19.4	0.0	38.4

Manual Integrations
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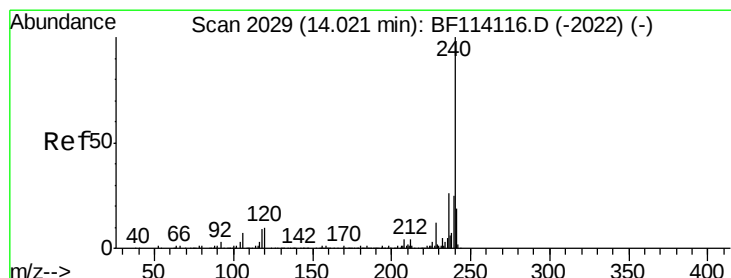
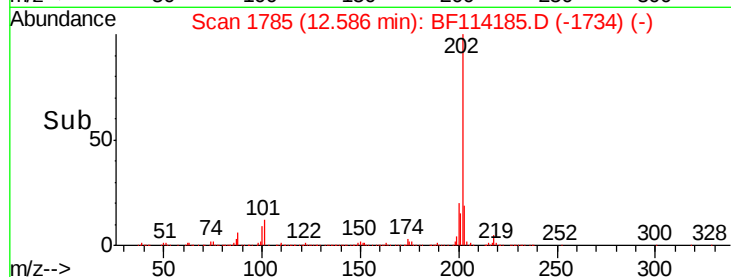
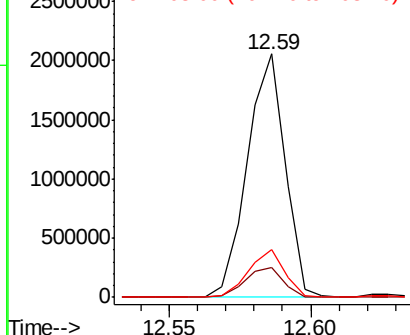


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF114185.D

Acq: 12 May 2019 5:42

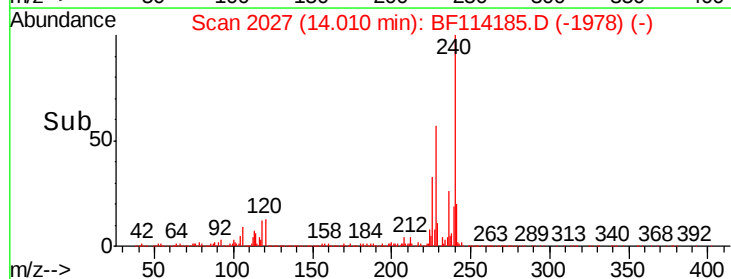
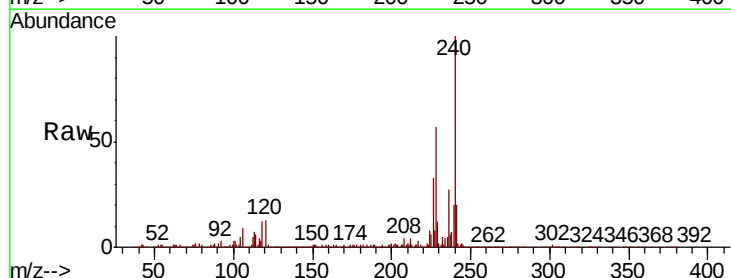
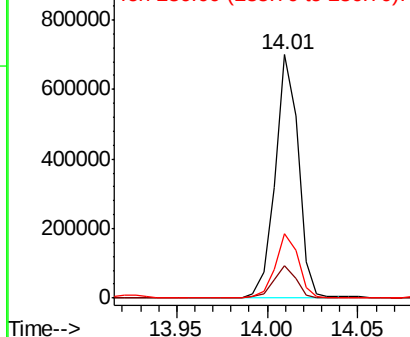
Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.3	8.3	12.5#
236	26.6	20.8	31.2

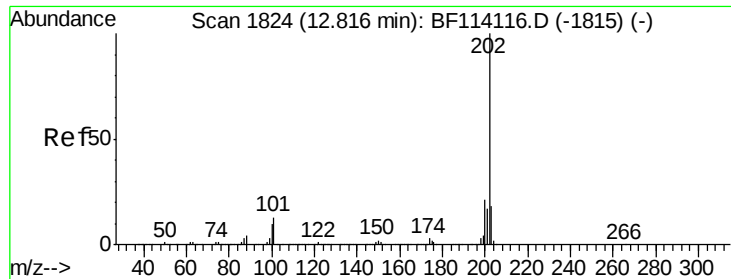
Abundance

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

Pvrene

Concen: 65.311 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.01 min

Lab File: BF114185.D

Acq: 12 May 2019 5:42

Instrument :

BNA_F

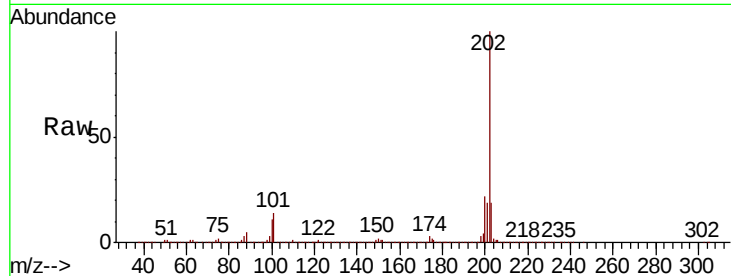
ClientSampleId :

P026-SS004-0002-01

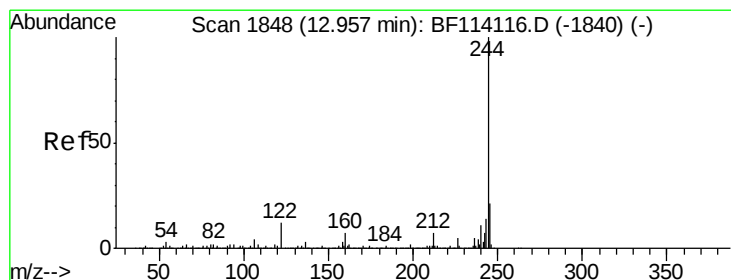
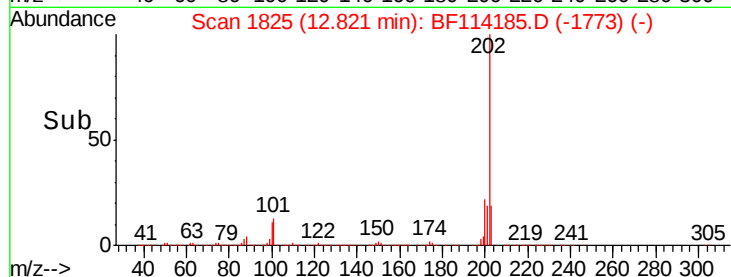
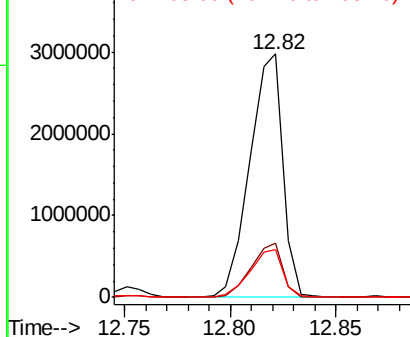
Tot Ion:	202	Resp:	3228664
Ion	Ratio	Lower	Upper
202	100		
200	22.4	16.9	25.3
203	19.4	14.5	21.7

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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: 7.672 ng

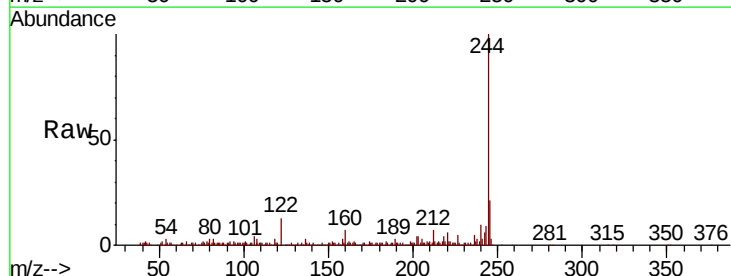
RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

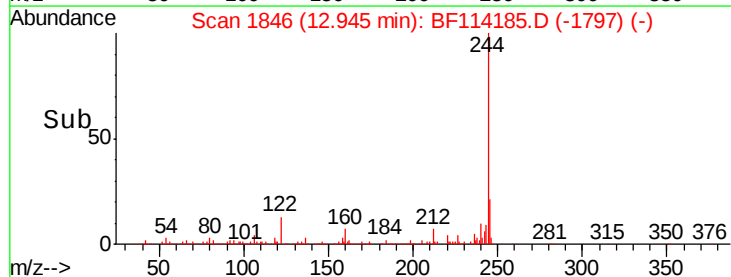
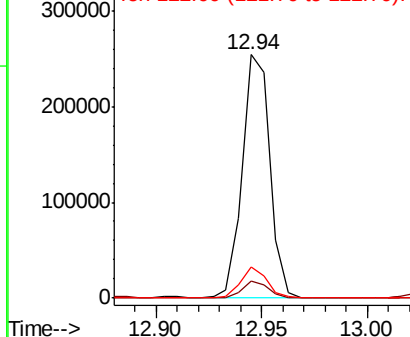
Lab File: BF114185.D

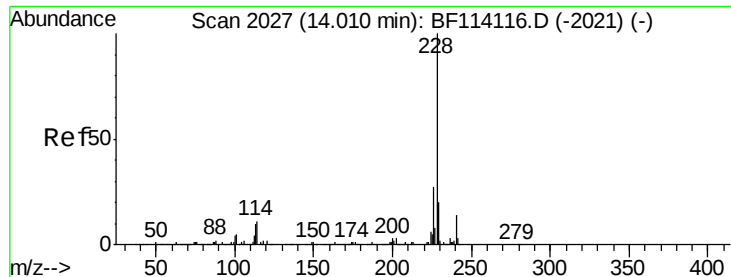
Acq: 12 May 2019 5:42

Tgt Ion:	244	Resp:	228697
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	12.9	9.4	14.2



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: 32.688 ng m

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF114185.D

Acq: 12 May 2019 5:42

Instrument :

BNA_F

ClientSampleId :

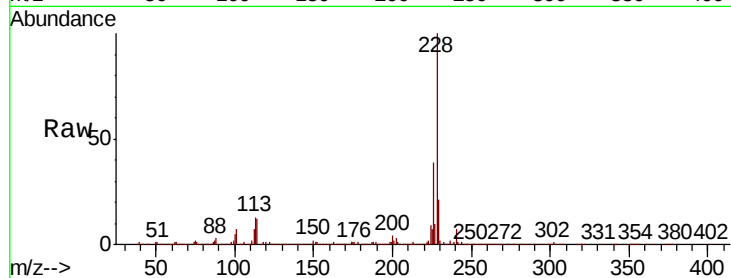
P026-SS004-0002-01

Tot Ion:228 Resp: 1299261

Ion	Ratio	Lower	Upper
228	100		
226	39.4	22.2	33.2#
229	21.3	16.4	24.6

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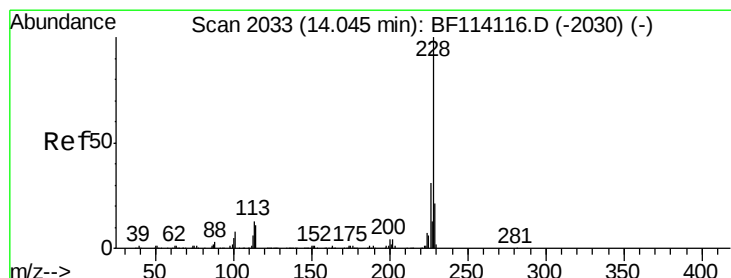
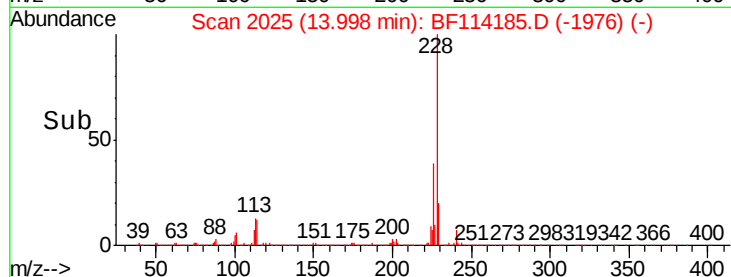
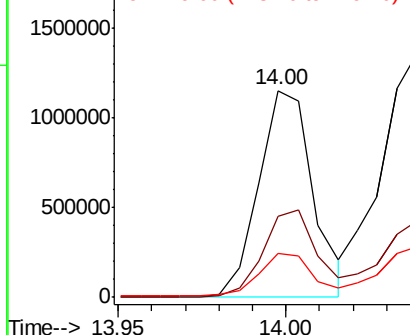
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 35.335 ng

RT: 14.04 min Scan# 2032

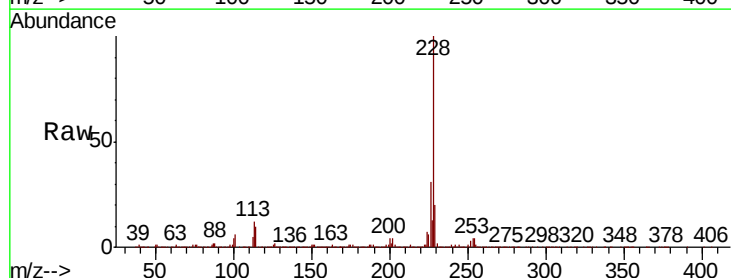
Delta R.T. -0.01 min

Lab File: BF114185.D

Acq: 12 May 2019 5:42

Tgt Ion:228 Resp: 1376771

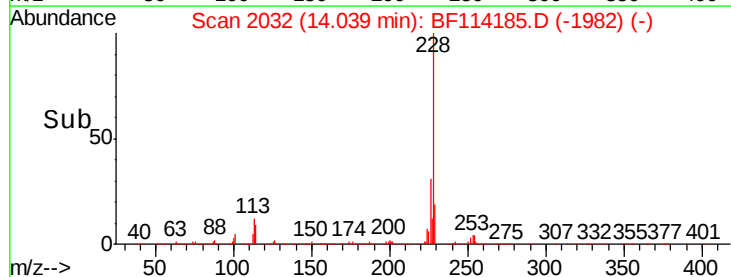
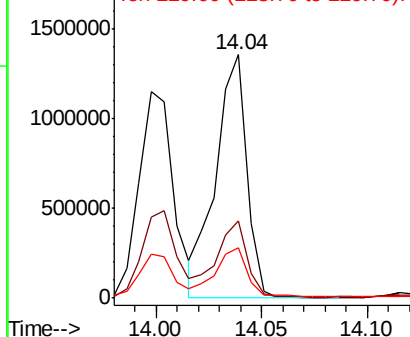
Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	20.4	17.0	25.6

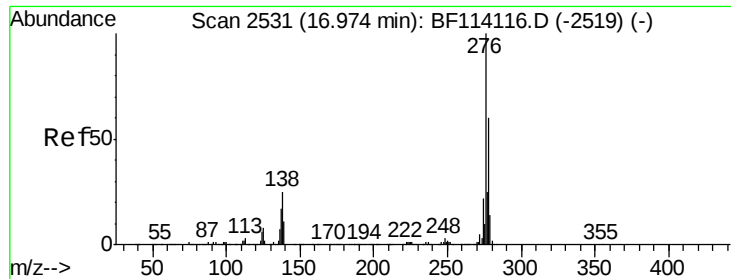


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





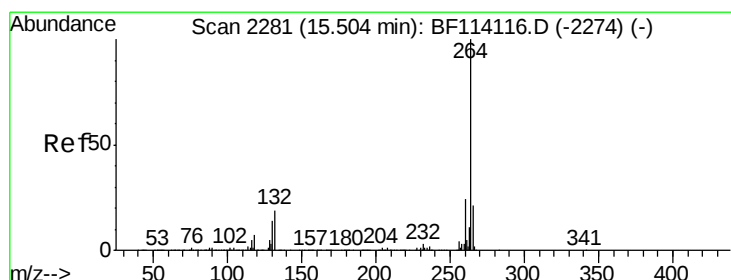
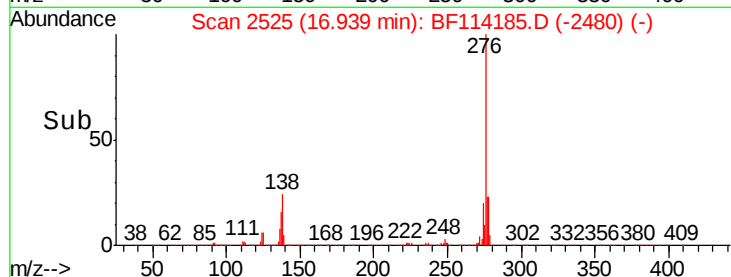
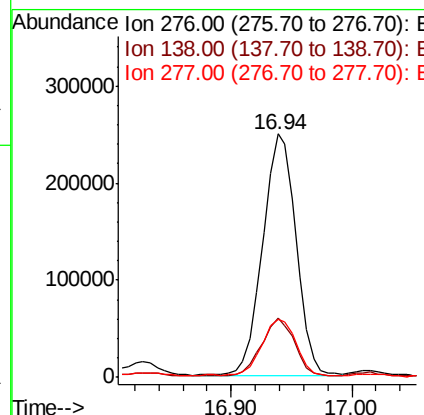
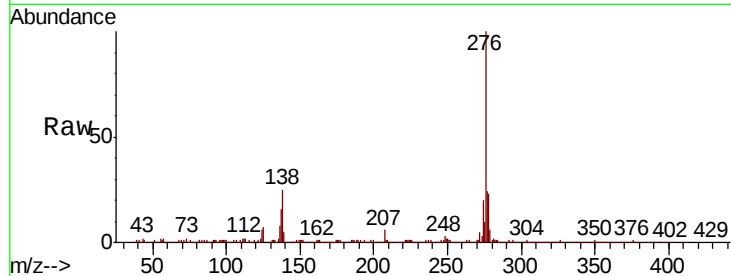
#86
Indeno(1,2,3-cd)pyrene
Concen: 13.783 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.04 min
Lab File: BF114185.D
Acq: 12 May 2019 5:42

Instrument :
BNA_F
ClientSampleId :
P026-SS004-0002-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.3	20.2	30.2
277	24.1	20.0	30.0

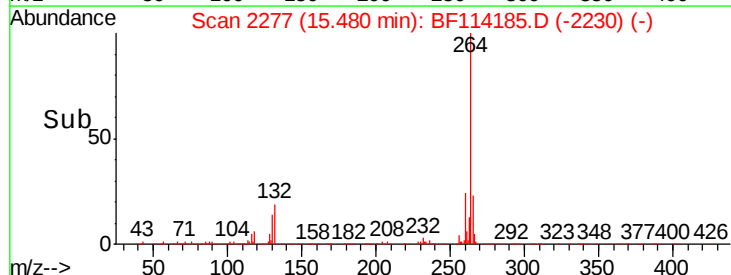
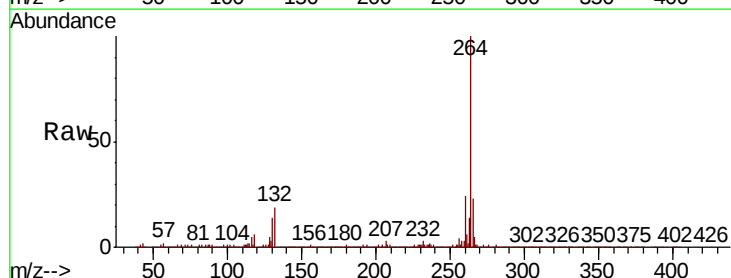
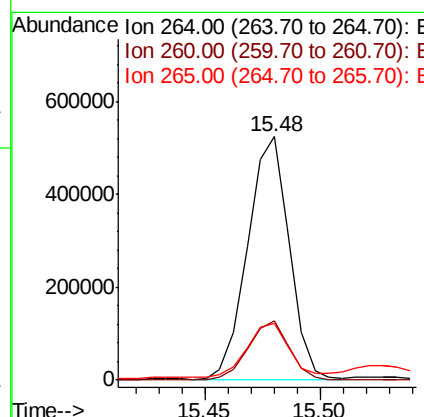
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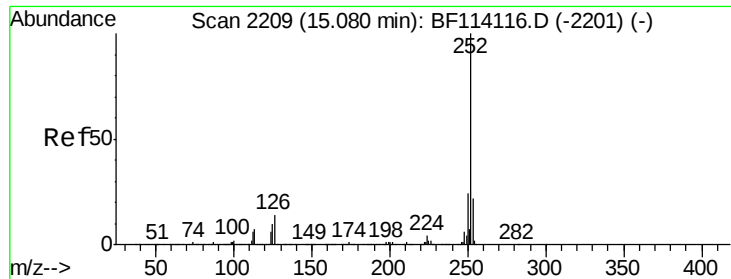
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.02 min
Lab File: BF114185.D
Acq: 12 May 2019 5:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.0
265	23.3	16.9	25.3





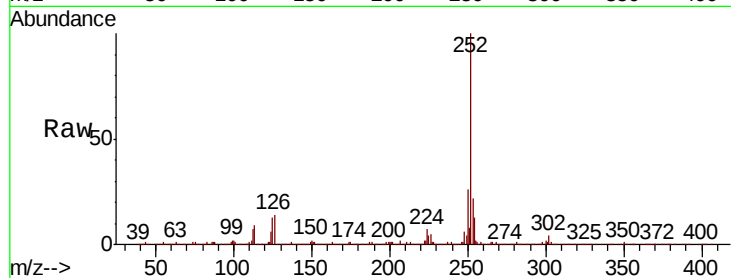
#88
Benzo(b)fluoranthene
Concen: 29.597 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF114185.D
Acq: 12 May 2019 5:42

Instrument :
BNA_F
ClientSampleId :
P026-SS004-0002-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	13.1	8.3	12.5

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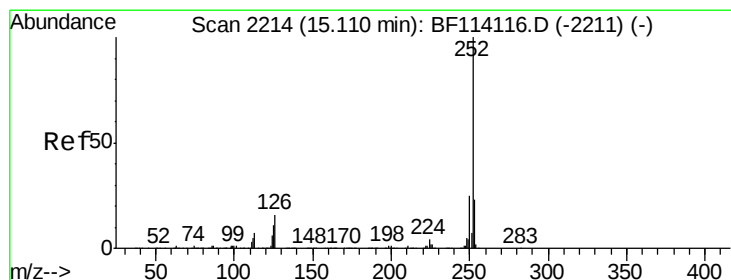
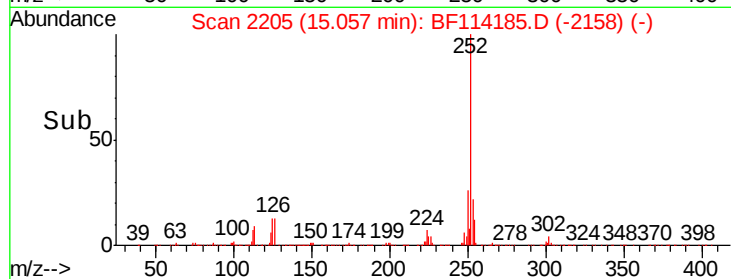
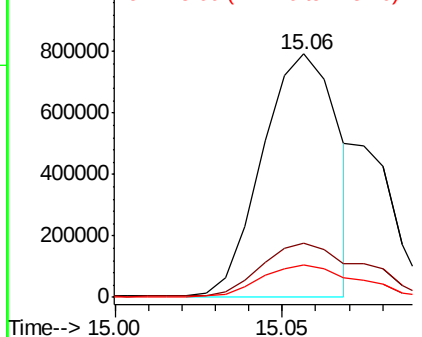


Abundance

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: 10.325 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.04 min
Lab File: BF114185.D
Acq: 12 May 2019 5:42

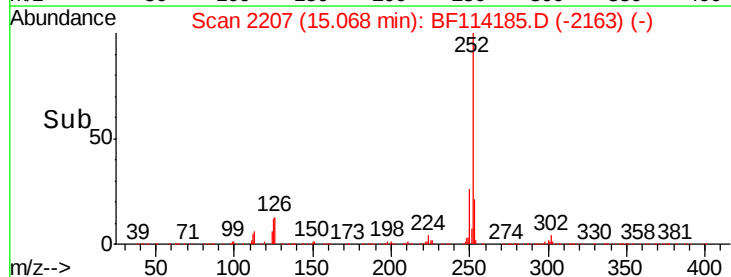
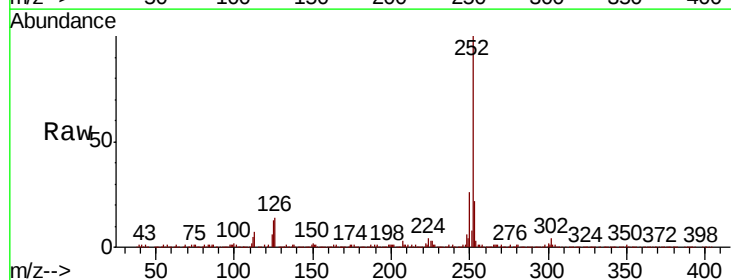
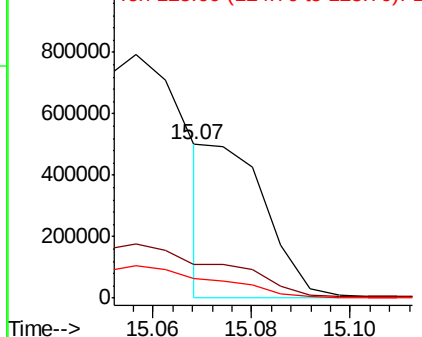
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.2
125	12.6	8.6	13.0

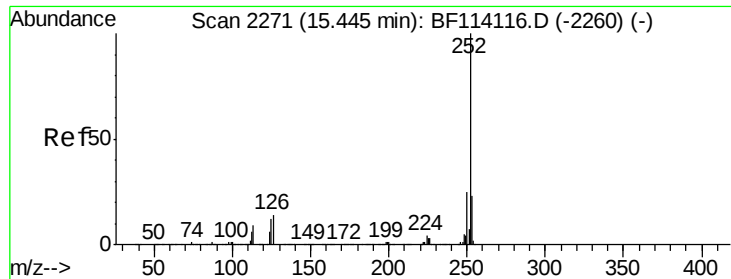
Abundance

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





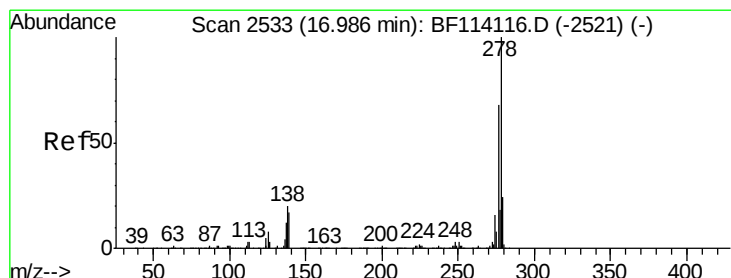
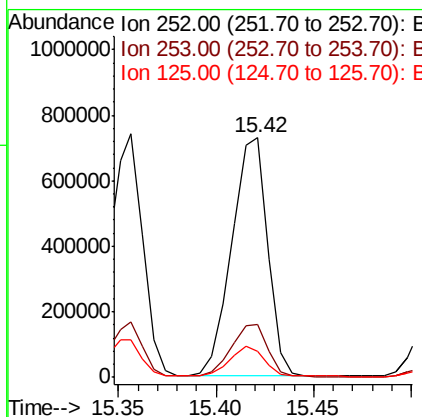
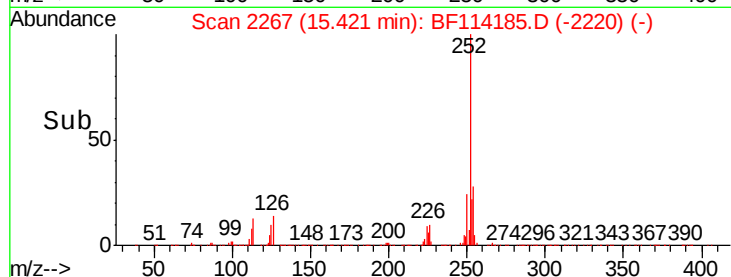
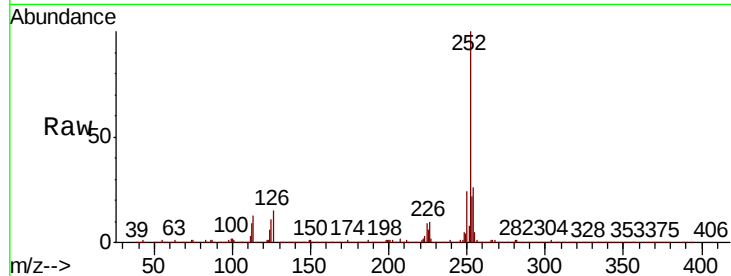
#90
Benzo(a)pyrene
Concen: 25.031 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF114185.D
Acq: 12 May 2019 5:42

Instrument :
BNA_F
ClientSampleId :
P026-SS004-0002-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	11.0	9.5	14.3

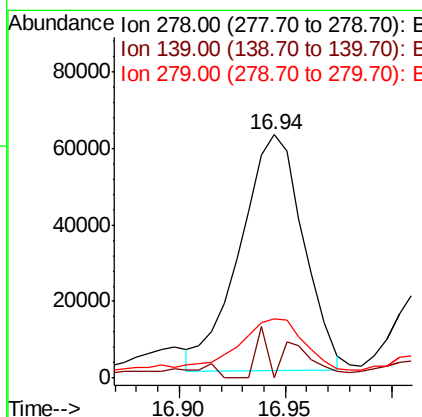
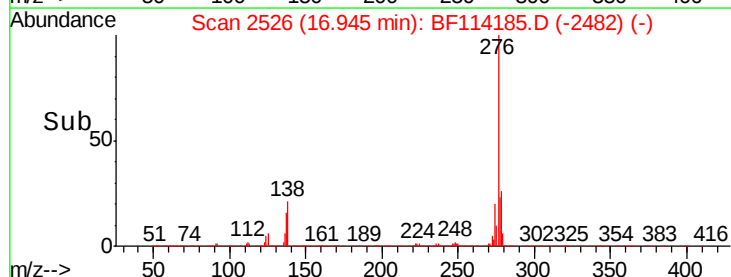
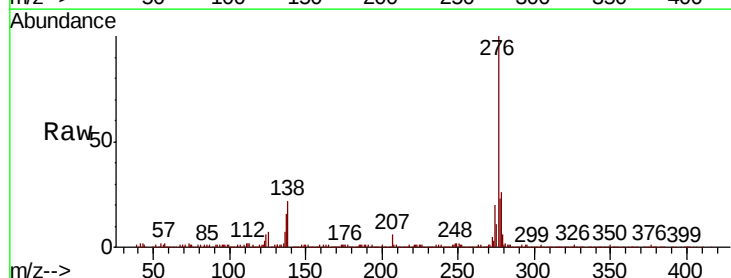
Manual Integrations
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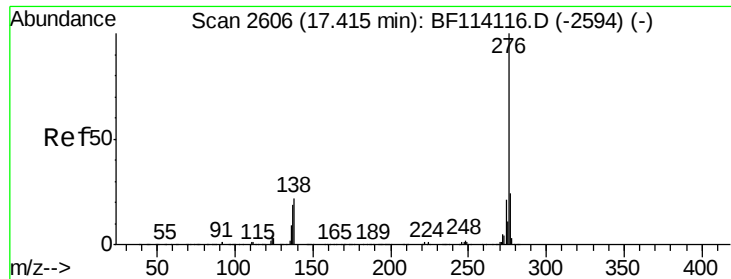
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#91
Dibenzo(a,h)anthracene
Concen: 4.138 ng m
RT: 16.94 min Scan# 2526
Delta R.T. -0.04 min
Lab File: BF114185.D
Acq: 12 May 2019 5:42

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	24.4	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 16.944 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. -0.03 min
 Lab File: BF114185.D
 Acq: 12 May 2019 5:42

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS004-0002-01

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	22.6	19.0	28.4
138	22.8	17.8	26.6

Manual Integrations
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