

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
 Data File : BF114252.D
 Acq On : 14 May 2019 9:49
 Operator : JU/SJ
 Sample : K2764-11DL 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS001-0002-01DL

Manual Integrations
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 5/14/2019 8:03:41 PM

Quant Time: May 14 11:55:39 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	237621	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	923421	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	433617	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	844109	20.00	ng	0.01
76) Chrysene-d12	14.03	240	547735	20.00	ng	0.00
87) Perylene-d12	15.53	264	596977	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	343909	23.29	ng	0.00
7) Phenol-d6	6.50	99	472027	27.03	ng	0.00
23) Nitrobenzene-d5	7.41	82	265357	16.13	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	97357	21.72	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	445014	15.52	ng	0.00
79) Terphenyl-d14	12.96	244	407799	15.35	ng	0.00
Target Compounds						
31) Naphthalene	8.16	128	116736	2.706	ng	97
49) Acenaphthylene	9.75	152	265202	6.185	ng	98
50) Dimethylphthalate	9.60	163	72299	2.271	ng	98
71) Phenanthrene	11.40	178	889343	21.656	ng	97
72) Anthracene	11.45	178	154623	3.749	ng	98
75) Fluoranthene	12.60	202	1422621	32.169	ng	99
78) Pyrene	12.83	202	2364741	53.668	ng	99
81) Benzo(a)anthracene	14.02	228	832379m	23.495	ng	
83) Chrysene	14.06	228	958899	27.611	ng	98
86) Indeno(1,2,3-cd)pyrene	17.01	276	378914	12.345	ng	96
88) Benzo(b)fluoranthene	15.10	252	931446m	24.354	ng	
89) Benzo(k)fluoranthene	15.11	252	315249m	8.973	ng	
90) Benzo(a)pyrene	15.46	252	590363	17.539	ng	99
91) Dibenzo(a,h)anthracene	17.02	278	104283m	3.728	ng	
92) Benzo(a,h,i)perylene	17.46	276	410645	14.650	ng	97

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

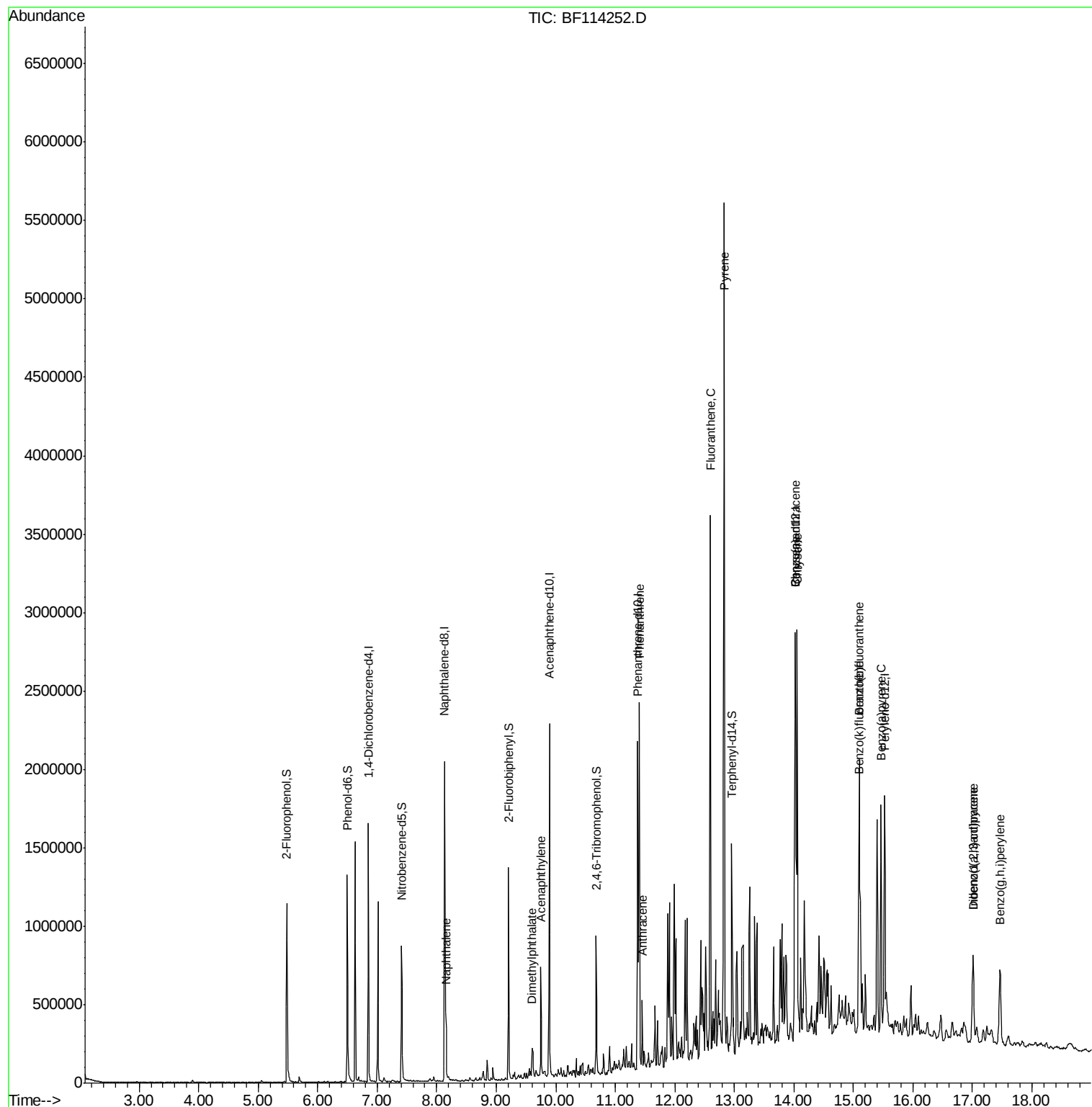
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
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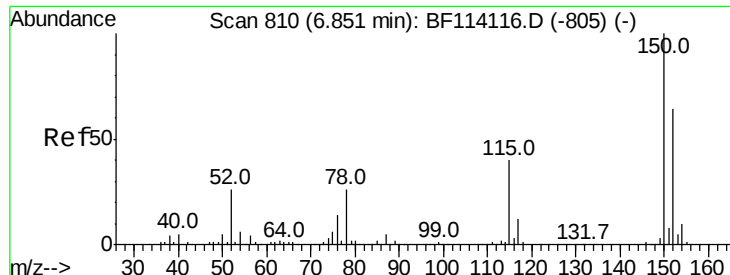
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Quant Time: May 14 11:55:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF114252.D

Acq: 14 May 2019 9:49

Instrument :

BNA_F

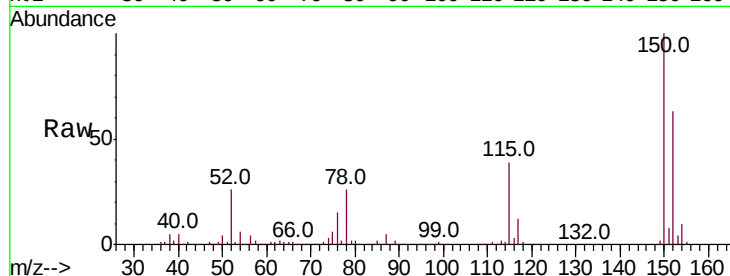
ClientSampleId :

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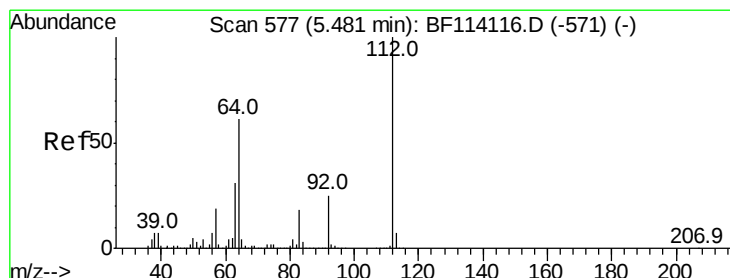
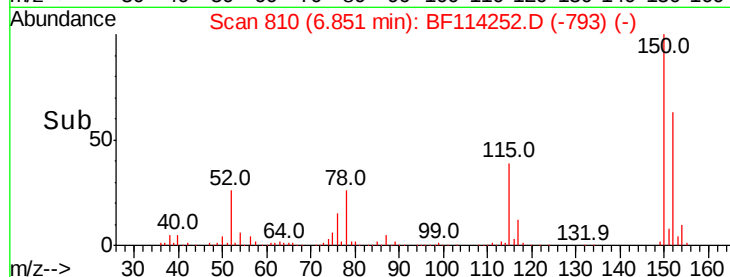
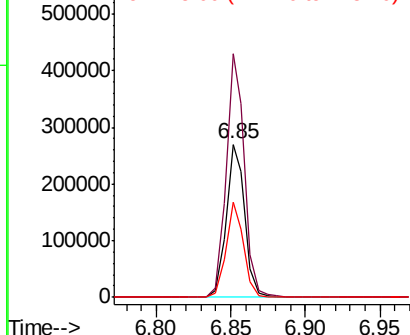
Tot Ion:	152	Resp:	237621
Ion Ratio	Lower	Upper	
152	100		
150	159.0	124.3	186.5
115	62.2	49.1	73.7

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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: 23.291 ng

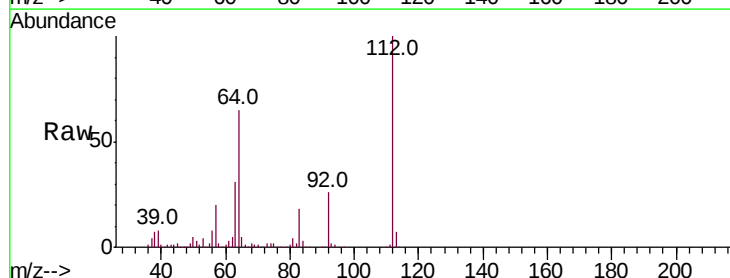
RT: 5.48 min Scan# 577

Delta R.T. 0.00 min

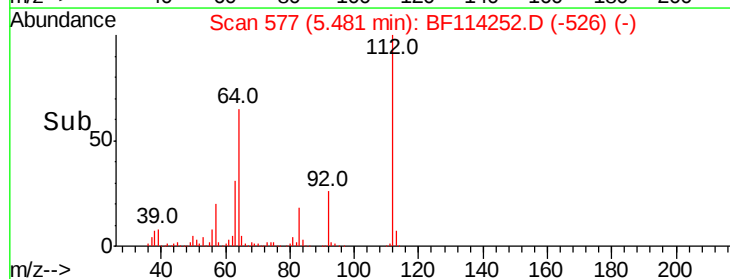
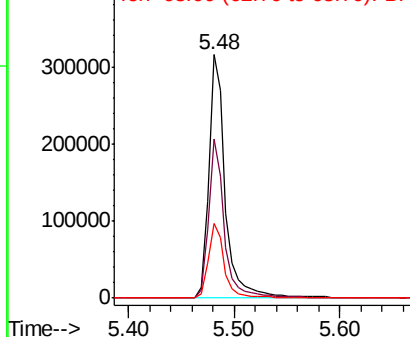
Lab File: BF114252.D

Acq: 14 May 2019 9:49

Tgt Ion:	112	Resp:	343909
Ion Ratio	Lower	Upper	
112	100		
64	65.4	49.0	73.6
63	30.9	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: 27.029 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF114252.D

Acq: 14 May 2019 9:49

Instrument :

BNA_F

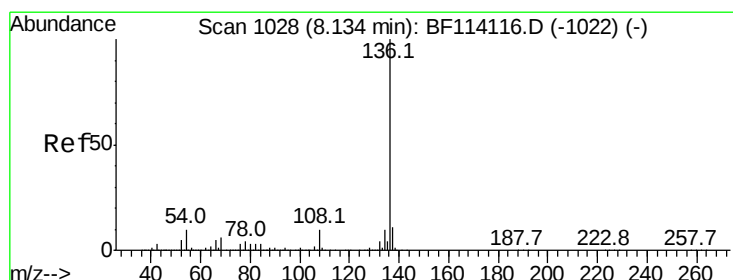
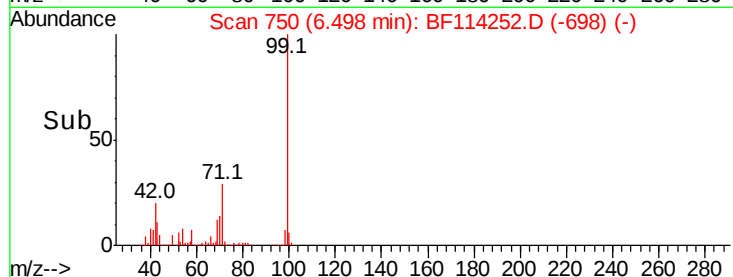
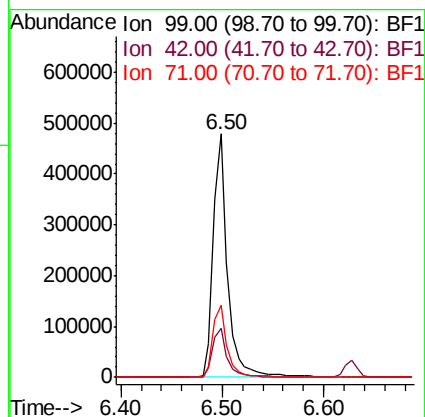
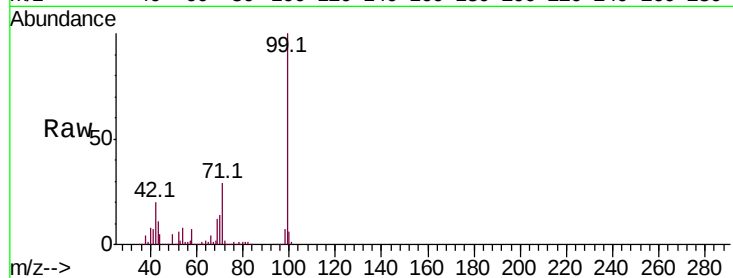
ClientSampleId :

P026-SS001-0002-01DL

Tot Ion:	99	Resp:	472027
Ion Ratio	Lower	Upper	
99	100		
42	20.2	17.9	26.9
71	29.5	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

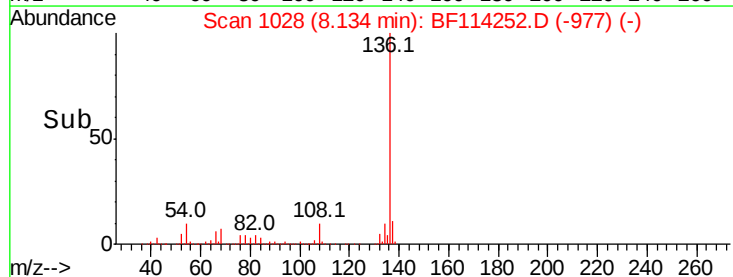
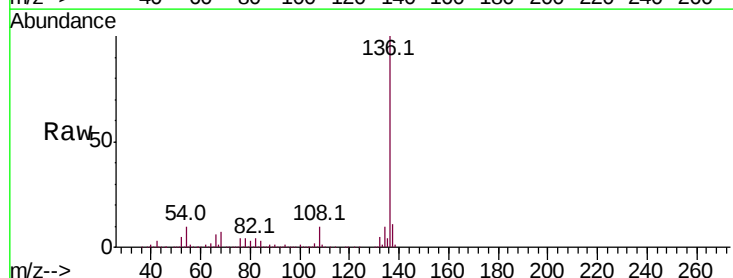
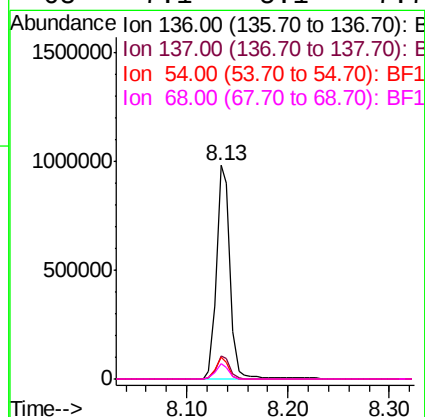
RT: 8.13 min Scan# 1028

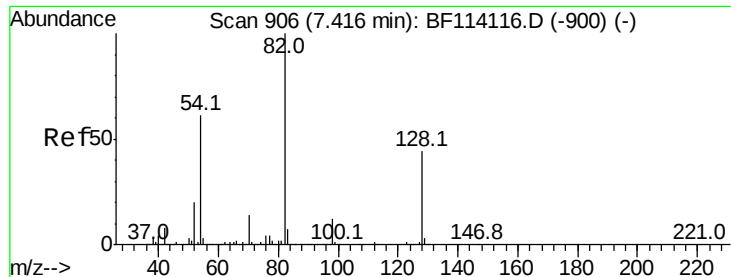
Delta R.T. -0.00 min

Lab File: BF114252.D

Acq: 14 May 2019 9:49

Tgt Ion:	136	Resp:	923421
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	10.4	7.8	11.8
68	7.1	5.1	7.7





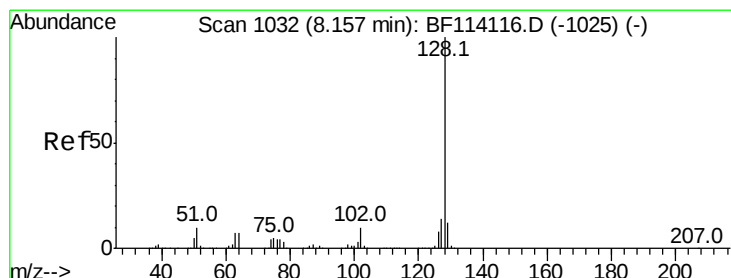
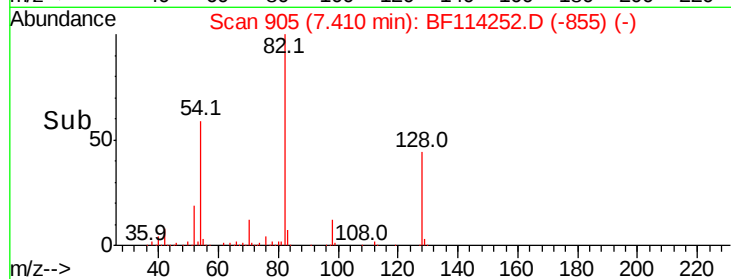
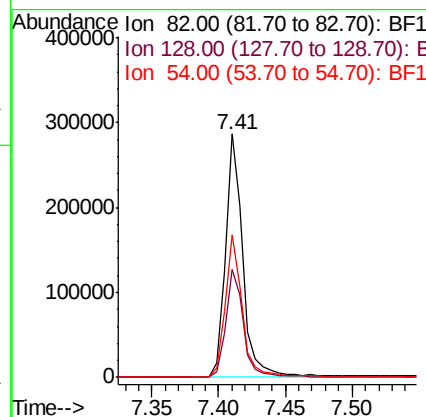
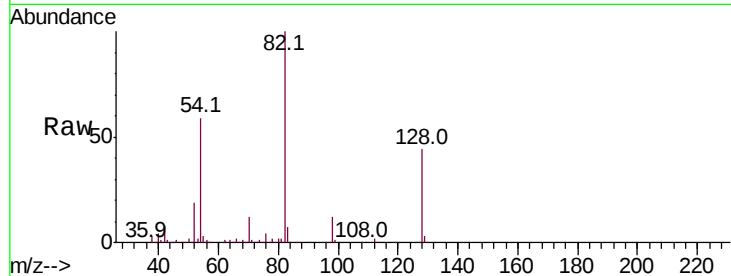
#23
 Nitrobenzene-d5
 Concen: 16.127 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF114252.D
 Acq: 14 May 2019 9:49

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS001-0002-01DL

Tot Ion:	82	Resp:	265357
Ion Ratio	Lower	Upper	
82	100		
128	44.5	35.5	53.3
54	58.8	48.5	72.7

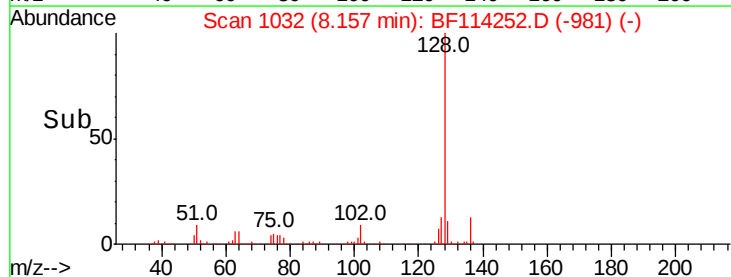
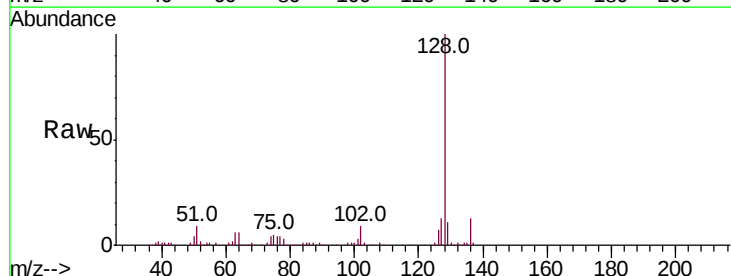
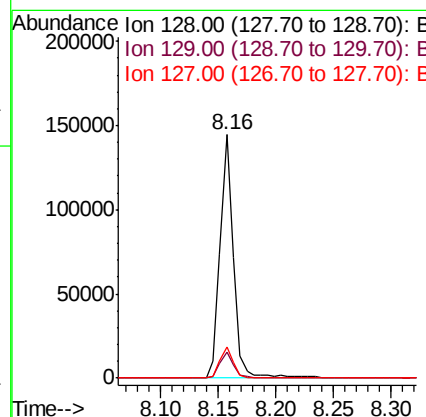
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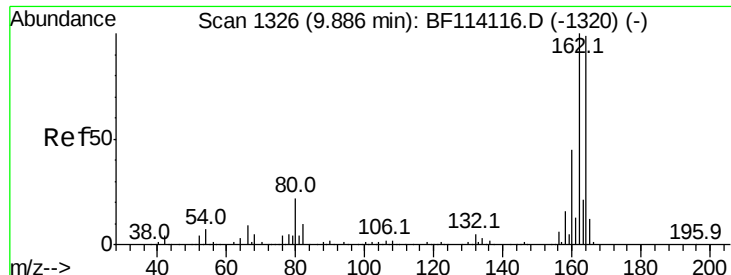
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#31
 Naphthalene
 Concen: 2.706 ng
 RT: 8.16 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BF114252.D
 Acq: 14 May 2019 9:49

Tgt Ion:	128	Resp:	116736
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.6	14.4
127	13.0	11.3	16.9





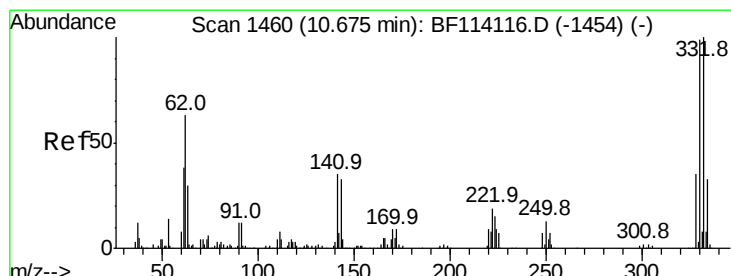
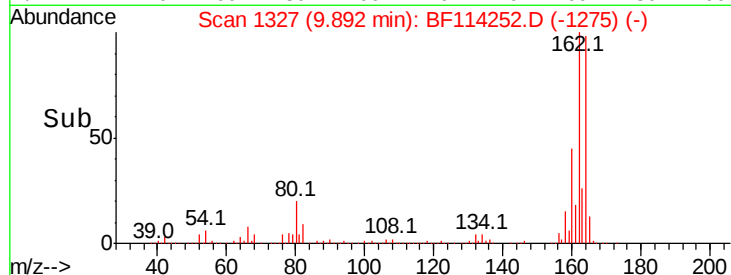
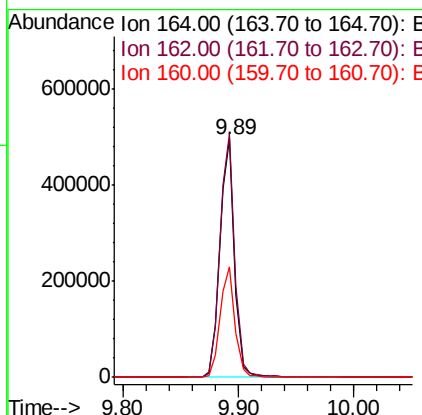
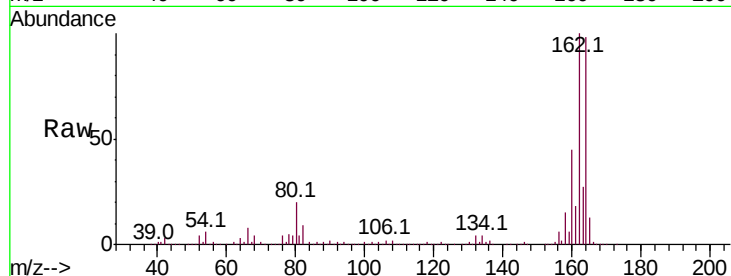
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
ClientSampleId :
P026-SS001-0002-01DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.2	80.6	120.8	
160	46.2	36.5	54.7	

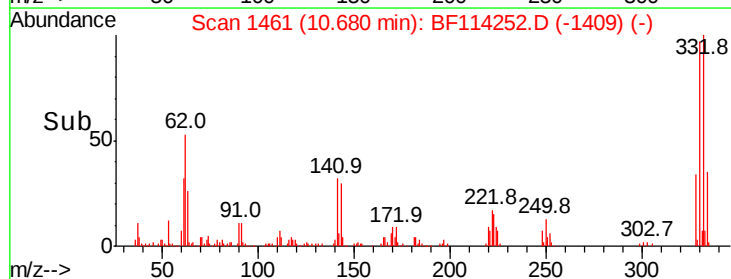
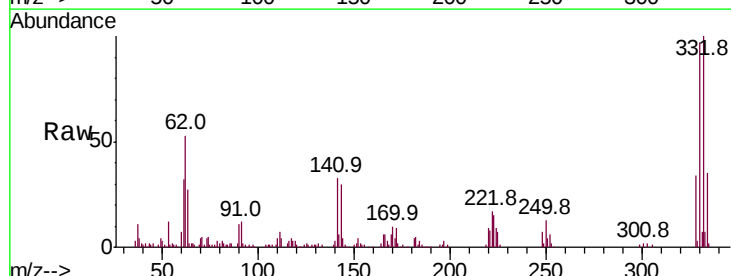
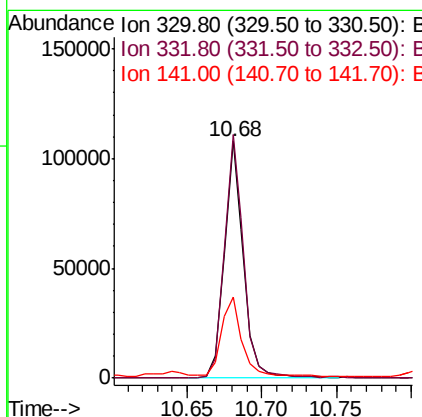
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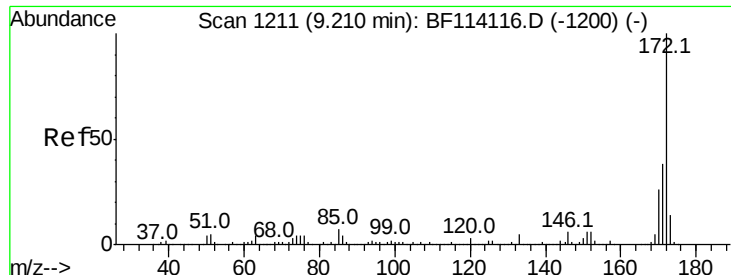
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#42
2,4,6-Tribromophenol
Concen: 21.718 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.01 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	104.1	81.4	122.2	
141	37.7	26.6	40.0	





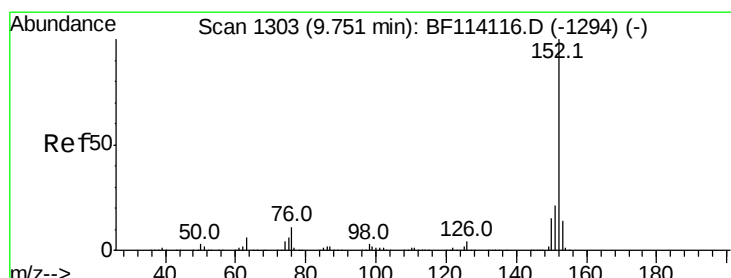
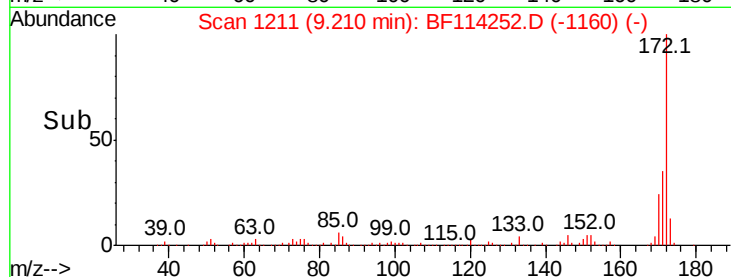
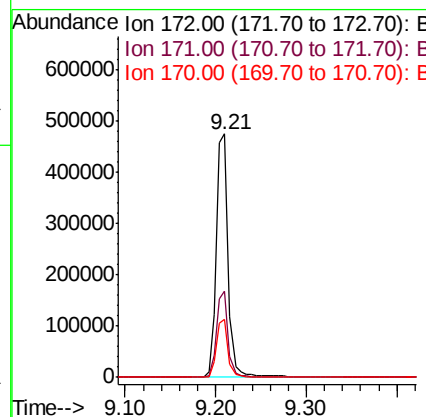
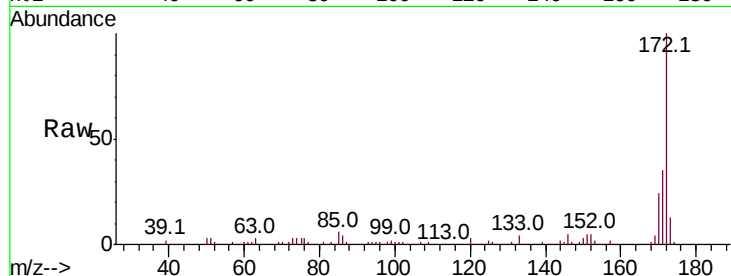
#45
2-Fluorobiphenyl
Concen: 15.524 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.00 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
ClientSampleId :
P026-SS001-0002-01DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.7	46.1
170	23.6	20.5	30.7

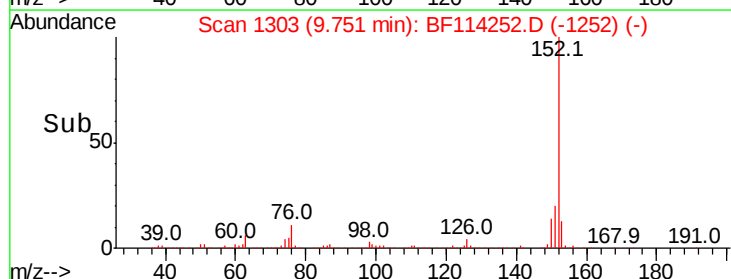
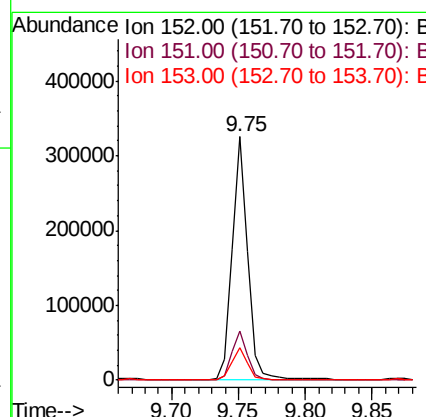
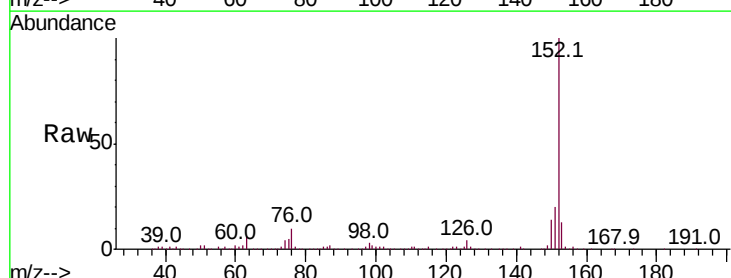
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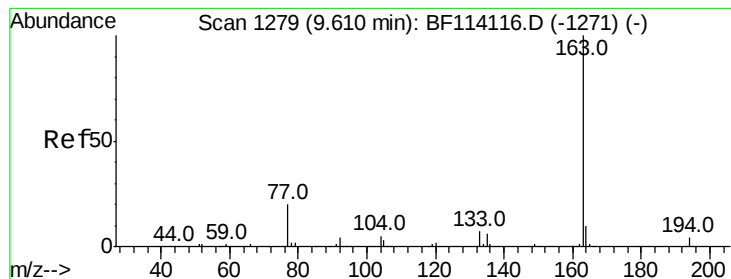
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#49
Acenaphthylene
Concen: 6.185 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.8	25.2
153	13.4	11.4	17.2





#50

Dimethylphthalate

Concen: 2.271 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF114252.D

Acq: 14 May 2019 9:49

Instrument :

BNA_F

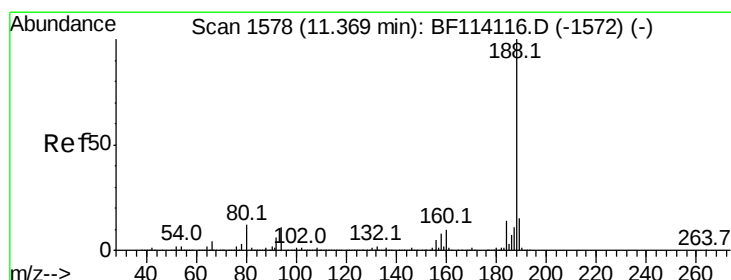
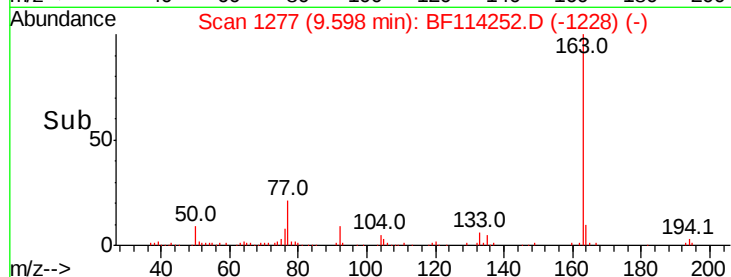
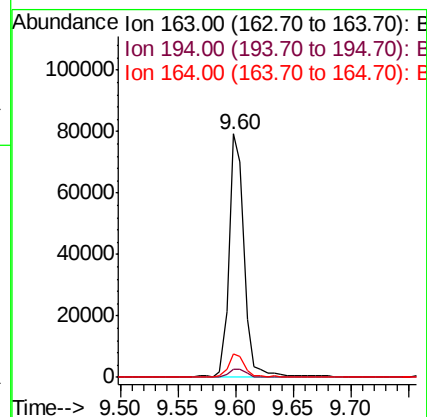
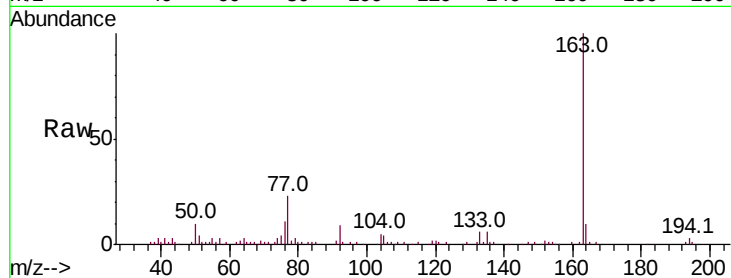
ClientSampleId :

P026-SS001-0002-01DL

Tot Ion:	163	Resp:	72299
Ion Ratio	Lower	Upper	
163	100		
194	3.5	3.4	5.0
164	9.6	8.2	12.2

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#64

Phenanthrene-d10

Concen: 20.000 ng

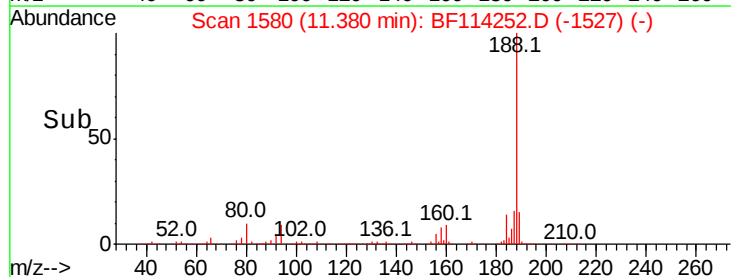
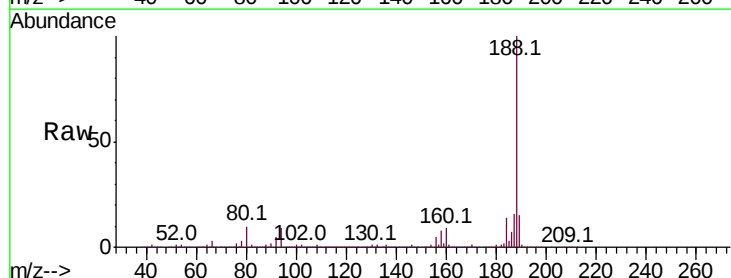
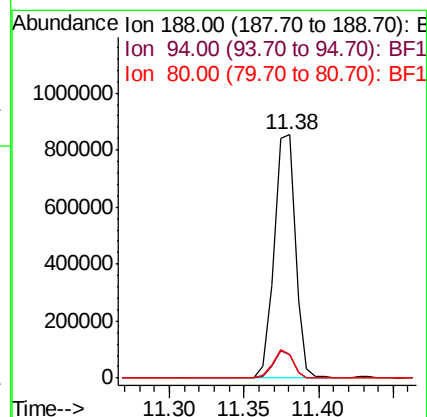
RT: 11.38 min Scan# 1580

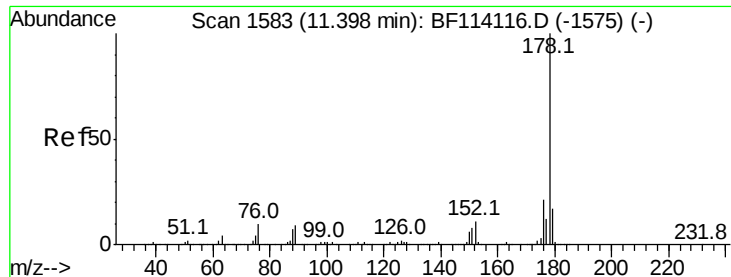
Delta R.T. 0.01 min

Lab File: BF114252.D

Acq: 14 May 2019 9:49

Tgt Ion:	188	Resp:	844109
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.4	12.6
80	9.7	9.2	13.8





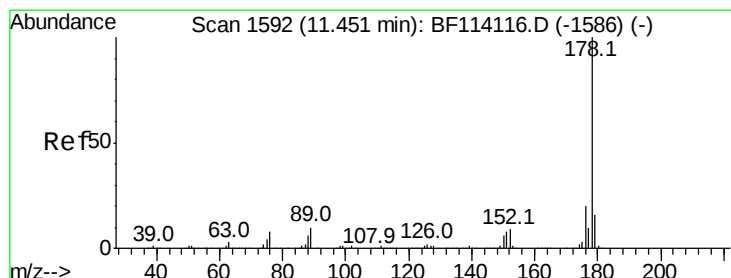
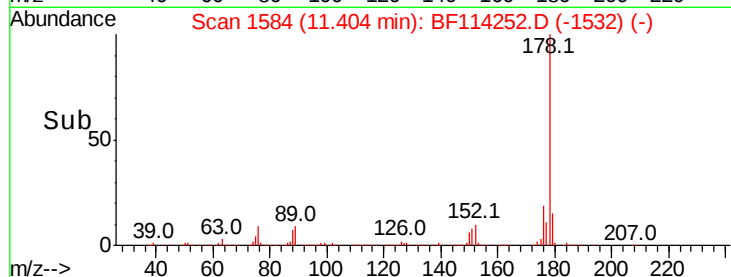
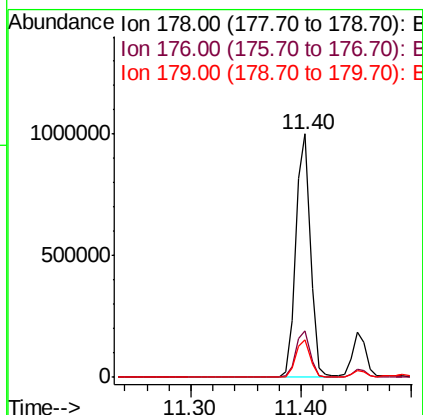
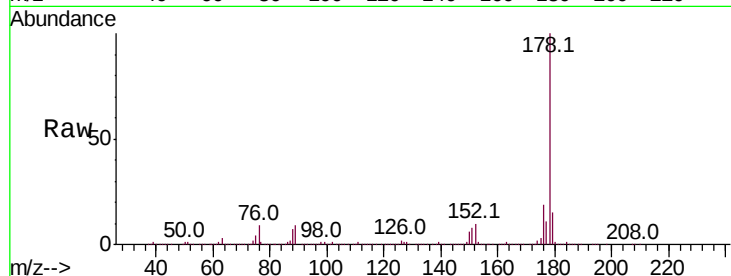
#71
Phenanthrene
Concen: 21.656 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
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P026-SS001-0002-01DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.4	24.6
179	15.2	13.2	19.8

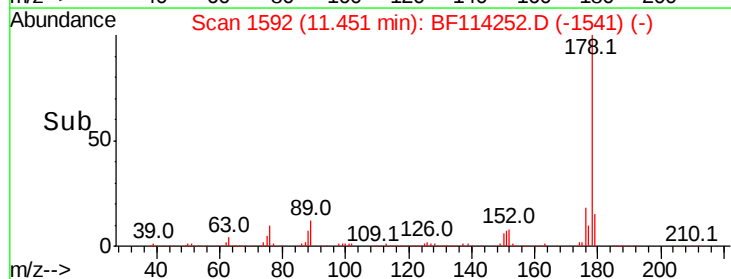
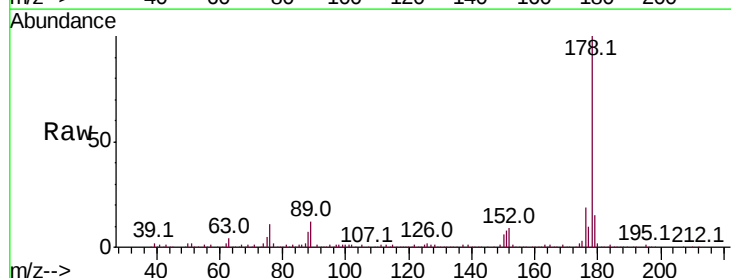
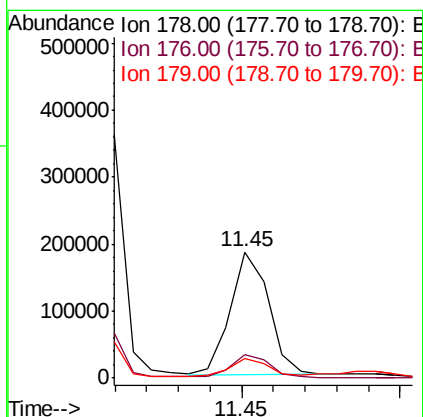
Manual Integrations
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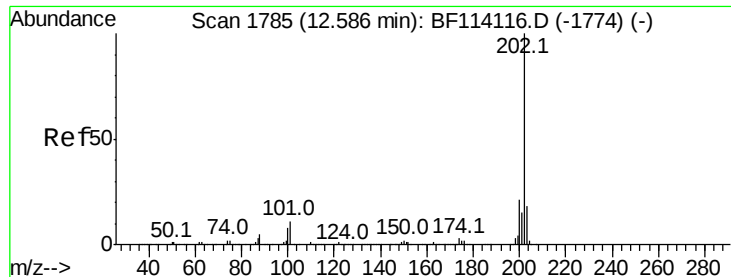
Sohil
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#72
Anthracene
Concen: 3.749 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.3	13.0	19.4





#75

Fluoranthene

Concen: 32.169 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.01 min

Lab File: BF114252.D

Acq: 14 May 2019 9:49

Instrument :

BNA_F

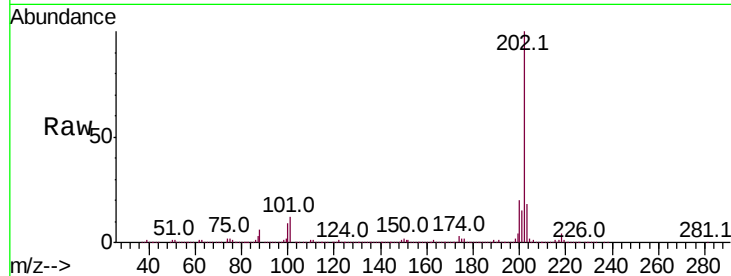
ClientSampleId :

P026-SS001-0002-01DL

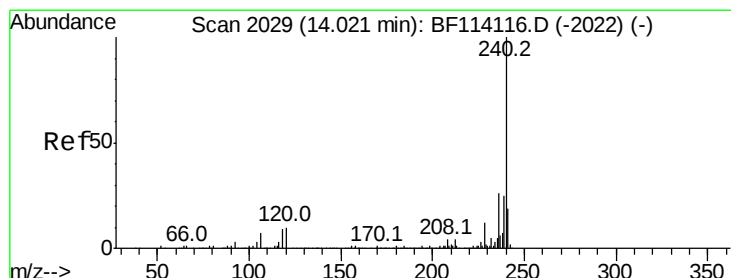
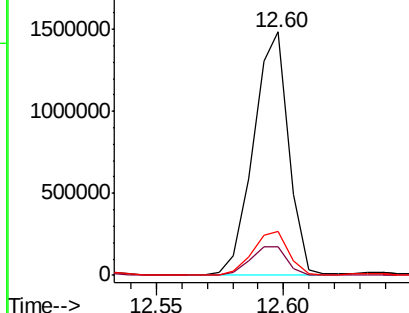
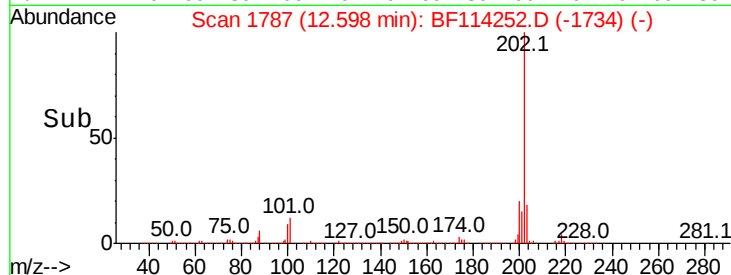
Tot Ion:	202	Resp:	1422621
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.0
203	18.1	0.0	38.4

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Abundance Ion 202.00 (201.70 to 202.70): E
2000000
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

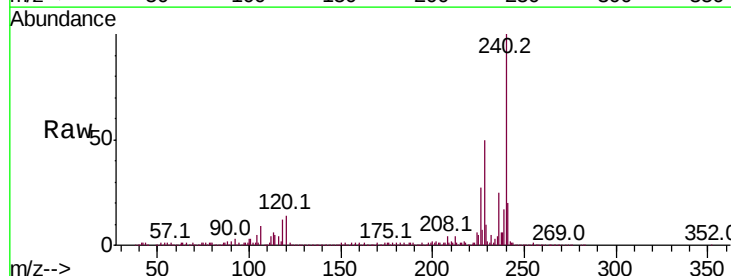
RT: 14.03 min Scan# 2030

Delta R.T. 0.01 min

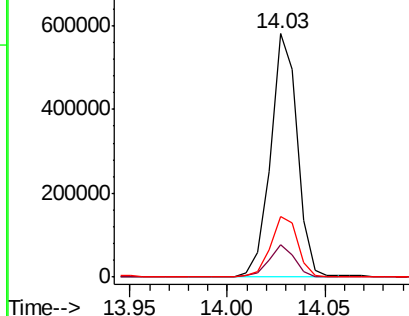
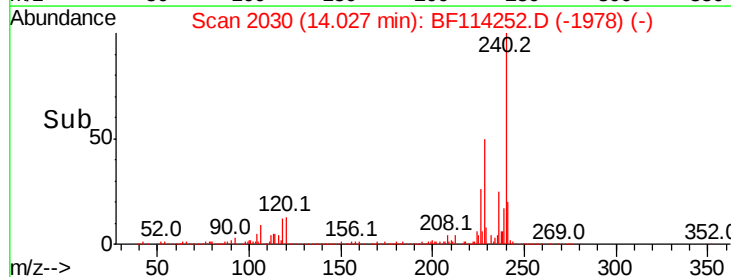
Lab File: BF114252.D

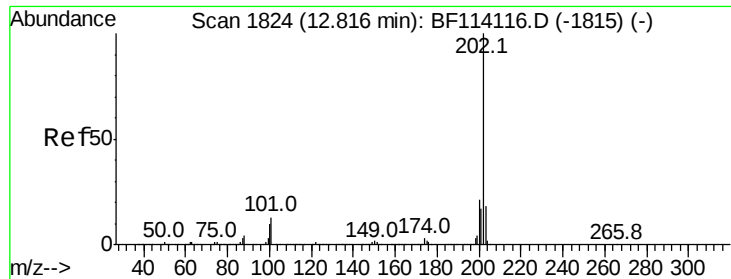
Acq: 14 May 2019 9:49

Tgt Ion:	240	Resp:	547735
Ion	Ratio	Lower	Upper
240	100		
120	13.5	8.3	12.5#
236	25.0	20.8	31.2



Abundance Ion 240.00 (239.70 to 240.70): E
800000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 53.668 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF114252.D

Acq: 14 May 2019 9:49

Instrument :

BNA_F

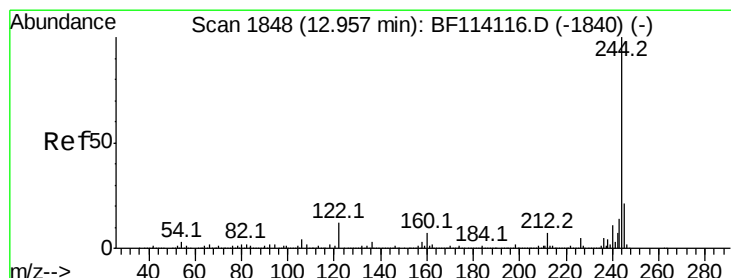
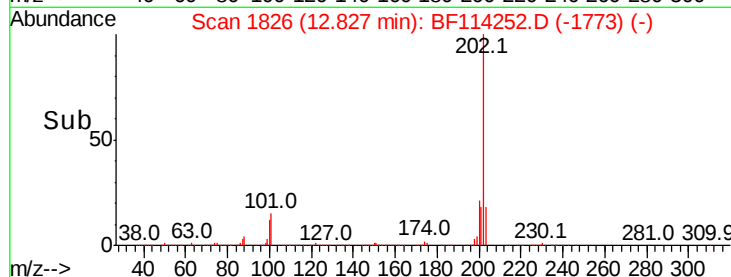
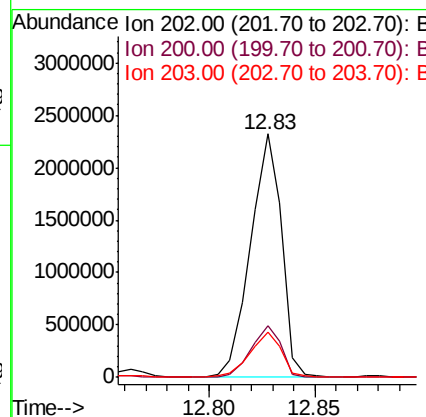
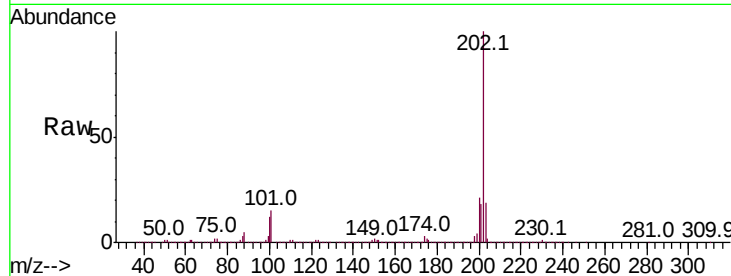
ClientSampleId :

P026-SS001-0002-01DL

Tot Ion:	202	Resp:	2364741
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.9	25.3
203	18.5	14.5	21.7

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#79

Terphenyl-d14

Concen: 15.348 ng

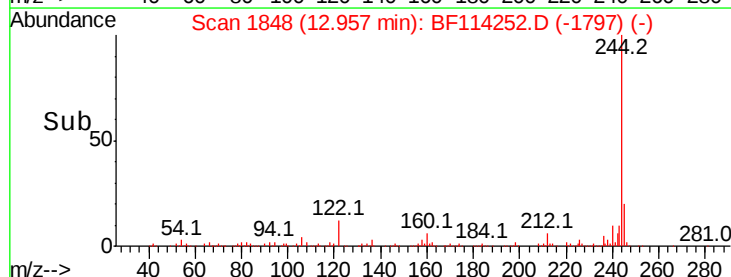
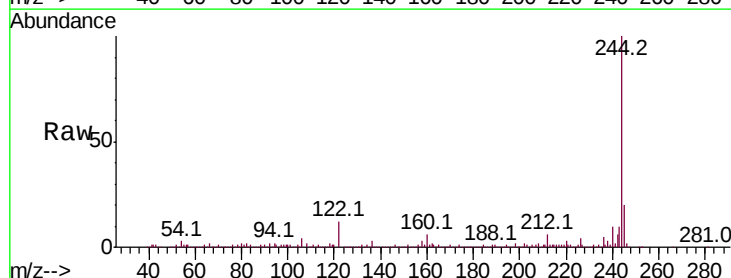
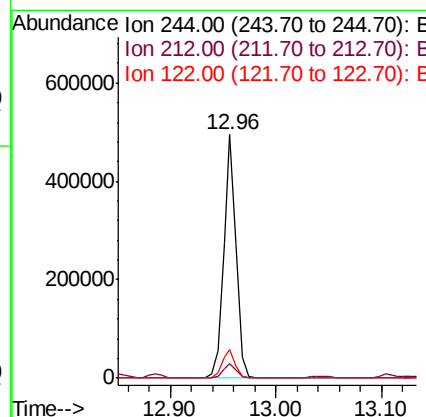
RT: 12.96 min Scan# 1848

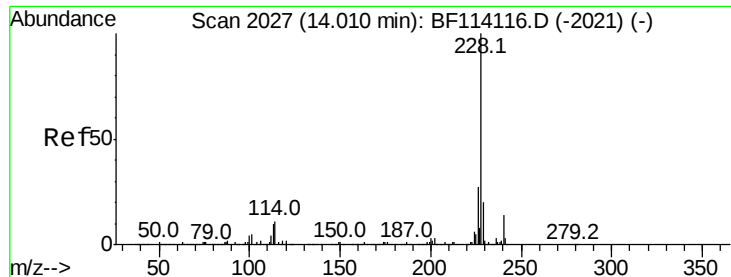
Delta R.T. -0.00 min

Lab File: BF114252.D

Acq: 14 May 2019 9:49

Tgt Ion:	244	Resp:	407799
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.8	8.6
122	12.0	9.4	14.2





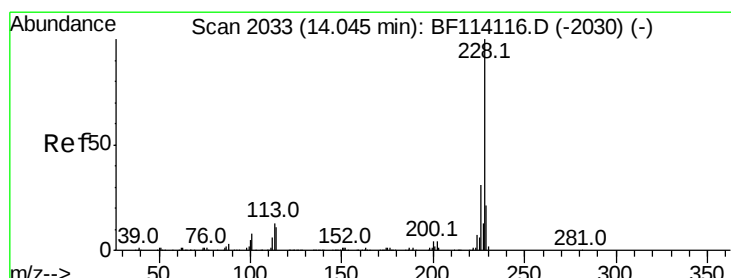
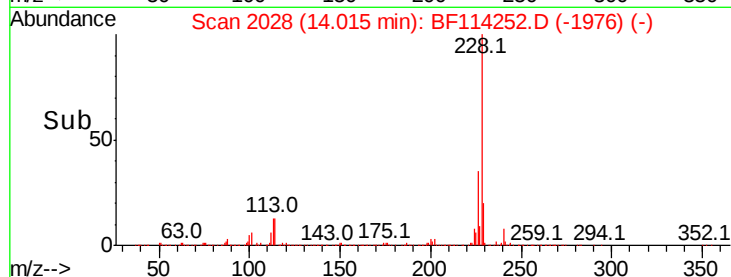
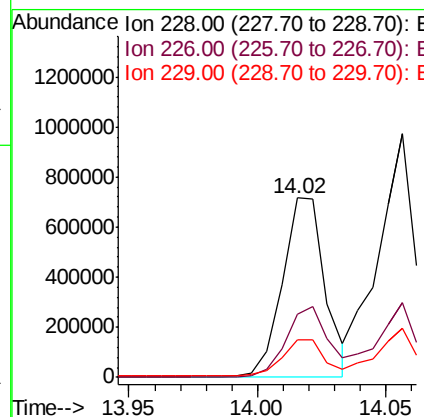
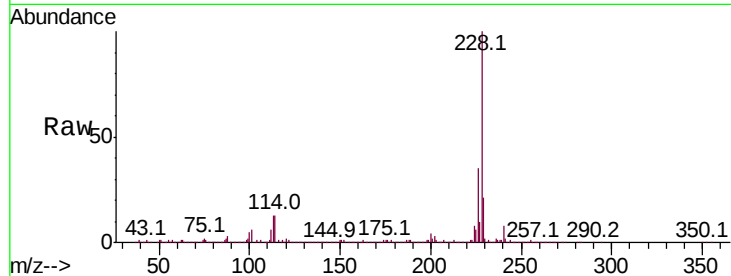
#81
Benzo(a)anthracene
Concen: 23.495 ng m
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
ClientSampleId :
P026-SS001-0002-01DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.0	22.2	33.2#
229	20.6	16.4	24.6

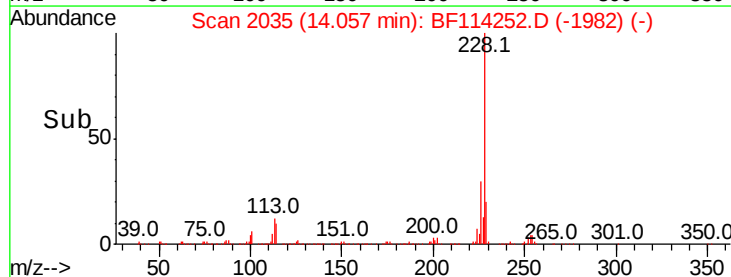
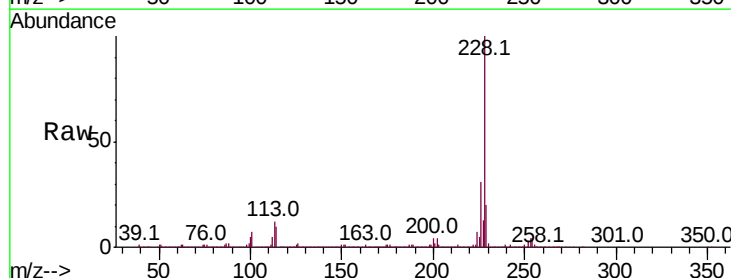
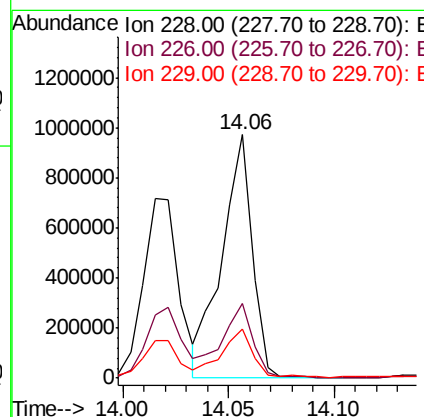
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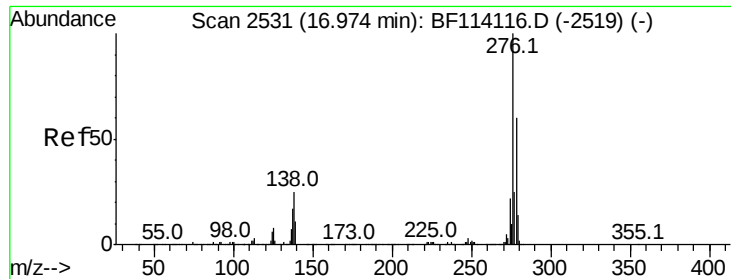
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#83
Chrysene
Concen: 27.611 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	20.4	17.0	25.6





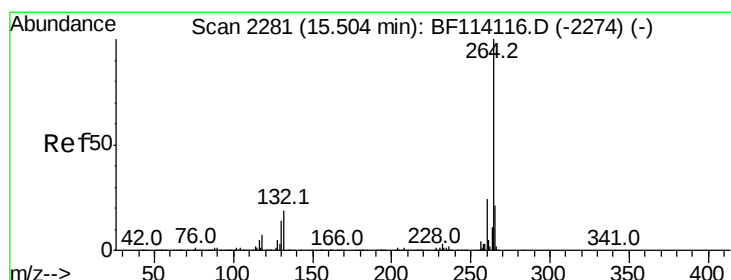
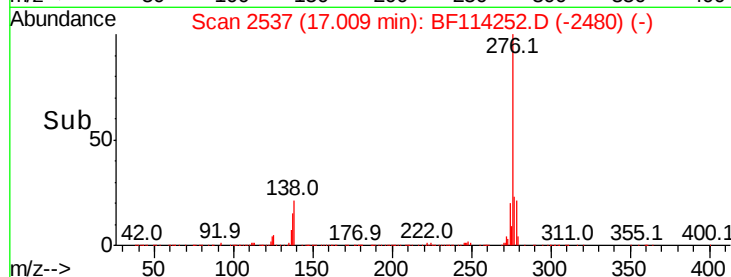
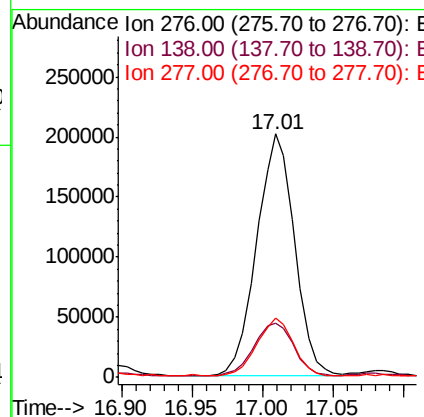
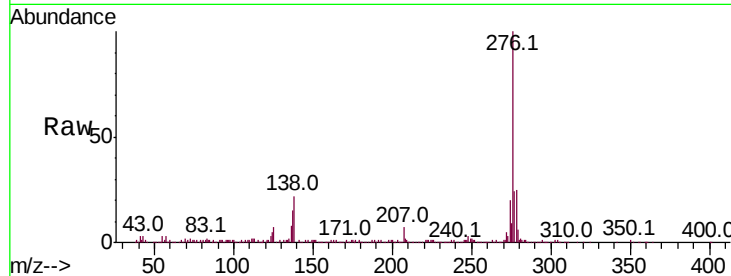
#86
Indeno(1,2,3-cd)pyrene
Concen: 12.345 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.04 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
ClientSampleId :
P026-SS001-0002-01DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	20.2	30.2
277	23.5	20.0	30.0

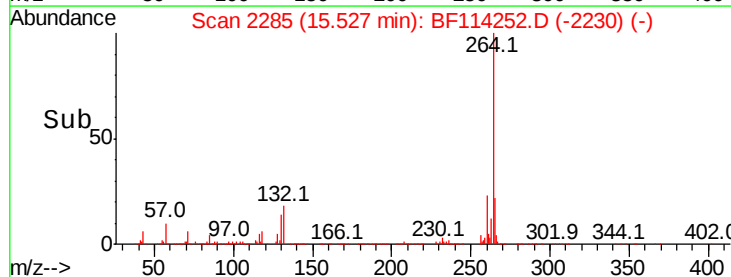
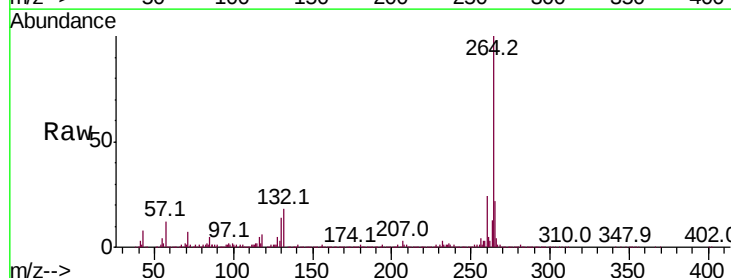
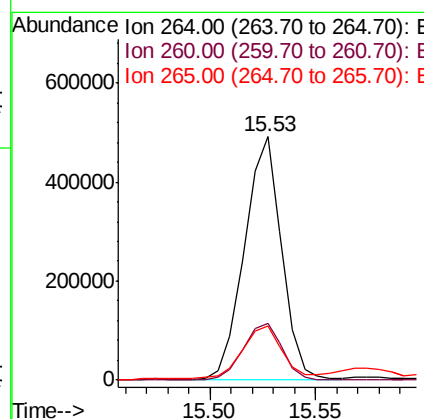
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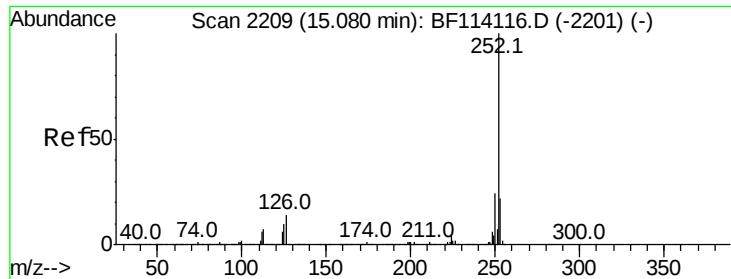
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.02 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.0
265	22.1	16.9	25.3





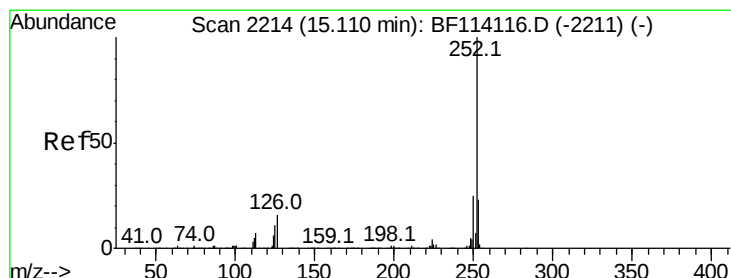
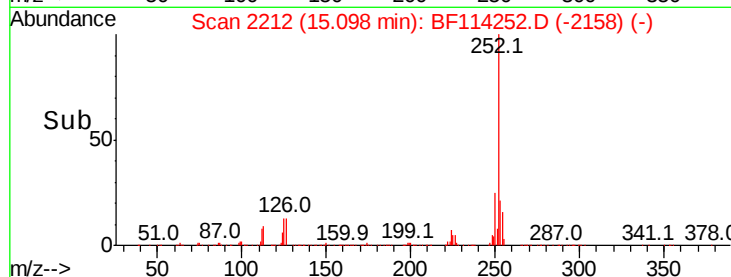
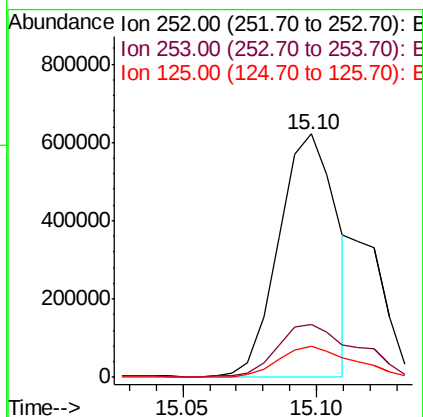
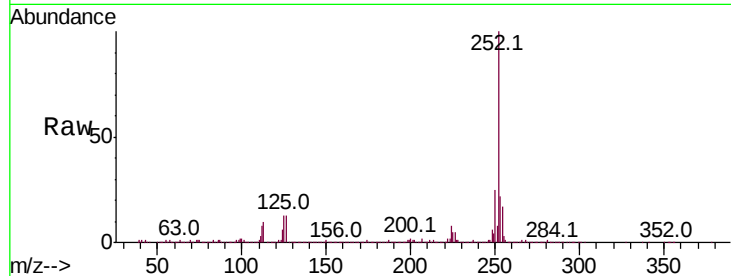
#88
Benzo(b)fluoranthene
Concen: 24.354 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.02 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
ClientSampleId :
P026-SS001-0002-01DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	12.9	8.3	12.5

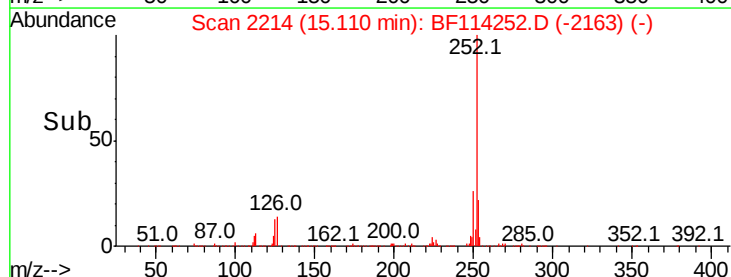
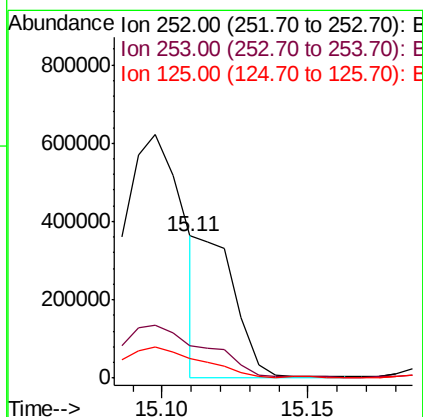
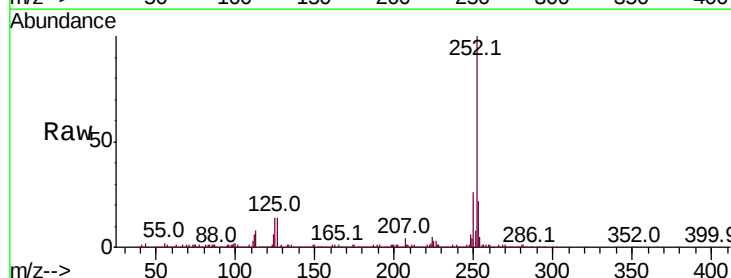
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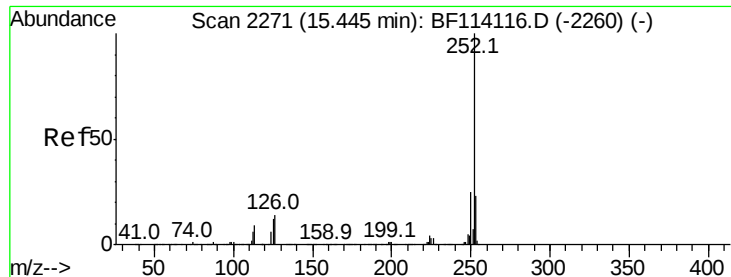
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#89
Benzo(k)fluoranthene
Concen: 8.973 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.00 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	13.9	8.6	13.0





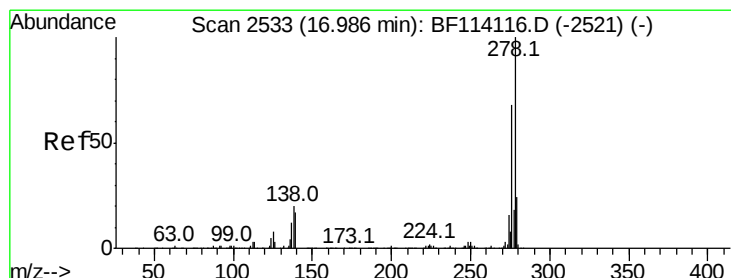
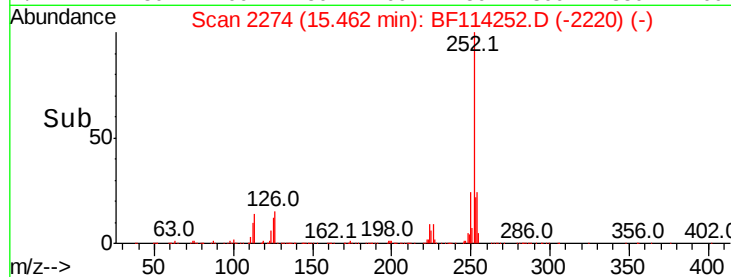
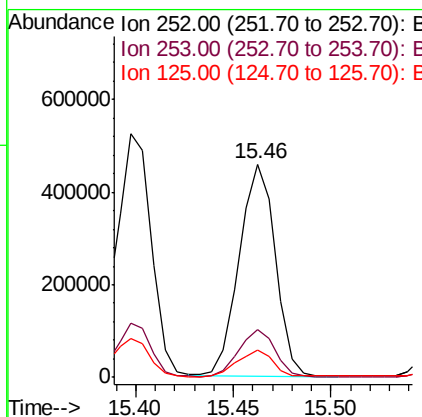
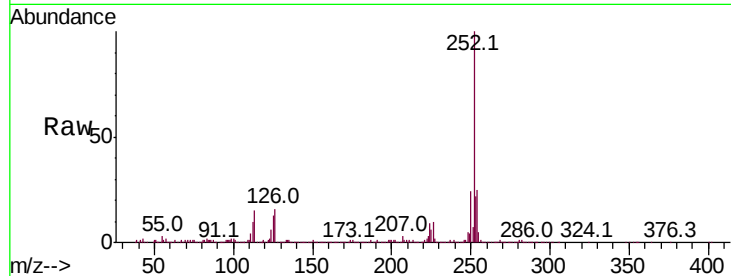
#90
Benzo(a)pyrene
Concen: 17.539 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.02 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Instrument :
BNA_F
ClientSampleId :
P026-SS001-0002-01DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	12.6	9.5	14.3

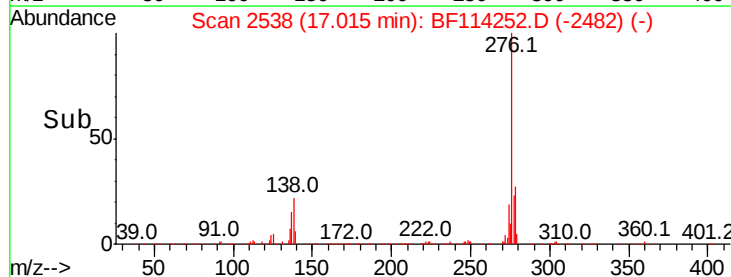
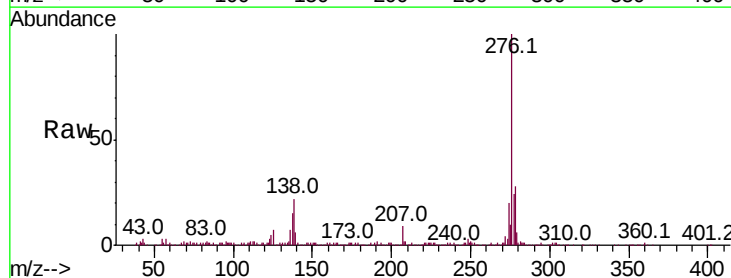
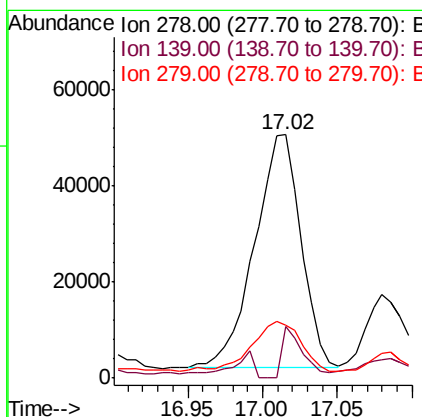
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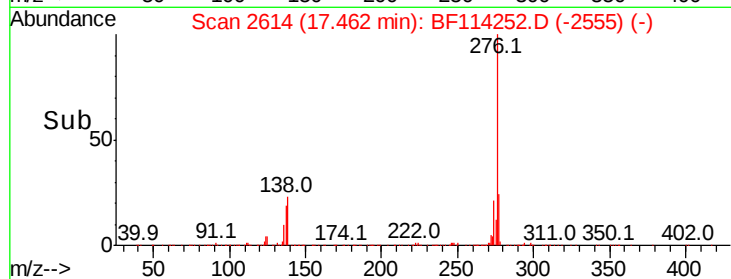
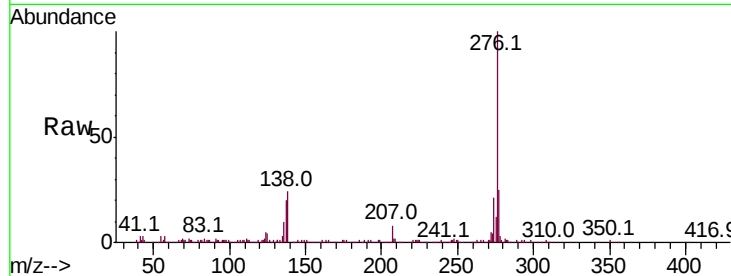
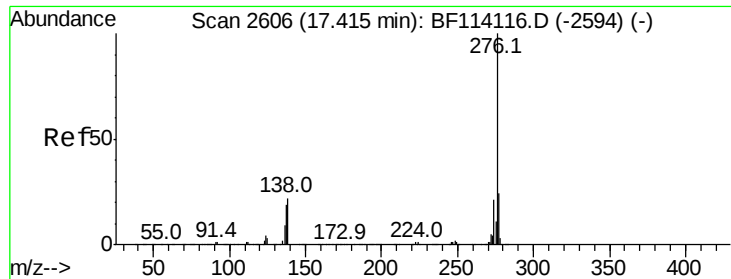
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#91
Dibenzo(a,h)anthracene
Concen: 3.728 ng m
RT: 17.02 min Scan# 2538
Delta R.T. 0.03 min
Lab File: BF114252.D
Acq: 14 May 2019 9:49

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.3	13.5	20.3#
279	21.9	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 14.650 ng
 RT: 17.46 min Scan# 2614
 Delta R.T. 0.05 min
 Lab File: BF114252.D
 Acq: 14 May 2019 9:49

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS001-0002-01DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.0	28.4
138	23.9	17.8	26.6

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