

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
 Data File : BF114197.D
 Acq On : 12 May 2019 17:22
 Operator : JU/SJ
 Sample : K2767-16
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0206-01

Manual Integrations
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Quant Time: May 13 10:09:00 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	314002	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1161358	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	531900	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	944607	20.00	ng	0.00
76) Chrysene-d12	14.02	240	585567	20.00	ng	0.00
87) Perylene-d12	15.49	264	668670	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1803406	92.42	ng	0.01
7) Phenol-d6	6.50	99	2450859	106.20	ng	0.01
23) Nitrobenzene-d5	7.42	82	1566823	75.71	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	507713	92.33	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	2224674	63.27	ng	0.00
79) Terphenyl-d14	12.96	244	1751822	61.67	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.16	128	178765	3.295	ng	97
37) 2-Methylnaphthalene	8.85	142	81893	2.340	ng	96
49) Acenaphthylene	9.75	152	570922	10.855	ng	98
50) Dimethylphthalate	9.60	163	513897	13.161	ng	99
71) Phenanthrene	11.40	178	854079	18.585	ng	98
72) Anthracene	11.44	178	241496	5.232	ng	98
75) Fluoranthene	12.59	202	1507658	30.464	ng	100
78) Pyrene	12.82	202	2593280	55.052	ng	99
81) Benzo(a)anthracene	14.01	228	1177695m	31.095	ng	
83) Chrysene	14.04	228	1381068	37.198	ng	100
86) Indeno(1,2,3-cd)pyrene	16.96	276	777332	23.690	ng	98
88) Benzo(b)fluoranthene	15.07	252	1683169m	39.291	ng	
89) Benzo(k)fluoranthene	15.09	252	449454m	11.421	ng	
90) Benzo(a)pyrene	15.43	252	1256763	33.334	ng	99
91) Dibenzo(a,h)anthracene	16.96	278	216452m	6.909	ng	
92) Benzo(g,h,i)perylene	17.41	276	879221	28.004	ng	97

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

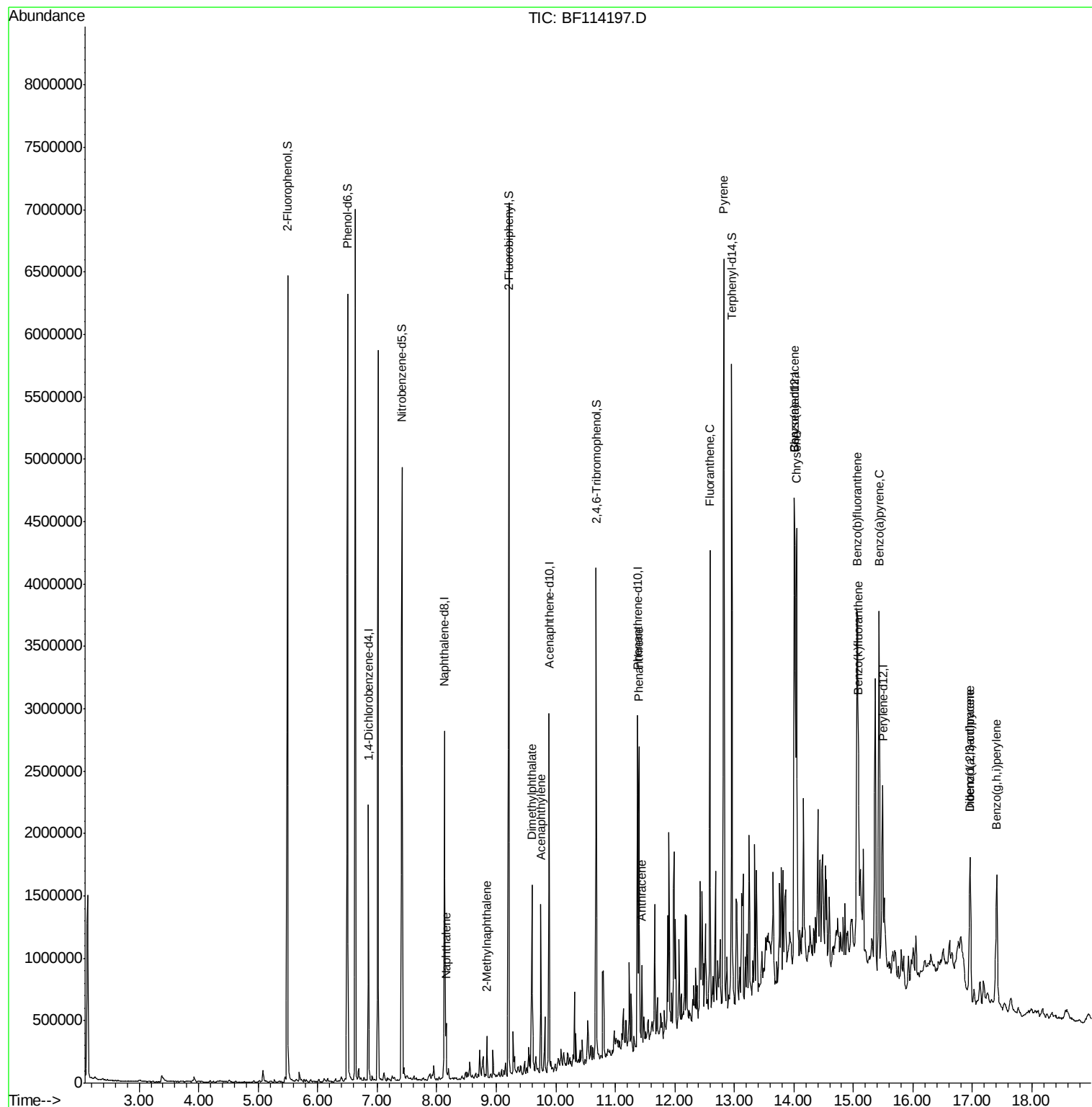
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114197.D
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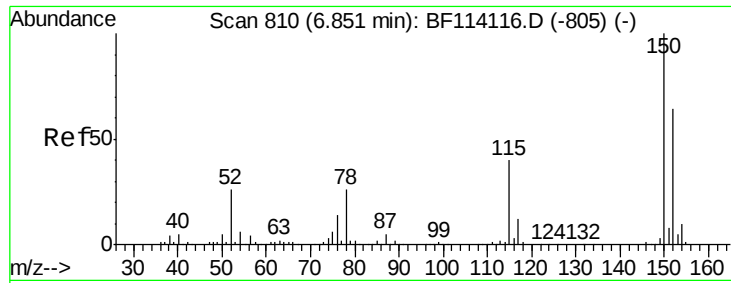
Instrument :
BNA_F
ClientSampleId :
P026-SS012-0206-01

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Quant Time: May 13 10:09:00 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





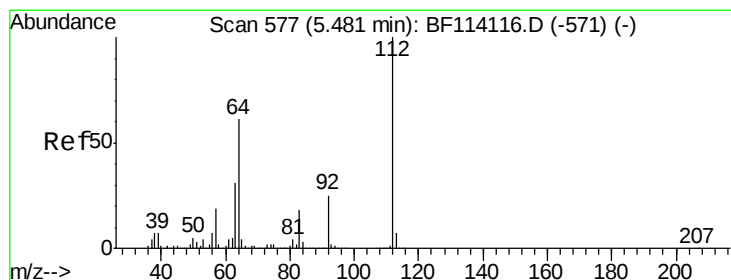
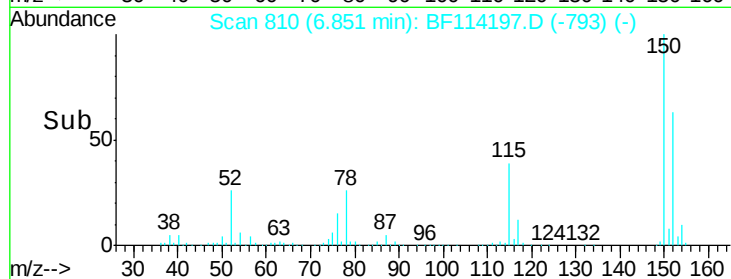
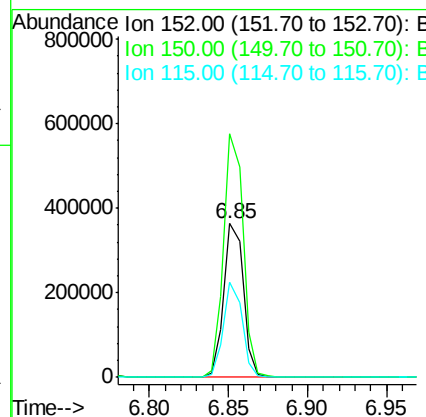
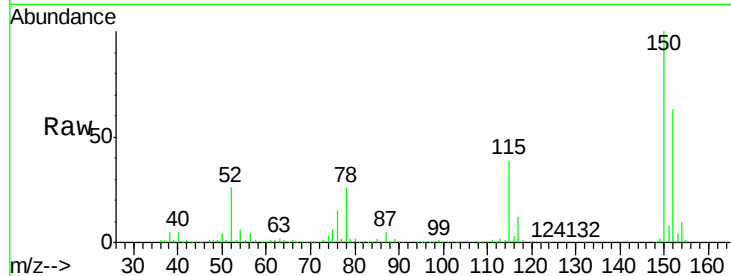
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF114197.D
 Acq: 12 May 2019 17:22

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0206-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.3	186.5
115	61.6	49.1	73.7

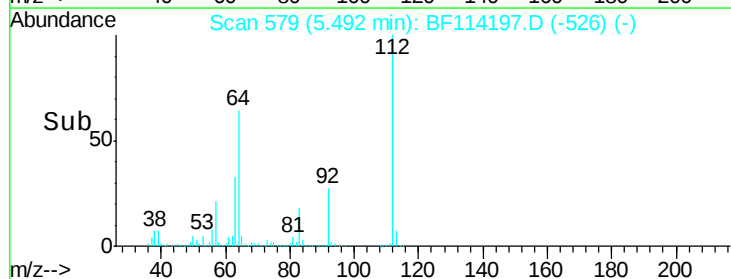
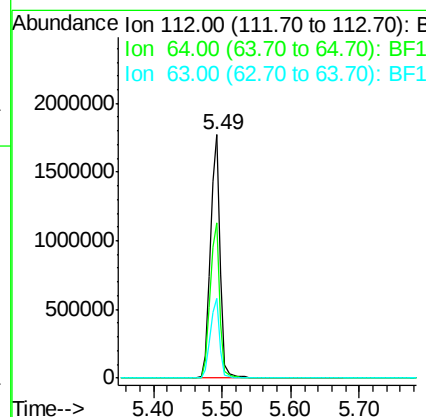
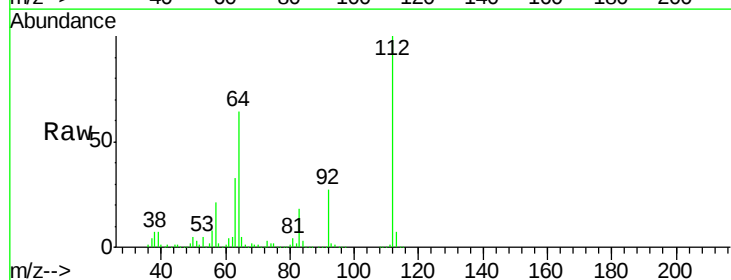
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#5
 2-Fluorophenol
 Concen: 92.425 ng
 RT: 5.49 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: BF114197.D
 Acq: 12 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	49.0	73.6
63	32.7	24.6	37.0





#7

Phenol-d6

Concen: 106.200 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF114197.D

Acq: 12 May 2019 17:22

Instrument :

BNA_F

ClientSampleId :

P026-SS012-0206-01

Tot Ion: 99 Resp: 2450859

Ion Ratio Lower Upper

99 100

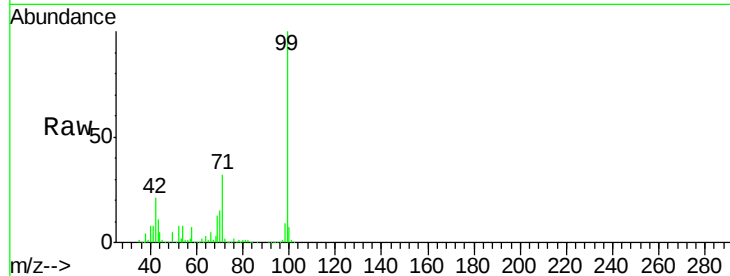
42 21.4 17.9 26.9

71 32.1 26.2 39.2

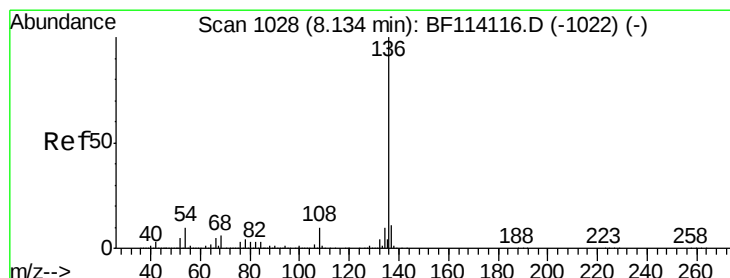
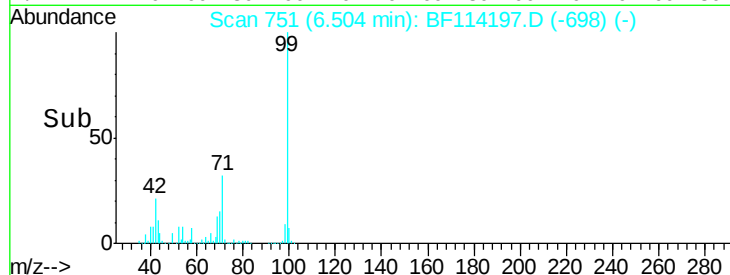
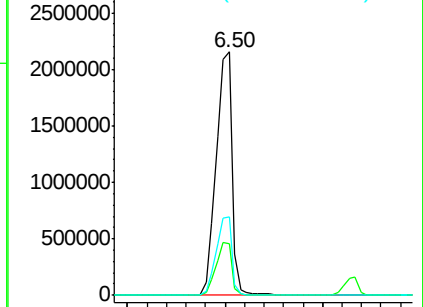
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF114197.D

Acq: 12 May 2019 17:22

Tgt Ion: 136 Resp: 1161358

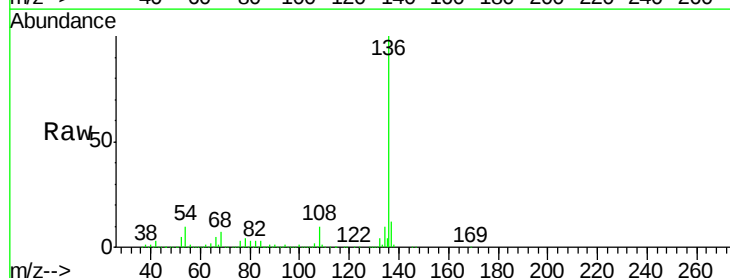
Ion Ratio Lower Upper

136 100

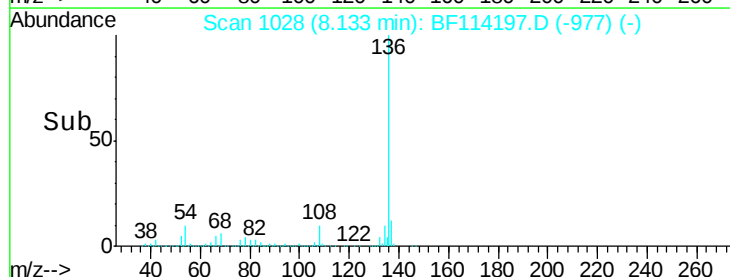
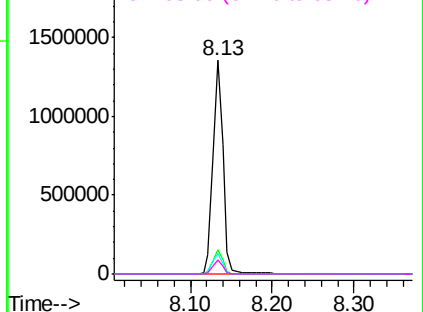
137 11.5 8.8 13.2

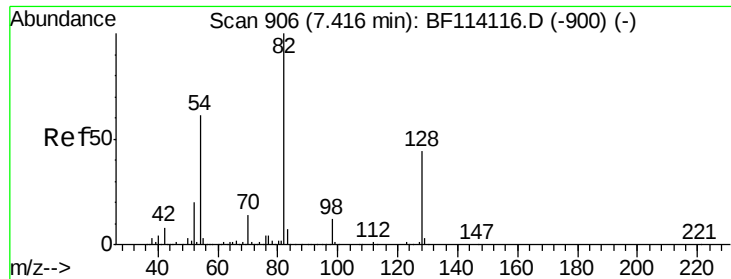
54 9.9 7.8 11.8

68 6.5 5.1 7.7



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





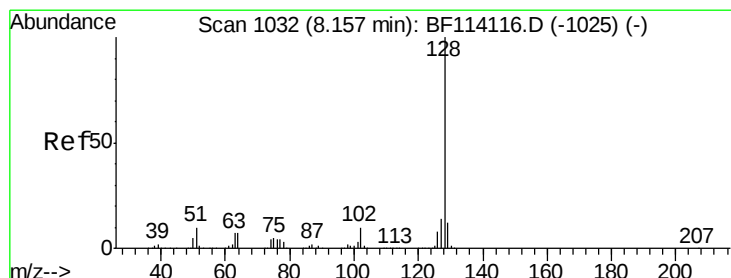
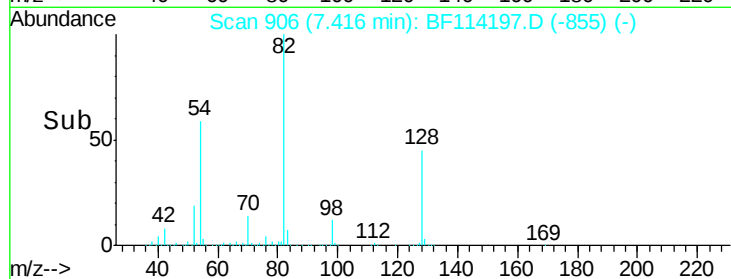
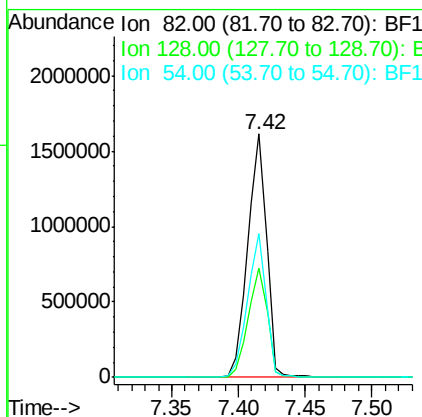
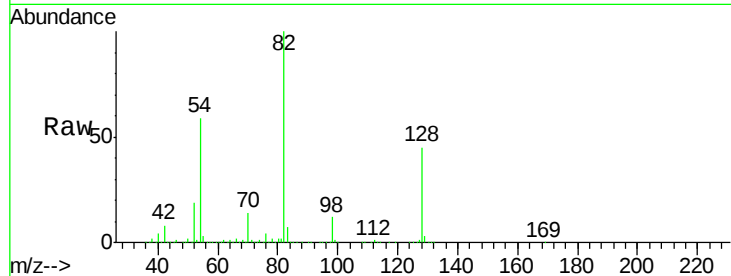
#23
 Nitrobenzene-d5
 Concen: 75.713 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: BF114197.D
 Acq: 12 May 2019 17:22

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0206-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	35.5	53.3
54	59.1	48.5	72.7

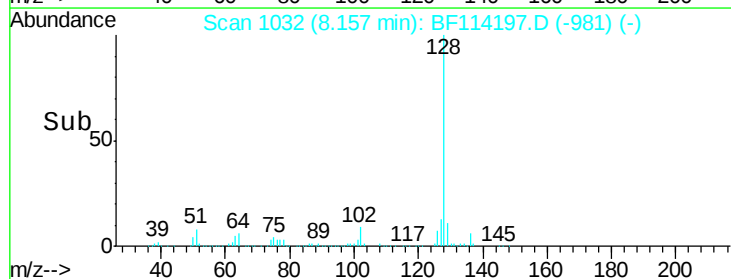
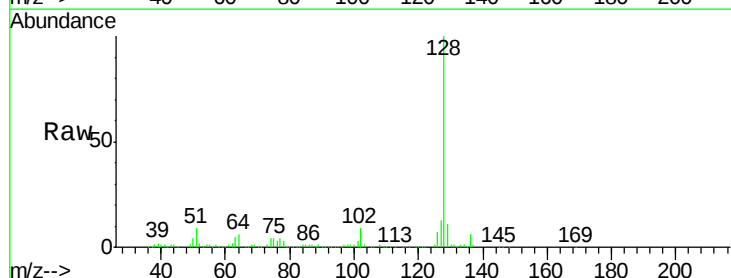
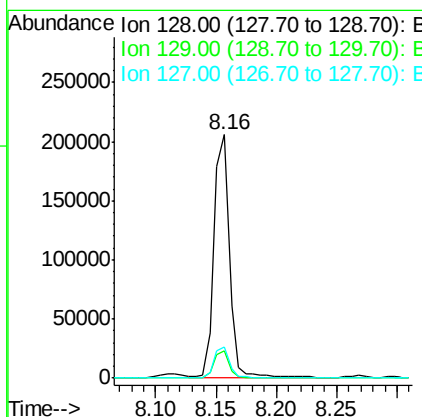
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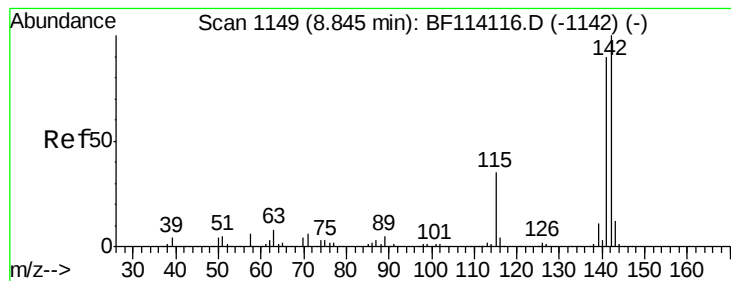
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#31
 Naphthalene
 Concen: 3.295 ng
 RT: 8.16 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BF114197.D
 Acq: 12 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.6	14.4
127	12.7	11.3	16.9





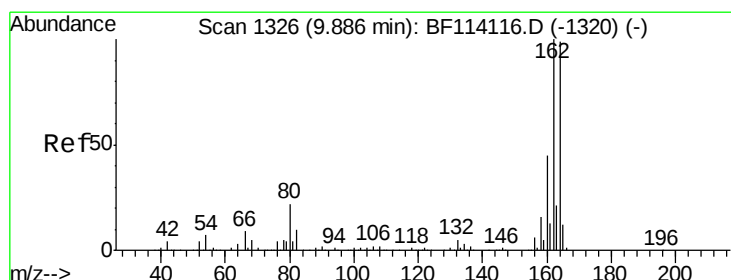
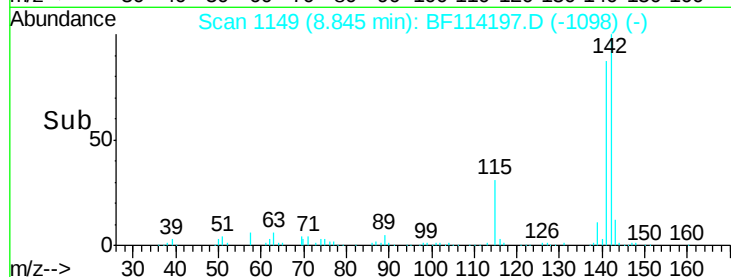
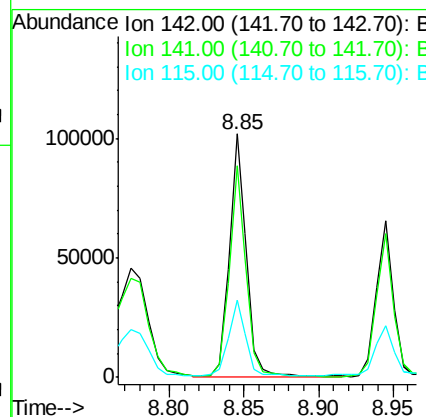
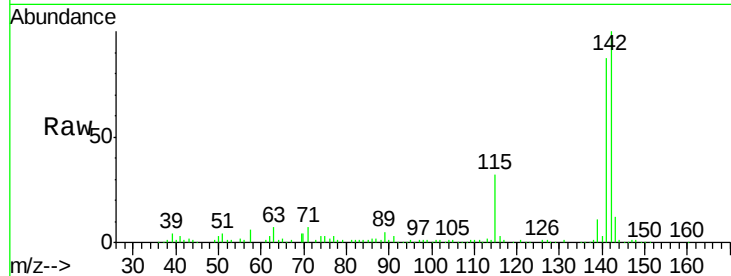
#37
2-Methylnaphthalene
Concen: 2.340 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF114197.D
Acq: 12 May 2019 17:22

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0206-01

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.7	72.1	108.1
115	31.9	28.0	42.0

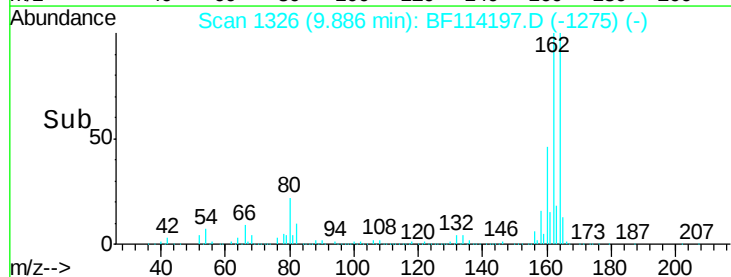
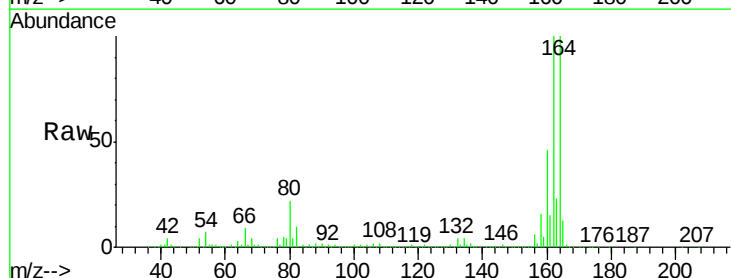
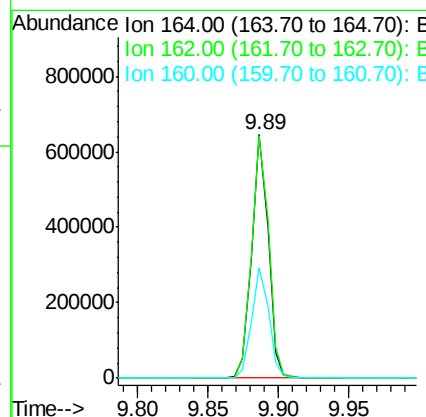
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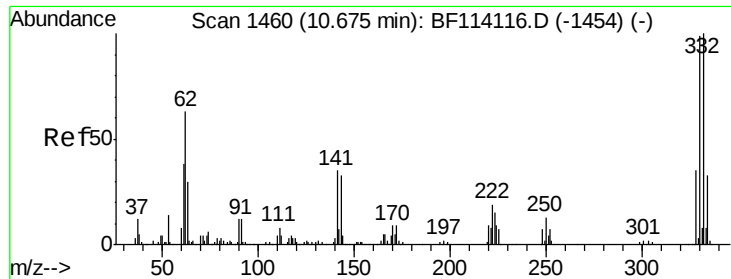
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114197.D
Acq: 12 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.6	120.8
160	45.6	36.5	54.7





#42

2,4,6-Tribromophenol

Concen: 92.329 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.01 min

Lab File: BF114197.D

Acq: 12 May 2019 17:22

Instrument :

BNA_F

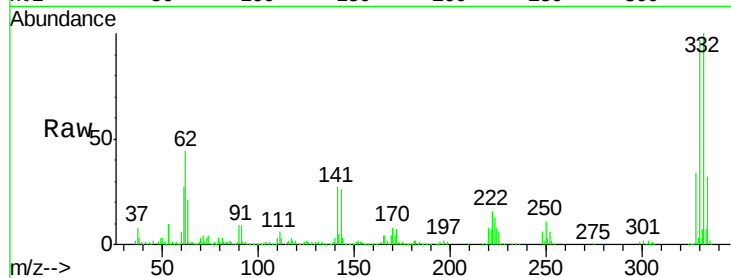
ClientSampleId :

P026-SS012-0206-01

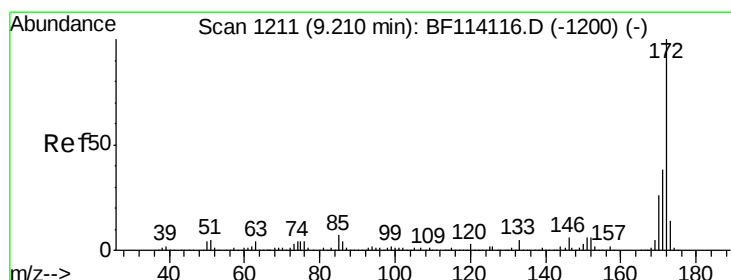
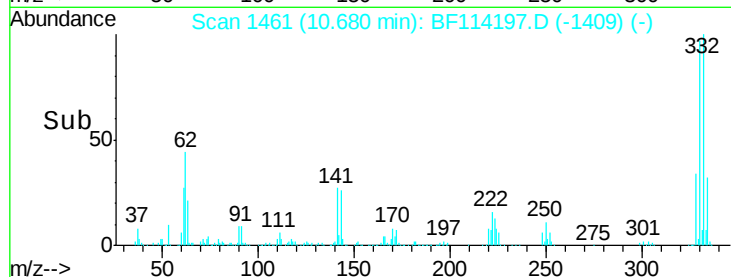
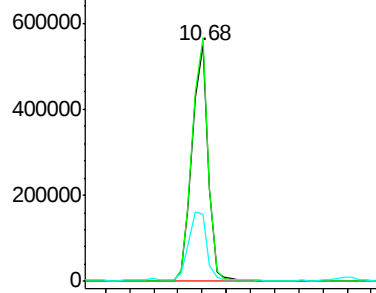
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	102.4	507713	81.4	122.2
141	32.7		26.6	40.0

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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: 63.267 ng

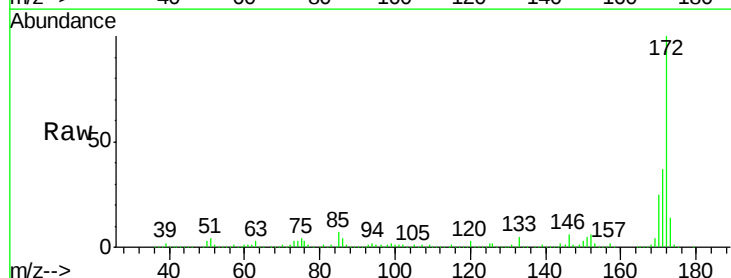
RT: 9.21 min Scan# 1211

Delta R.T. -0.00 min

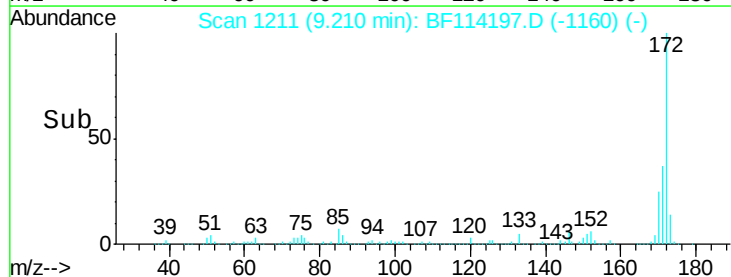
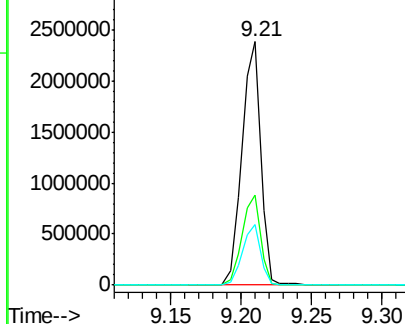
Lab File: BF114197.D

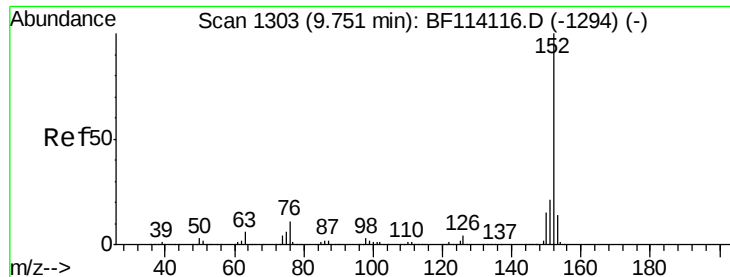
Acq: 12 May 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2224674		
171	36.9		30.7	46.1
170	24.8		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: 10.855 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF114197.D

Acq: 12 May 2019 17:22

Instrument :

BNA_F

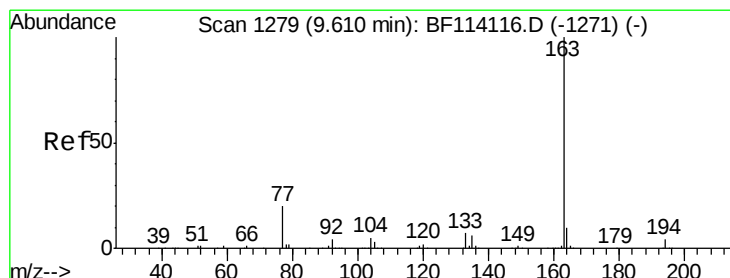
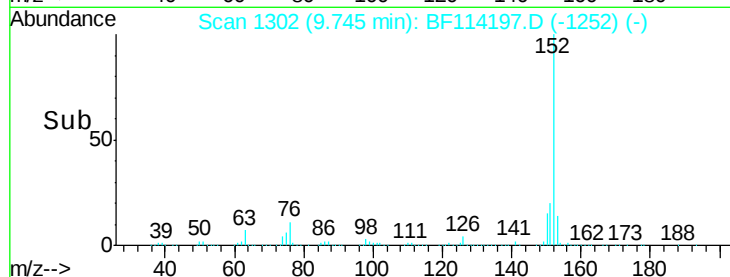
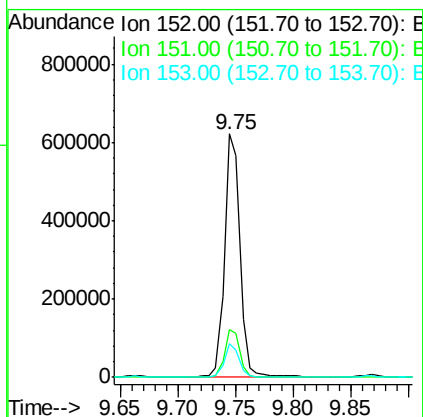
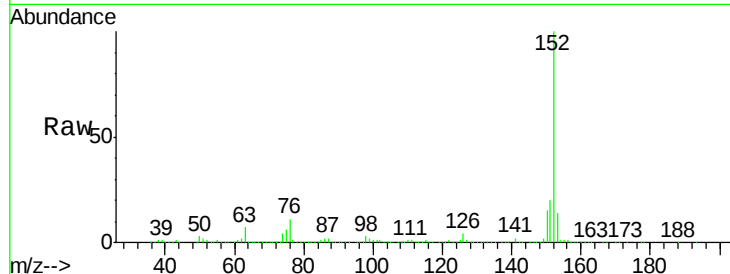
ClientSampleId :

P026-SS012-0206-01

Tot Ion:	152	Resp:	570922
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.8	25.2
153	14.0	11.4	17.2

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#50

Dimethylphthalate

Concen: 13.161 ng

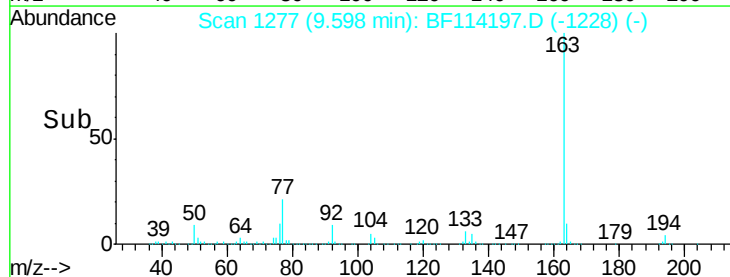
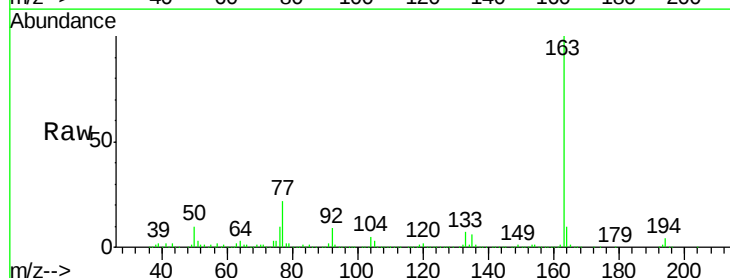
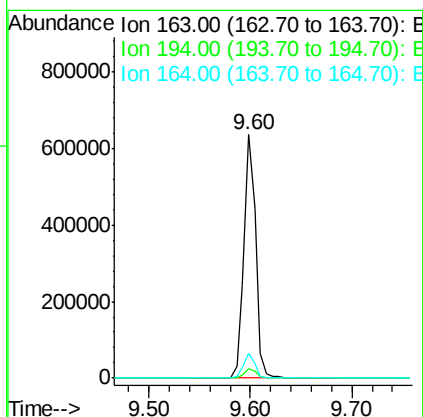
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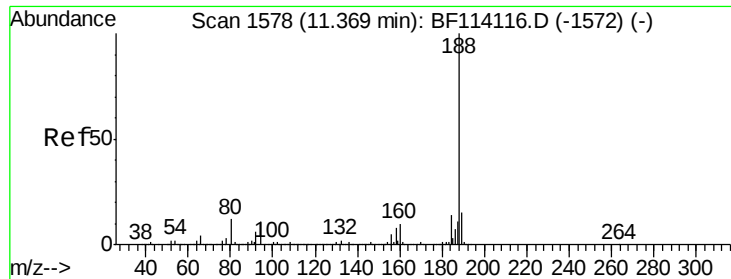
Delta R.T. -0.01 min

Lab File: BF114197.D

Acq: 12 May 2019 17:22

Tgt Ion:	163	Resp:	513897
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.4	5.0
164	10.2	8.2	12.2





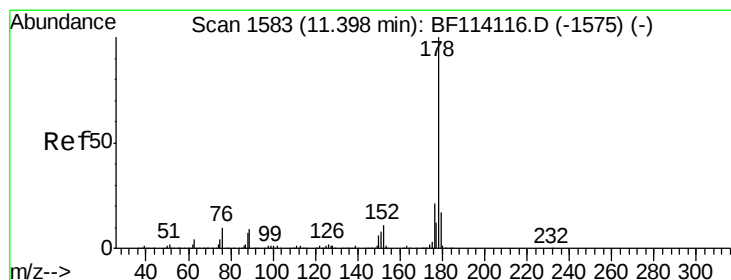
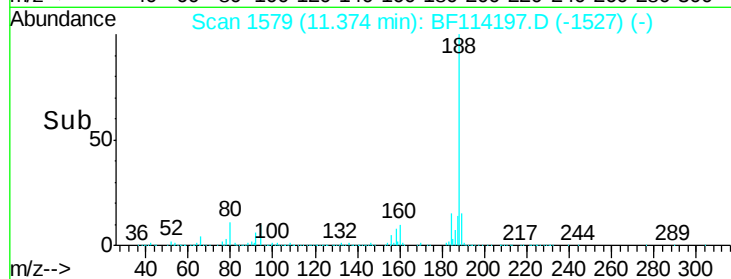
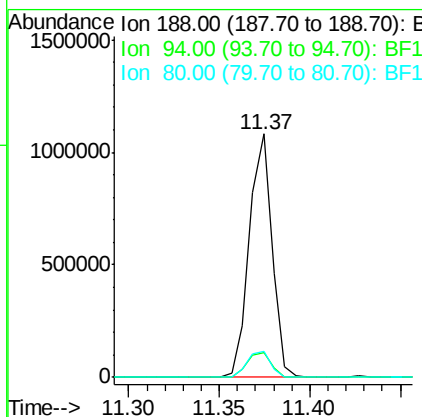
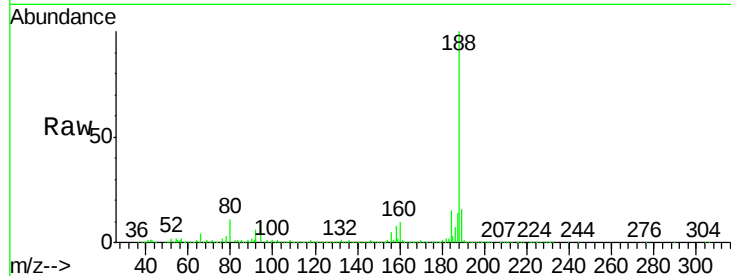
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF114197.D
Acq: 12 May 2019 17:22

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0206-01

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.2	8.4	12.6
80	10.7	9.2	13.8

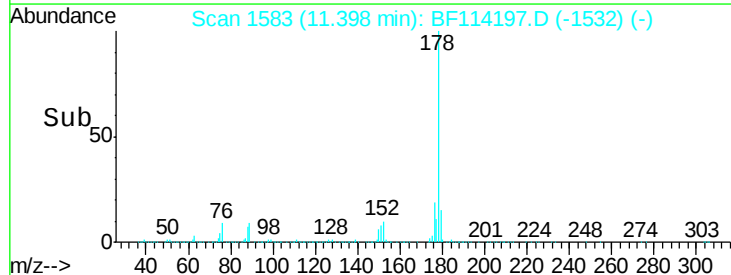
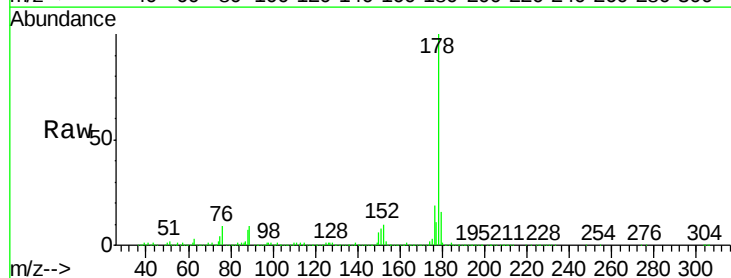
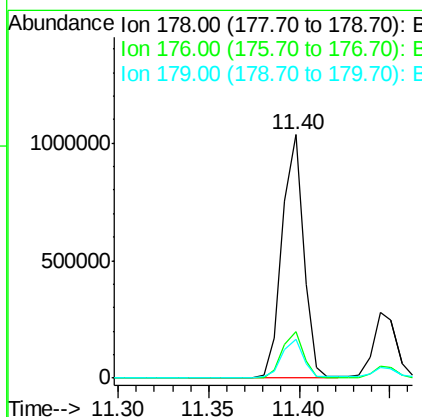
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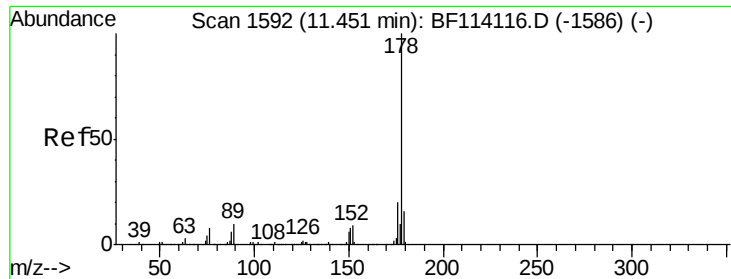
Sohil
5/13/2019 8:37:29 PM



#71
Phenanthrene
Concen: 18.585 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF114197.D
Acq: 12 May 2019 17:22

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	16.4	24.6
179	15.7	13.2	19.8





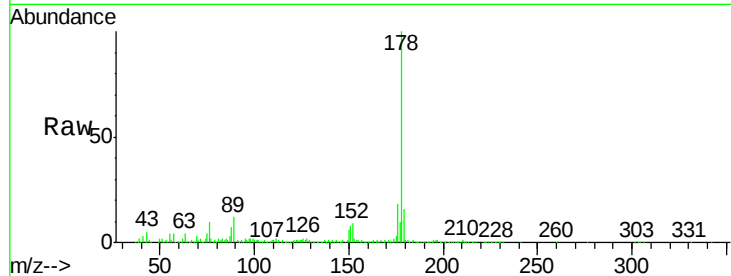
#72
 Anthracene
 Concen: 5.232 ng
 RT: 11.44 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF114197.D
 Acq: 12 May 2019 17:22

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS012-0206-01

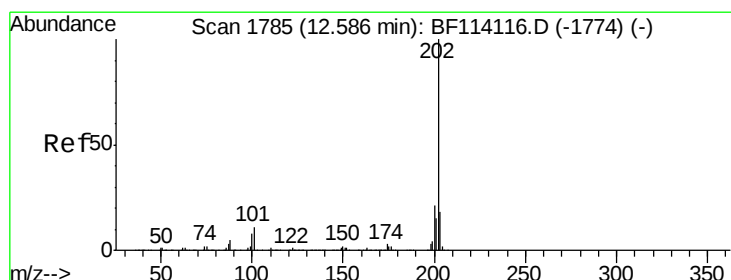
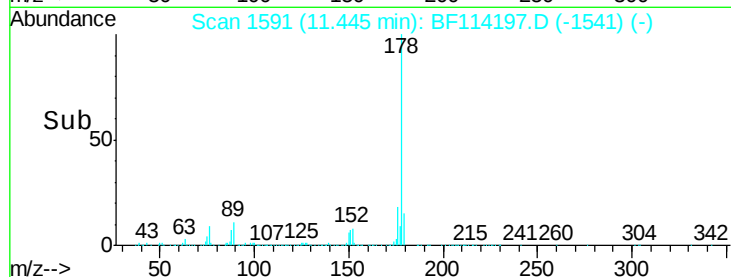
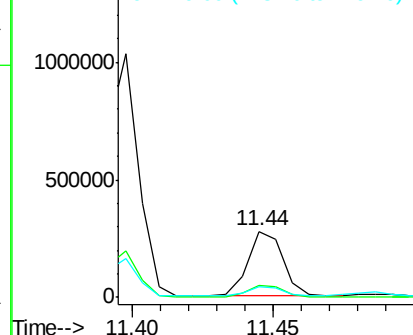
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	16.4	13.0	19.4

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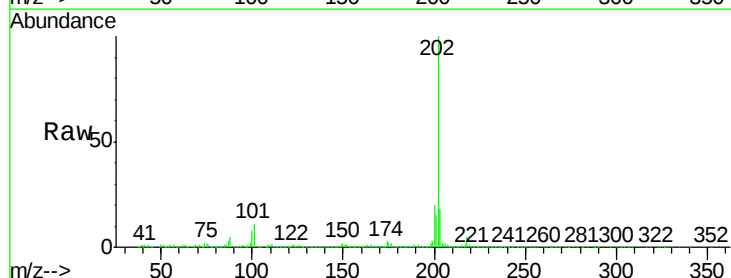


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

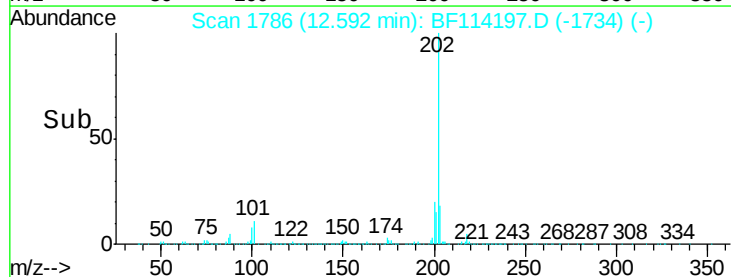
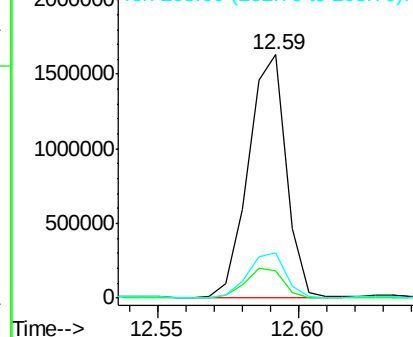


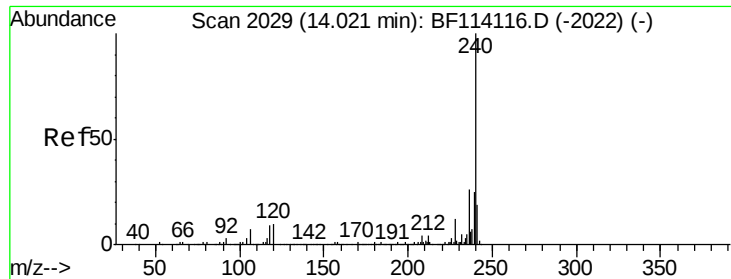
#75
 Fluoranthene
 Concen: 30.464 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. 0.01 min
 Lab File: BF114197.D
 Acq: 12 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.0
203	18.3	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





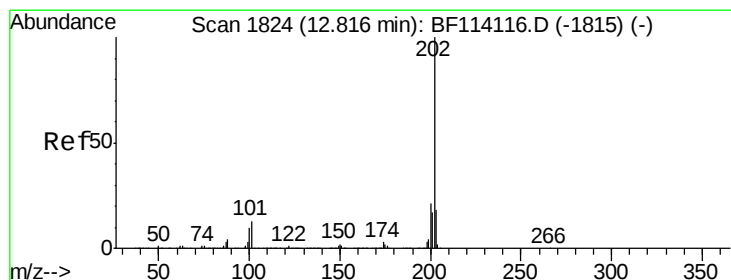
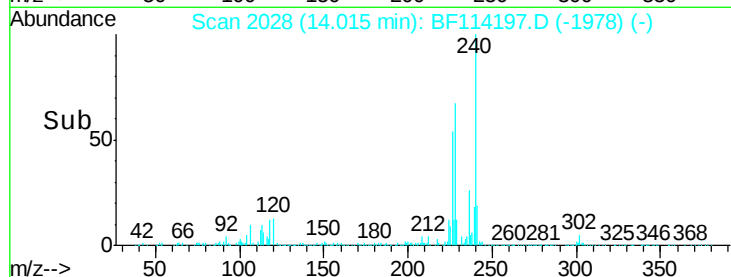
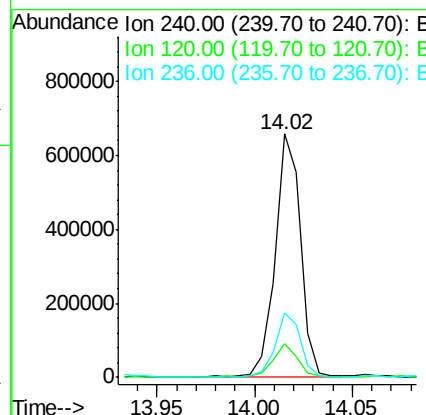
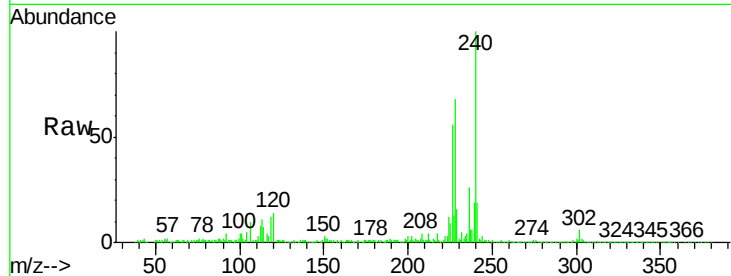
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF114197.D
Acq: 12 May 2019 17:22

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0206-01

Tot Ion	Ratio	Resp	Lower	Upper
240	100	585567		
120	13.6	8.3	12.5	
236	26.3	20.8	31.2	

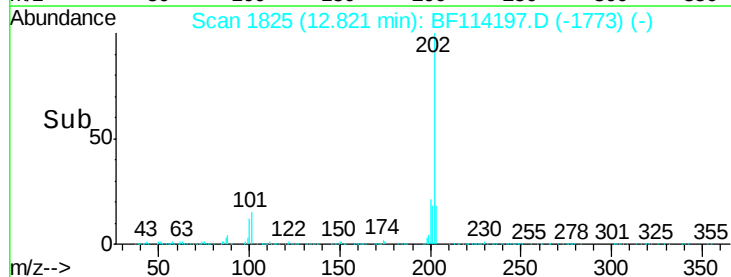
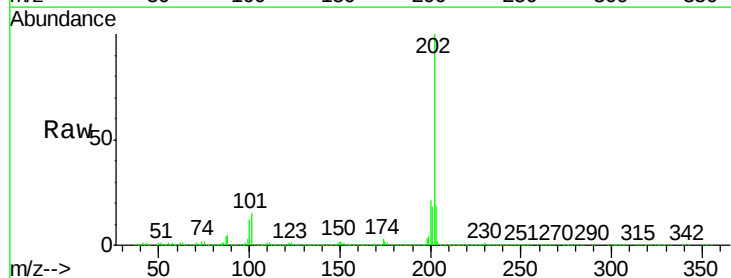
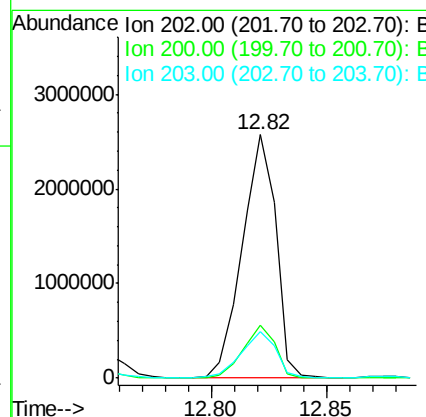
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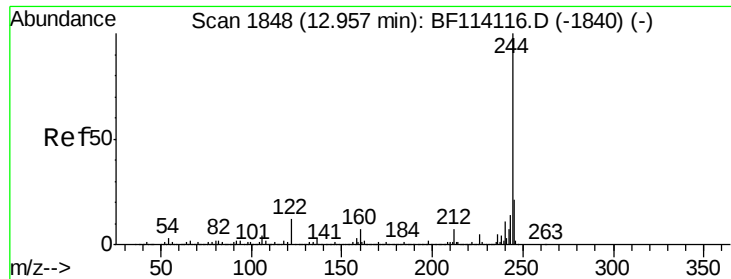
Sohil
5/13/2019 8:37:29 PM



#78
Pyrene
Concen: 55.052 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.01 min
Lab File: BF114197.D
Acq: 12 May 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2593280		
200	21.5	16.9	25.3	
203	19.0	14.5	21.7	





#79

Terphenyl-d14

Concen: 61.671 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF114197.D

Acq: 12 May 2019 17:22

Instrument :

BNA_F

ClientSampleId :

P026-SS012-0206-01

Tot Ion:244 Resp: 1751822

Ion Ratio Lower Upper

244 100

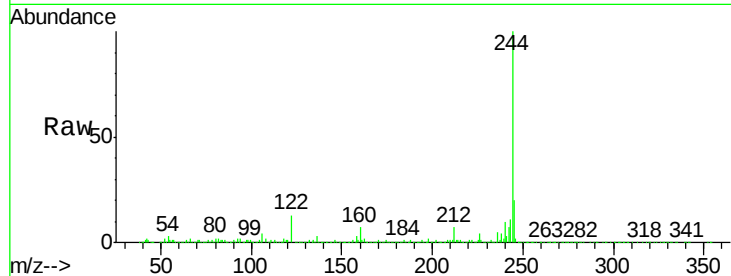
212 7.0 5.8 8.6

122 13.0 9.4 14.2

Manual Integrations
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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

2500000

2000000

1500000

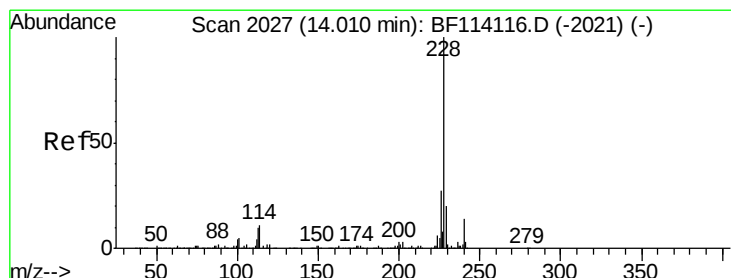
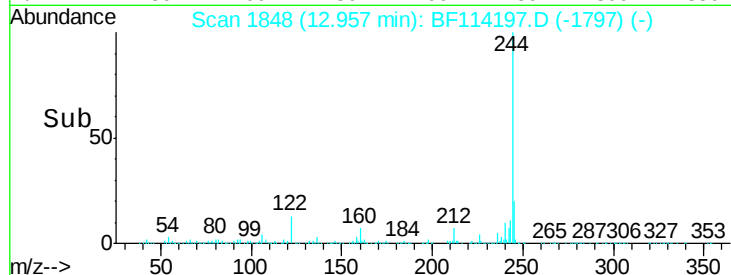
1000000

500000

0

12.90 12.95 13.00

Time-->



#81

Benzo(a)anthracene

Concen: 31.095 ng m

RT: 14.01 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BF114197.D

Acq: 12 May 2019 17:22

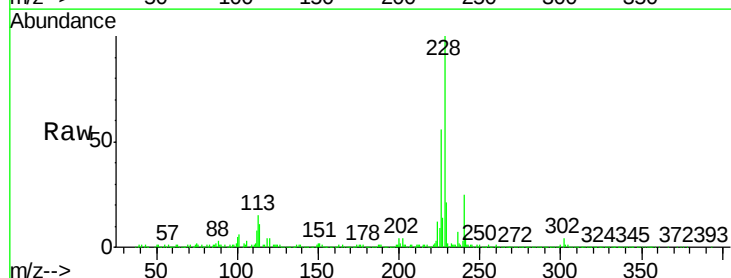
Tgt Ion:228 Resp: 1177695

Ion Ratio Lower Upper

228 100

226 55.6 22.2 33.2#

229 20.7 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

1500000

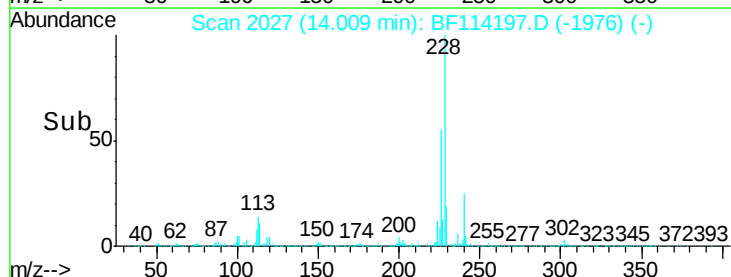
1000000

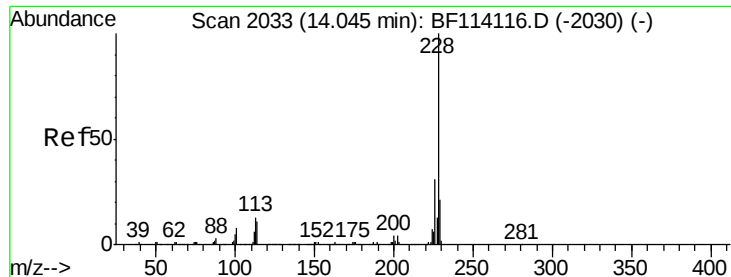
500000

0

13.95 14.00

Time-->





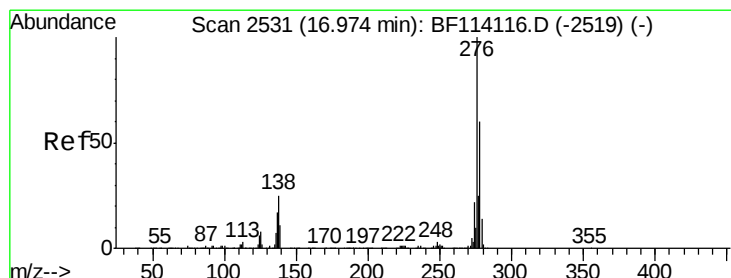
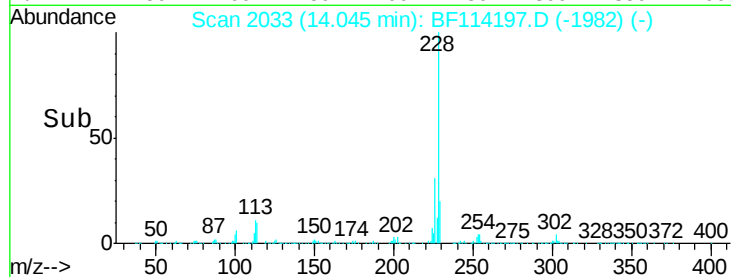
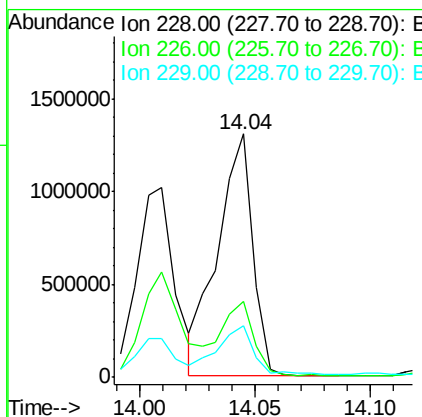
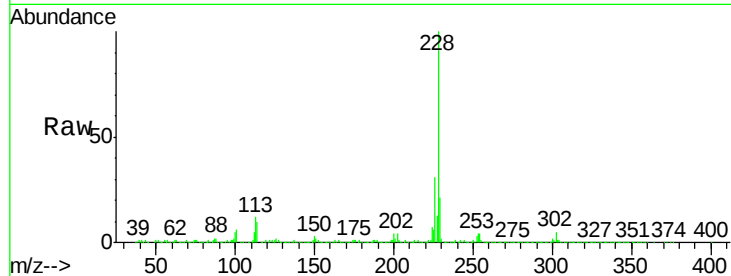
#83
Chrysene
Concen: 37.198 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF114197.D
Acq: 12 May 2019 17:22

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0206-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	21.0	17.0	25.6

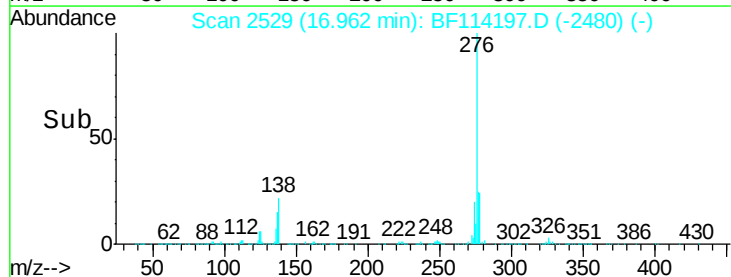
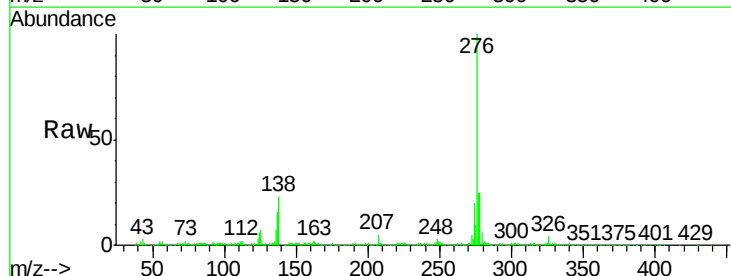
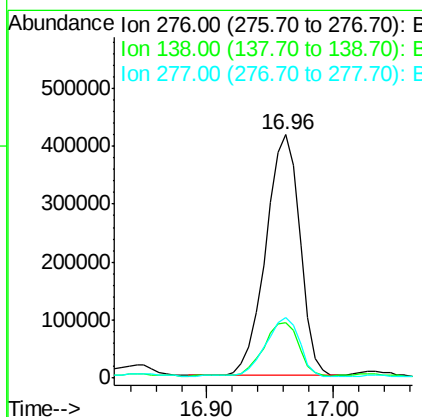
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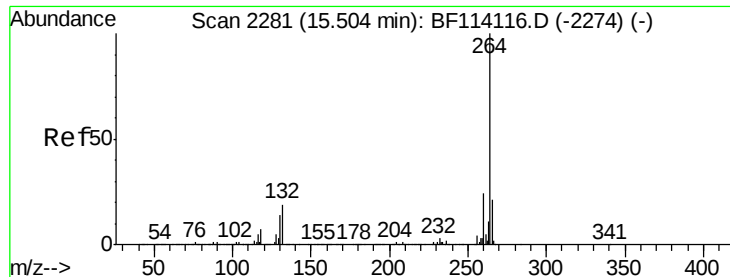
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 23.690 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF114197.D
Acq: 12 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.9	20.2	30.2
277	25.1	20.0	30.0





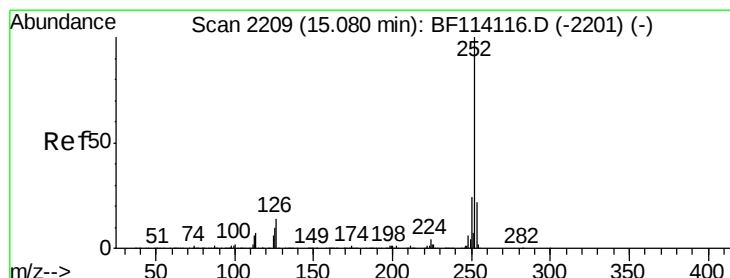
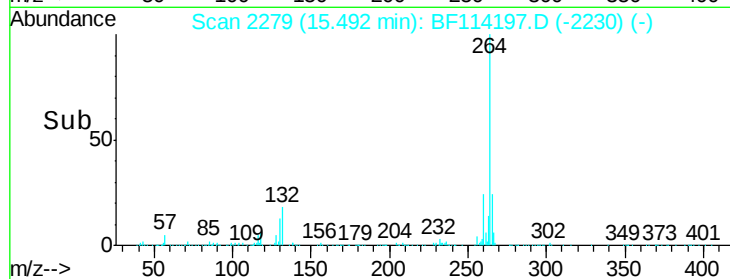
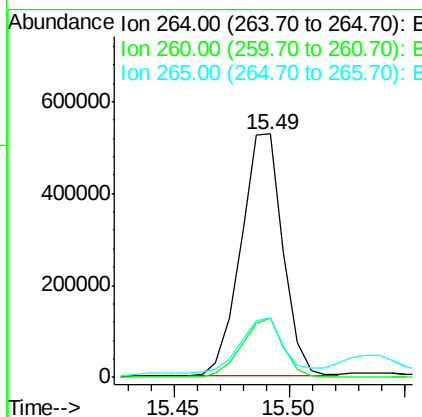
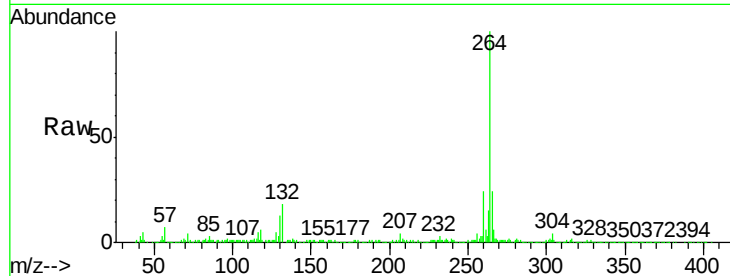
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF114197.D
Acq: 12 May 2019 17:22

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0206-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.0
265	24.3	16.9	25.3

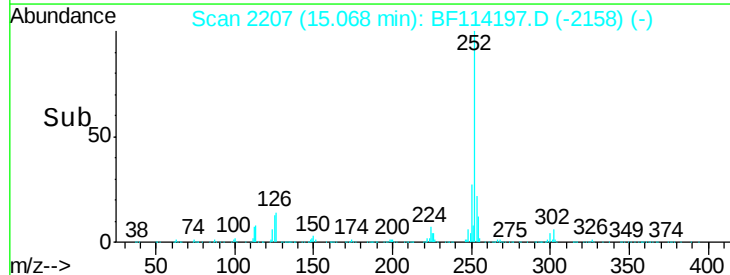
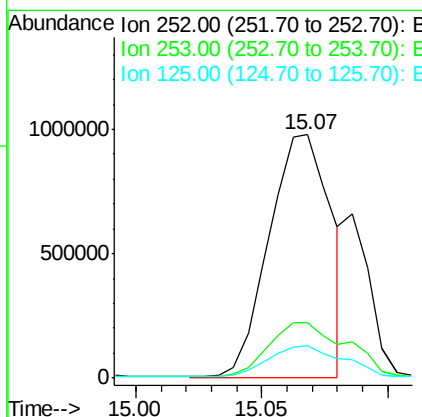
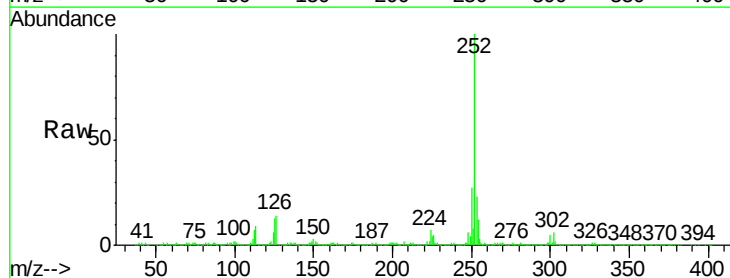
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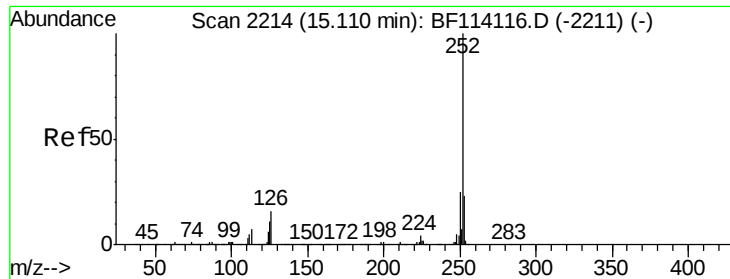
Sohil
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#88
Benzo(b)fluoranthene
Concen: 39.291 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF114197.D
Acq: 12 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	13.3	8.3	12.5





#89

Benzo(k)fluoranthene

Concen: 11.421 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.02 min

Lab File: BF114197.D

Acq: 12 May 2019 17:22

Instrument :

BNA_F

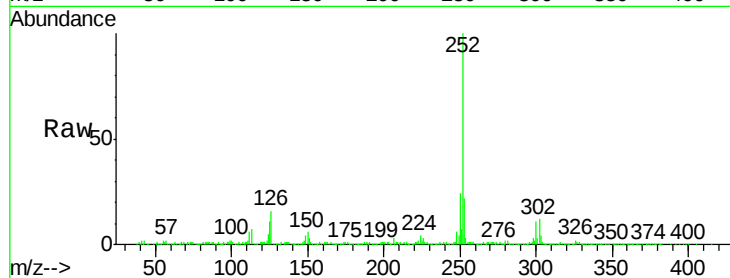
ClientSampled :

P026-SS012-0206-01

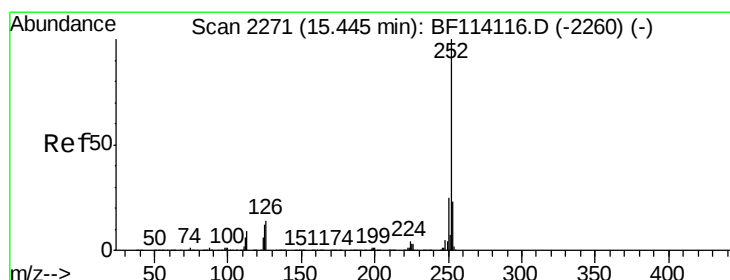
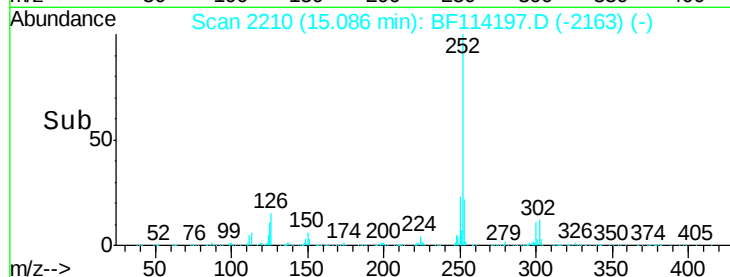
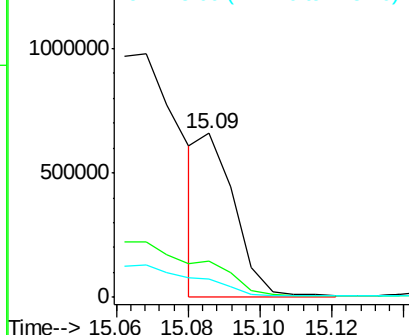
Tot Ion:	252	Resp:	449454
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.2	27.2
125	11.5	8.6	13.0

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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



#90

Benzo(a)pyrene

Concen: 33.334 ng

RT: 15.43 min Scan# 2269

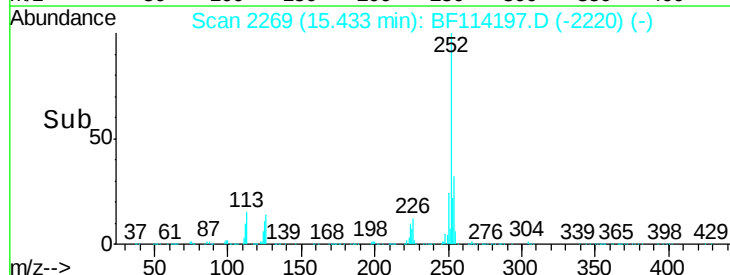
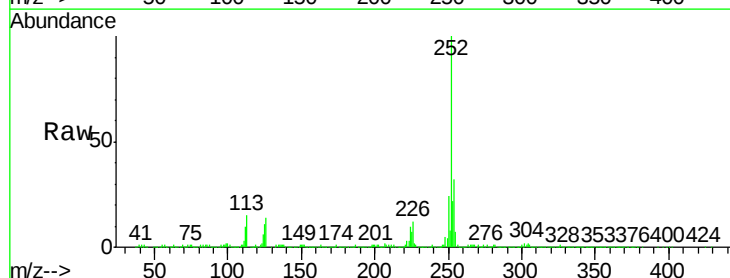
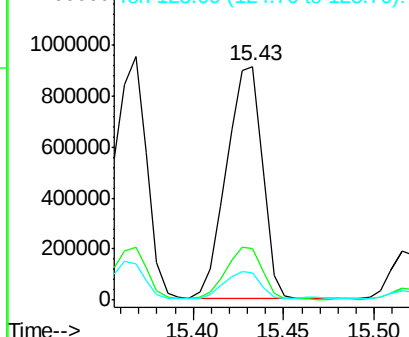
Delta R.T. -0.01 min

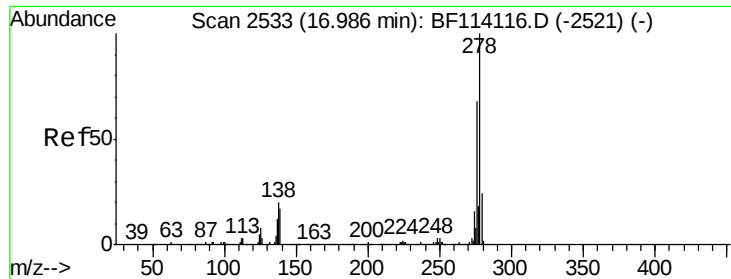
Lab File: BF114197.D

Acq: 12 May 2019 17:22

Tgt Ion:	252	Resp:	1256763
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.1	27.1
125	11.4	9.5	14.3

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





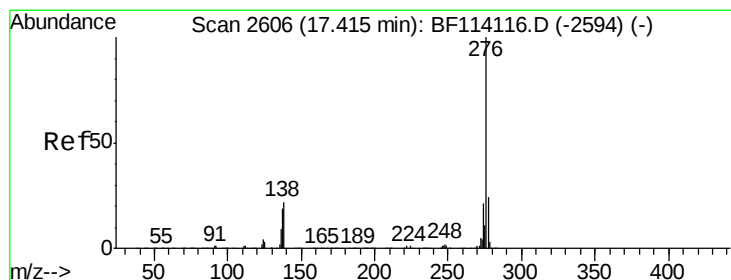
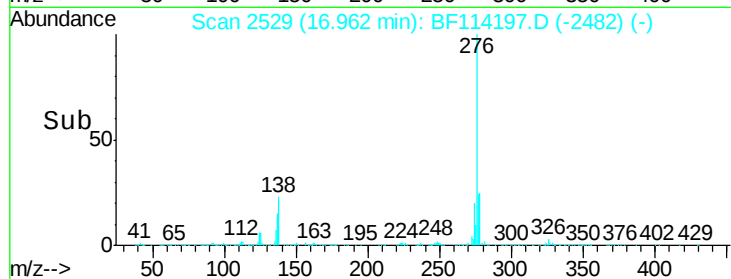
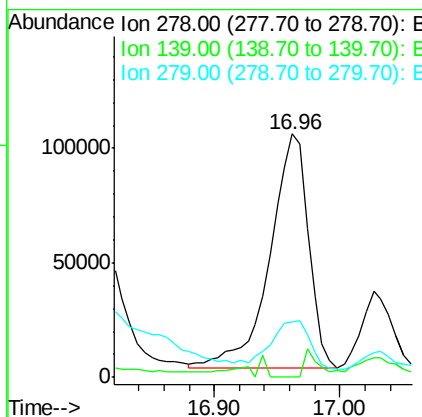
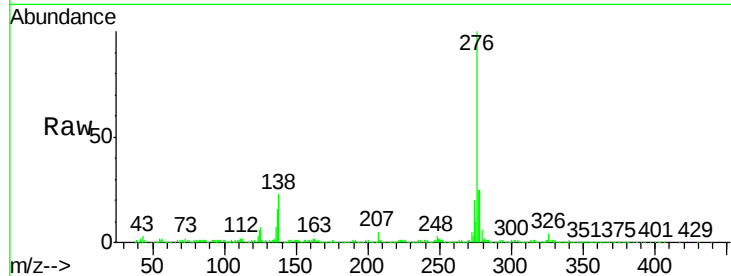
#91
Dibenzo(a,h)anthracene
Concen: 6.909 ng m
RT: 16.96 min Scan# 2529
Delta R.T. -0.02 min
Lab File: BF114197.D
Acq: 12 May 2019 17:22

Instrument :
BNA_F
ClientSampleId :
P026-SS012-0206-01

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	22.9	19.0	28.6

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#92
Benzo(g,h,i)perylene
Concen: 28.004 ng
RT: 17.41 min Scan# 2605
Delta R.T. -0.01 min
Lab File: BF114197.D
Acq: 12 May 2019 17:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.4
138	24.2	17.8	26.6

