

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
 Data File : BF114249.D
 Acq On : 14 May 2019 00:59
 Operator : JU/SJ
 Sample : K2766-06DL 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS007-0206-01DL

Manual Integrations
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Sohil
 5/14/2019 8:03:36 PM

Quant Time: May 14 13:33:56 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	6.86	152	241010	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	959187	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	452440	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	813896	20.00	ng	0.01
76) Chrysene-d12	14.02	240	585470	20.00	ng	0.00
87) Perylene-d12	15.50	264	558240	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	585996	39.13	ng	0.00
7) Phenol-d6	6.50	99	790348	44.62	ng	0.00
23) Nitrobenzene-d5	7.41	82	469368	27.46	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	172950	36.98	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	781287	26.12	ng	0.00
79) Terphenyl-d14	12.96	244	634525	22.34	ng	0.00
Target Compounds						
31) Naphthalene	8.16	128	149465	3.336	ng	96
37) 2-Methylnaphthalene	8.85	142	62446	2.160	ng	94
49) Acenaphthylene	9.75	152	268776	6.008	ng	97
50) Dimethylphthalate	9.60	163	105533	3.177	ng	97
71) Phenanthrene	11.40	178	1000290	25.262	ng	98
72) Anthracene	11.45	178	163280	4.105	ng	97
75) Fluoranthene	12.59	202	1185238	27.796	ng	98
78) Pyrene	12.83	202	2039215	43.297	ng	100
81) Benzo(a)anthracene	14.01	228	754111m	19.914	ng	
83) Chrysene	14.05	228	868790	23.404	ng	98
86) Indeno(1,2,3-cd)pyrene	16.99	276	291096	8.873	ng	96
88) Benzo(b)fluoranthene	15.07	252	839015m	23.460	ng	
89) Benzo(k)fluoranthene	15.10	252	227811m	6.934	ng	
90) Benzo(a)pyrene	15.44	252	533401	16.947	ng	97
91) Dibenzo(a,h)anthracene	16.99	278	79130m	3.025	ng	
92) Benzo(g,h,i)perylene	17.43	276	327551	12.497	ng	98

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

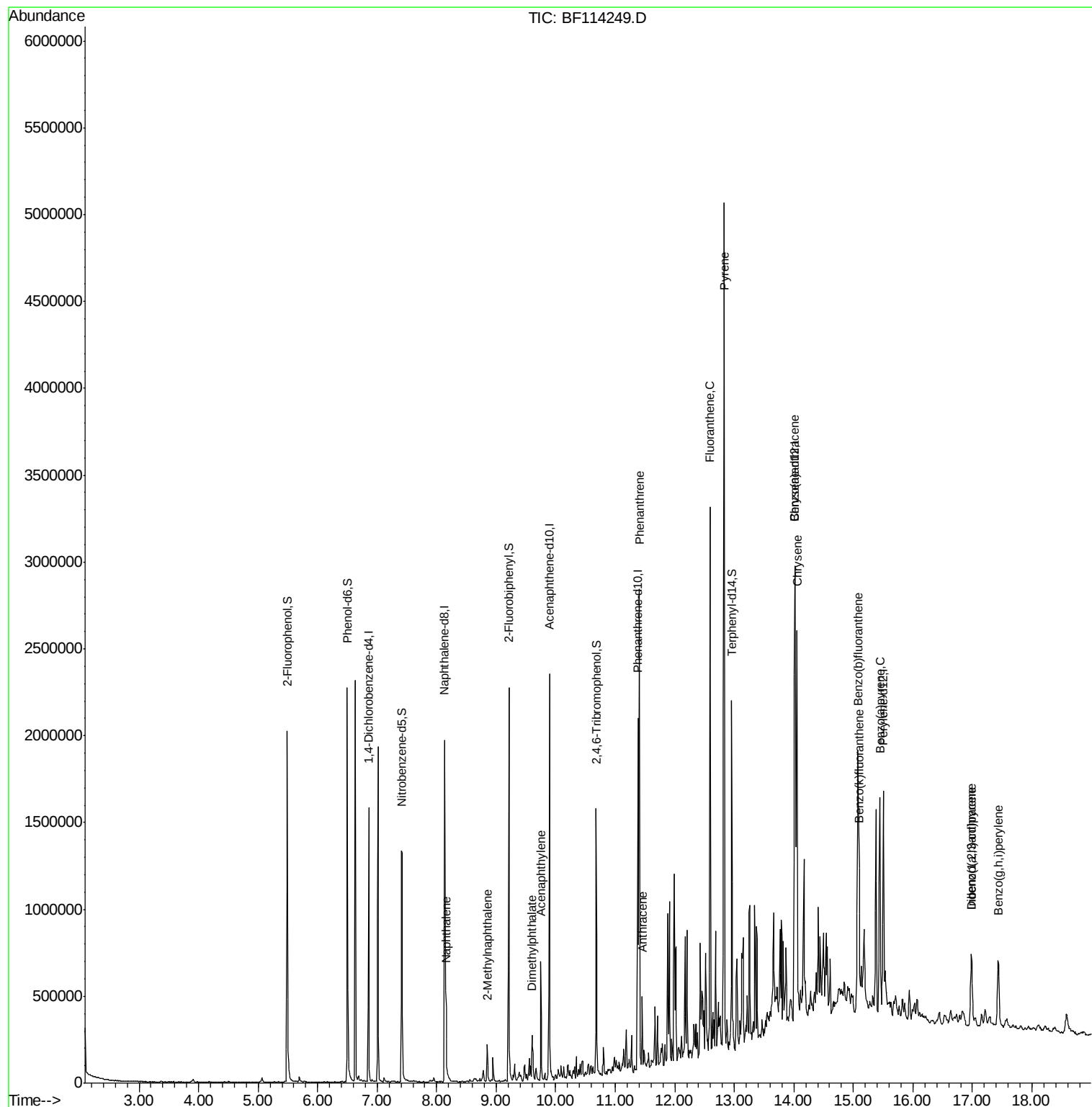
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114249.D
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ALS Vial : 28 Sample Multiplier: 1

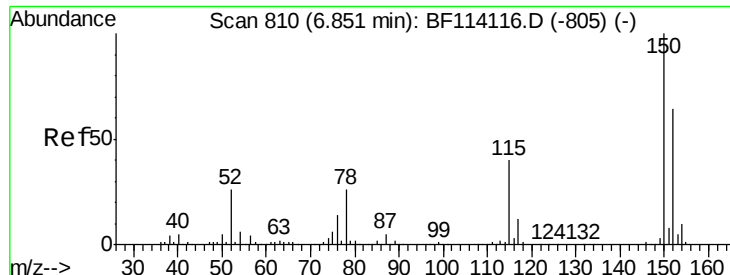
Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

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Quant Time: May 14 13:33:56 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

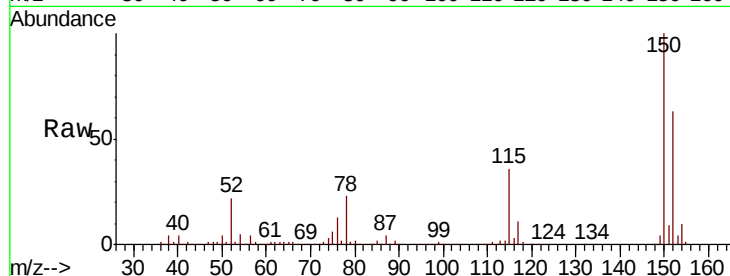
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.3	186.5
115	56.8	49.1	73.7

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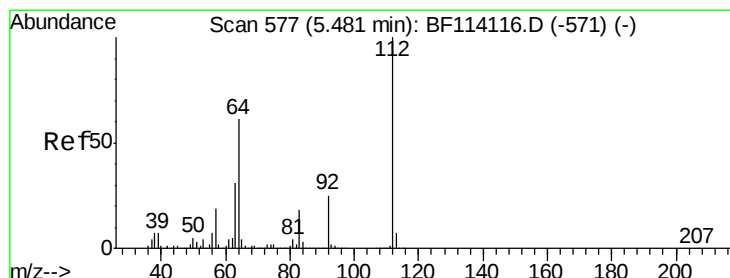
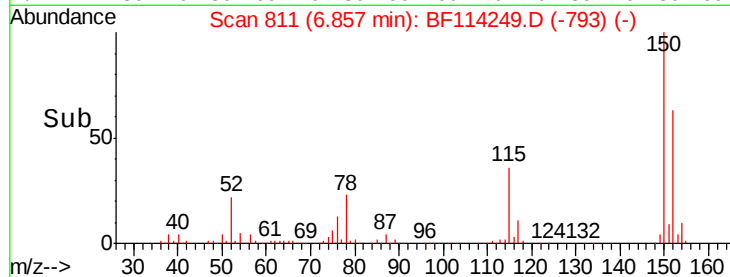
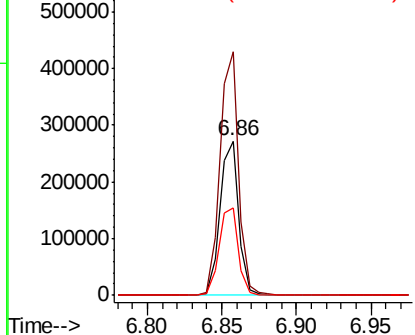


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

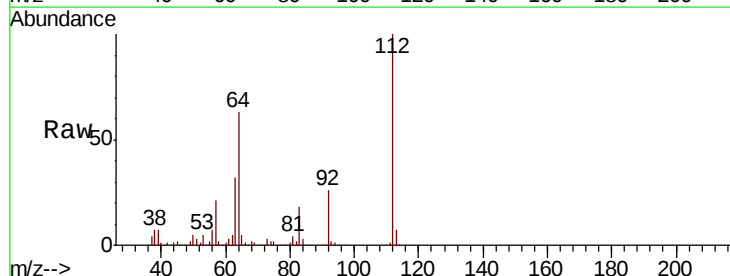
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 39.128 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	49.0	73.6
63	32.4	24.6	37.0

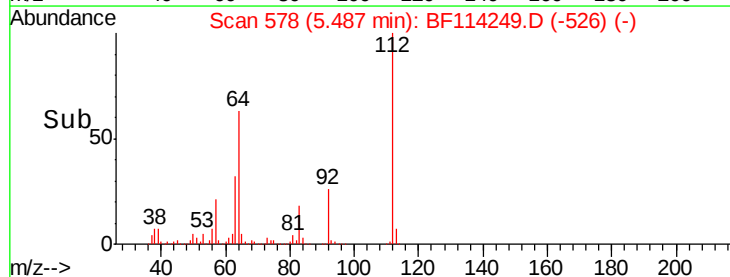
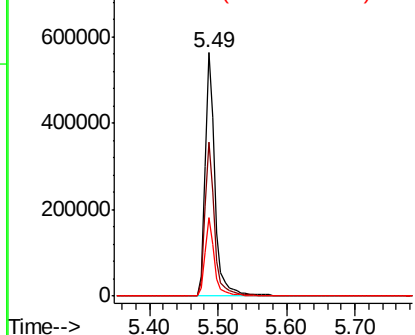


Abundance

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: 44.619 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF114249.D

Acq: 14 May 2019 00:59

Instrument :

BNA_F

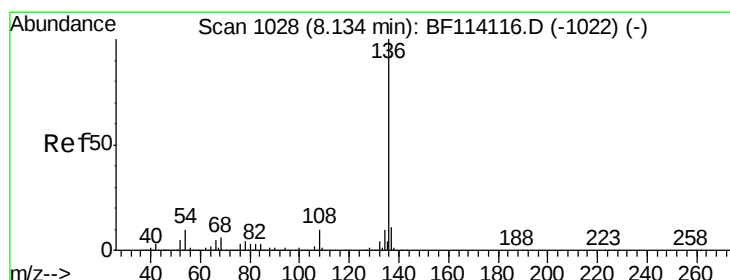
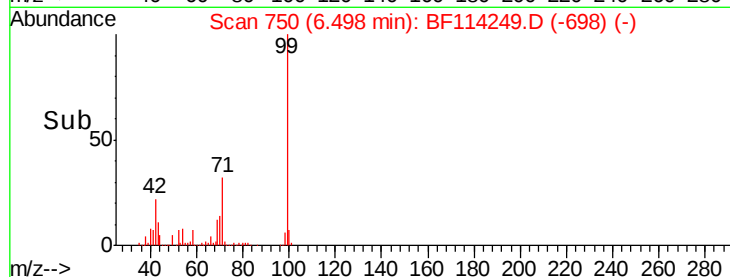
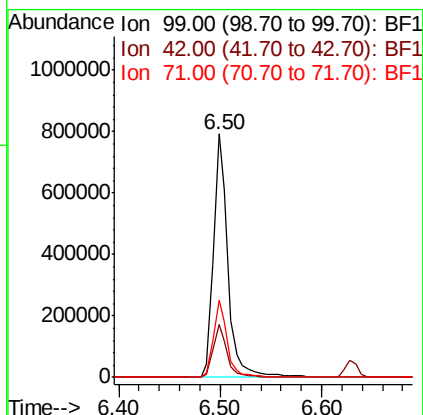
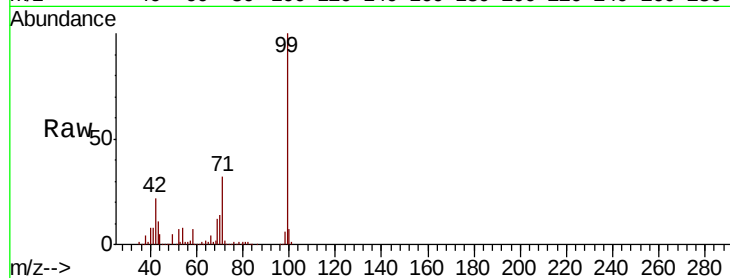
ClientSampleId :

P026-SS007-0206-01DL

Tot Ion:	99	Resp:	790348
Ion Ratio	Lower	Upper	
99	100		
42	21.6	17.9	26.9
71	31.9	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

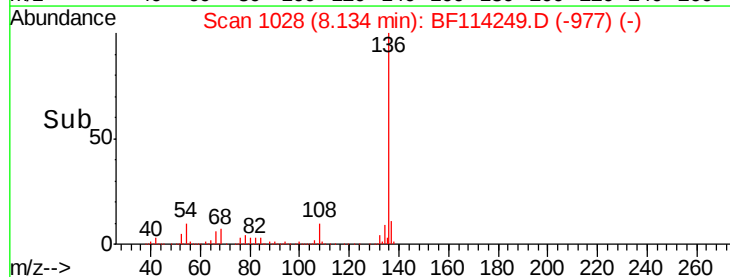
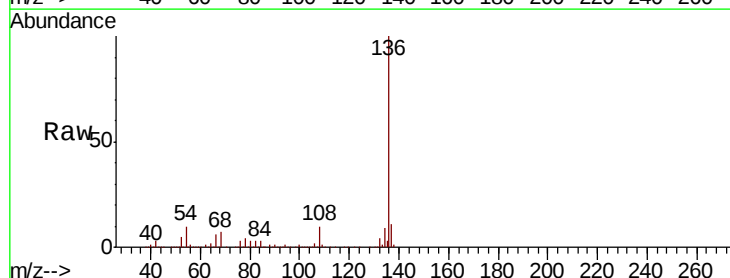
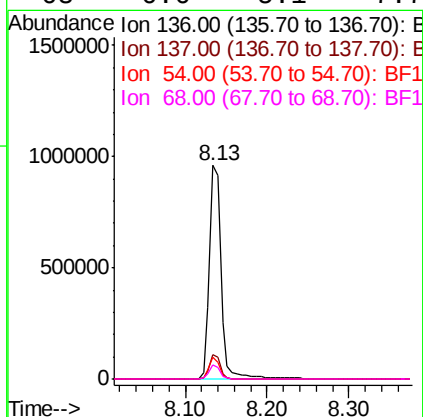
RT: 8.13 min Scan# 1028

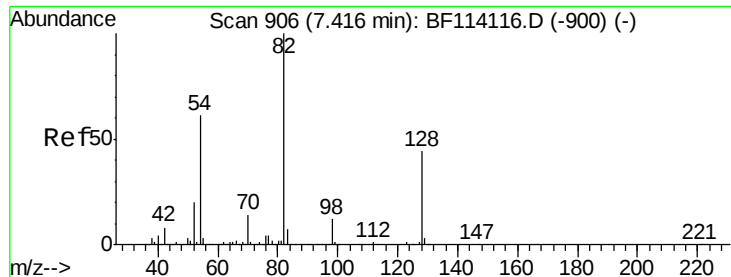
Delta R.T. 0.00 min

Lab File: BF114249.D

Acq: 14 May 2019 00:59

Tgt Ion:	136	Resp:	959187
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.8	13.2
54	10.2	7.8	11.8
68	6.6	5.1	7.7





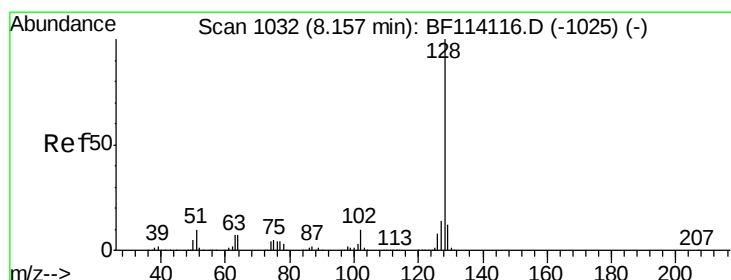
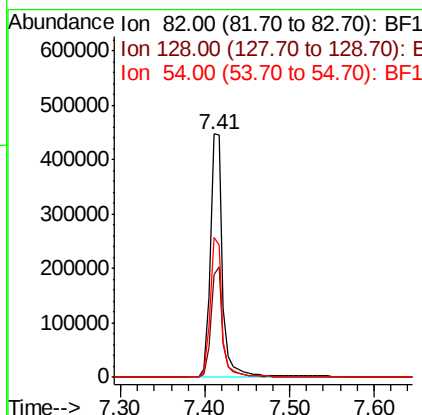
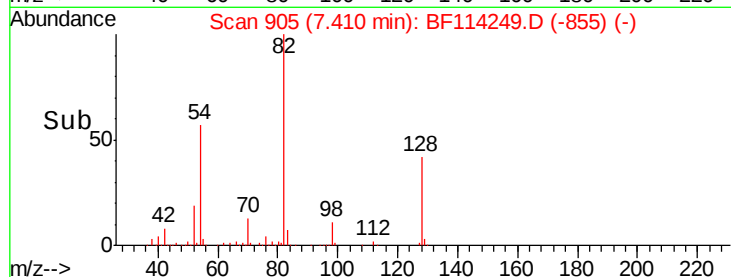
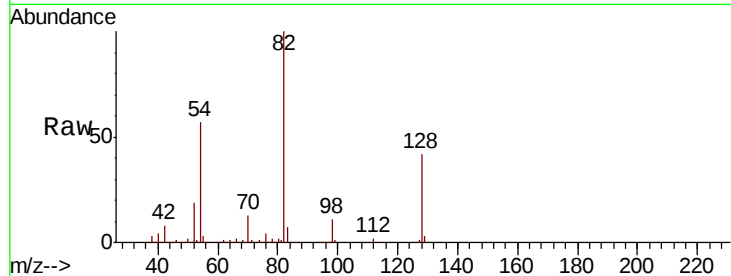
#23
Nitrobenzene-d5
Concen: 27.462 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	469368		
128	42.3	35.5	53.3	
54	57.5	48.5	72.7	

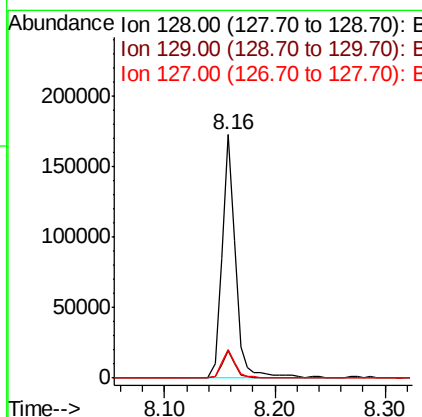
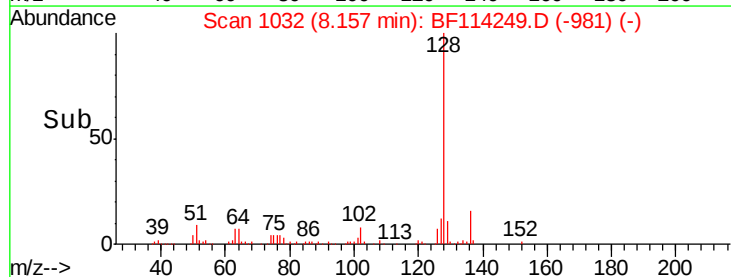
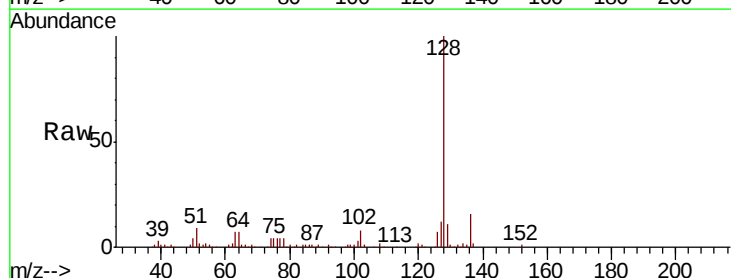
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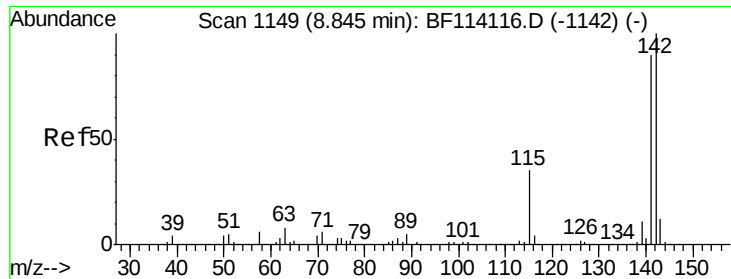
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#31
Naphthalene
Concen: 3.336 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	149465		
129	11.3	9.6	14.4	
127	11.8	11.3	16.9	





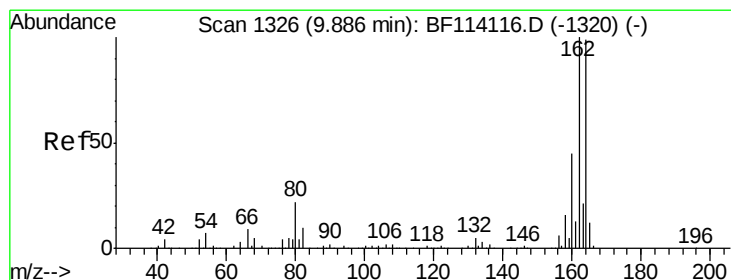
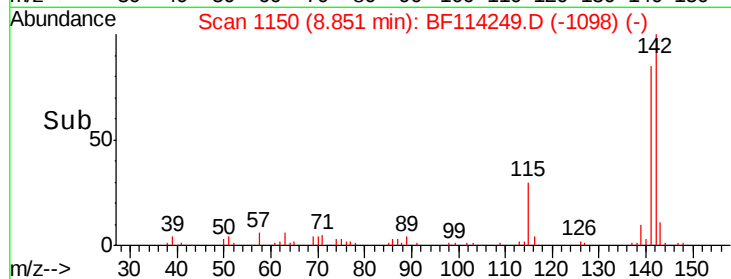
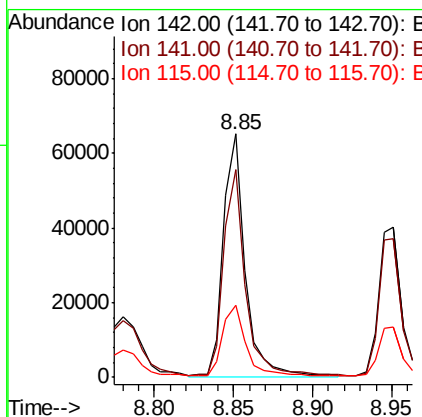
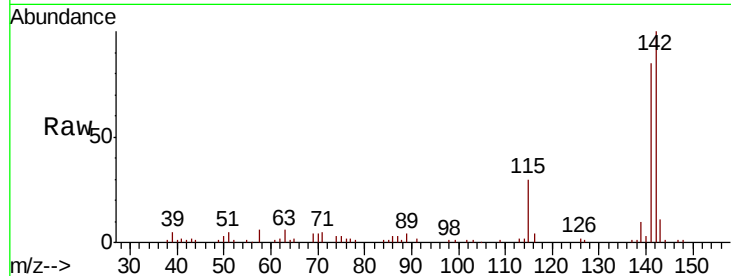
#37
2-Methylnaphthalene
Concen: 2.160 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.3	72.1	108.1
115	29.8	28.0	42.0

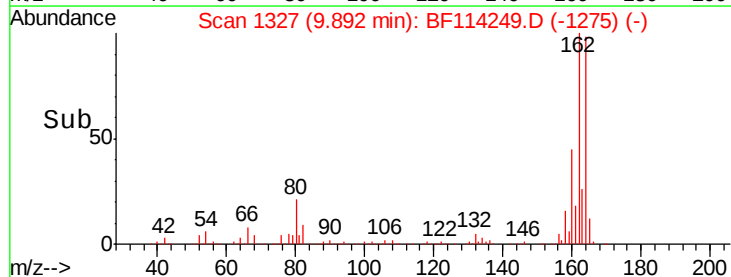
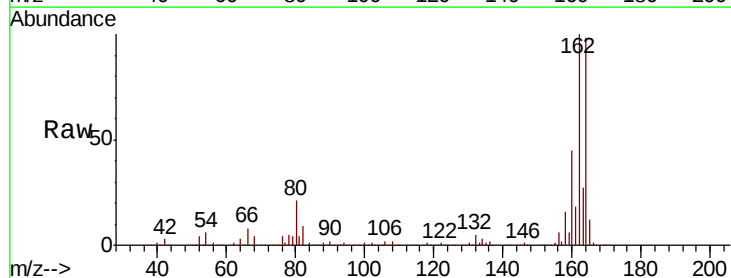
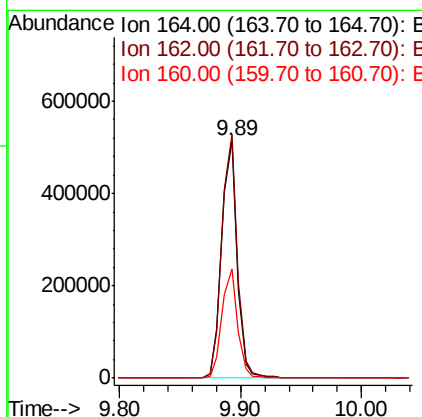
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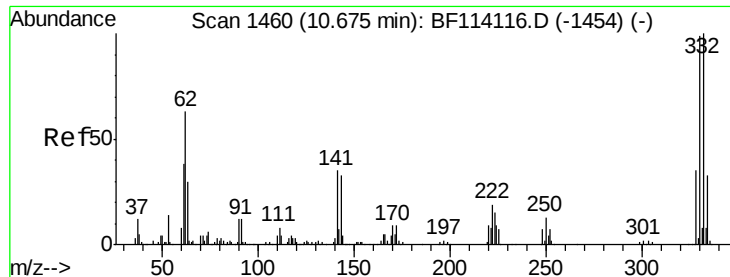
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	80.6	120.8
160	46.1	36.5	54.7





#42

2,4,6-Tribromophenol

Concen: 36.975 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.01 min

Lab File: BF114249.D

Acq: 14 May 2019 00:59

Instrument :

BNA_F

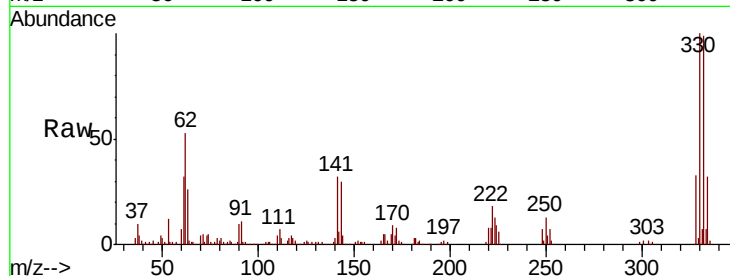
ClientSampleId :

P026-SS007-0206-01DL

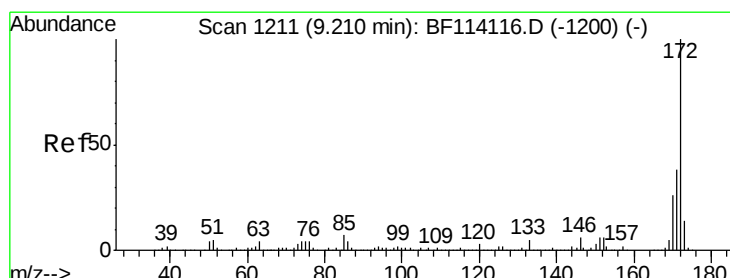
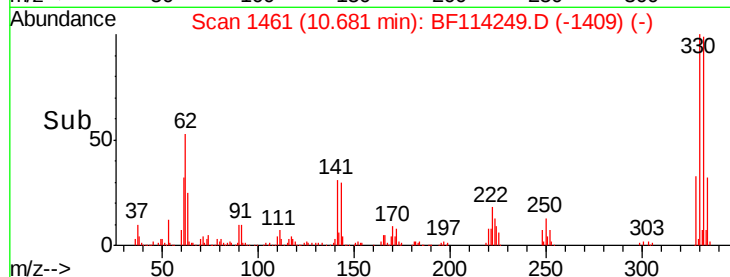
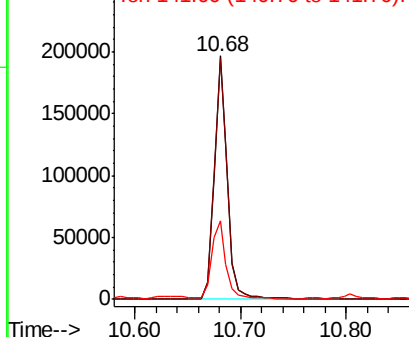
Tot Ion:	330	Resp:	172950
Ion Ratio	Lower	Upper	
330	100		
332	100.1	81.4	122.2
141	34.4	26.6	40.0

Manual Integrations
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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: 26.121 ng

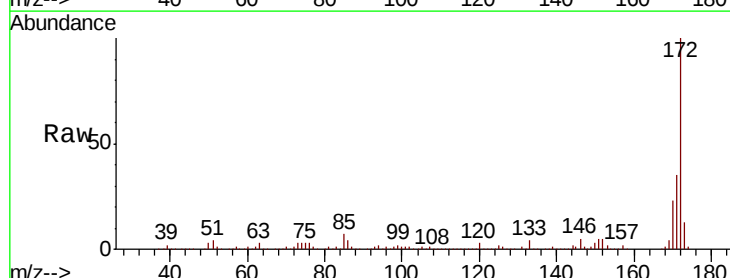
RT: 9.21 min Scan# 1211

Delta R.T. 0.00 min

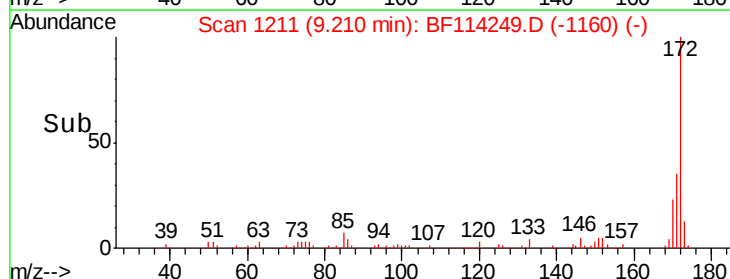
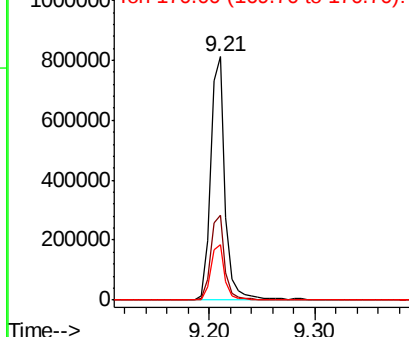
Lab File: BF114249.D

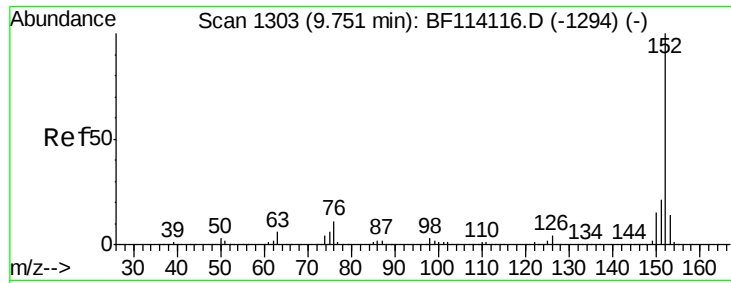
Acq: 14 May 2019 00:59

Tgt Ion:	172	Resp:	781287
Ion Ratio	Lower	Upper	
172	100		
171	34.7	30.7	46.1
170	22.9	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





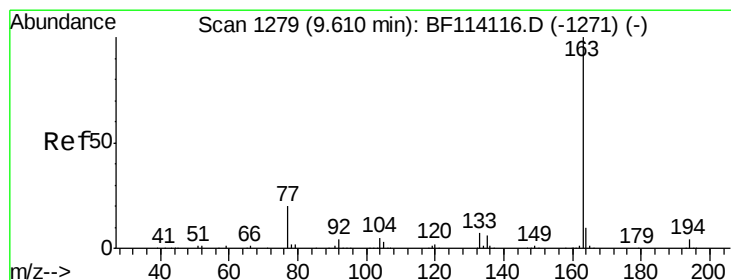
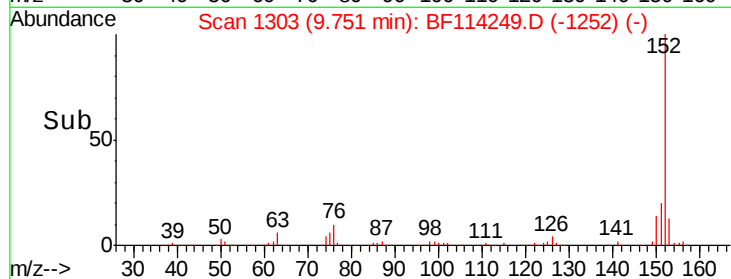
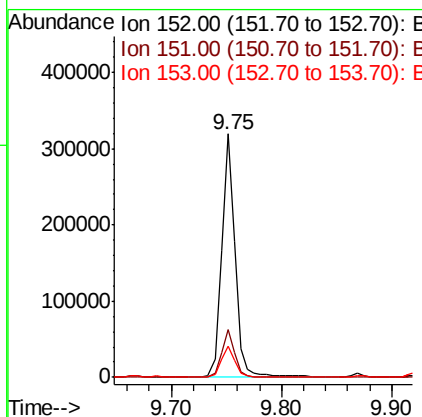
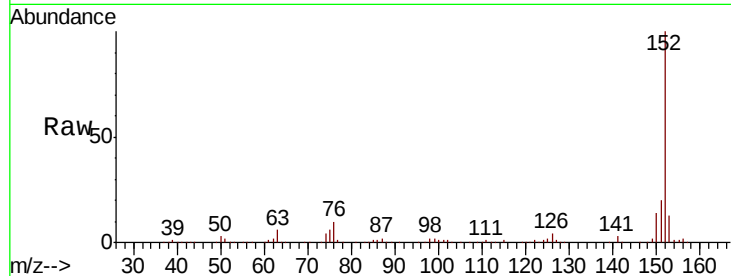
#49
Acenaphthylene
Concen: 6.008 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.8	25.2
153	12.7	11.4	17.2

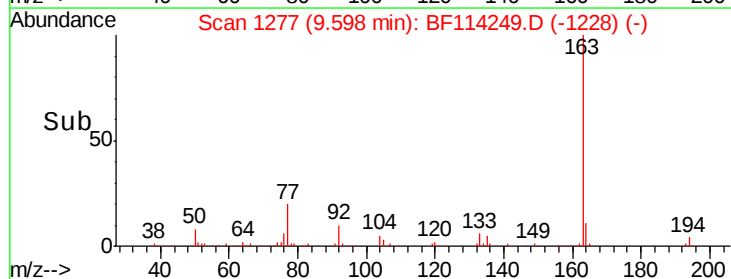
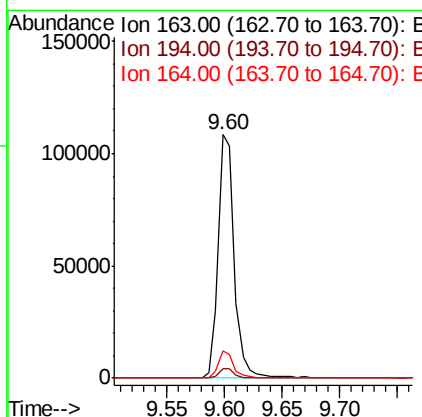
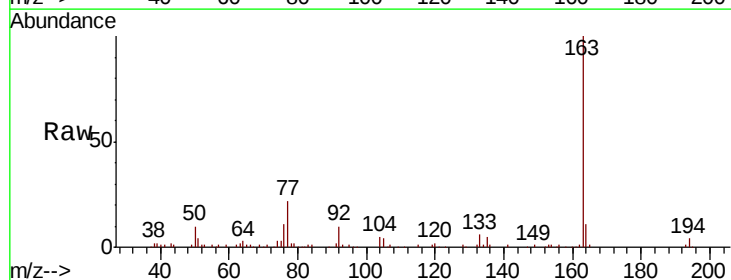
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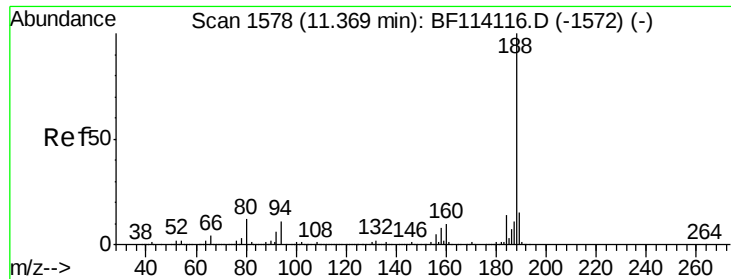
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#50
Dimethylphthalate
Concen: 3.177 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.4	5.0
164	11.4	8.2	12.2





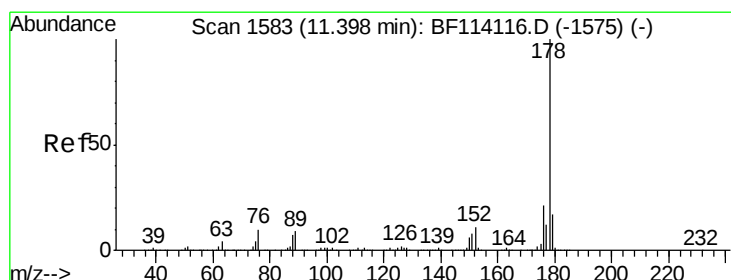
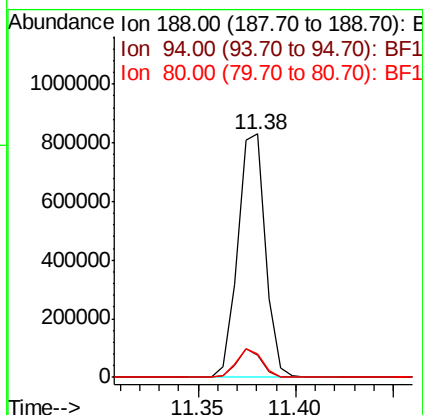
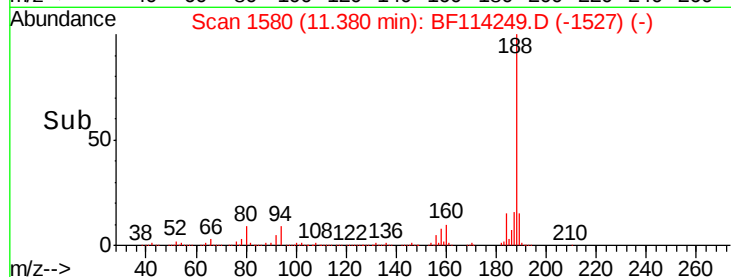
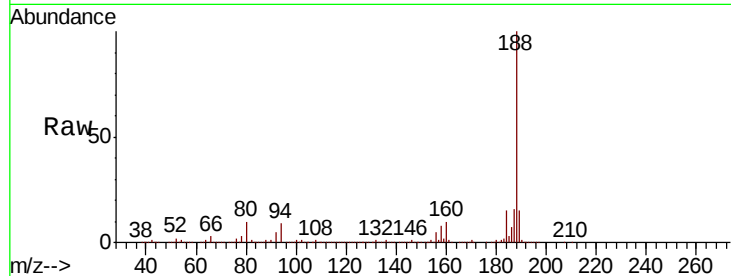
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	813896		
94	9.3		8.4	12.6
80	9.5		9.2	13.8

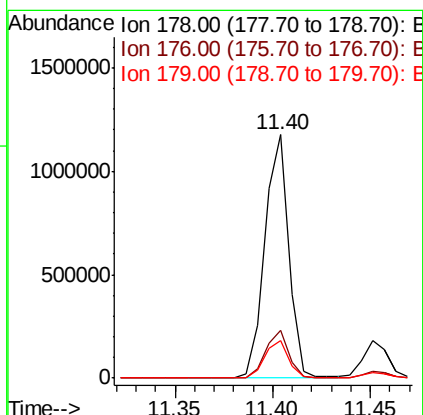
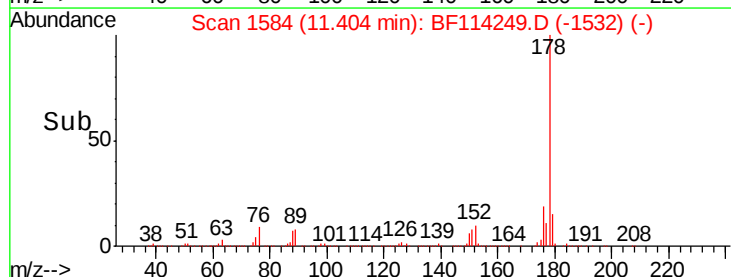
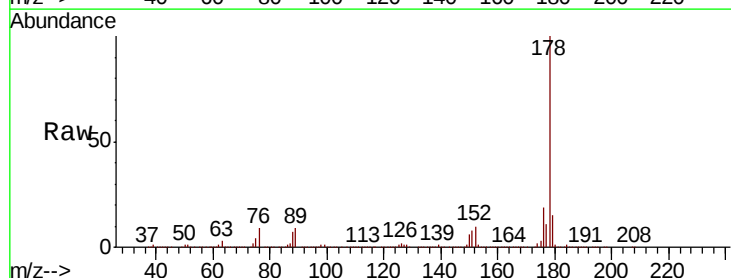
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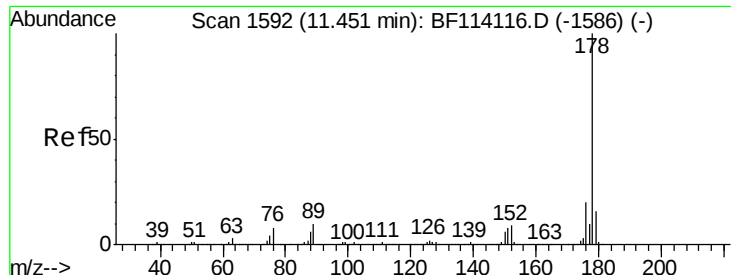
Sohil
5/14/2019 8:03:36 PM



#71
Phenanthrene
Concen: 25.262 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1000290		
176	19.5		16.4	24.6
179	15.4		13.2	19.8





#72

Anthracene

Concen: 4.105 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BF114249.D

Acq: 14 May 2019 00:59

Instrument :

BNA_F

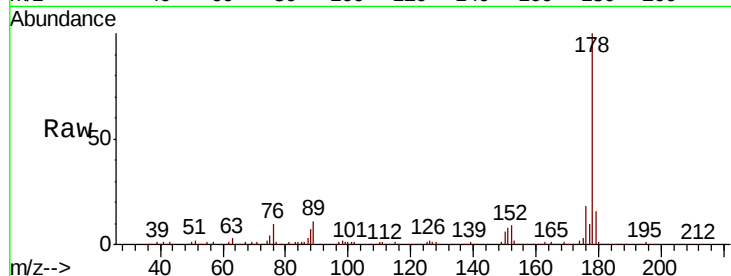
ClientSampleId :

P026-SS007-0206-01DL

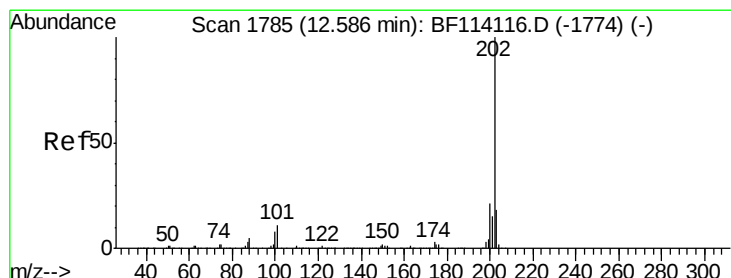
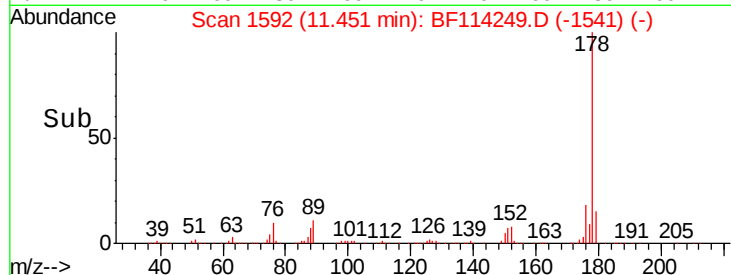
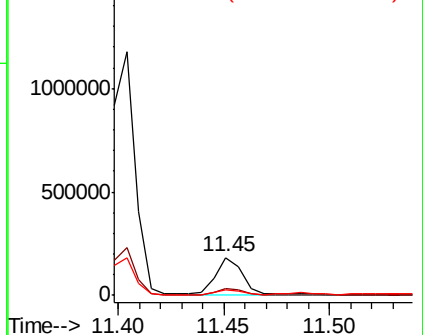
Tot Ion:	178	Resp:	163280
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.8	23.8
179	15.8	13.0	19.4

Manual Integrations
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5/14/2019 8:03:36 PM



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: 27.796 ng

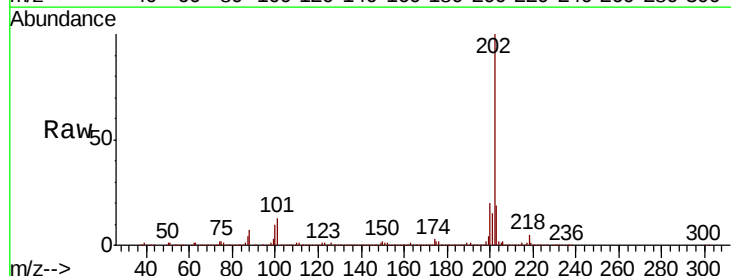
RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

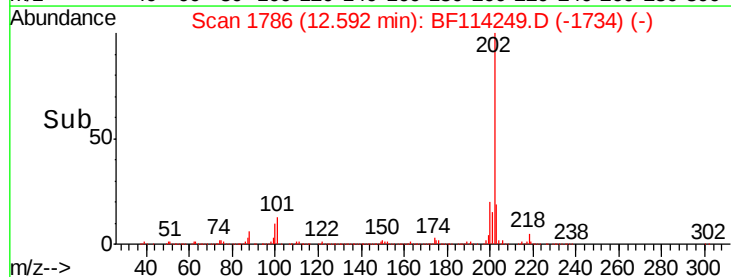
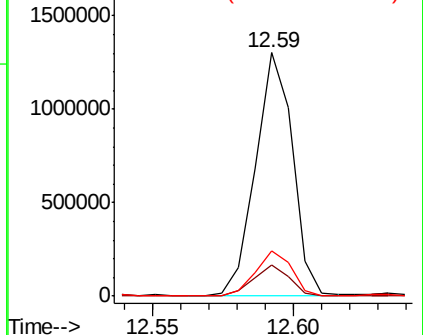
Lab File: BF114249.D

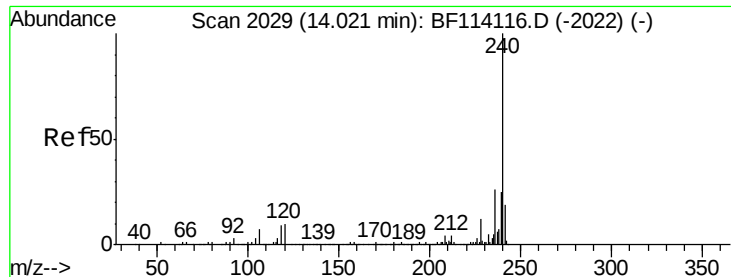
Acq: 14 May 2019 00:59

Tgt Ion:	202	Resp:	1185238
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	31.0
203	18.6	0.0	38.4



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





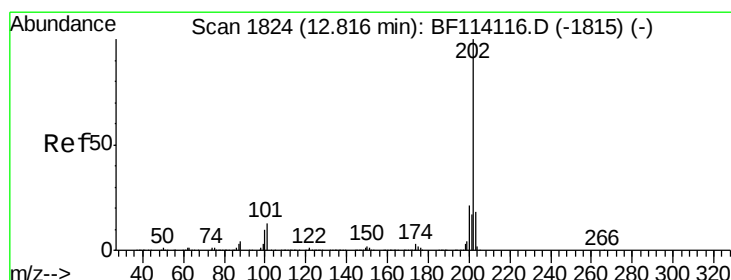
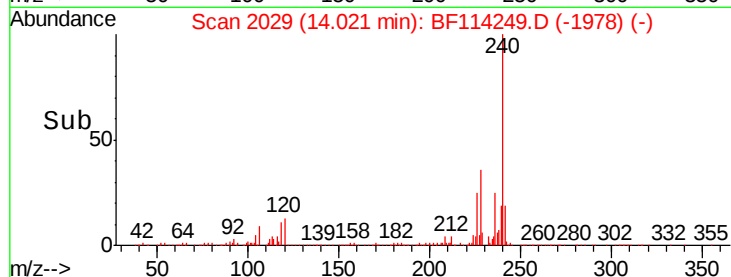
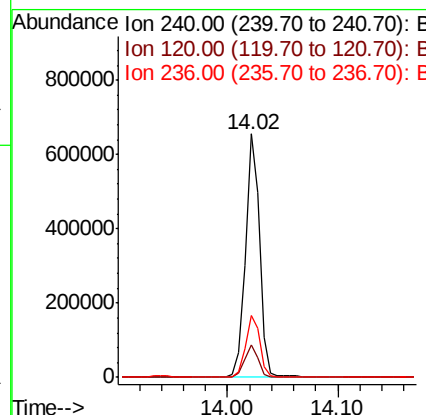
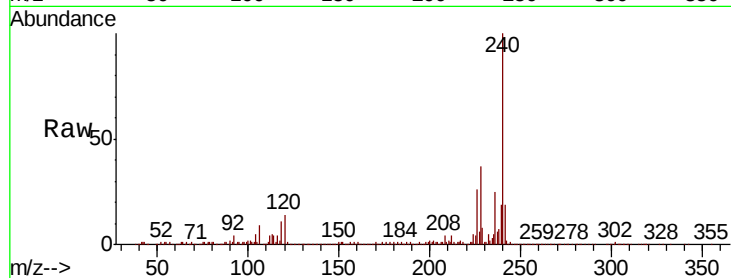
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.00 min
 Lab File: BF114249.D
 Acq: 14 May 2019 00:59

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS007-0206-01DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.5	8.3	12.5#
236	25.4	20.8	31.2

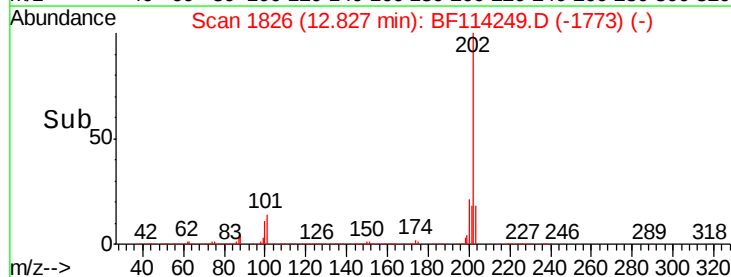
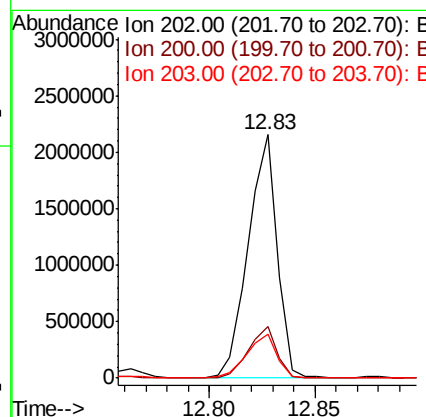
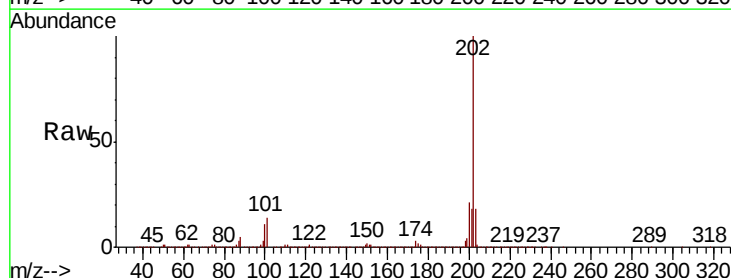
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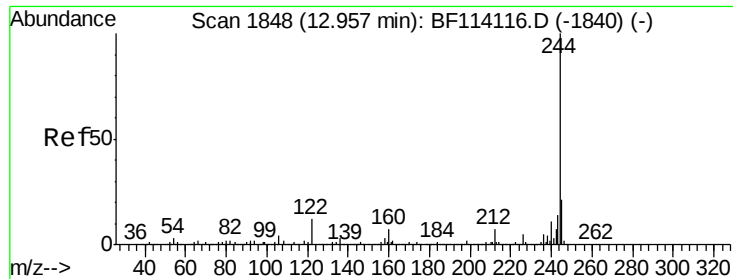
Sohil
 5/14/2019 8:03:36 PM



#78
 Pyrene
 Concen: 43.297 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. 0.01 min
 Lab File: BF114249.D
 Acq: 14 May 2019 00:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	18.2	14.5	21.7





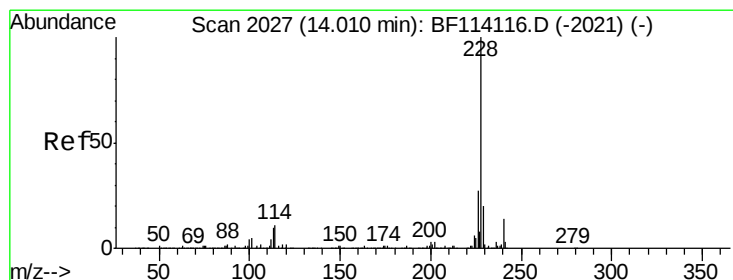
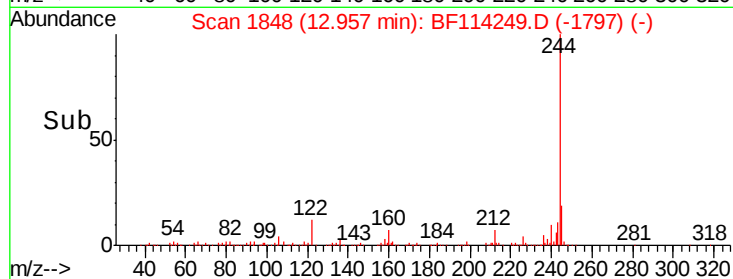
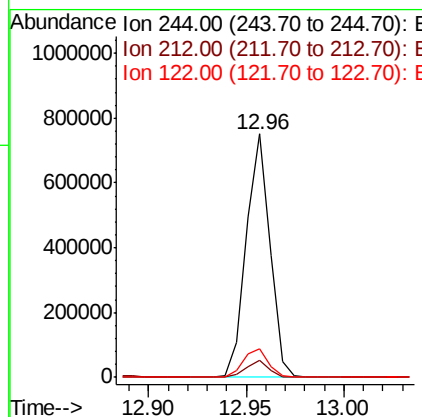
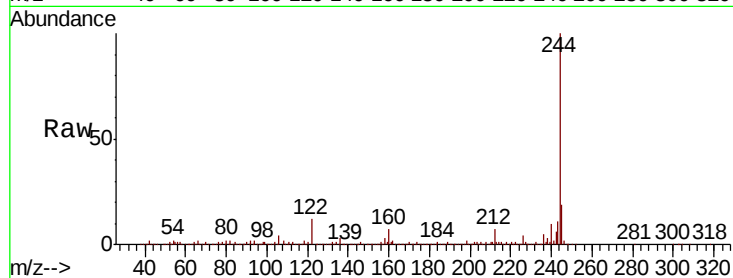
#79
 Terphenyl-d14
 Concen: 22.342 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BF114249.D
 Acq: 14 May 2019 00:59

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS007-0206-01DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	11.9	9.4	14.2

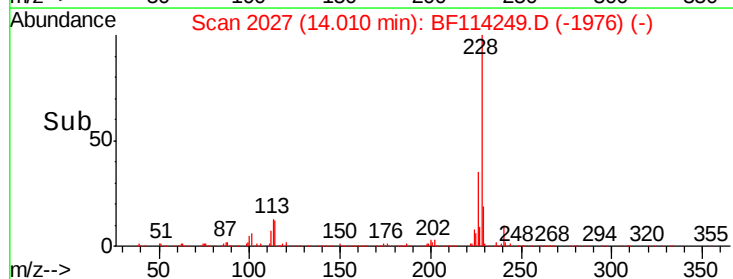
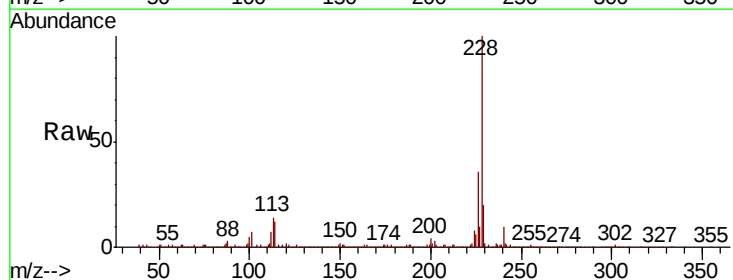
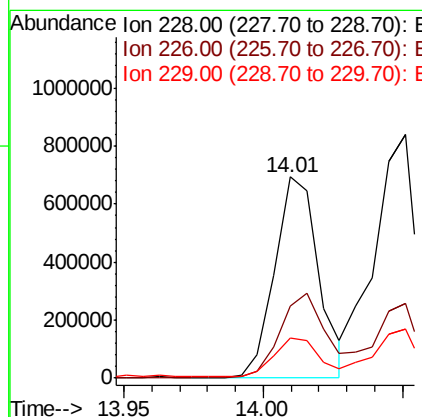
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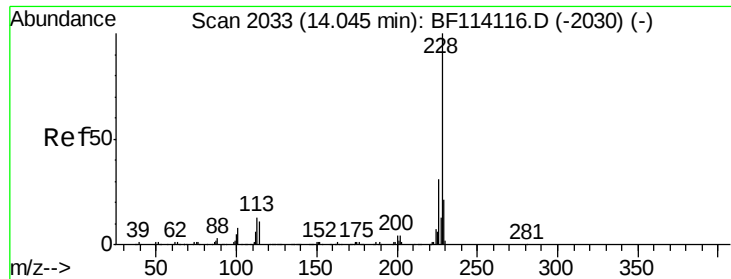
Sohil
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#81
 Benzo(a)anthracene
 Concen: 19.914 ng m
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: BF114249.D
 Acq: 14 May 2019 00:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.8	22.2	33.2#
229	20.0	16.4	24.6





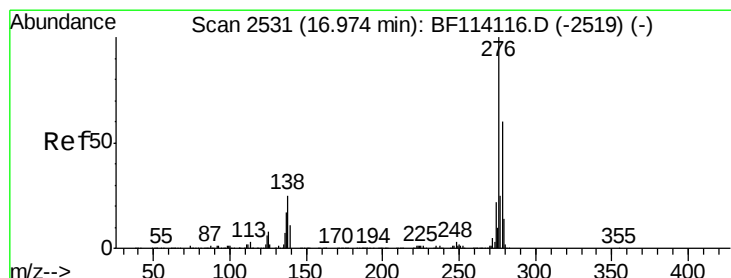
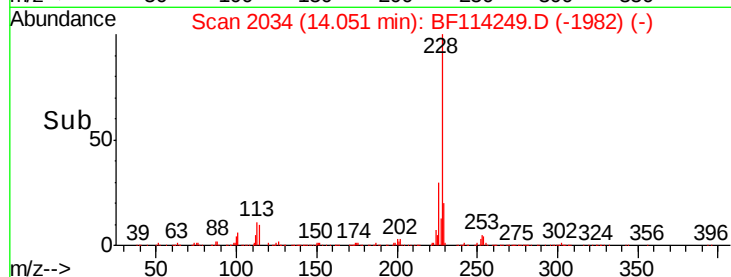
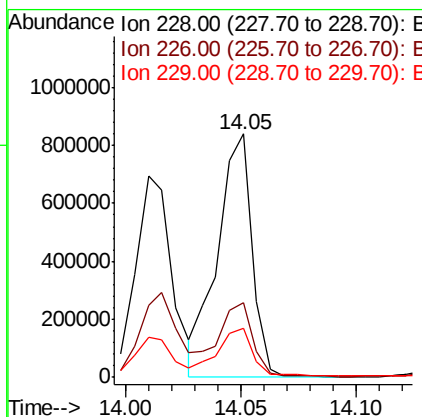
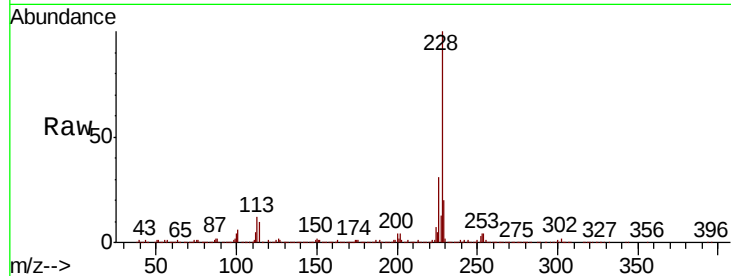
#83
Chrysene
Concen: 23.404 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	20.2	17.0	25.6

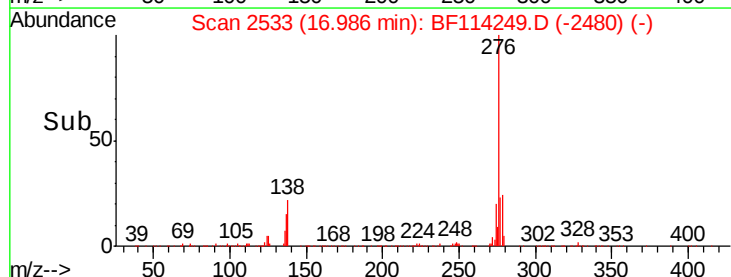
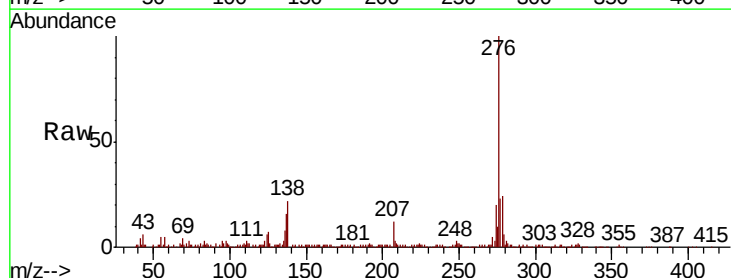
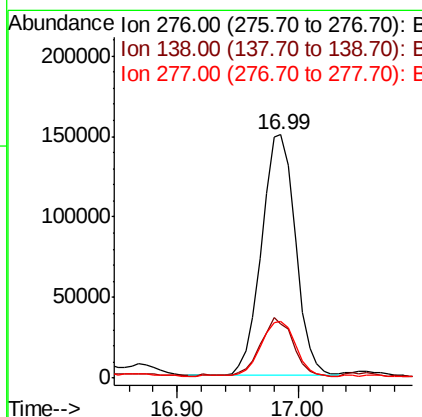
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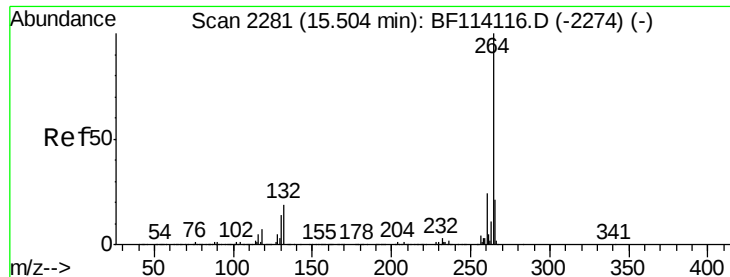
Sohil
5/14/2019 8:03:36 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 8.873 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	20.2	30.2
277	23.9	20.0	30.0





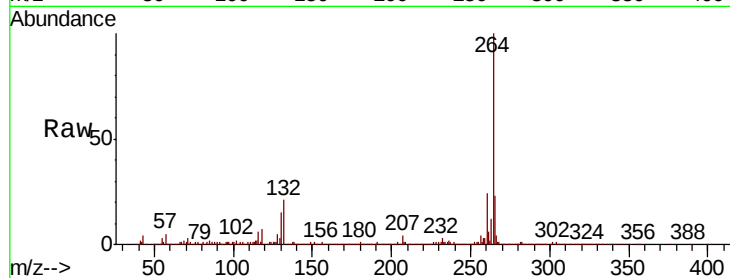
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.00 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.0
265	22.6	16.9	25.3

Manual Integrations
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Sohil
5/14/2019 8:03:36 PM

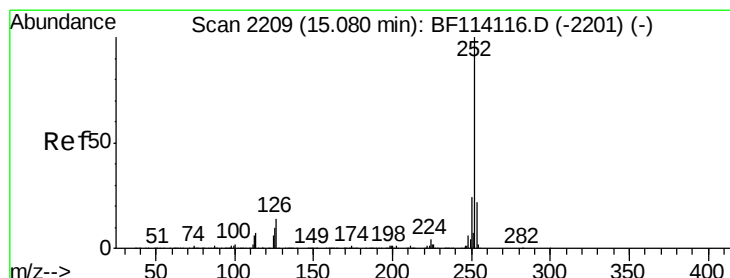
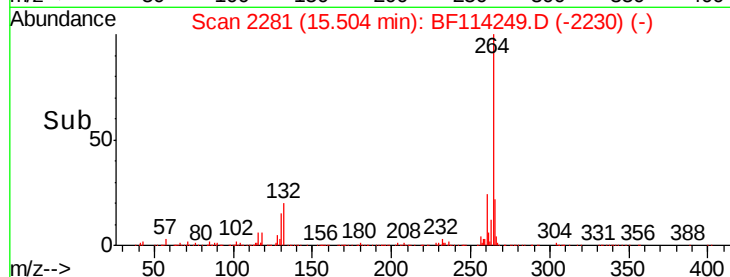
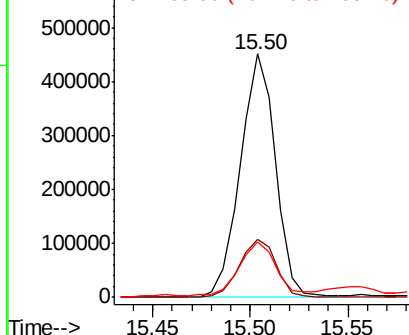


Abundance

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: 23.460 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

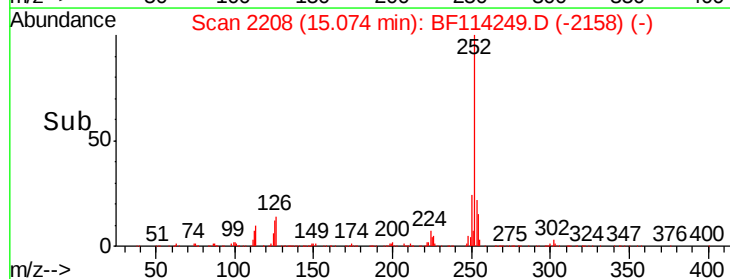
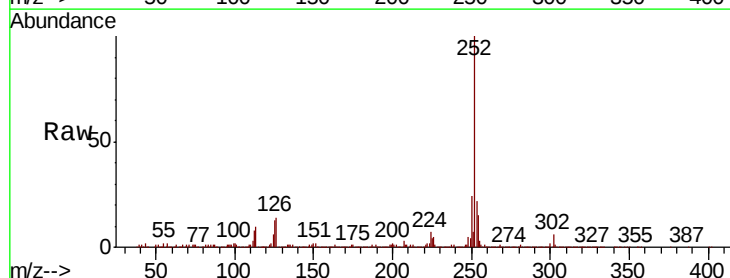
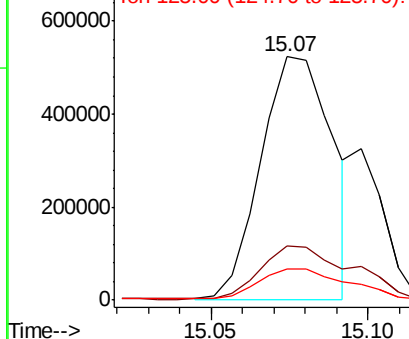
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	12.5	8.3	12.5#

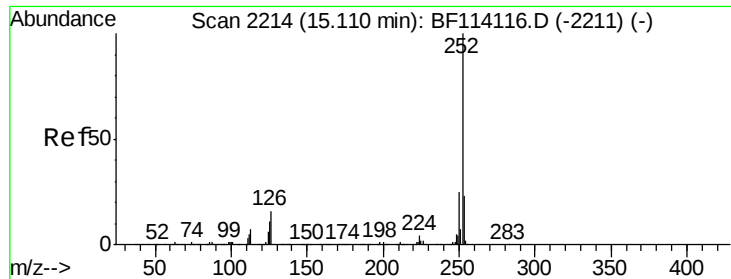
Abundance

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





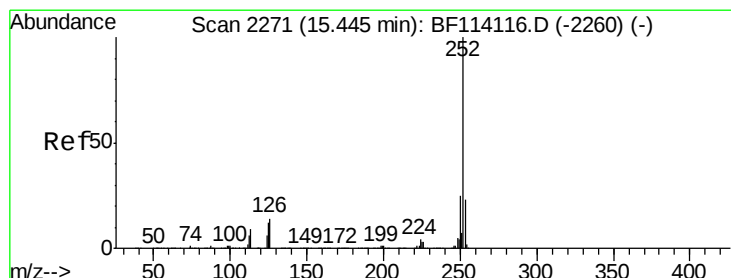
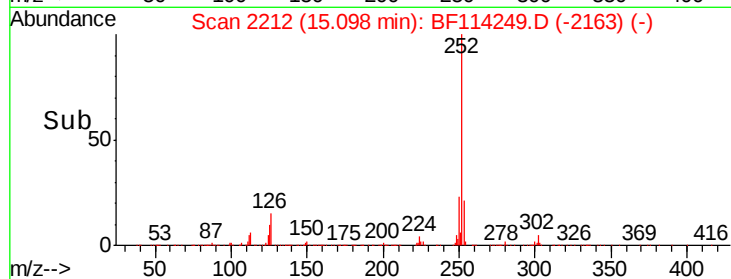
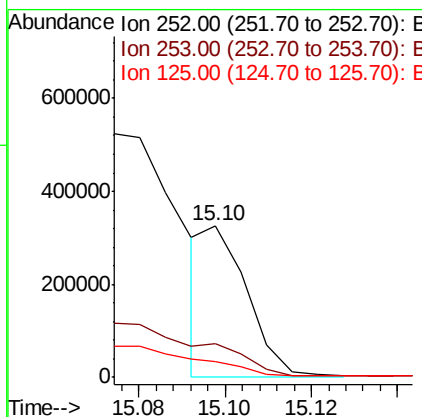
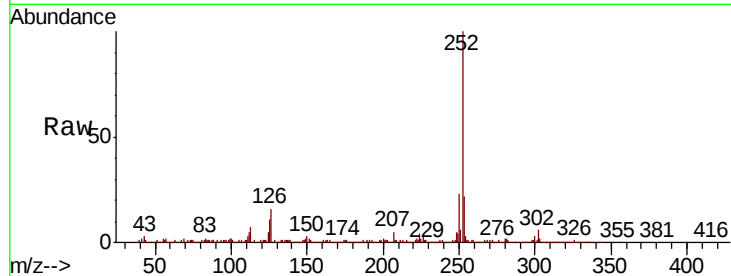
#89
Benzo(k)fluoranthene
Concen: 6.934 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	10.7	8.6	13.0

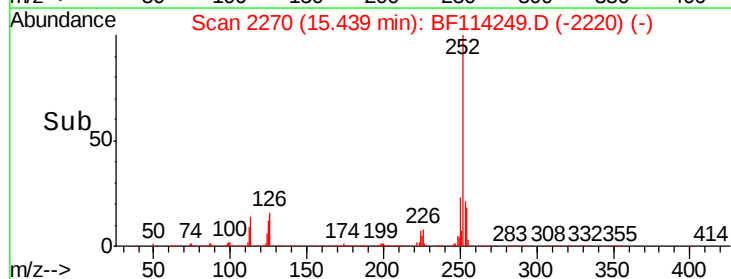
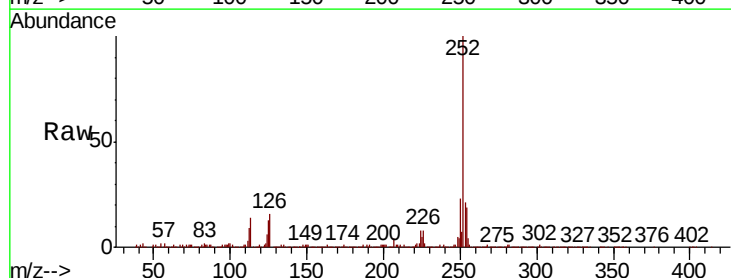
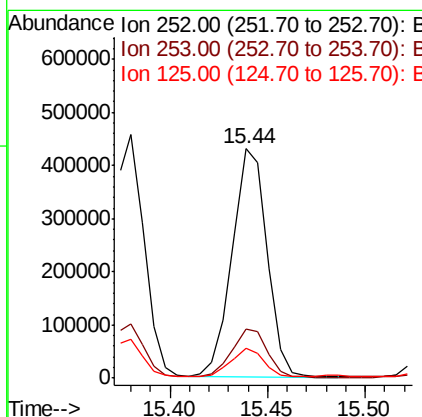
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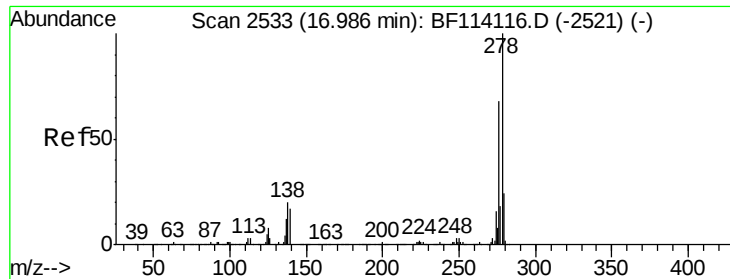
Sohil
5/14/2019 8:03:36 PM



#90
Benzo(a)pyrene
Concen: 16.947 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.1	27.1
125	13.0	9.5	14.3





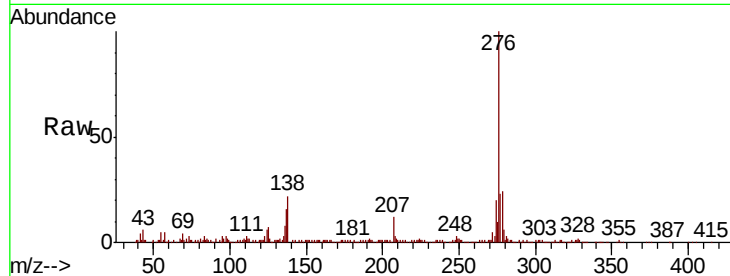
#91
Dibenzo(a,h)anthracene
Concen: 3.025 ng m
RT: 16.99 min Scan# 2533
Delta R.T. 0.00 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Instrument :
BNA_F
ClientSampleId :
P026-SS007-0206-01DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	23.4	19.0	28.6

Manual Integrations
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5/14/2019 8:03:36 PM

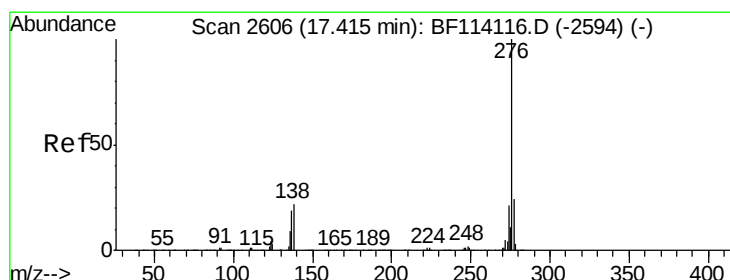
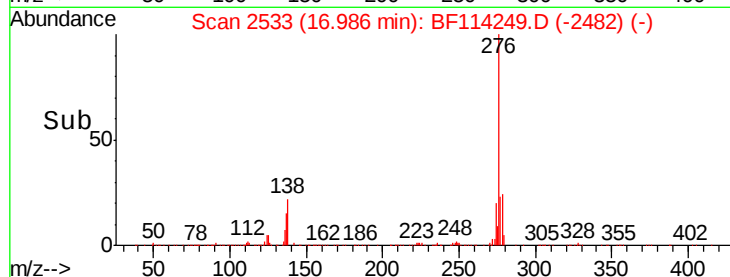
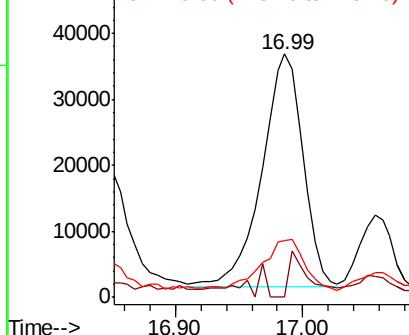


Abundance

Ion 278.00 (277.70 to 278.70): E

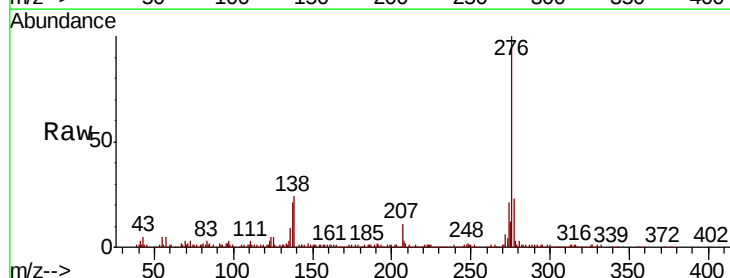
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 12.497 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.02 min
Lab File: BF114249.D
Acq: 14 May 2019 00:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.4
138	23.9	17.8	26.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

