

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
 Data File : BF114215.D
 Acq On : 13 May 2019 2:06
 Operator : JU/SJ
 Sample : K2765-13DL 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS005-0002-01DL

Manual Integrations
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Sohil
 5/13/2019 8:37:49 PM

Quant Time: May 13 10:51:55 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	253129	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	973280	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	440913	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	802630	20.00	ng	0.00
76) Chrysene-d12	14.02	240	561265	20.00	ng	0.00
87) Perylene-d12	15.49	264	594144	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	905683	57.58	ng	0.00
7) Phenol-d6	6.49	99	1186107	63.76	ng	0.00
23) Nitrobenzene-d5	7.41	82	712616	41.09	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	251273	55.12	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1122874	38.52	ng	0.00
79) Terphenyl-d14	12.95	244	870263	31.96	ng	0.00

Target Compounds					Qvalue	
31) Naphthalene	8.15	128	246887	5.430	ng	97
37) 2-Methylnaphthalene	8.85	142	91823	3.130	ng	97
38) 1-Methylnaphthalene	8.95	142	55503	2.009	ng	99
49) Acenaphthylene	9.75	152	575164	13.192	ng	97
50) Dimethylphthalate	9.60	163	173427	5.358	ng	99
58) Fluorene	10.43	166	68370	2.256	ng	99
71) Phenanthrene	11.40	178	1825952	46.761	ng	99
72) Anthracene	11.45	178	327901	8.360	ng	96
75) Fluoranthene	12.59	202	2414493	57.419	ng	97
78) Pyrene	12.83	202	3989424	88.357	ng	97
81) Benzo(a)anthracene	14.01	228	1652982m	45.534	ng	
83) Chrysene	14.04	228	1969428	55.342	ng	99
86) Indeno(1,2,3-cd)pyrene	16.96	276	791123	25.154	ng	97
88) Benzo(b)fluoranthene	15.07	252	2074885m	54.510	ng	
89) Benzo(k)fluoranthene	15.09	252	433252m	12.391	ng	
90) Benzo(a)pyrene	15.43	252	1246161	37.199	ng	99
91) Dibenzo(a,h)anthracene	16.97	278	224576m	8.068	ng	
92) Benzo(g,h,i)perylene	17.42	276	897051	32.156	ng	97

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

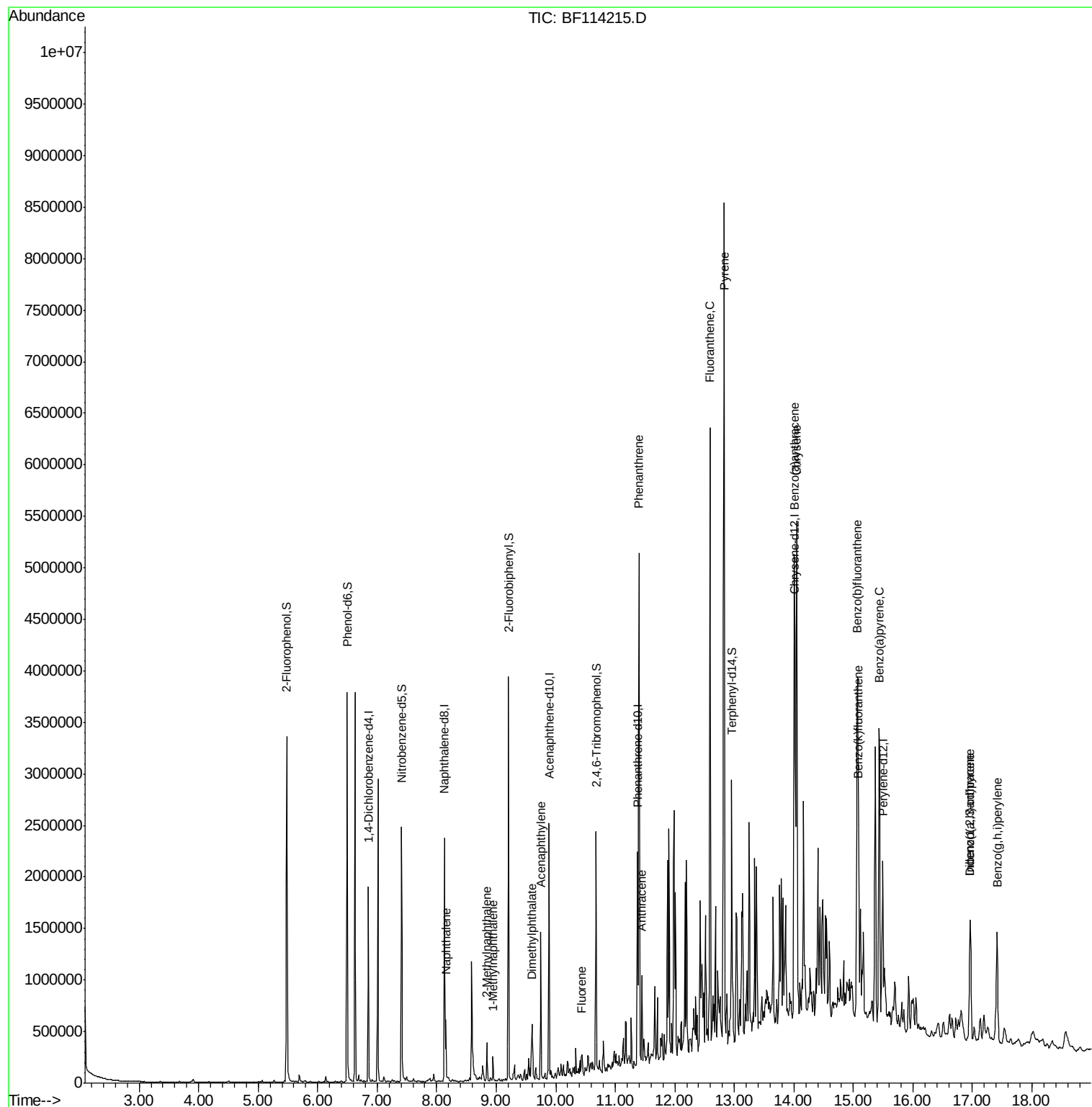
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114215.D
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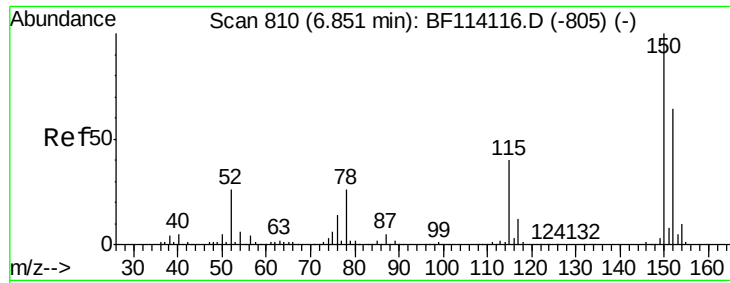
Instrument :
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P026-SS005-0002-01DL

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Quant Time: May 13 10:51:55 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

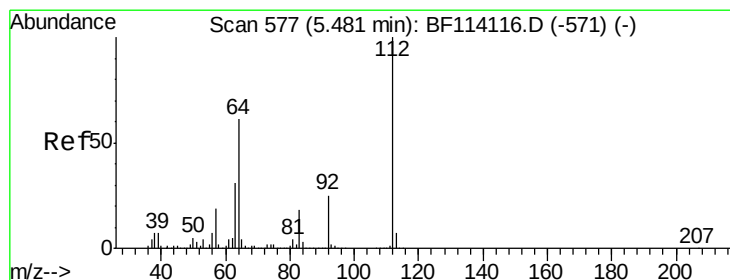
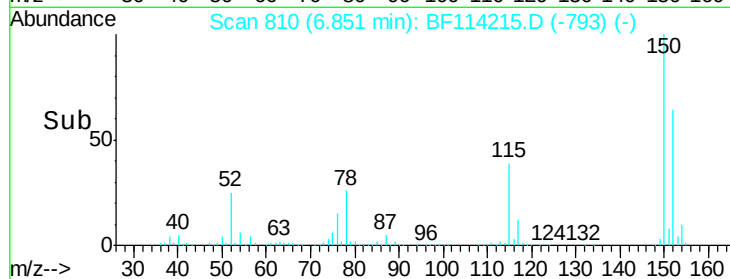
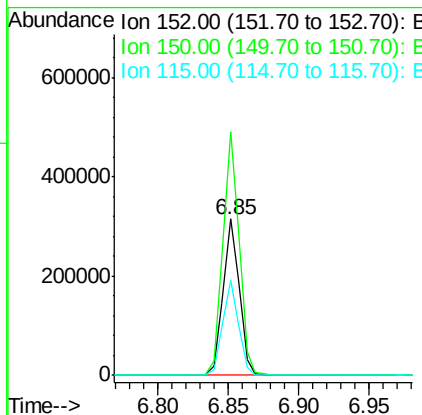
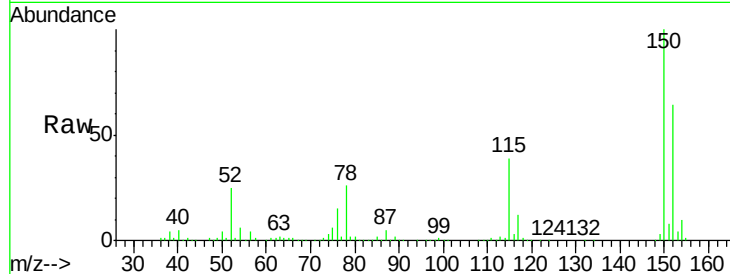
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF114215.D
Acq: 13 May 2019 2:06

Instrument :
BNA_F
ClientSampleId :
P026-SS005-0002-01DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.3	186.5
115	60.8	49.1	73.7

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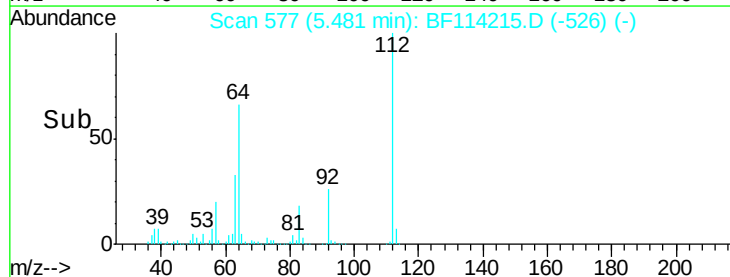
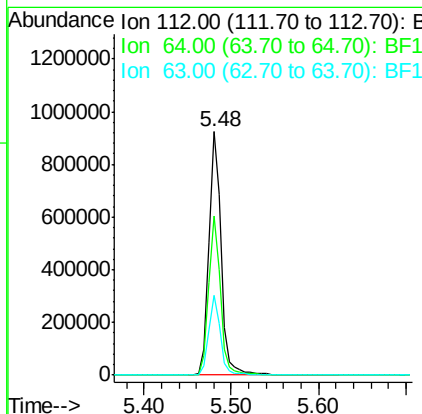
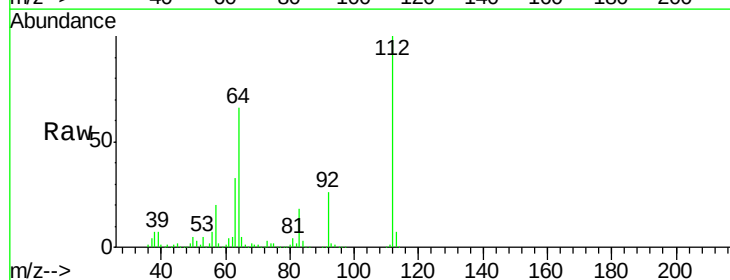
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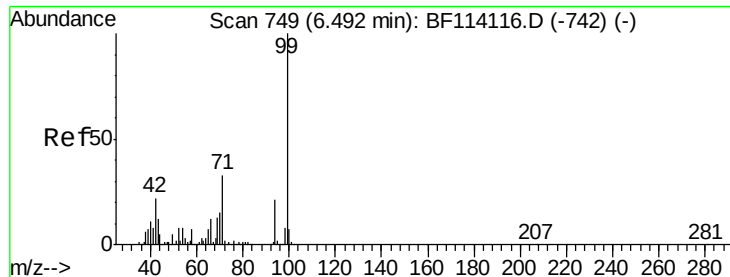


#5

2-Fluorophenol
Concen: 57.579 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF114215.D
Acq: 13 May 2019 2:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	49.0	73.6
63	33.0	24.6	37.0





#7

Phenol-d6

Concen: 63.756 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114215.D

Acq: 13 May 2019 2:06

Instrument :

BNA_F

ClientSampleId :

P026-SS005-0002-01DL

Tot Ion: 99 Resp: 1186107

Ion Ratio Lower Upper

99 100

42 21.9 17.9 26.9

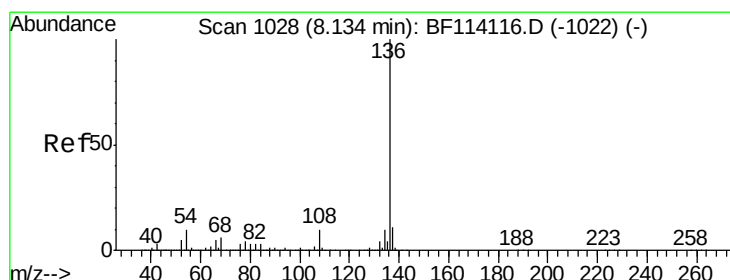
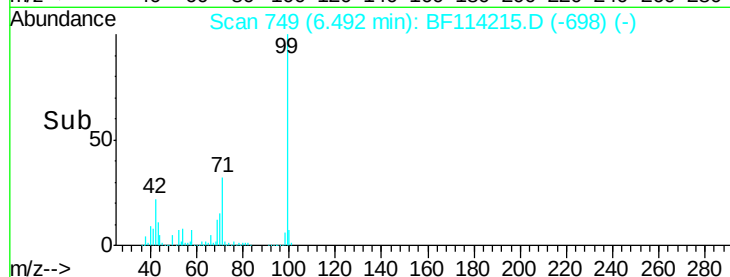
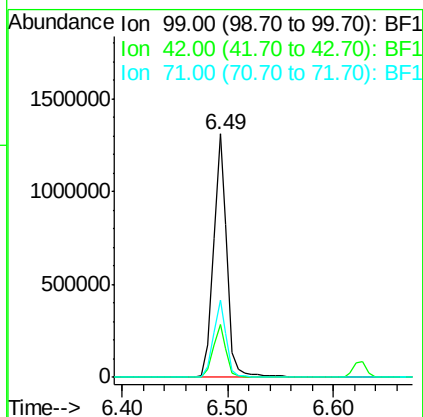
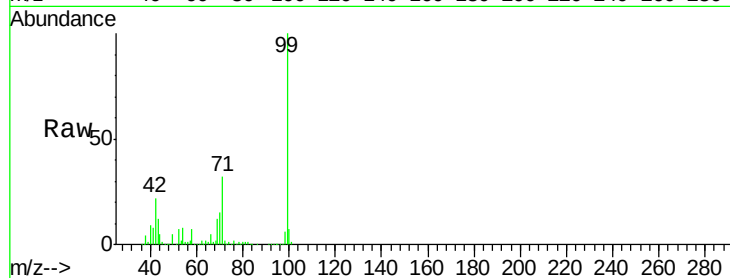
71 31.6 26.2 39.2

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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: BF114215.D

Acq: 13 May 2019 2:06

Tgt Ion: 136 Resp: 973280

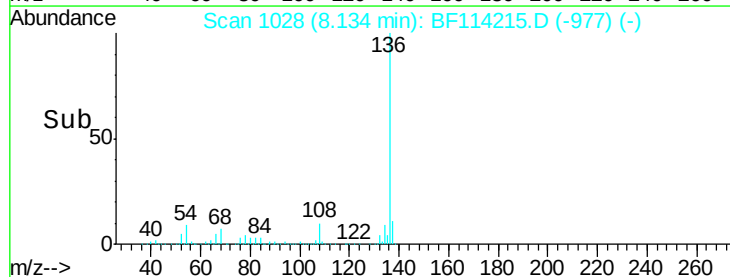
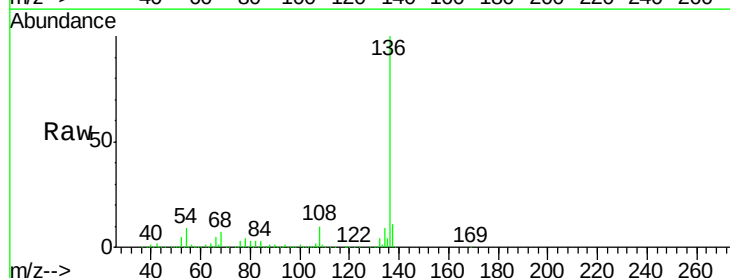
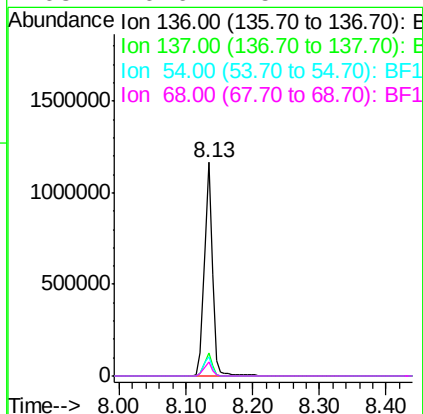
Ion Ratio Lower Upper

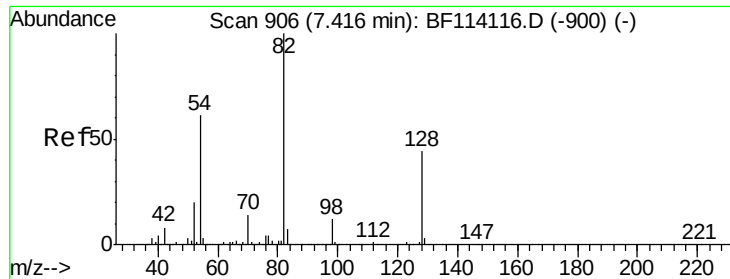
136 100

137 11.1 8.8 13.2

54 9.2 7.8 11.8

68 6.6 5.1 7.7





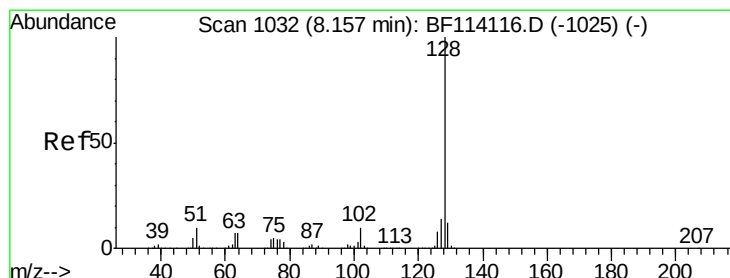
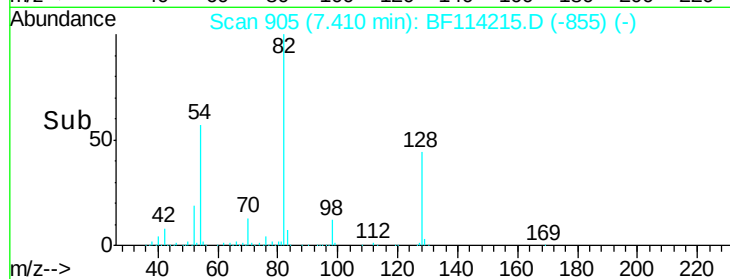
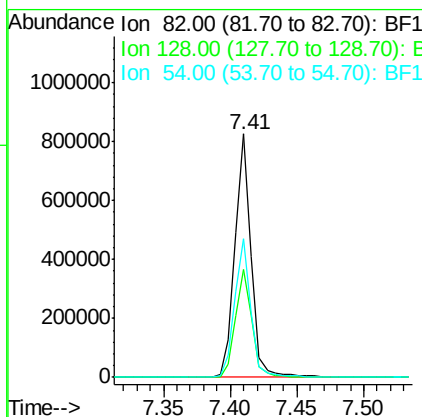
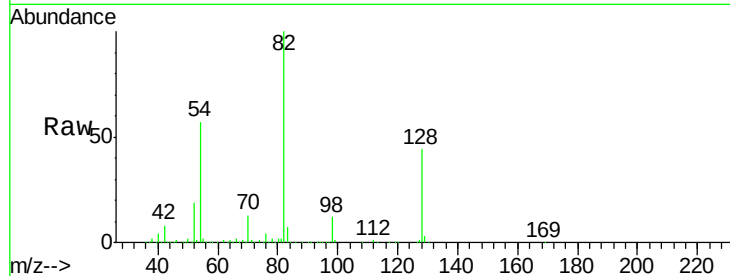
#23
 Nitrobenzene-d5
 Concen: 41.090 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF114215.D
 Acq: 13 May 2019 2:06

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS005-0002-01DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.4	35.5	53.3	
54	57.2	48.5	72.7	

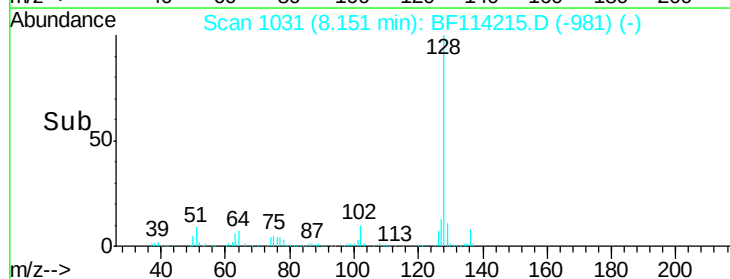
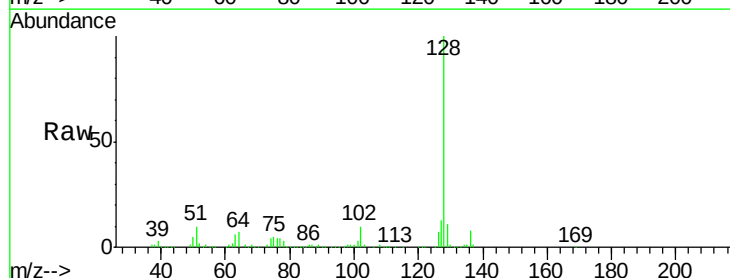
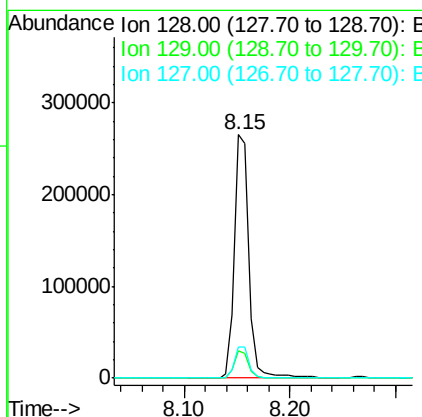
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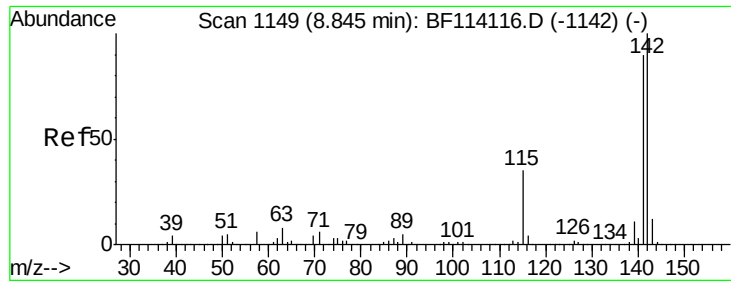
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#31
 Naphthalene
 Concen: 5.430 ng
 RT: 8.15 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: BF114215.D
 Acq: 13 May 2019 2:06

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.3	9.6	14.4	
127	12.8	11.3	16.9	





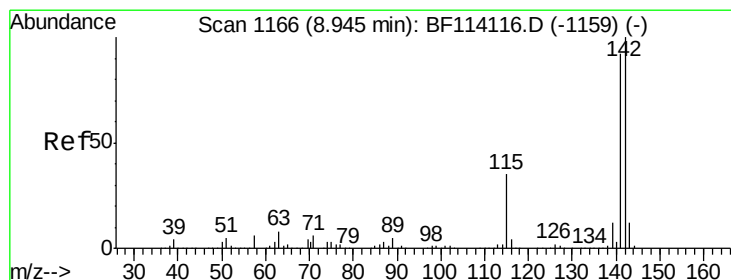
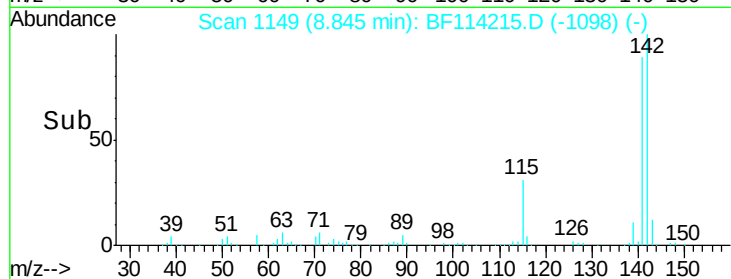
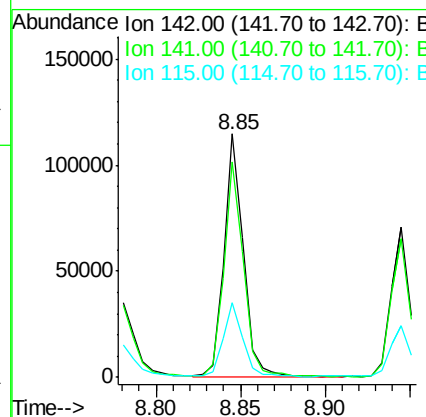
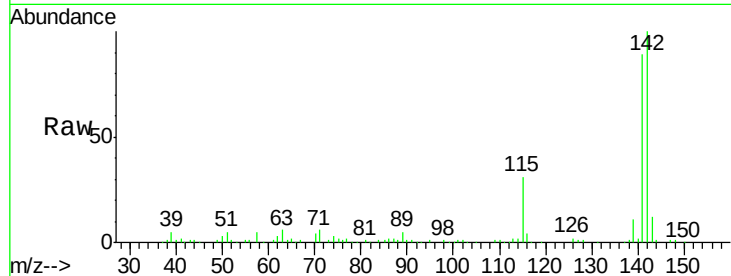
#37
2-Methylnaphthalene
Concen: 3.130 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF114215.D
Acq: 13 May 2019 2:06

Instrument :
BNA_F
ClientSampleId :
P026-SS005-0002-01DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	72.1	108.1
115	30.8	28.0	42.0

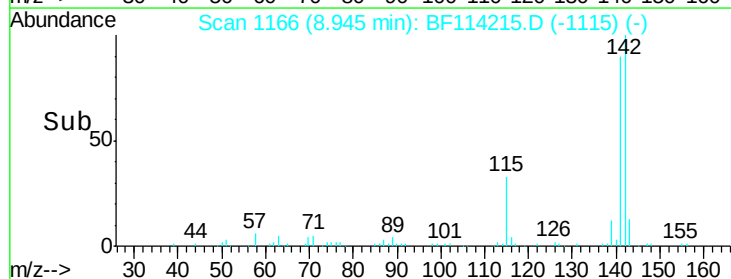
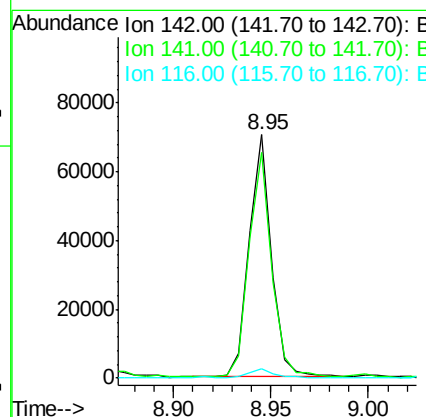
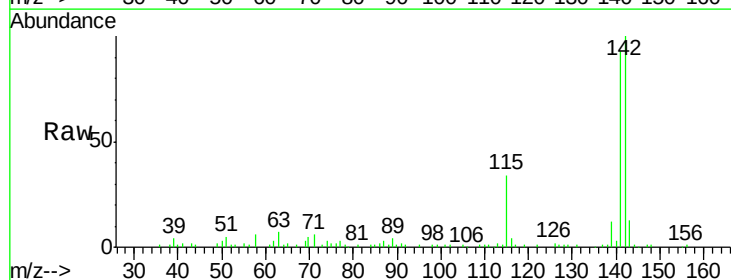
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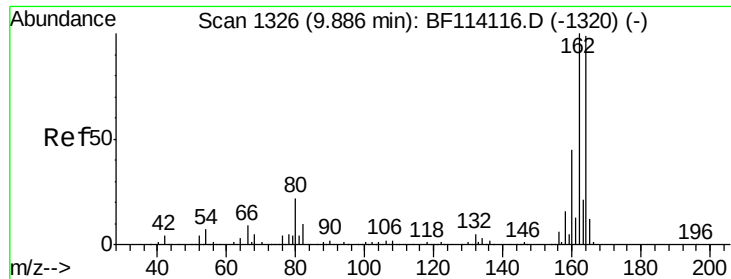
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#38
1-Methylnaphthalene
Concen: 2.009 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF114215.D
Acq: 13 May 2019 2:06

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.4	110.0
116	4.1	3.1	4.7





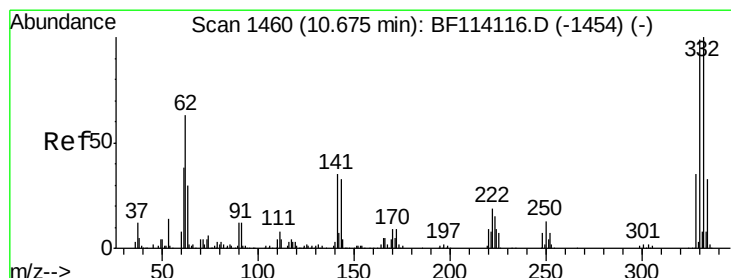
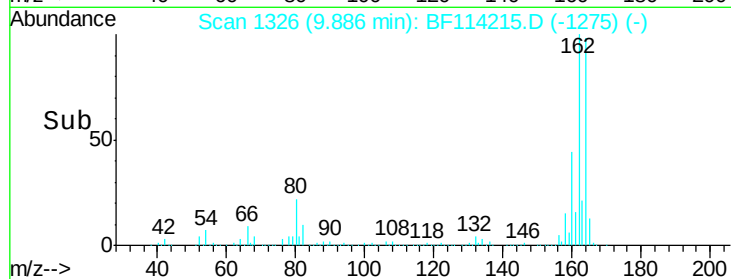
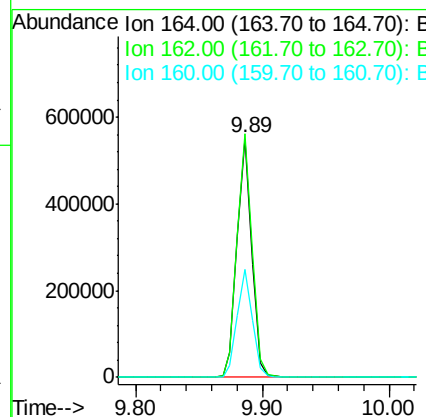
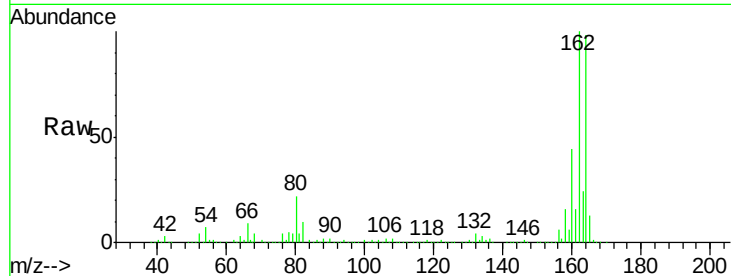
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: BF114215.D
 Acq: 13 May 2019 2:06

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS005-0002-01DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.1	80.6	120.8	
160	45.3	36.5	54.7	

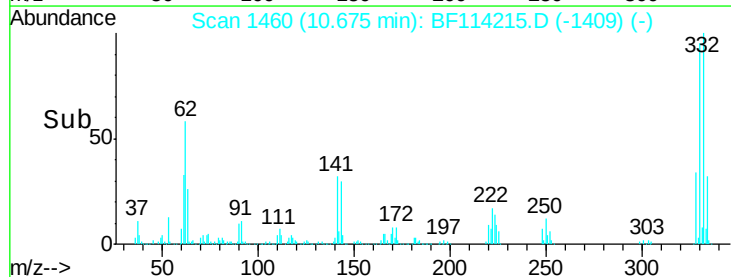
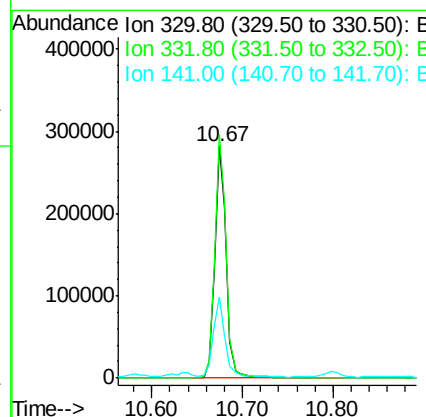
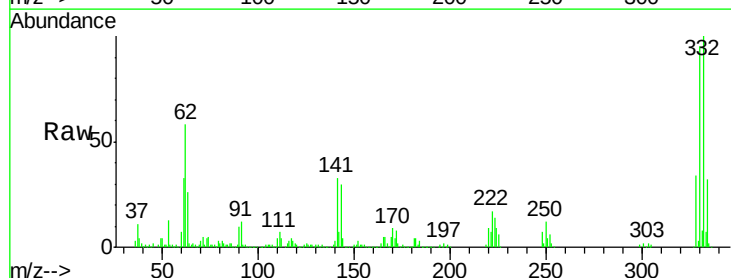
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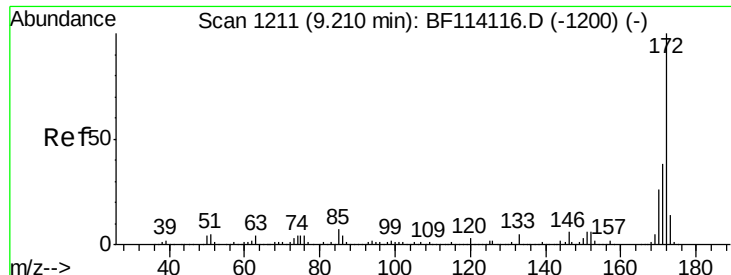
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#42
 2,4,6-Tribromophenol
 Concen: 55.124 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: BF114215.D
 Acq: 13 May 2019 2:06

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	104.1	81.4	122.2	
141	33.7	26.6	40.0	





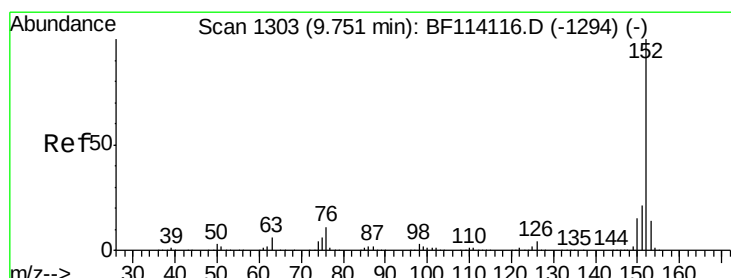
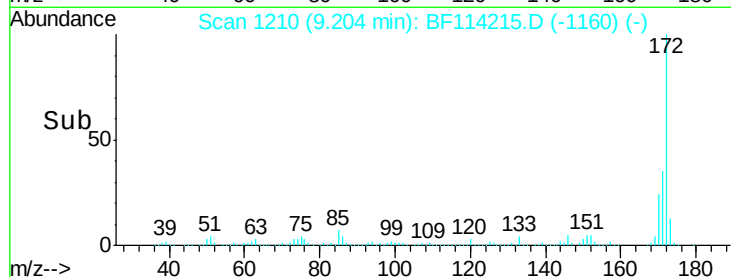
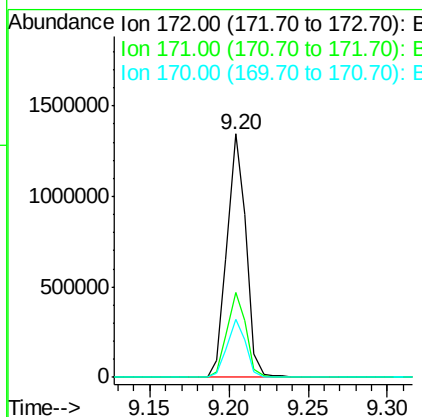
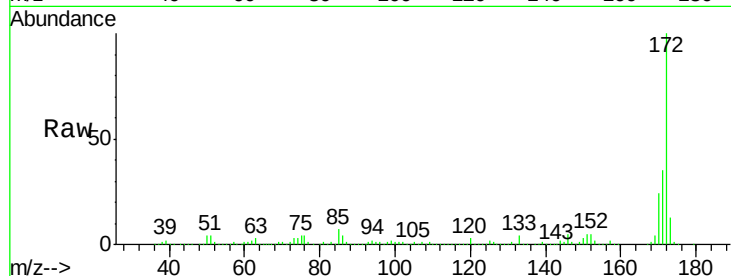
#45
2-Fluorobiphenyl
Concen: 38.523 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114215.D
Acq: 13 May 2019 2:06

Instrument :
BNA_F
ClientSampleId :
P026-SS005-0002-01DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.7	46.1
170	23.7	20.5	30.7

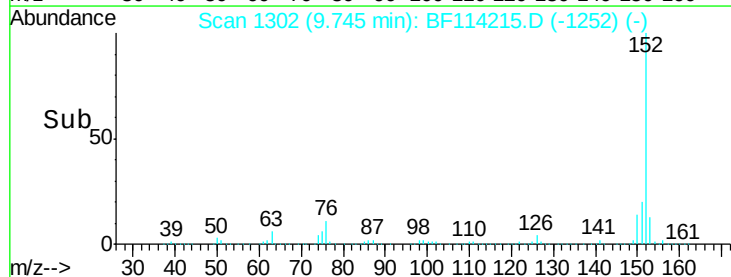
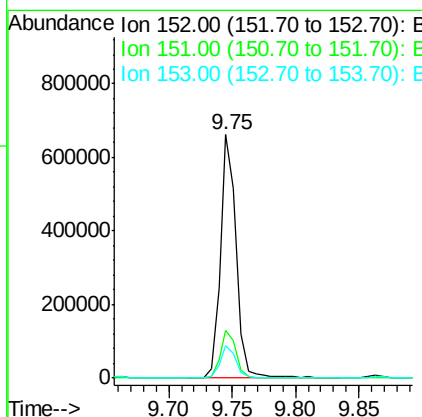
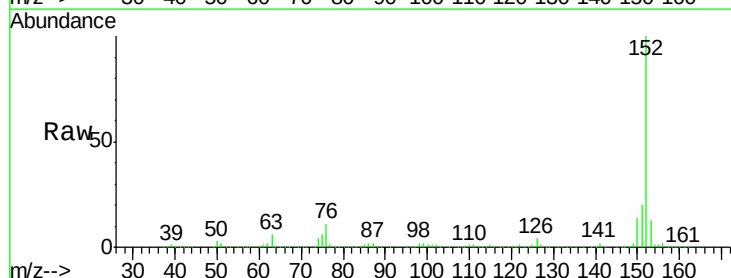
Manual Integrations
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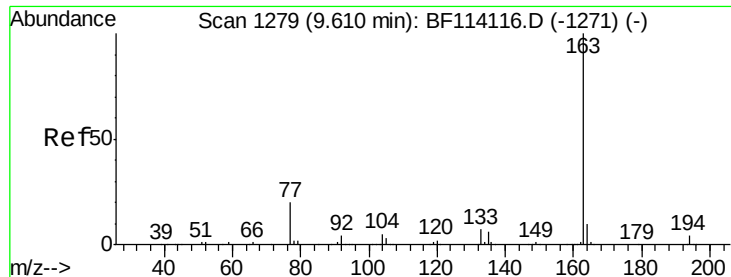
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#49
Acenaphthylene
Concen: 13.192 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF114215.D
Acq: 13 May 2019 2:06

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.8	25.2
153	13.2	11.4	17.2





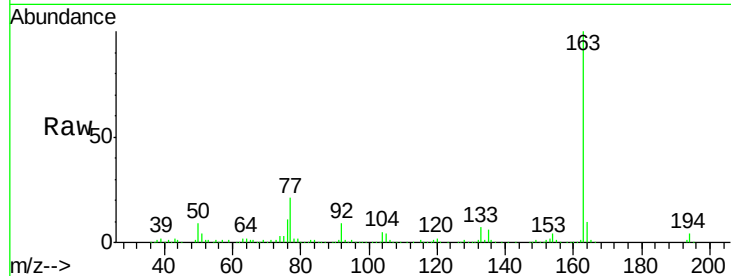
#50
Dimethylphthalate
Concen: 5.358 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF114215.D
Acq: 13 May 2019 2:06

Instrument :
BNA_F
ClientSampleId :
P026-SS005-0002-01DL

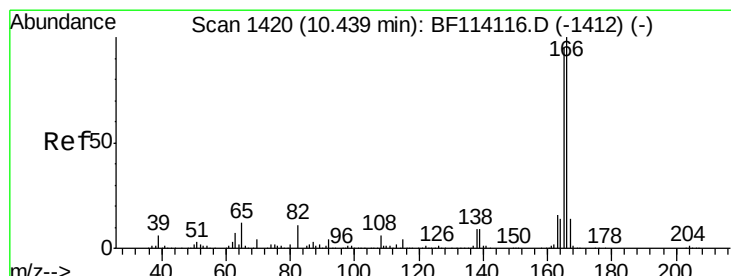
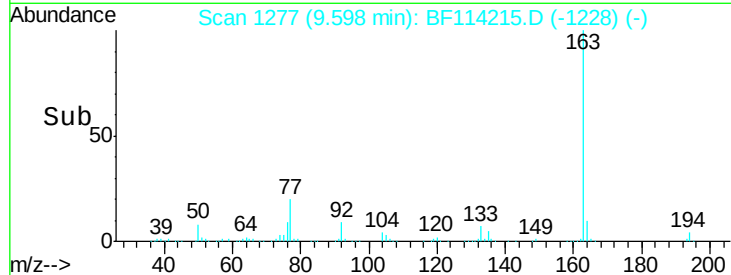
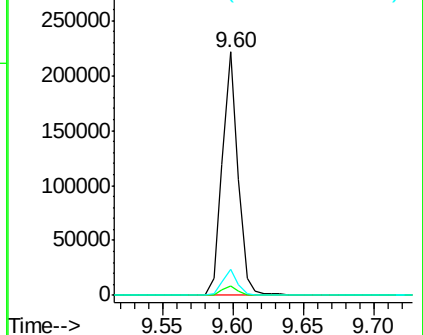
Tot Ion	Ratio	Resp	Lower	Upper
163	100	173427		
194	3.9		3.4	5.0
164	10.5		8.2	12.2

Manual Integrations
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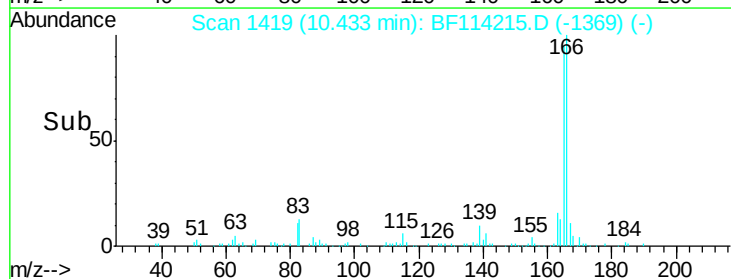
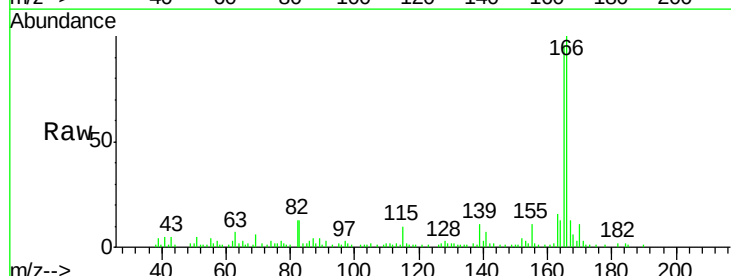
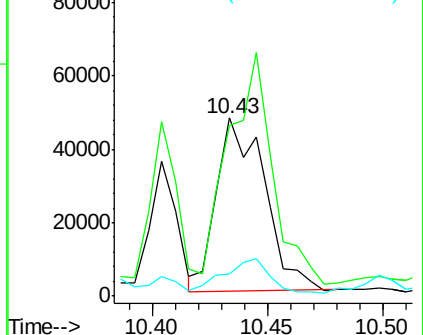
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

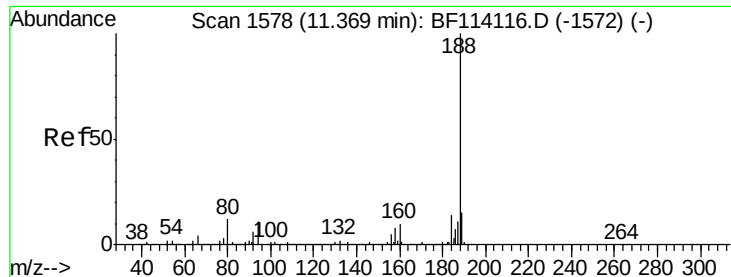


#58
Fluorene
Concen: 2.256 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF114215.D
Acq: 13 May 2019 2:06

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	68370		
165	95.8		76.1	114.1
167	12.7		11.1	16.7

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





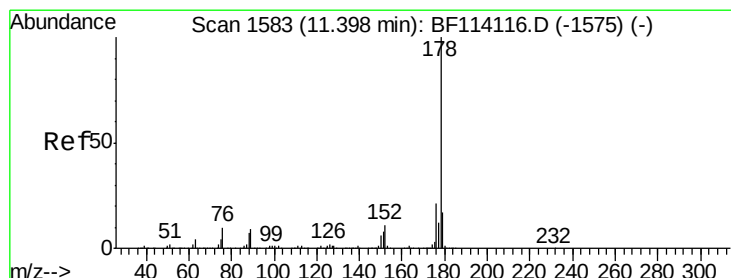
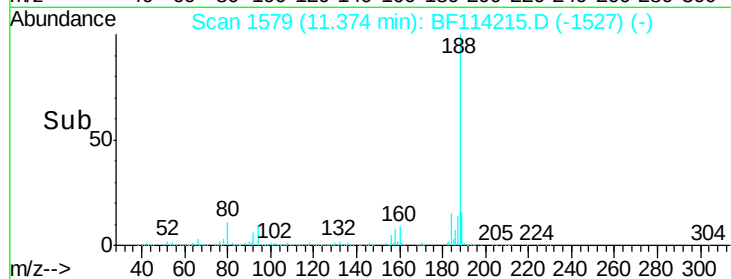
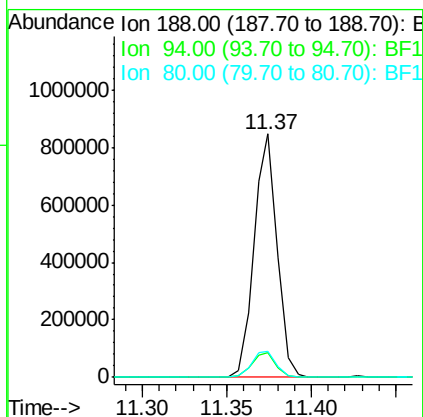
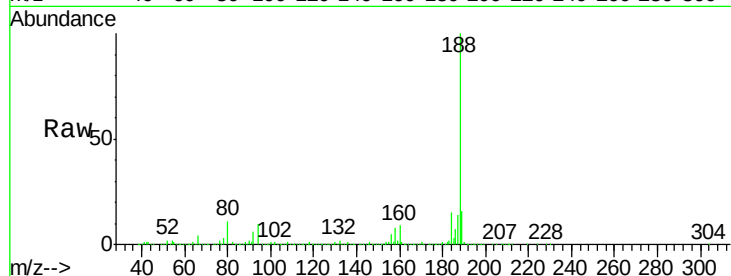
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF114215.D
Acq: 13 May 2019 2:06

Instrument :
BNA_F
ClientSampleId :
P026-SS005-0002-01DL

Tot Ion:	188	Resp:	802630
Ion Ratio	Lower	Upper	
188	100		
94	10.2	8.4	12.6
80	10.9	9.2	13.8

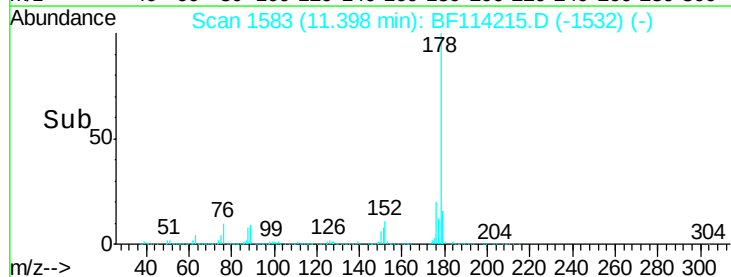
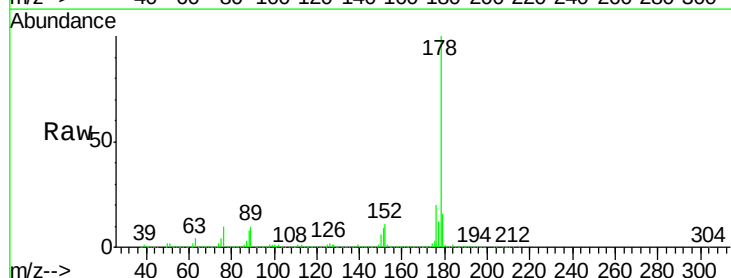
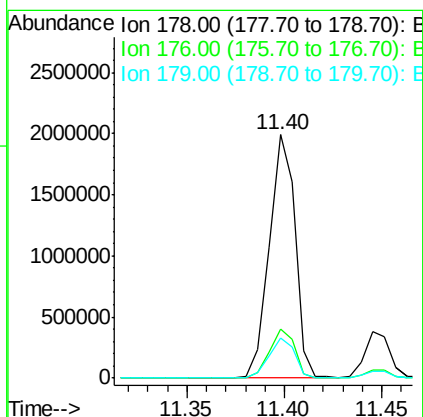
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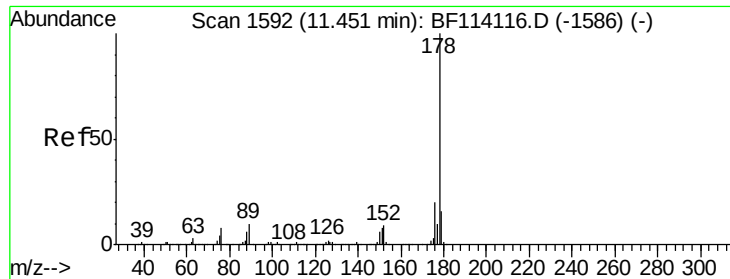
Sohil
5/13/2019 8:37:49 PM



#71
Phenanthrene
Concen: 46.761 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF114215.D
Acq: 13 May 2019 2:06

Tgt Ion:	178	Resp:	1825952
Ion Ratio	Lower	Upper	
178	100		
176	20.2	16.4	24.6
179	16.4	13.2	19.8





#72

Anthracene

Concen: 8.360 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF114215.D

Acq: 13 May 2019 2:06

Instrument :

BNA_F

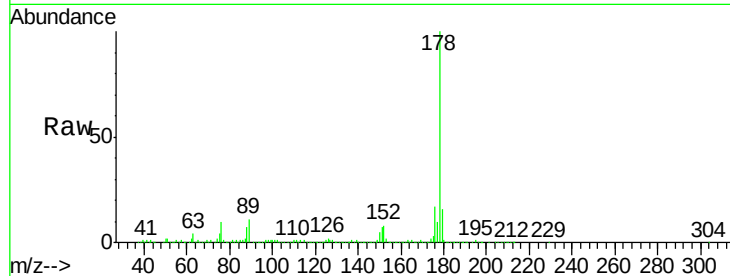
ClientSampleId :

P026-SS005-0002-01DL

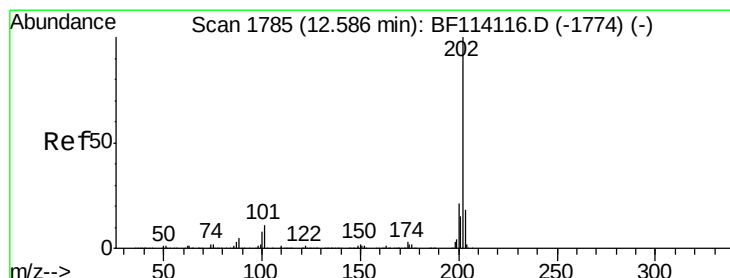
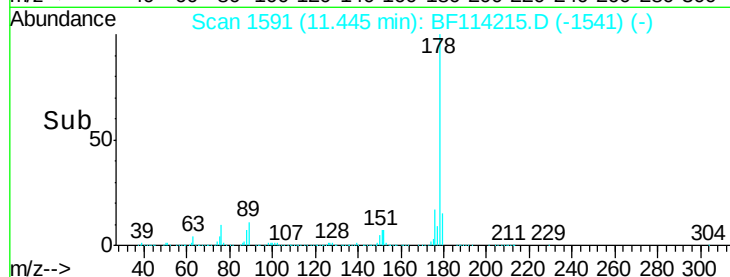
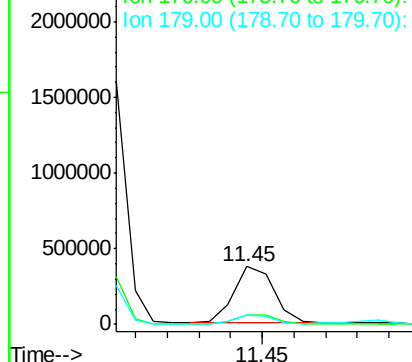
Tot Ion:	178	Resp:	327901
Ion Ratio	Lower	Upper	
178	100		
176	17.3	15.8	23.8
179	15.6	13.0	19.4

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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: 57.419 ng

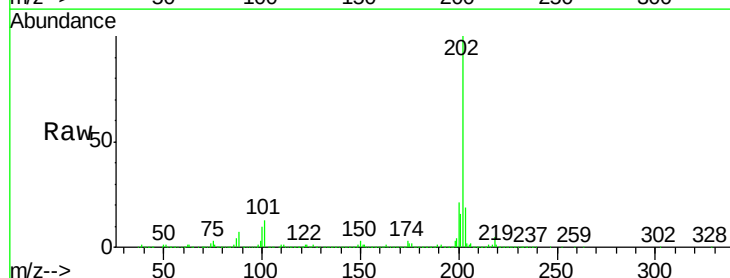
RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

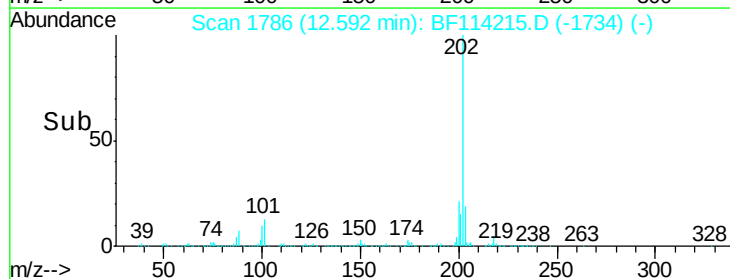
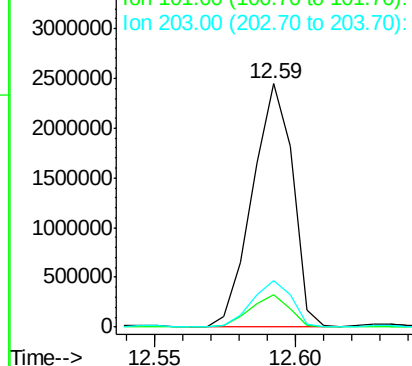
Lab File: BF114215.D

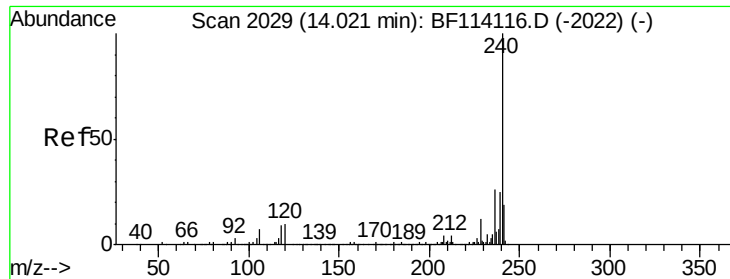
Acq: 13 May 2019 2:06

Tgt Ion:	202	Resp:	2414493
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	31.0
203	19.0	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: BF114215.D

Acq: 13 May 2019 2:06

Instrument :

BNA_F

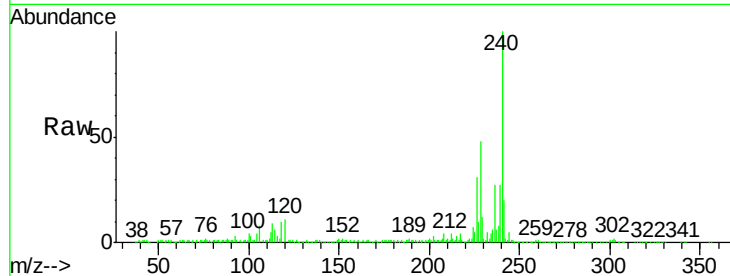
ClientSampleId :

P026-SS005-0002-01DL

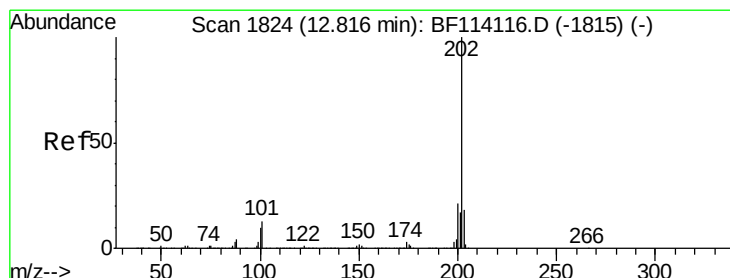
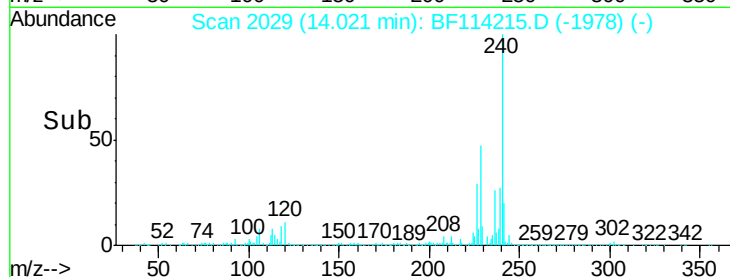
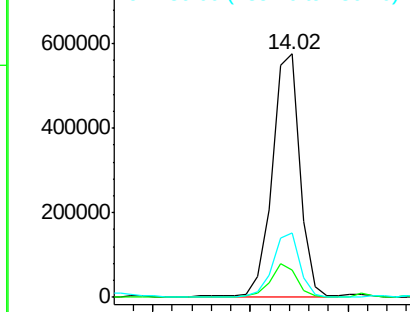
Tot Ion:	240	Resp:	561265
Ion Ratio		Lower	Upper
240	100		
120	11.2	8.3	12.5
236	26.6	20.8	31.2

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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

Pyrene

Concen: 88.357 ng

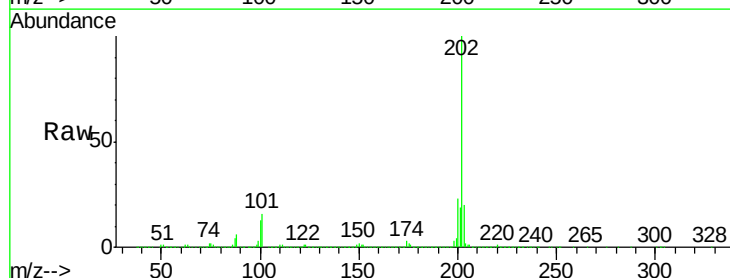
RT: 12.83 min Scan# 1826

Delta R.T. 0.01 min

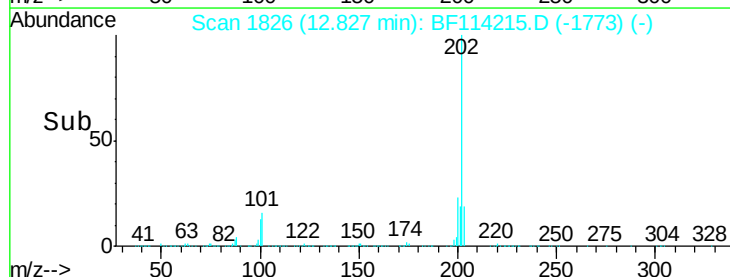
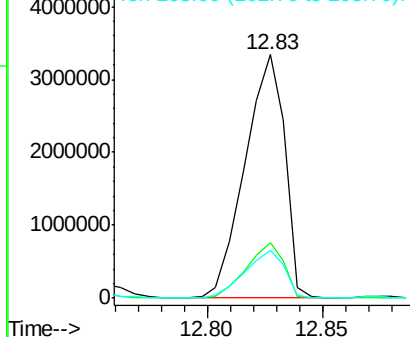
Lab File: BF114215.D

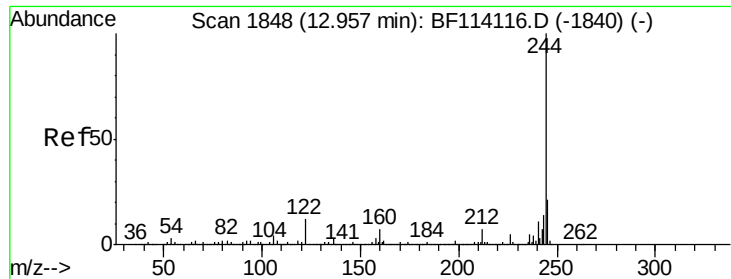
Acq: 13 May 2019 2:06

Tgt Ion:	202	Resp:	3989424
Ion Ratio		Lower	Upper
202	100		
200	22.7	16.9	25.3
203	19.6	14.5	21.7



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





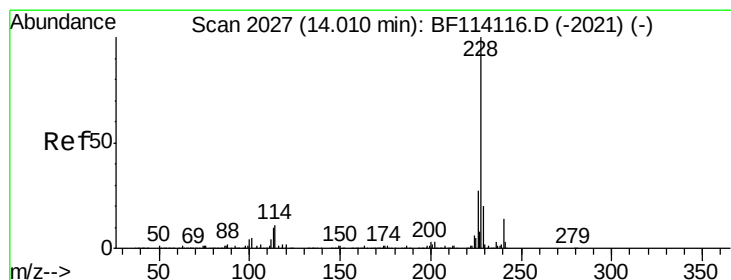
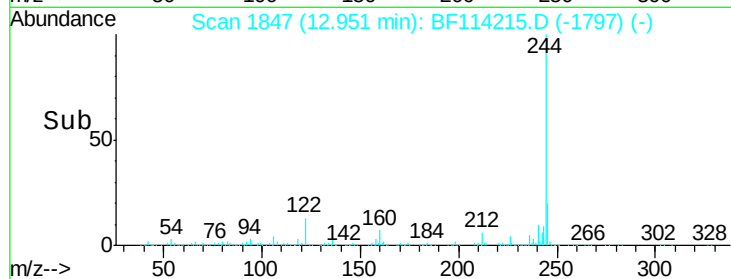
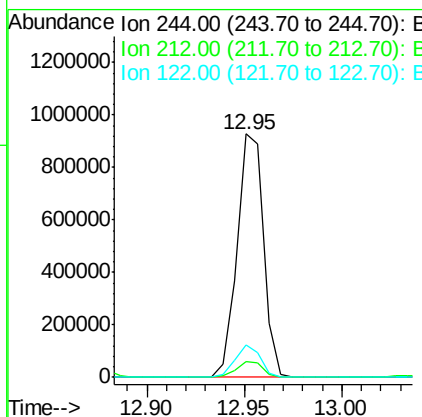
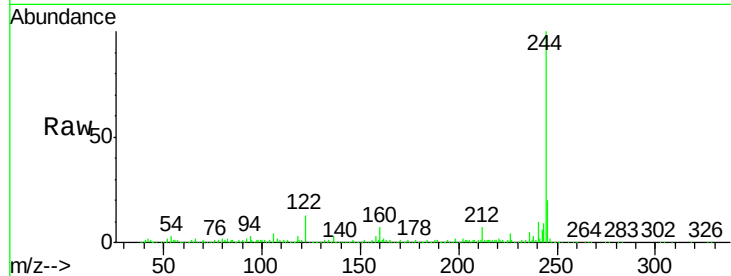
#79
 Terphenyl-d14
 Concen: 31.963 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF114215.D
 Acq: 13 May 2019 2:06

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS005-0002-01DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	13.1	9.4	14.2

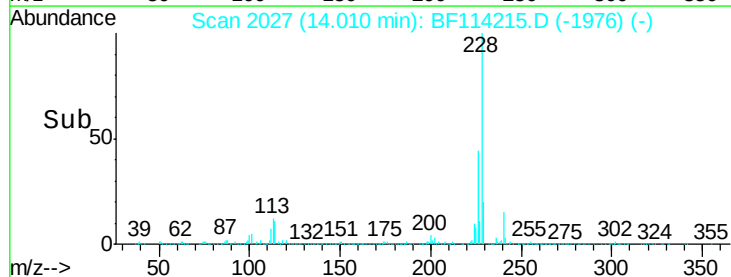
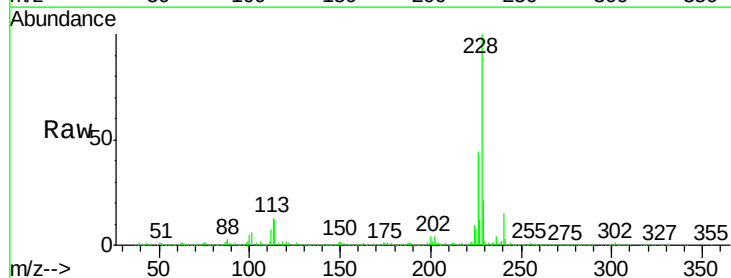
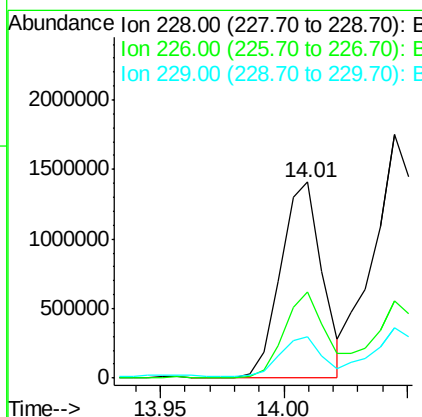
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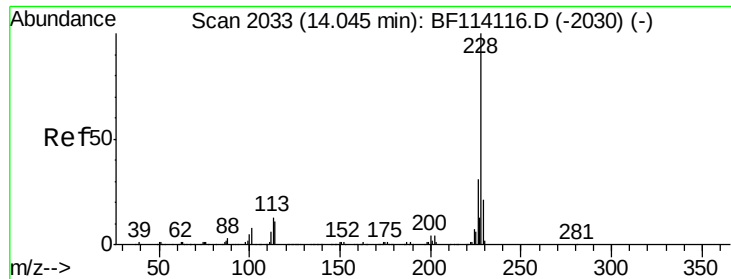
Sohil
 5/13/2019 8:37:49 PM



#81
 Benzo(a)anthracene
 Concen: 45.534 ng m
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.00 min
 Lab File: BF114215.D
 Acq: 13 May 2019 2:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	44.3	22.2	33.2#
229	21.3	16.4	24.6





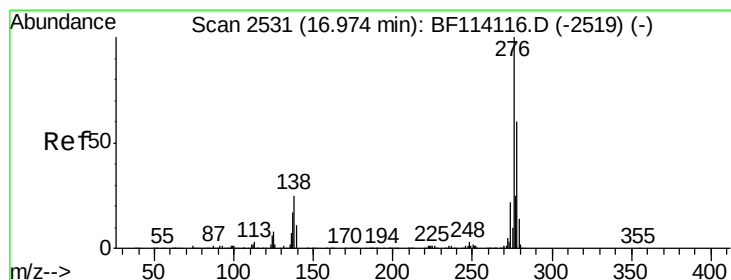
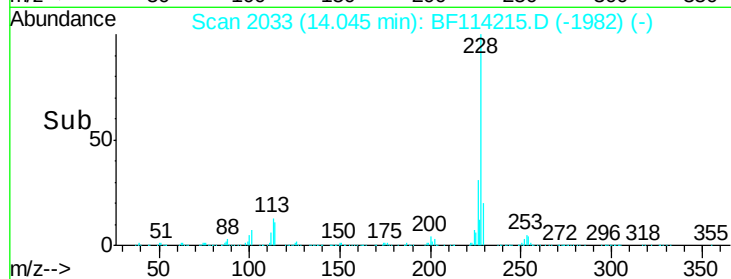
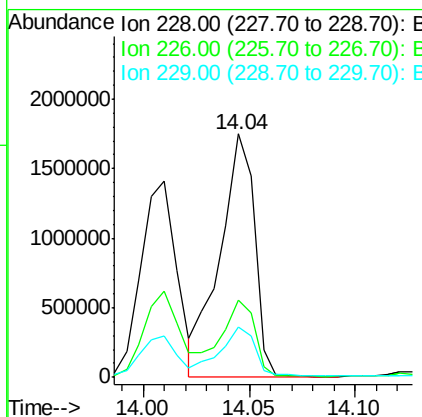
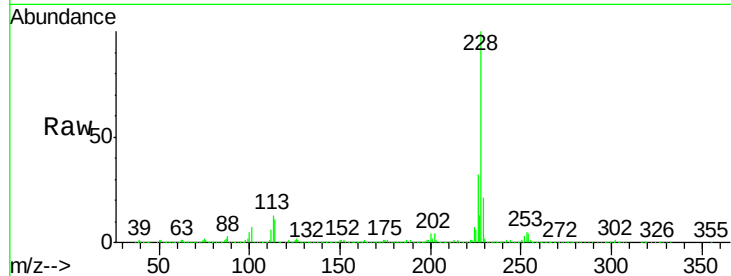
#83
Chrysene
Concen: 55.342 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF114215.D
Acq: 13 May 2019 2:06

Instrument :
BNA_F
ClientSampleId :
P026-SS005-0002-01DL

Tot Ion:228 Resp: 1969428
Ion Ratio Lower Upper
228 100
226 31.5 25.0 37.6
229 20.9 17.0 25.6

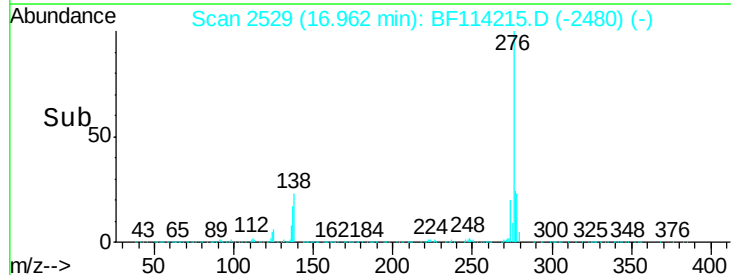
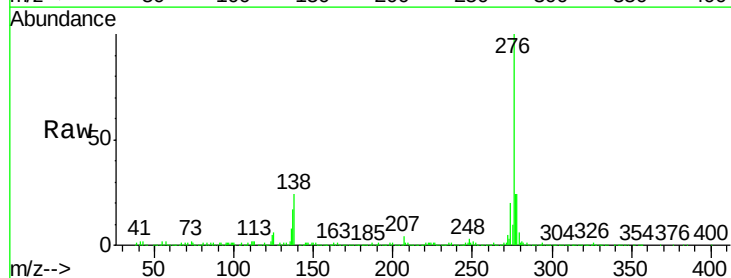
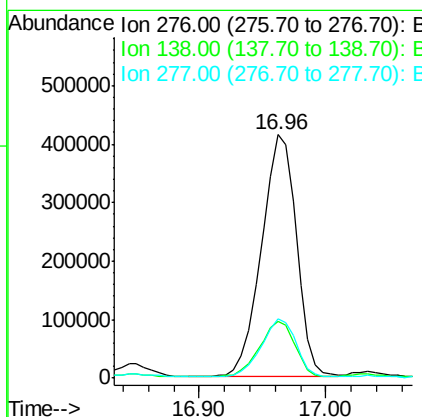
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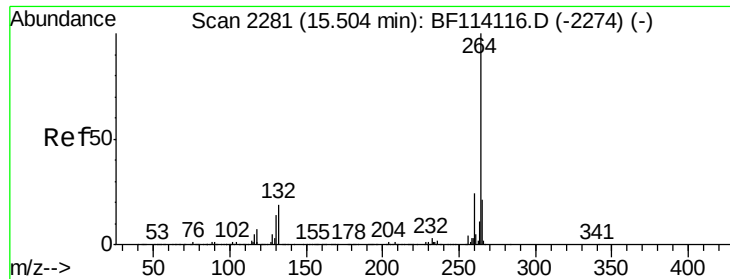
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 25.154 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF114215.D
Acq: 13 May 2019 2:06

Tgt Ion:276 Resp: 791123
Ion Ratio Lower Upper
276 100
138 23.2 20.2 30.2
277 23.9 20.0 30.0





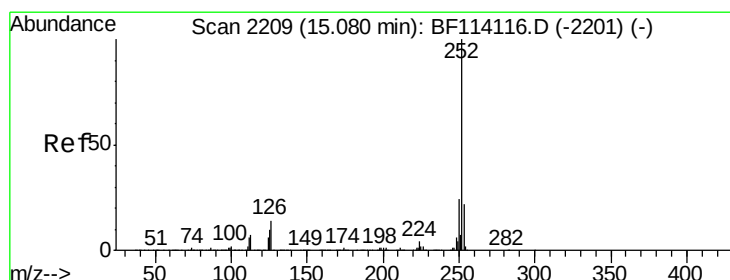
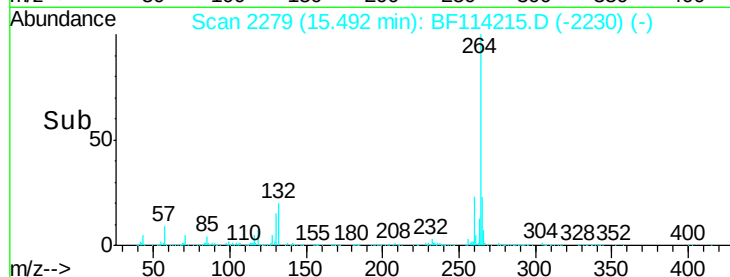
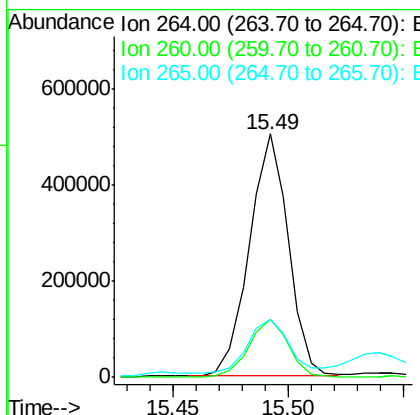
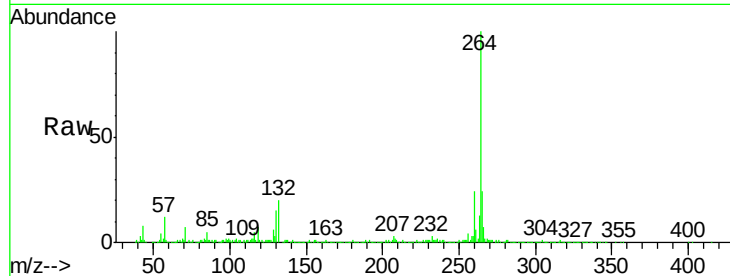
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF114215.D
Acq: 13 May 2019 2:06

Instrument :
BNA_F
ClientSampleId :
P026-SS005-0002-01DL

Tot Ion:	264	Resp:	594144
Ion Ratio		Lower	Upper
264	100		
260	23.8	19.4	29.0
265	23.7	16.9	25.3

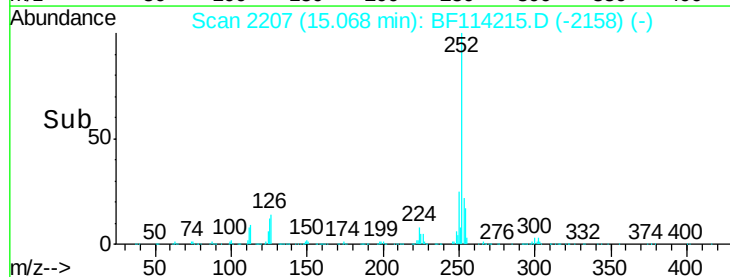
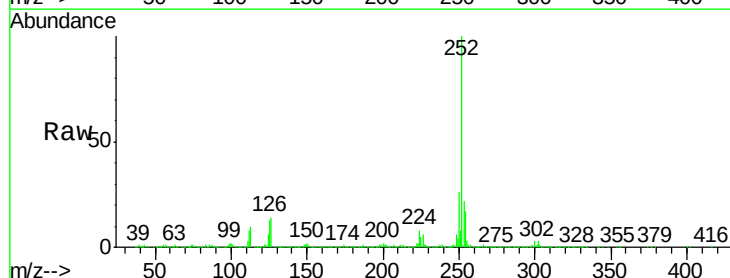
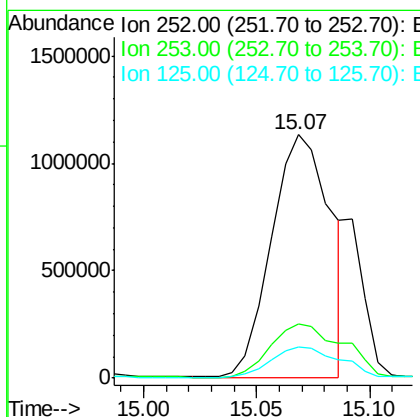
Manual Integrations
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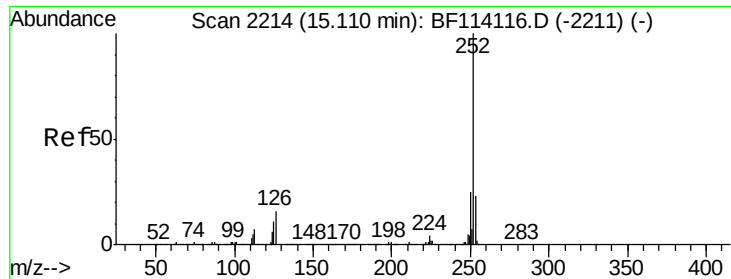
Sohil
5/13/2019 8:37:49 PM



#88
Benzo(b)fluoranthene
Concen: 54.510 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF114215.D
Acq: 13 May 2019 2:06

Tgt Ion:	252	Resp:	2074885
Ion Ratio		Lower	Upper
252	100		
253	22.3	17.8	26.8
125	12.6	8.3	12.5#





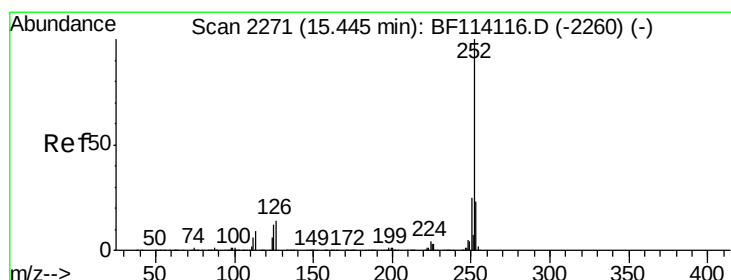
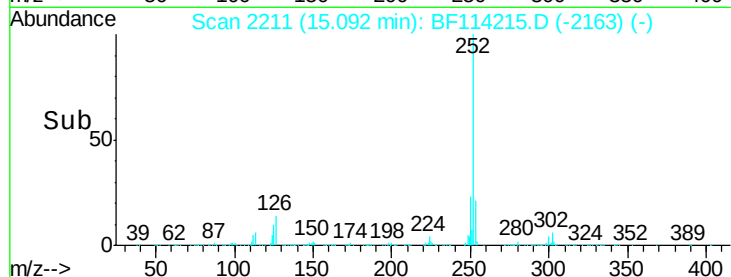
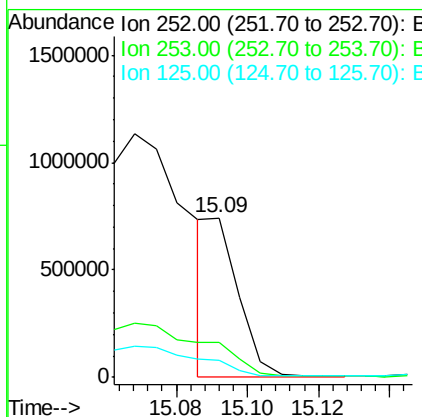
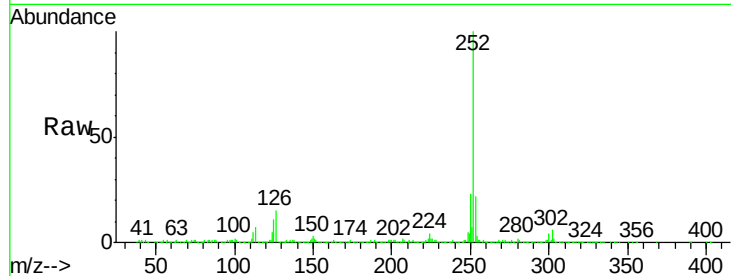
#89
Benzo(k)fluoranthene
Concen: 12.391 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF114215.D
Acq: 13 May 2019 2:06

Instrument :
BNA_F
ClientSampleId :
P026-SS005-0002-01DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.2
125	10.8	8.6	13.0

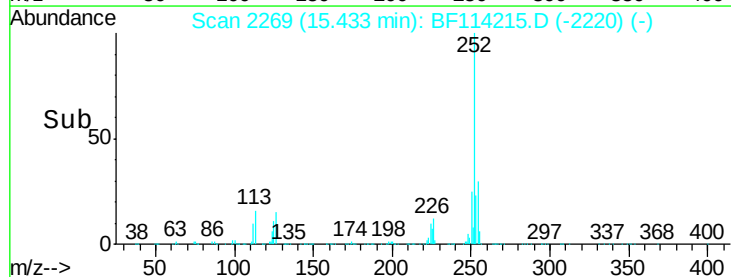
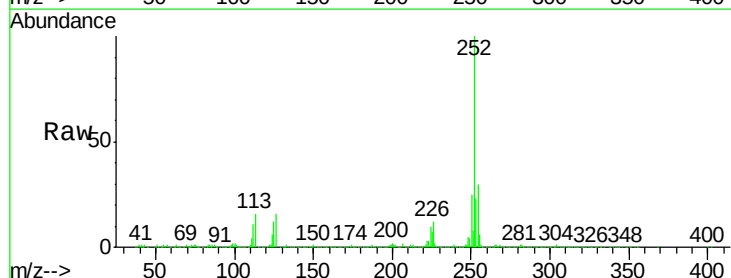
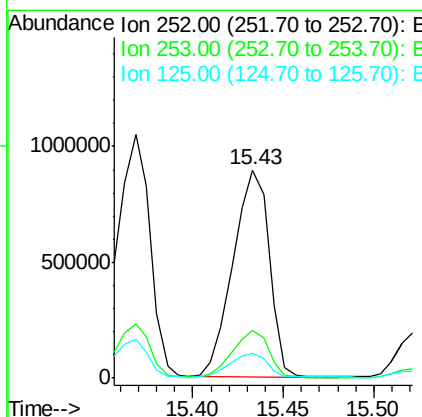
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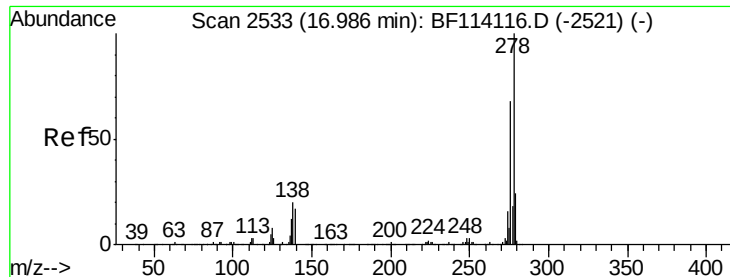
Sohil
5/13/2019 8:37:49 PM



#90
Benzo(a)pyrene
Concen: 37.199 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF114215.D
Acq: 13 May 2019 2:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	11.9	9.5	14.3





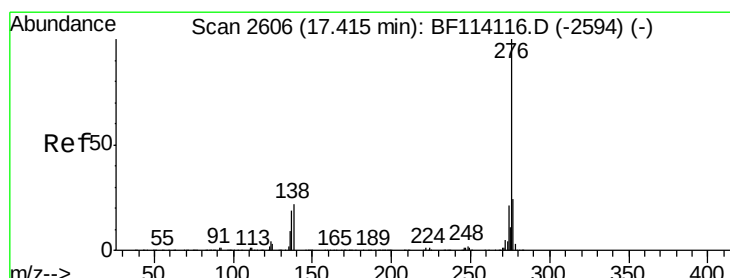
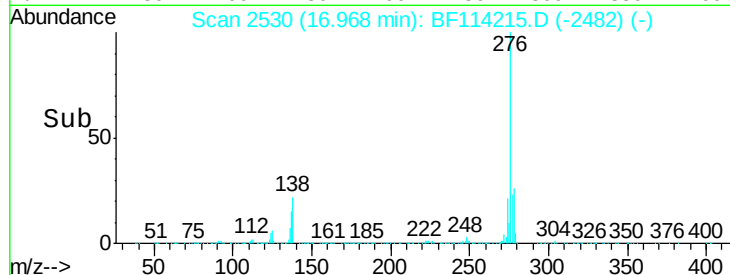
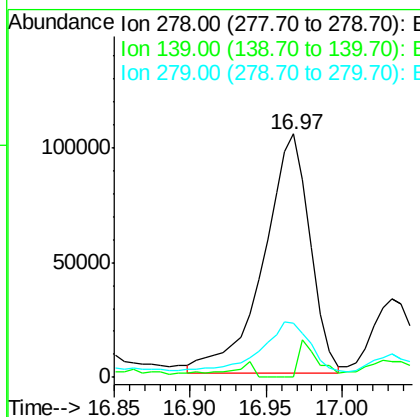
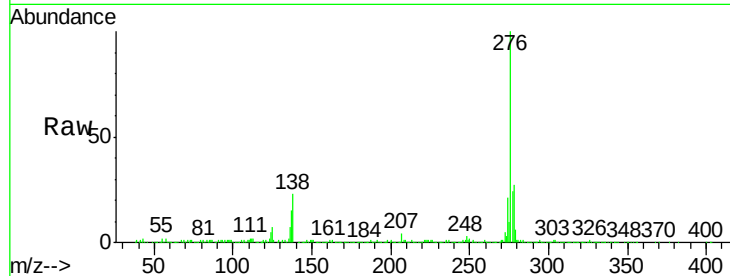
#91
Dibenzo(a,h)anthracene
Concen: 8.068 ng m
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF114215.D
Acq: 13 May 2019 2:06

Instrument :
BNA_F
ClientSampleId :
P026-SS005-0002-01DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	22.4	19.0	28.6

Manual Integrations
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Sohil
5/13/2019 8:37:49 PM



#92
Benzo(g,h,i)perylene
Concen: 32.156 ng
RT: 17.42 min Scan# 2606
Delta R.T. -0.00 min
Lab File: BF114215.D
Acq: 13 May 2019 2:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.0	28.4
138	24.6	17.8	26.6

