

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051019\
 Data File : BF114139.D
 Acq On : 10 May 2019 23:40
 Operator : JU/SJ
 Sample : K2764-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations
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 5/13/2019 8:34:27 PM

Quant Time: May 11 04:45:38 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	271294	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	898643	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	366872	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	716194	20.00	ng	0.00
76) Chrysene-d12	14.02	240	478389	20.00	ng	0.00
87) Perylene-d12	15.49	264	461030	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1889140	112.06	ng	0.00
7) Phenol-d6	6.49	99	2438684	122.31	ng	0.00
23) Nitrobenzene-d5	7.41	82	1420823	88.73	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	448853	118.34	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	2005109	82.67	ng	0.00
79) Terphenyl-d14	12.96	244	1891770	81.52	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.16	128	622555	14.831	ng	97
32) Benzoic acid	7.86	122	13270	8.299	ng	85
37) 2-Methylnaphthalene	8.85	142	187381	6.919	ng	98
38) 1-Methylnaphthalene	8.95	142	103917	4.074	ng	98
49) Acenaphthylene	9.75	152	1335345	36.808	ng	99
50) Dimethylphthalate	9.60	163	349925	12.993	ng	100
58) Fluorene	10.45	166	143653m	5.697	ng	
71) Phenanthrene	11.40	178	3370673	96.737	ng	97
72) Anthracene	11.45	178	934857	26.712	ng	97
75) Fluoranthene	12.60	202	5458930	145.485	ng	93
78) Pyrene	12.84	202	8750293m	227.374	ng	
81) Benzo(a)anthracene	14.02	228	3862377	124.827	ng	# 84
83) Chrysene	14.06	228	4096862	135.068	ng	95
86) Indeno(1,2,3-cd)pyrene	16.96	276	1761796	65.722	ng	97
88) Benzo(b)fluoranthene	15.07	252	4031030m	136.478	ng	
89) Benzo(k)fluoranthene	15.09	252	1014739m	37.400	ng	
90) Benzo(a)pyrene	15.44	252	2384937	91.749	ng	99
91) Dibenzo(a,h)anthracene	16.97	278	494711	22.903	ng	97
92) Benzo(g,h,i)perylene	17.42	276	2047635	94.594	ng	99

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

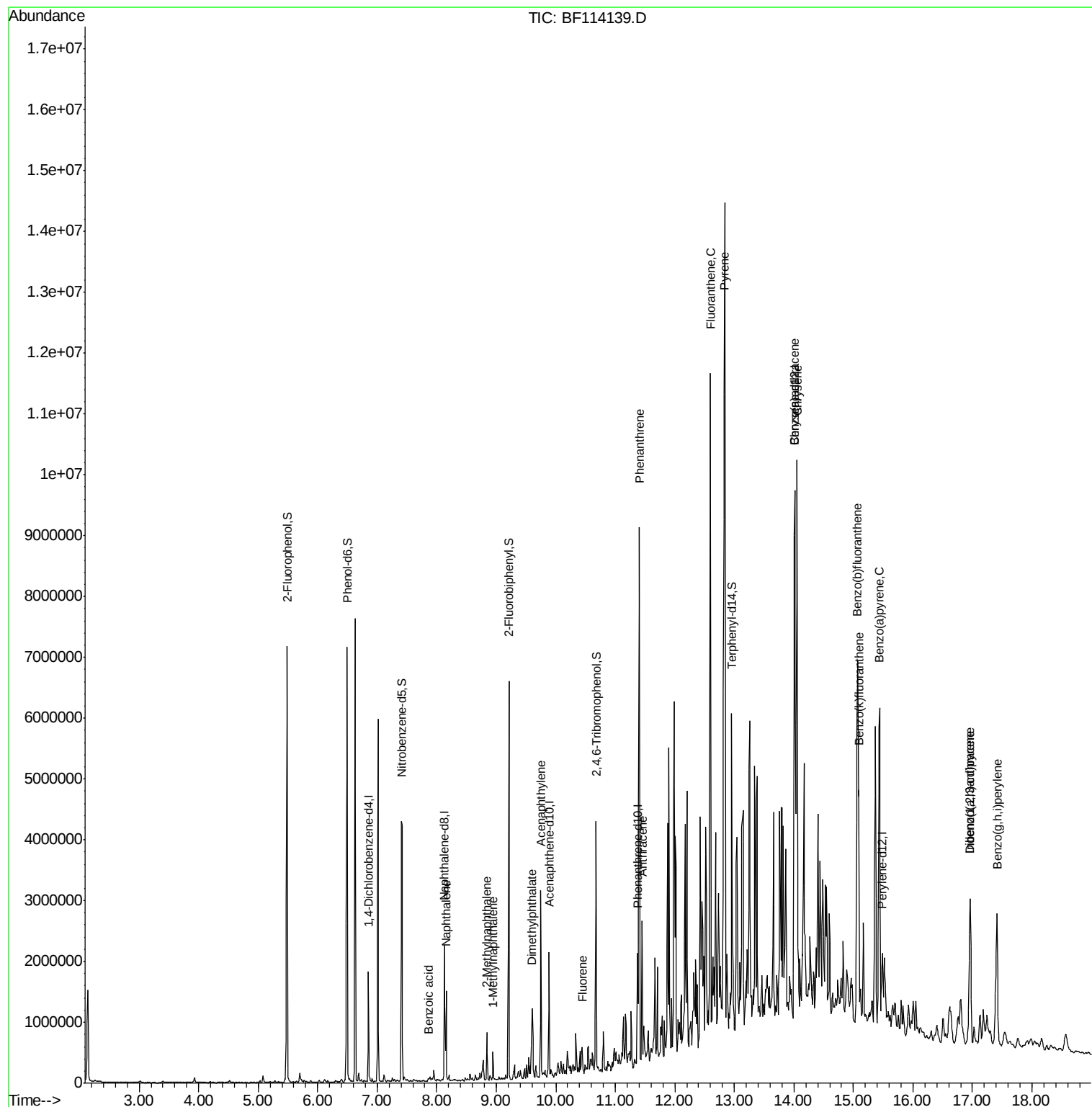
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051019\
Data File : BF114139.D
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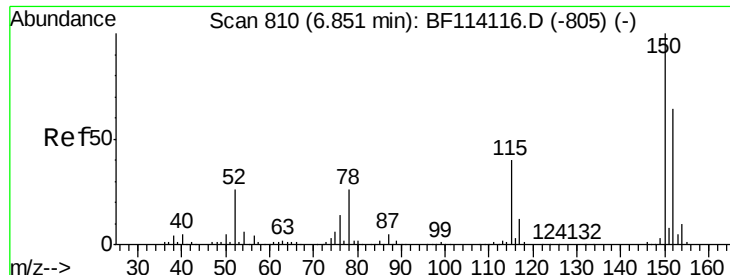
Instrument :
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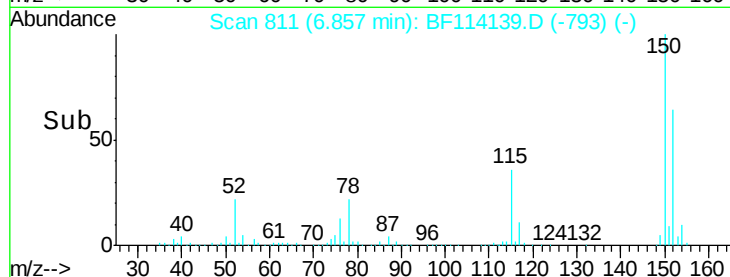
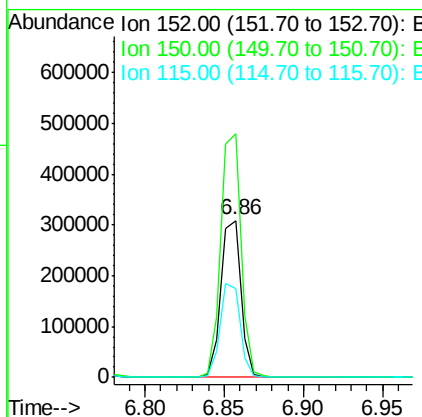
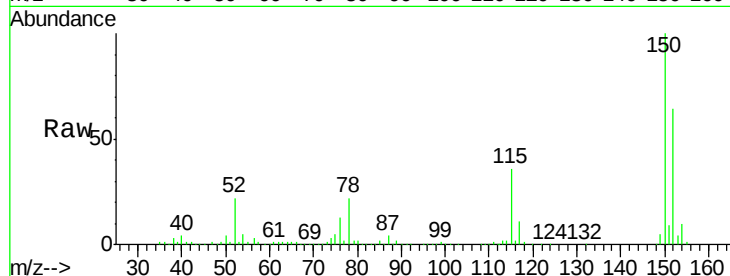
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: BF114139.D
 Acq: 10 May 2019 23:40

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

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.3	186.5
115	56.6	49.1	73.7

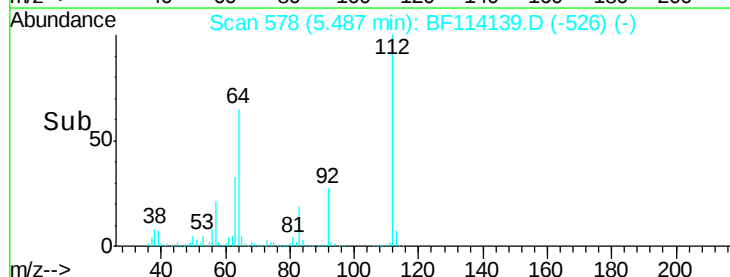
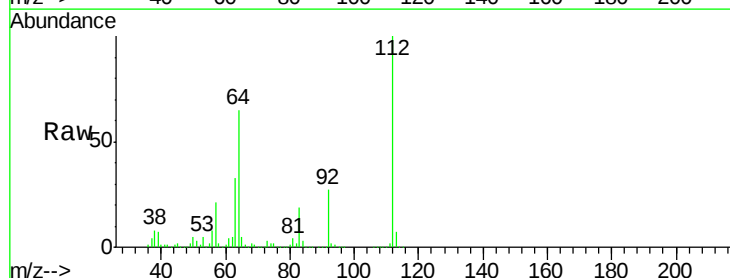
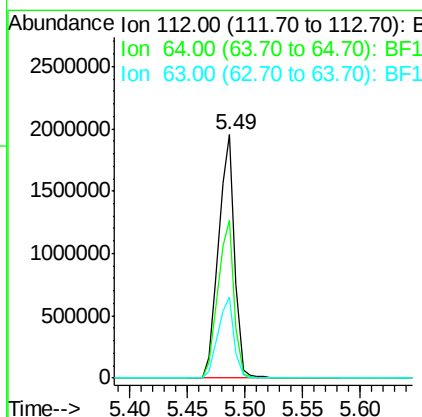
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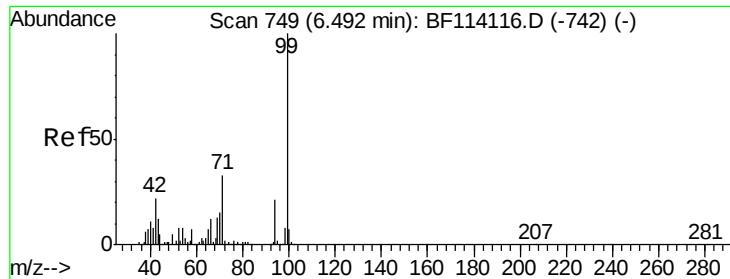
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#5
 2-Fluorophenol
 Concen: 112.060 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF114139.D
 Acq: 10 May 2019 23:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	49.0	73.6
63	33.1	24.6	37.0





#7

Phenol-d6

Concen: 122.308 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114139.D

Acq: 10 May 2019 23:40

Instrument :

BNA_F

ClientSampleId :

P026-SS001-0002-01

Tgt Ion: 99 Resp: 2438684

Ion Ratio Lower Upper

99 100

42 22.8 17.9 26.9

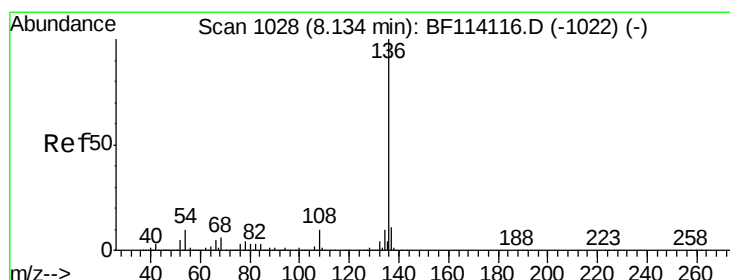
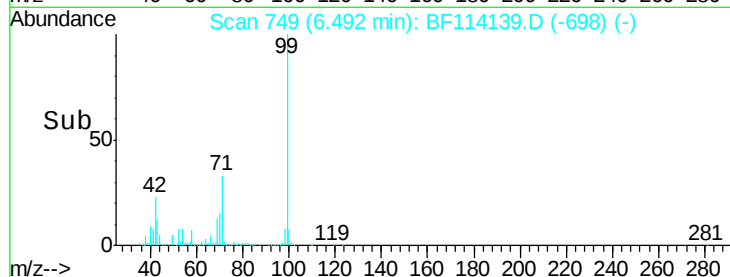
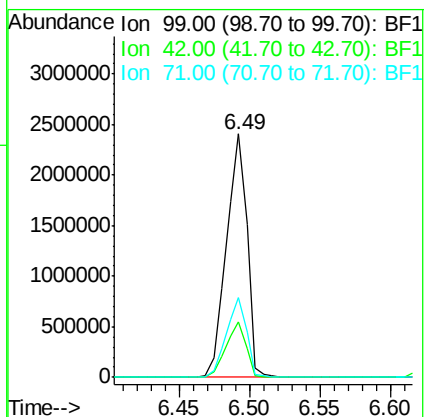
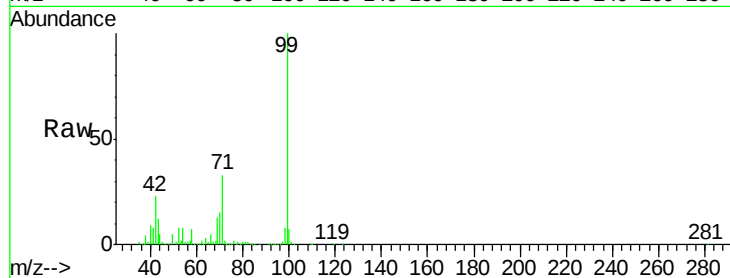
71 33.0 26.2 39.2

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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: BF114139.D

Acq: 10 May 2019 23:40

Tgt Ion: 136 Resp: 898643

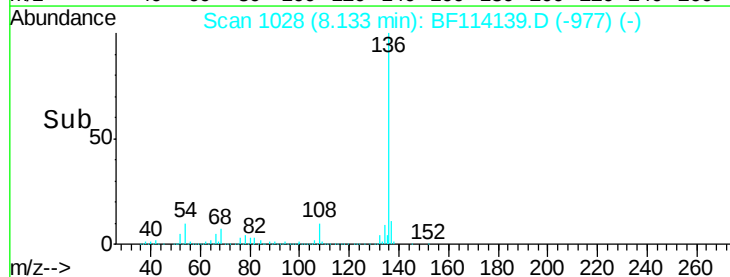
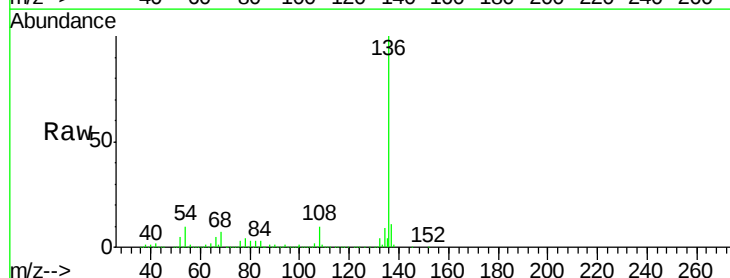
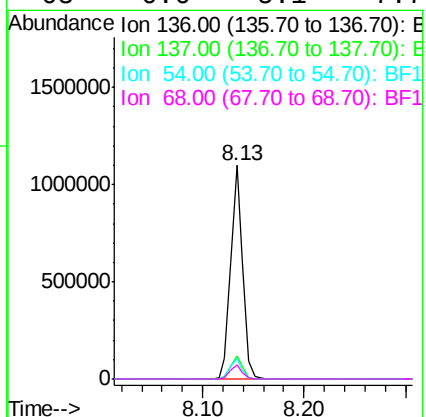
Ion Ratio Lower Upper

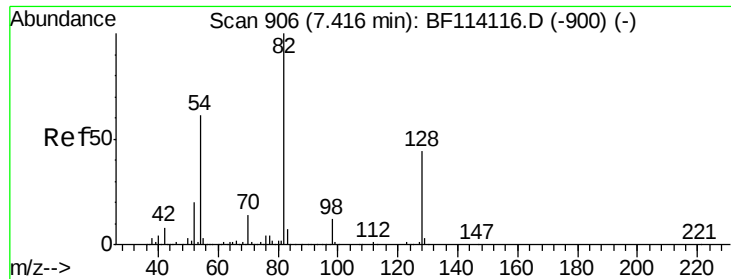
136 100

137 11.1 8.8 13.2

54 9.6 7.8 11.8

68 6.6 5.1 7.7





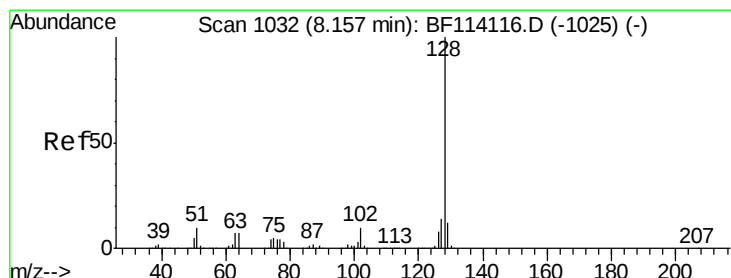
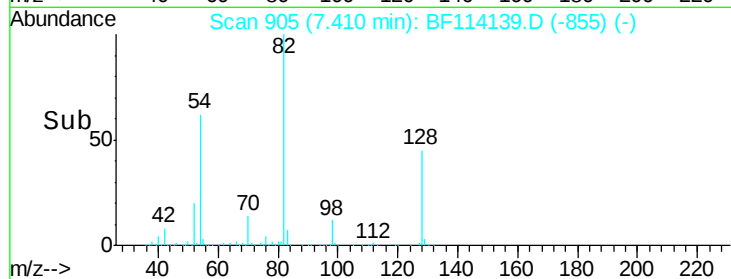
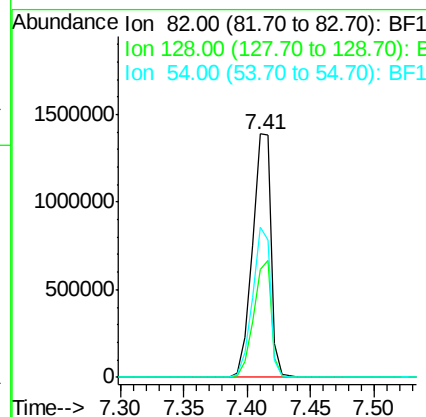
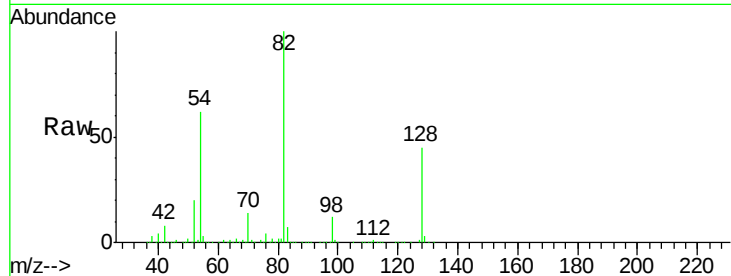
#23
 Nitrobenzene-d5
 Concen: 88.730 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF114139.D
 Acq: 10 May 2019 23:40

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

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.5	53.3
54	61.8	48.5	72.7

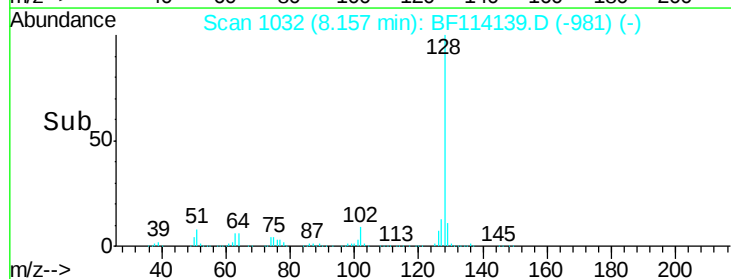
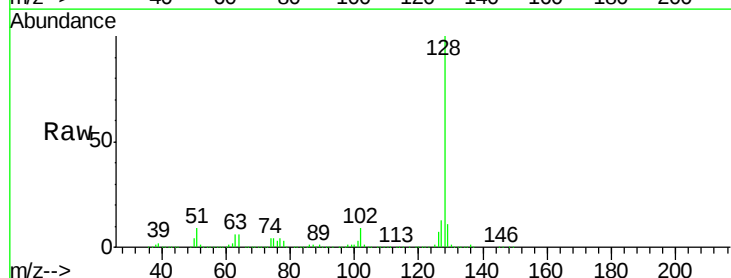
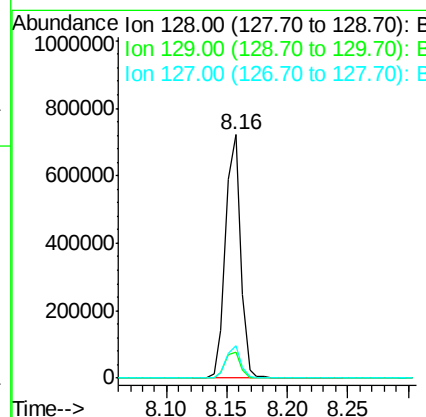
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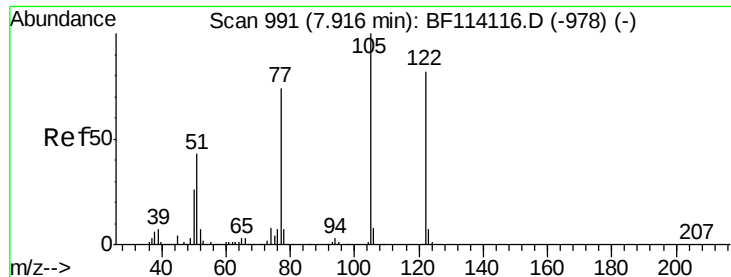
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#31
 Naphthalene
 Concen: 14.831 ng
 RT: 8.16 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BF114139.D
 Acq: 10 May 2019 23:40

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.6	14.4
127	13.1	11.3	16.9





#32

Benzoic acid

Concen: 8.299 ng

RT: 7.86 min Scan# 981

Delta R.T. -0.06 min

Lab File: BF114139.D

Acq: 10 May 2019 23:40

Instrument :

BNA_F

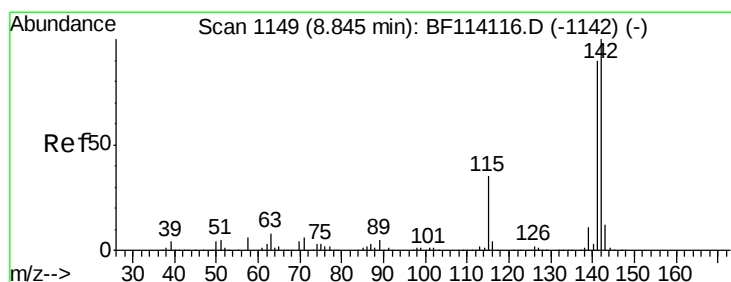
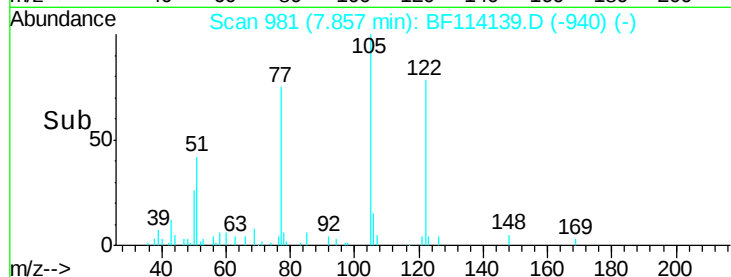
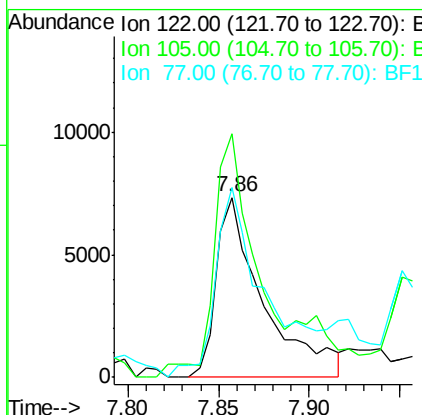
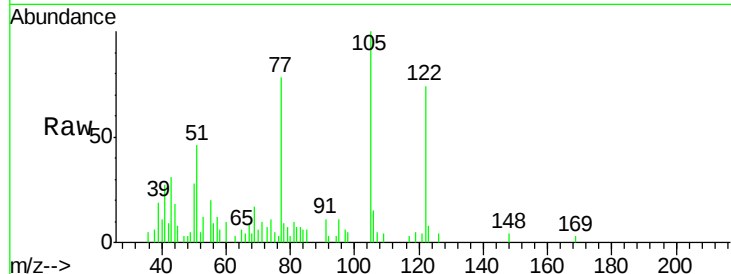
ClientSampleId :

P026-SS001-0002-01

Tgt Ion:	122	Resp:	13270
Ion Ratio	Lower	Upper	
122	100		
105	135.3	99.9	139.9
77	105.3	69.4	109.4

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#37

2-Methylnaphthalene

Concen: 6.919 ng

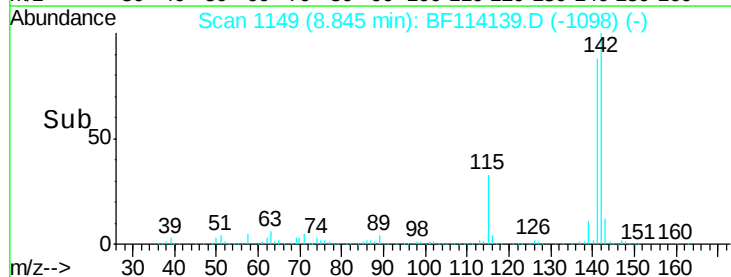
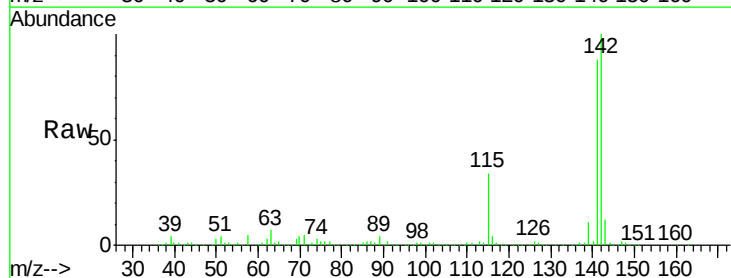
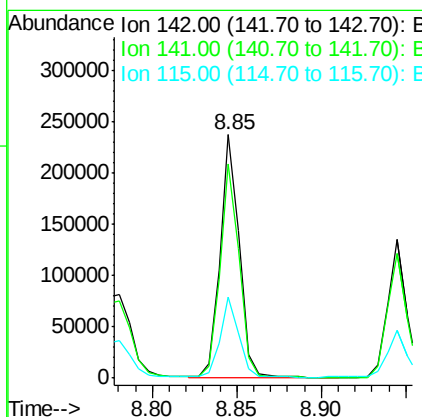
RT: 8.85 min Scan# 1149

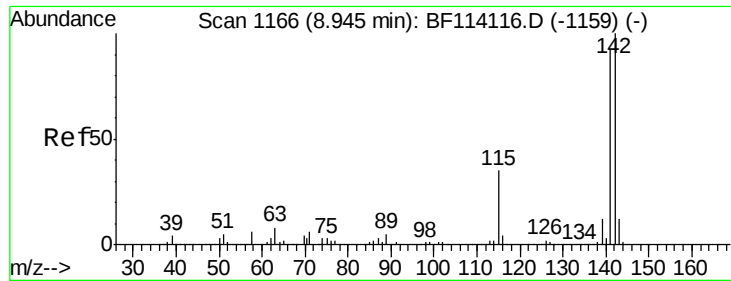
Delta R.T. -0.00 min

Lab File: BF114139.D

Acq: 10 May 2019 23:40

Tgt Ion:	142	Resp:	187381
Ion Ratio	Lower	Upper	
142	100		
141	88.2	72.1	108.1
115	33.6	28.0	42.0





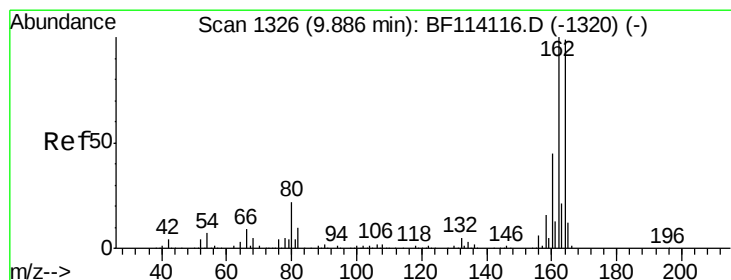
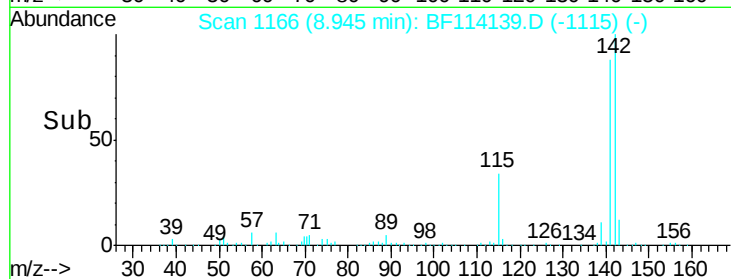
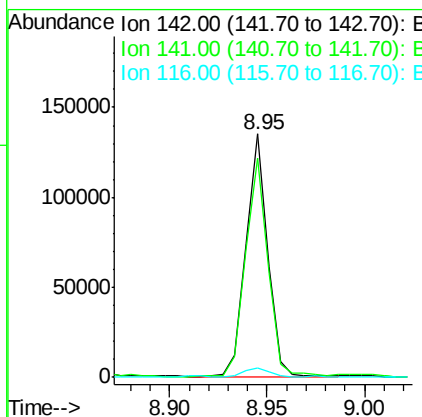
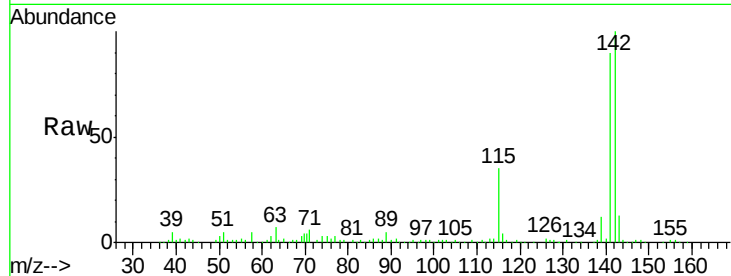
#38
1-Methylnaphthalene
Concen: 4.074 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF114139.D
Acq: 10 May 2019 23:40

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

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	103917		
141	90.1	73.4	110.0	
116	3.7	3.1	4.7	

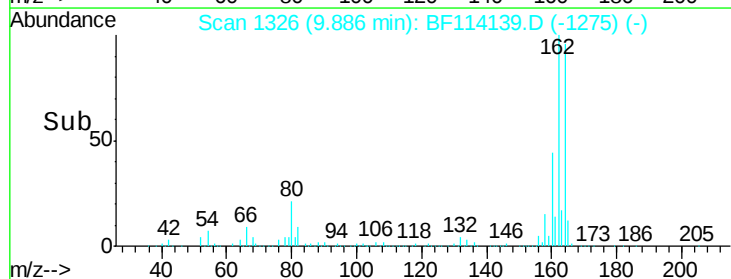
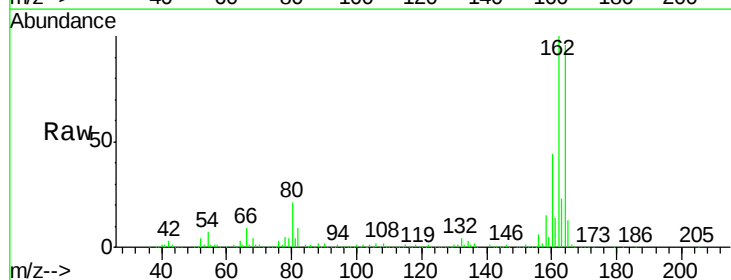
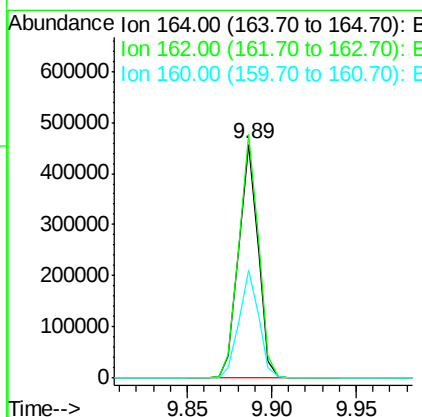
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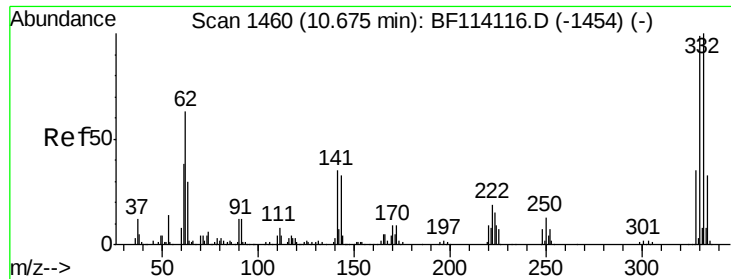
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114139.D
Acq: 10 May 2019 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	366872		
162	104.3	80.6	120.8	
160	46.2	36.5	54.7	





#42

2,4,6-Tribromophenol

Concen: 118.342 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114139.D

Acq: 10 May 2019 23:40

Instrument :

BNA_F

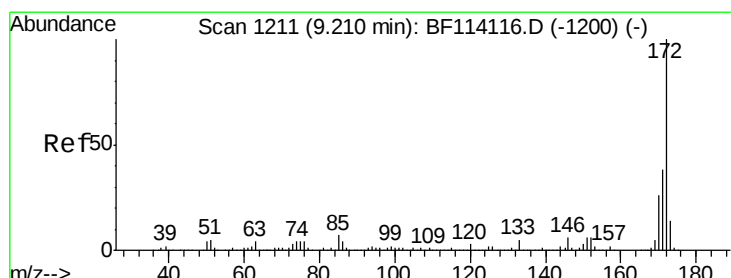
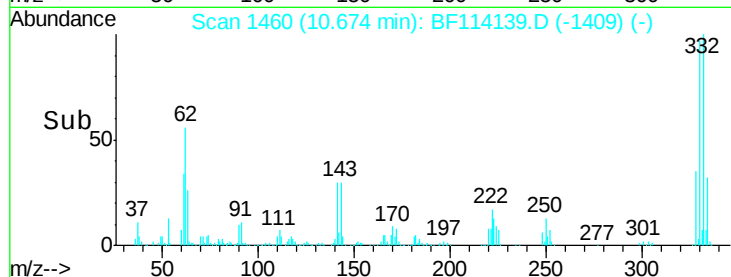
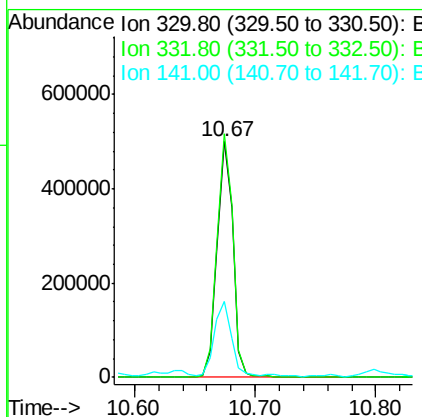
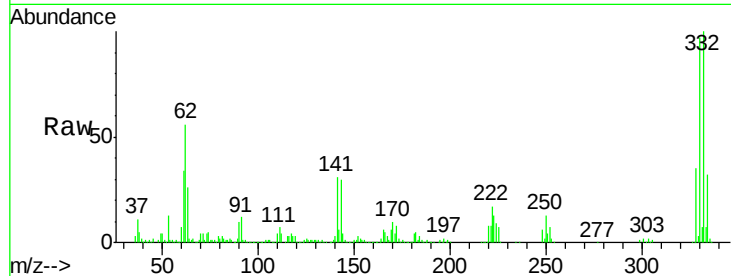
ClientSampleId :

P026-SS001-0002-01

Tgt Ion:	330	Resp:	448853
Ion Ratio	Lower	Upper	
330	100		
332	103.0	81.4	122.2
141	33.0	26.6	40.0

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#45

2-Fluorobiphenyl

Concen: 82.674 ng

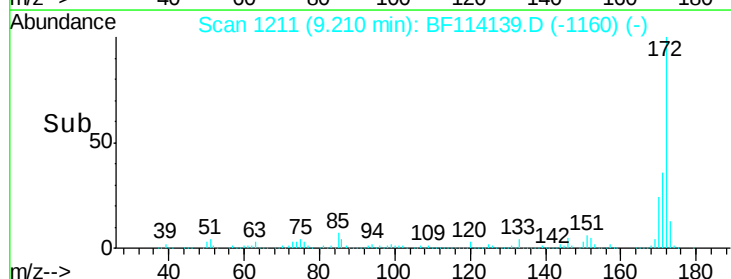
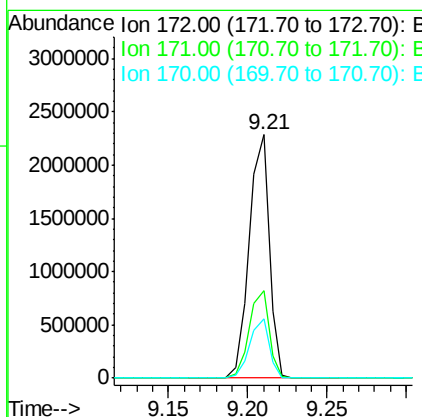
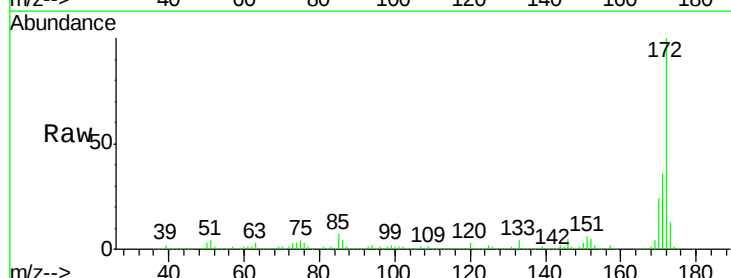
RT: 9.21 min Scan# 1211

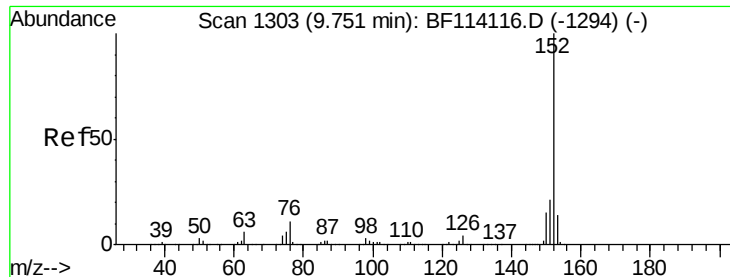
Delta R.T. -0.00 min

Lab File: BF114139.D

Acq: 10 May 2019 23:40

Tgt Ion:	172	Resp:	2005109
Ion Ratio	Lower	Upper	
172	100		
171	36.0	30.7	46.1
170	24.1	20.5	30.7





#49

Acenaphthylene

Concen: 36.808 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF114139.D

Acq: 10 May 2019 23:40

Instrument :

BNA_F

ClientSampleId :

P026-SS001-0002-01

Tgt Ion:152 Resp: 1335345

Ion Ratio Lower Upper

152 100

151 20.3 16.8 25.2

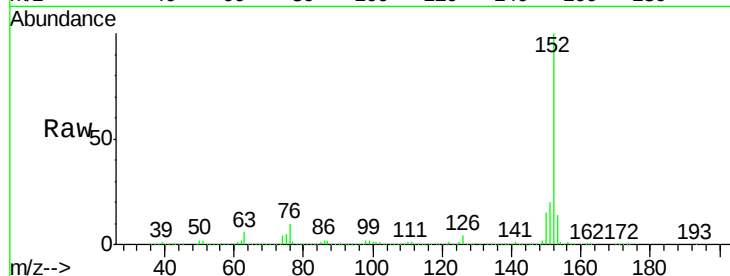
153 13.8 11.4 17.2

Manual Integrations

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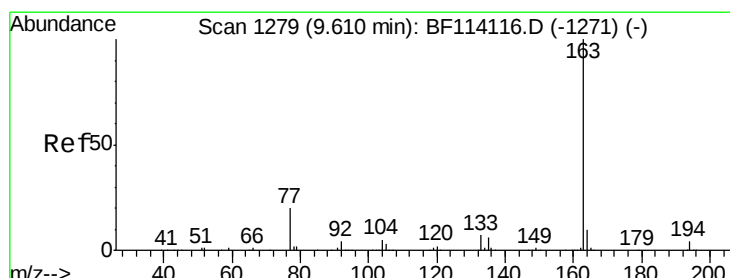
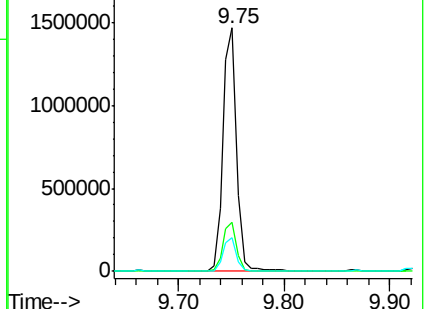
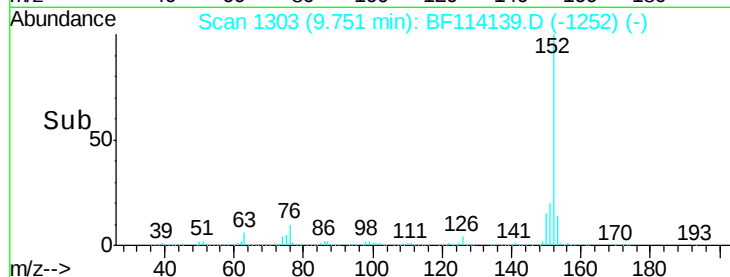
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 12.993 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF114139.D

Acq: 10 May 2019 23:40

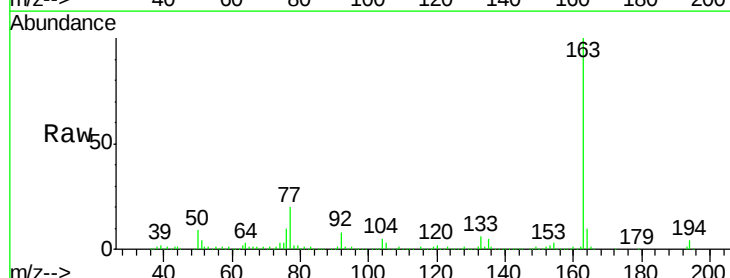
Tgt Ion:163 Resp: 349925

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

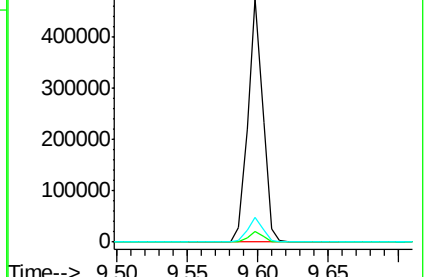
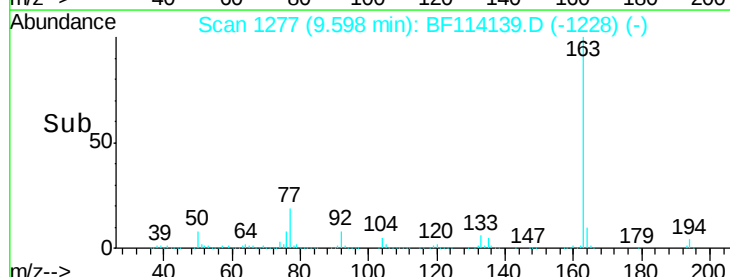
164 10.1 8.2 12.2

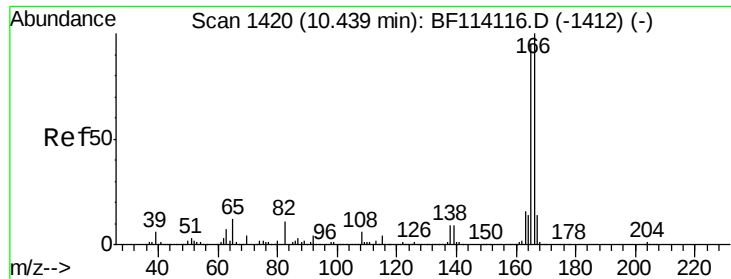


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





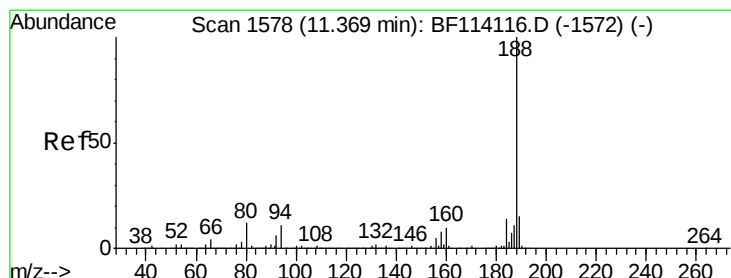
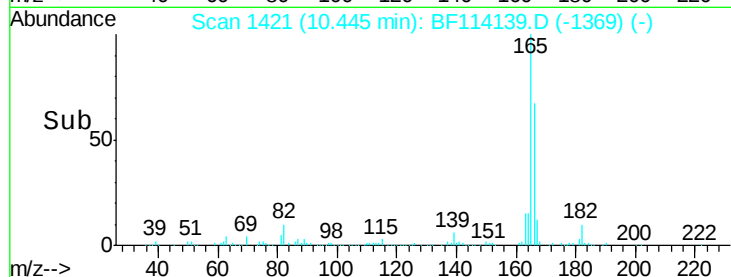
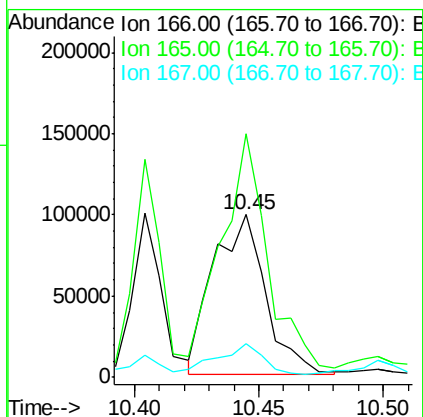
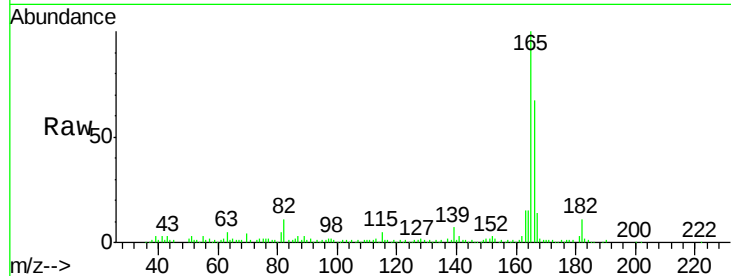
#58
 Fluorene
 Concen: 5.697 ng m
 RT: 10.45 min Scan# 1421
 Delta R.T. 0.01 min
 Lab File: BF114139.D
 Acq: 10 May 2019 23:40

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

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	143653		
165	149.5	76.1	114.1#	
167	20.6	11.1	16.7#	

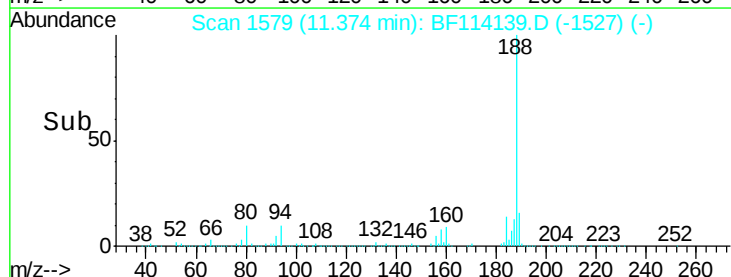
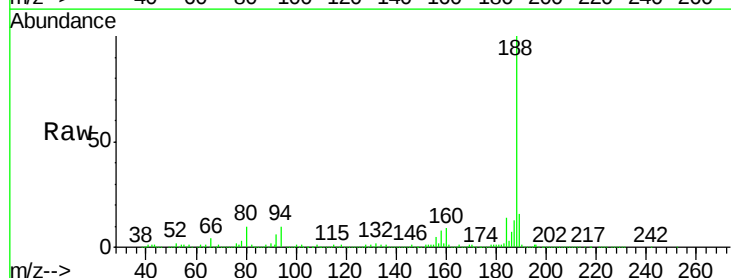
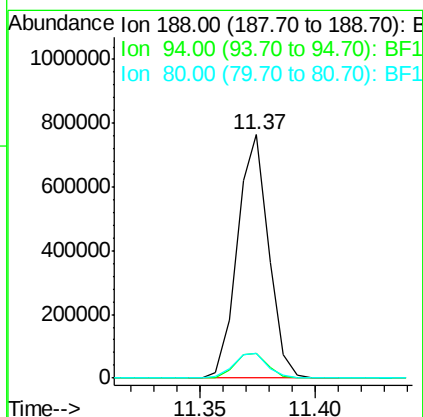
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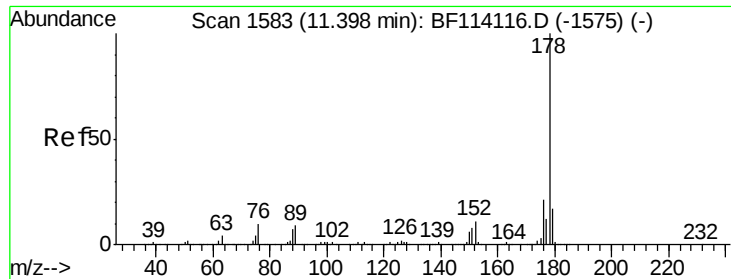
Sohil
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: BF114139.D
 Acq: 10 May 2019 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	716194		
94	10.1	8.4	12.6	
80	10.3	9.2	13.8	





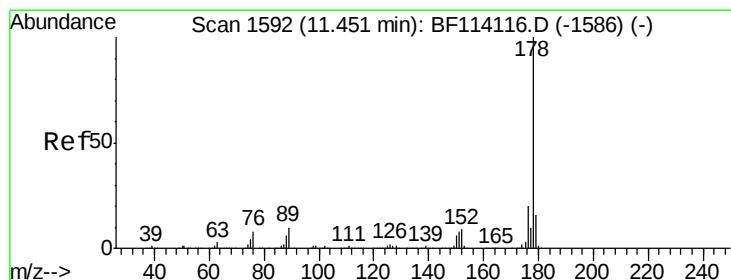
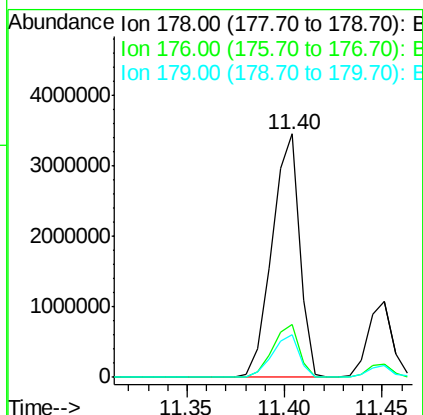
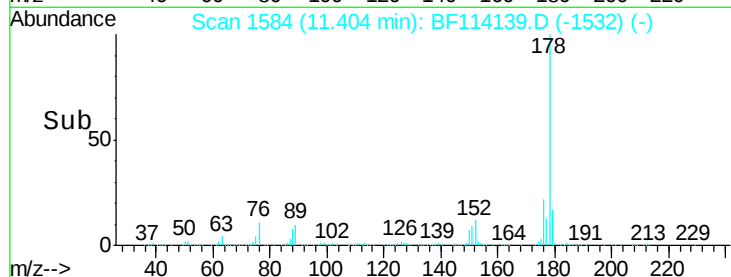
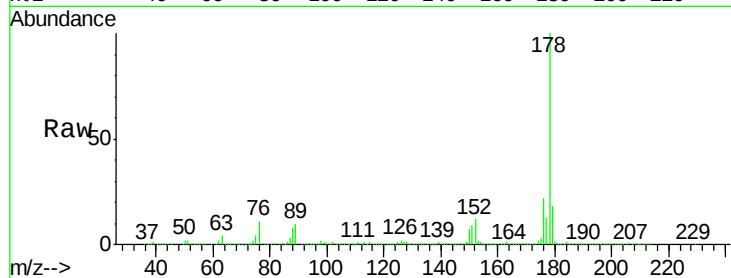
#71
Phenanthrene
Concen: 96.737 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF114139.D
Acq: 10 May 2019 23:40

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

Tgt Ion:178 Resp: 3370673
Ion Ratio Lower Upper
178 100
176 21.7 16.4 24.6
179 17.6 13.2 19.8

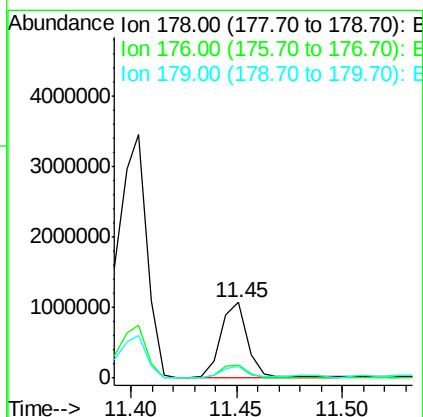
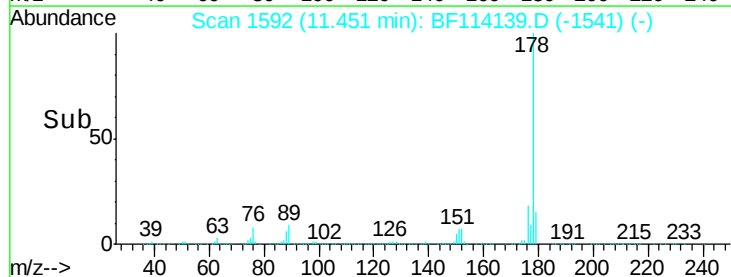
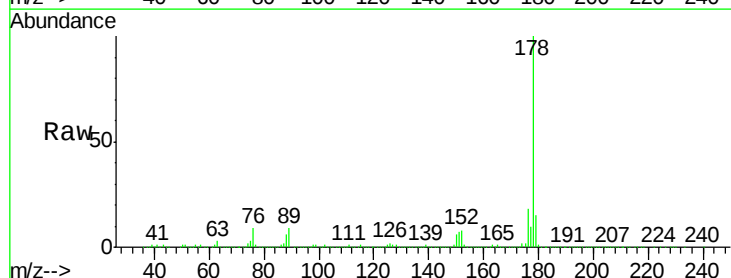
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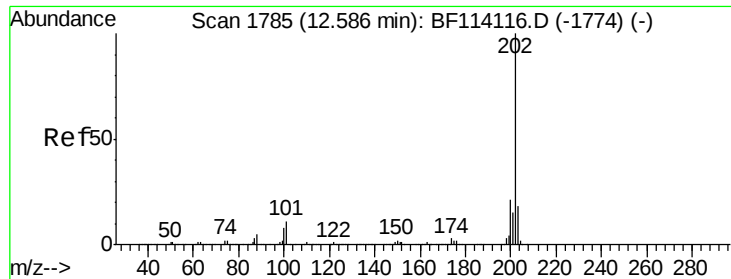
Sohil
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#72
Anthracene
Concen: 26.712 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BF114139.D
Acq: 10 May 2019 23:40

Tgt Ion:178 Resp: 934857
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.8
179 15.3 13.0 19.4





#75

Fluoranthene

Concen: 145.485 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.02 min

Lab File: BF114139.D

Acq: 10 May 2019 23:40

Instrument :

BNA_F

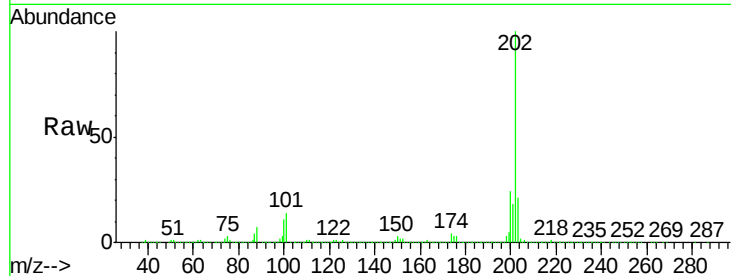
ClientSampleId :

P026-SS001-0002-01

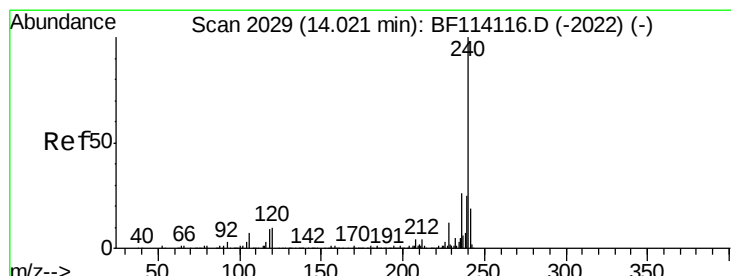
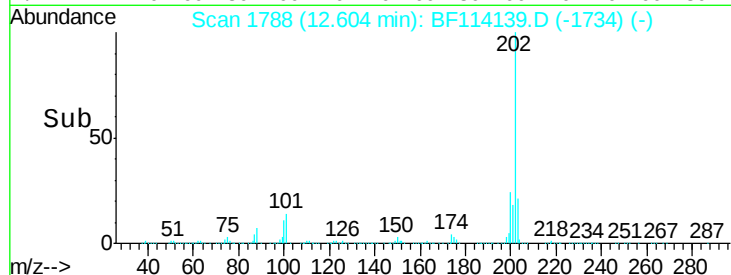
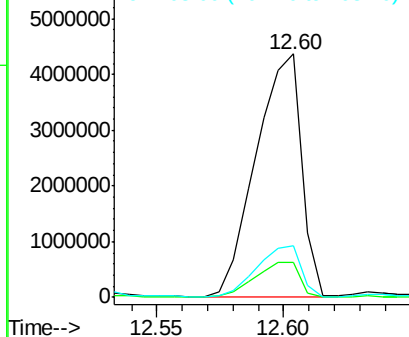
Tgt Ion:	202	Resp:	5458930
Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	31.0
203	21.3	0.0	38.4

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

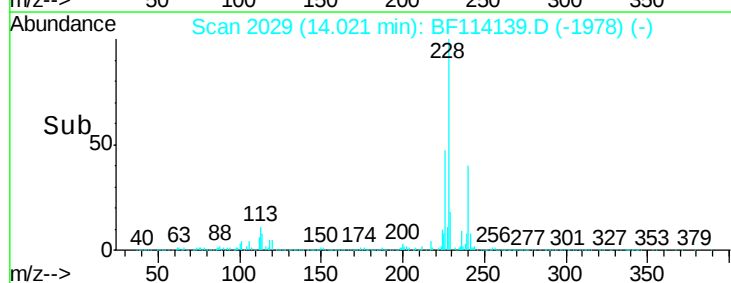
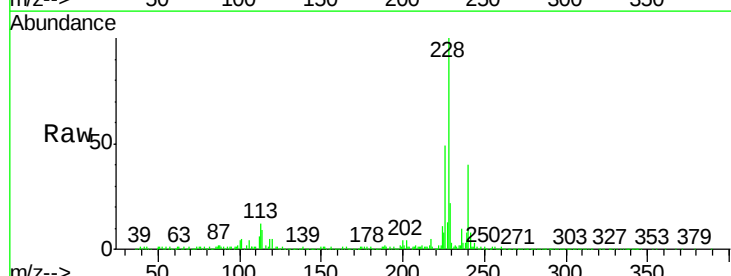
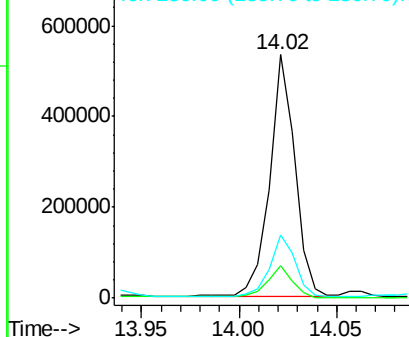
Delta R.T. -0.00 min

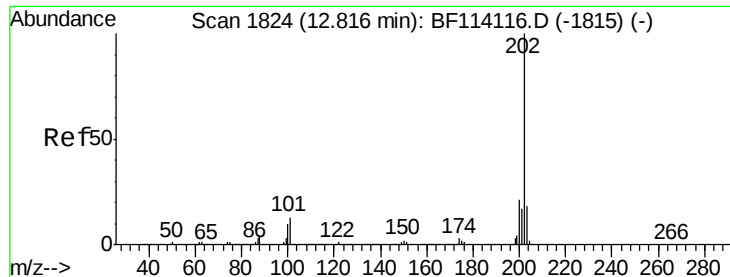
Lab File: BF114139.D

Acq: 10 May 2019 23:40

Tgt Ion:	240	Resp:	478389
Ion	Ratio	Lower	Upper
240	100		
120	13.4	8.3	12.5#
236	25.8	20.8	31.2

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





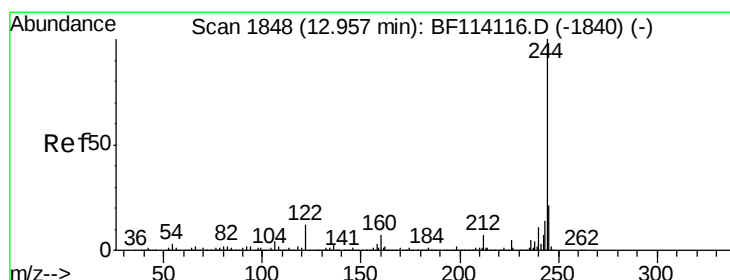
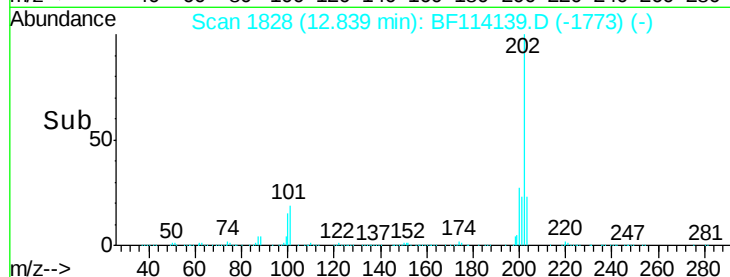
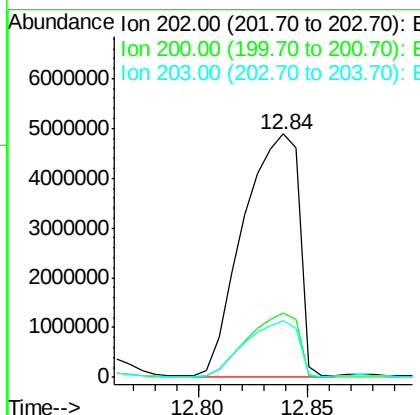
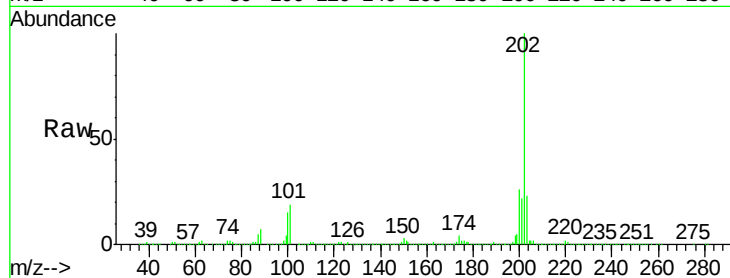
#78
 Pyrene
 Concen: 227.374 ng m
 RT: 12.84 min Scan# 1828
 Delta R.T. 0.02 min
 Lab File: BF114139.D
 Acq: 10 May 2019 23:40

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

Tgt Ion: 202 Resp: 8750293
 Ion Ratio Lower Upper
 202 100
 200 26.4 16.9 25.3#
 203 23.2 14.5 21.7#

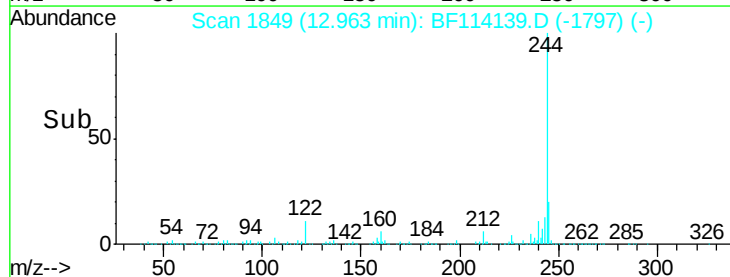
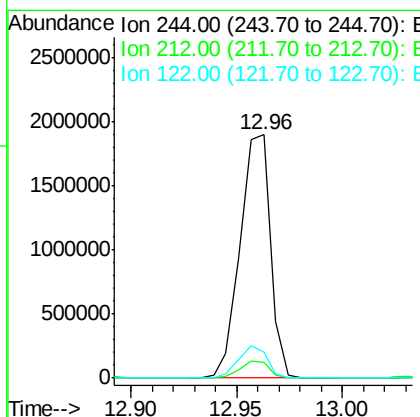
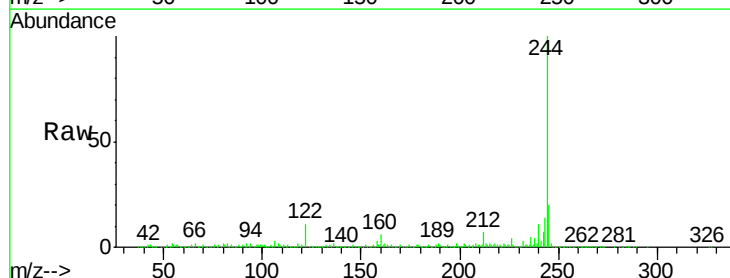
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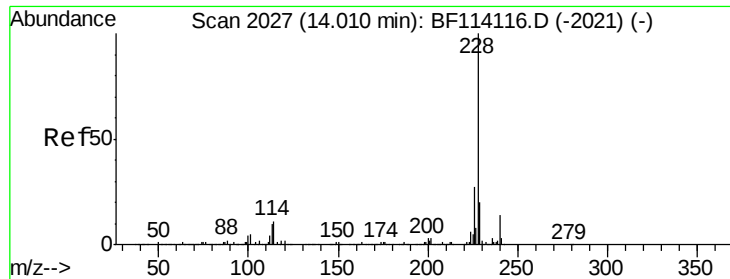
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#79
 Terphenyl-d14
 Concen: 81.519 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. 0.01 min
 Lab File: BF114139.D
 Acq: 10 May 2019 23:40

Tgt Ion: 244 Resp: 1891770
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.6
 122 10.8 9.4 14.2





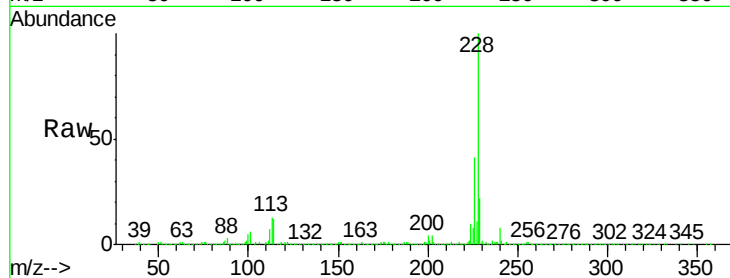
#81
Benzo(a)anthracene
Concen: 124.827 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF114139.D
Acq: 10 May 2019 23:40

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

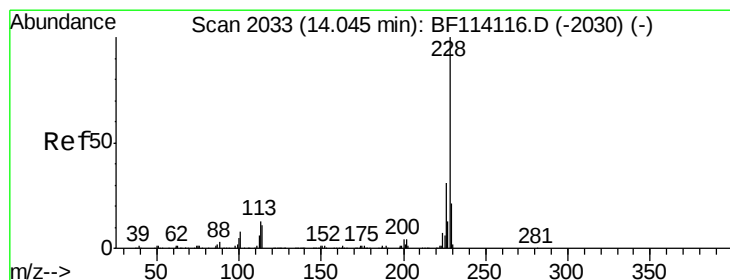
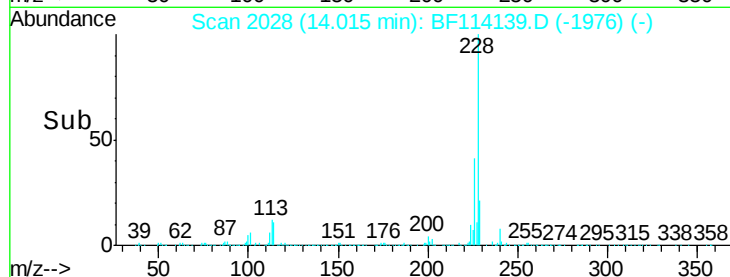
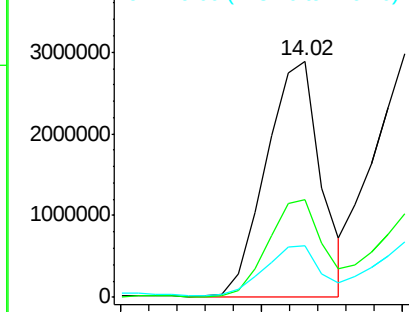
Tgt Ion:228 Resp: 3862377
Ion Ratio Lower Upper
228 100
226 41.4 22.2 33.2#
229 21.9 16.4 24.6

Manual Integrations
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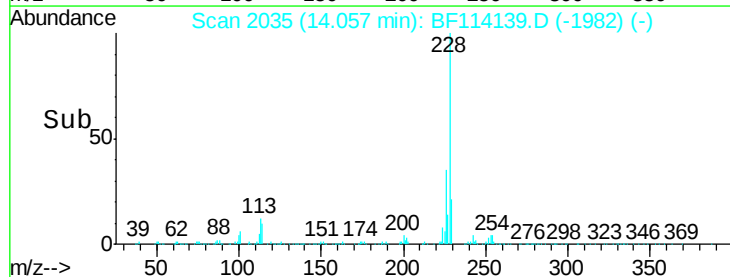
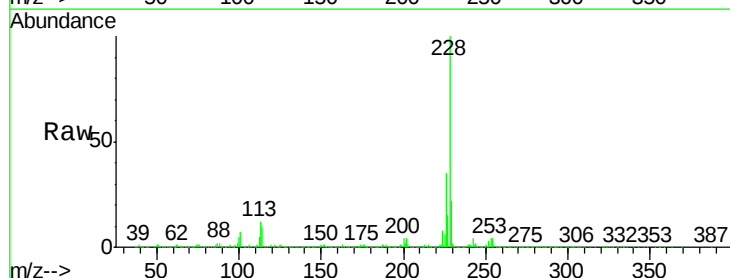
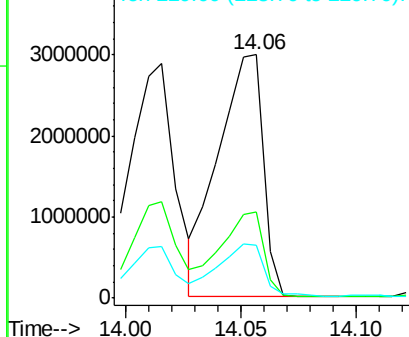
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

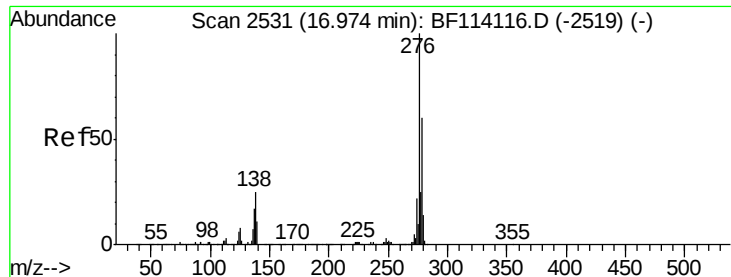


#83
Chrysene
Concen: 135.068 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF114139.D
Acq: 10 May 2019 23:40

Tgt Ion:228 Resp: 4096862
Ion Ratio Lower Upper
228 100
226 35.4 25.0 37.6
229 21.6 17.0 25.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





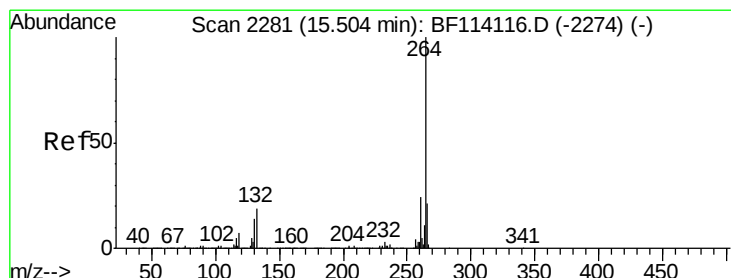
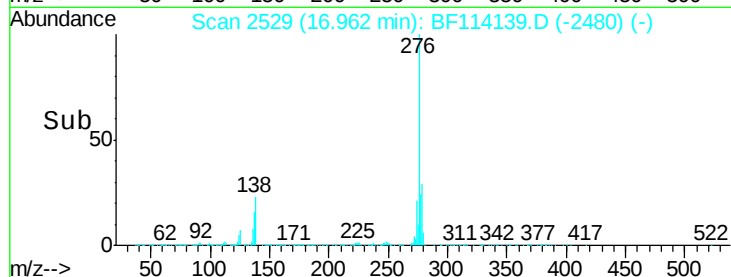
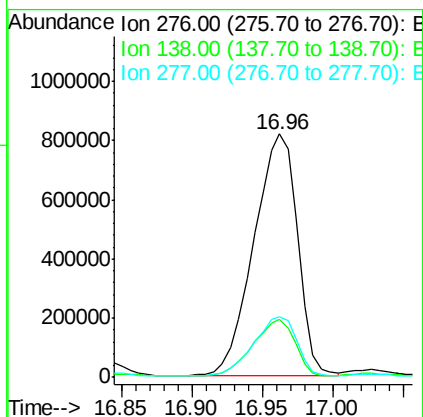
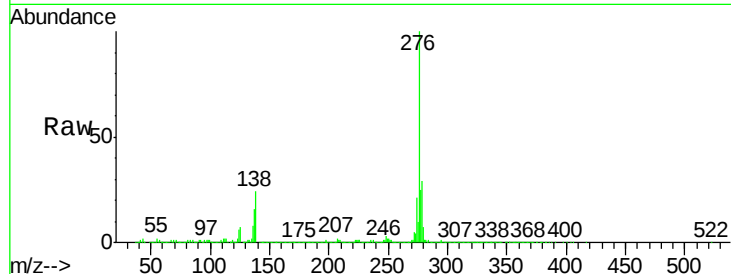
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 65.722 ng
 RT: 16.96 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BF114139.D
 Acq: 10 May 2019 23:40

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

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	20.2	30.2
277	24.6	20.0	30.0

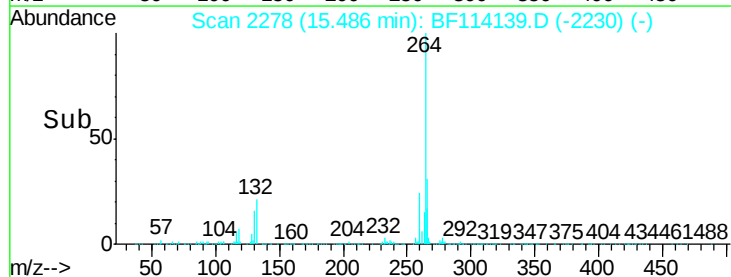
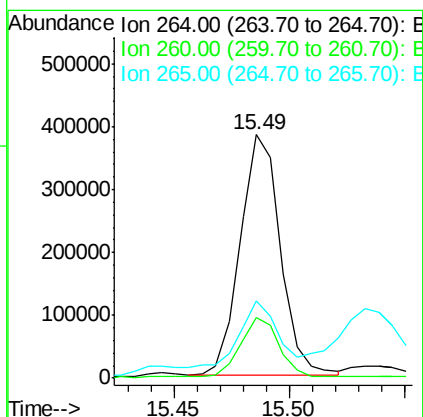
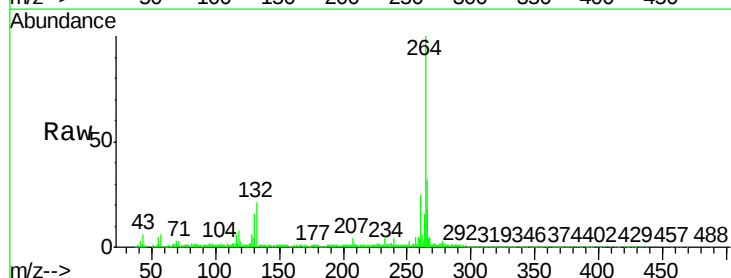
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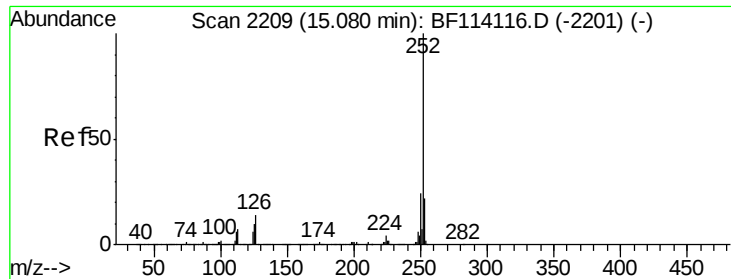
Sohil
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. -0.02 min
 Lab File: BF114139.D
 Acq: 10 May 2019 23:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.4	29.0
265	31.9	16.9	25.3#





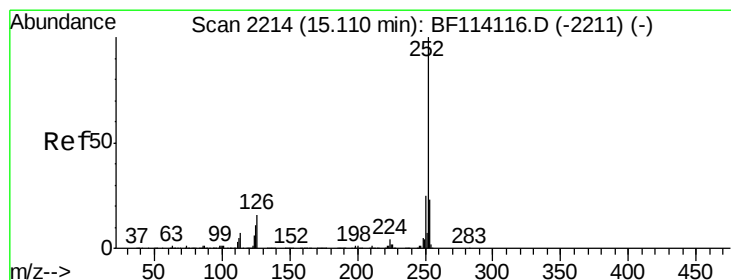
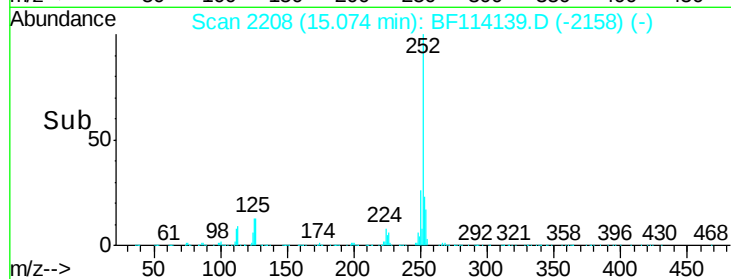
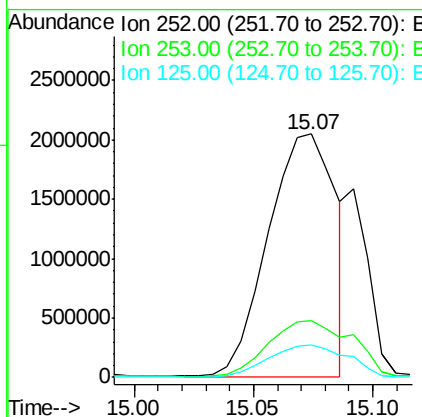
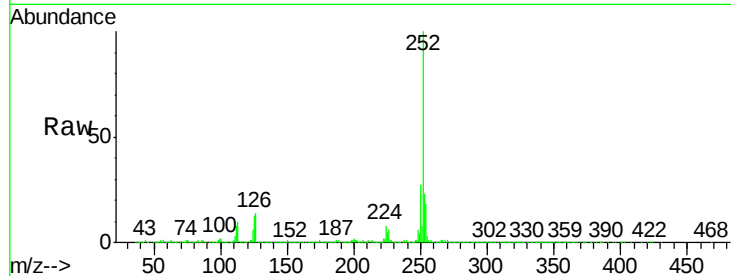
#88
Benzo(b)fluoranthene
Concen: 136.478 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF114139.D
Acq: 10 May 2019 23:40

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

Tgt Ion:252 Resp: 4031030
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 13.1 8.3 12.5#

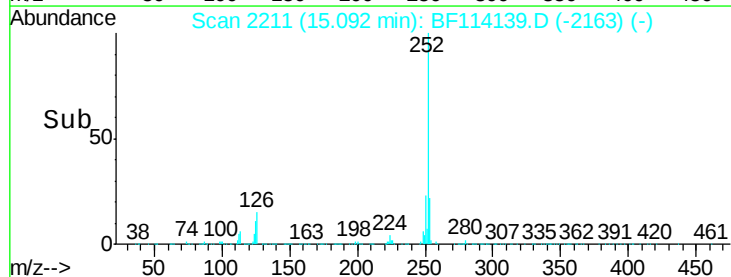
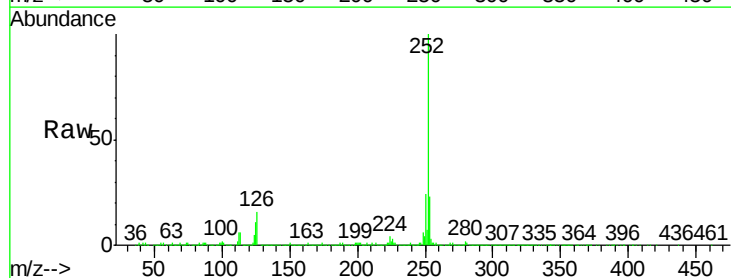
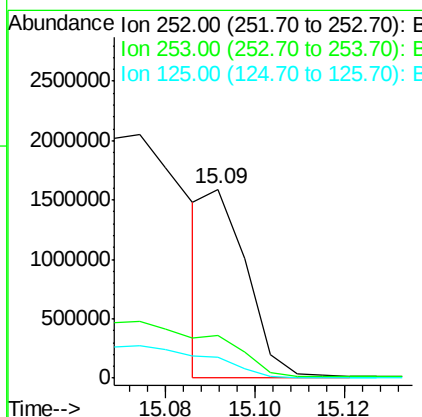
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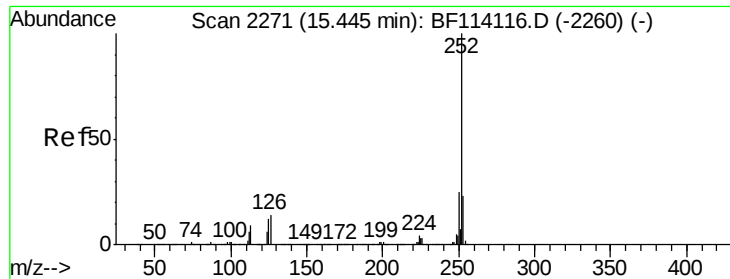
Sohil
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#89
Benzo(k)fluoranthene
Concen: 37.400 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF114139.D
Acq: 10 May 2019 23:40

Tgt Ion:252 Resp: 1014739
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.2
125 11.2 8.6 13.0





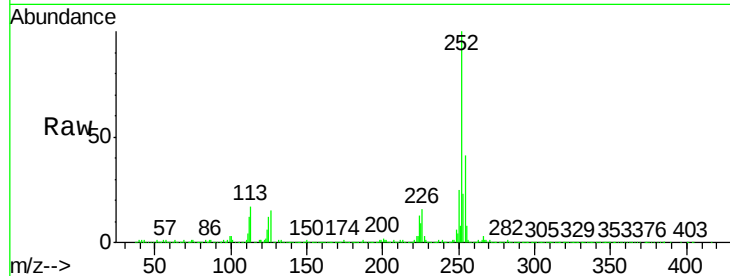
#90
Benzo(a)pyrene
Concen: 91.749 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF114139.D
Acq: 10 May 2019 23:40

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

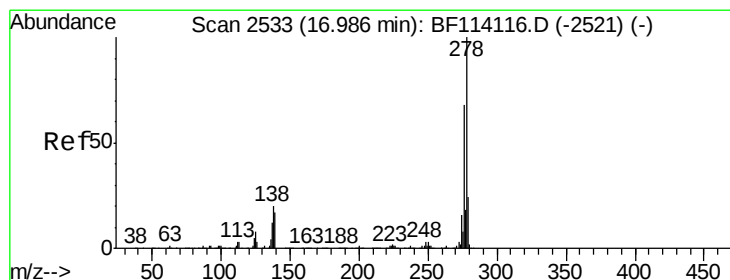
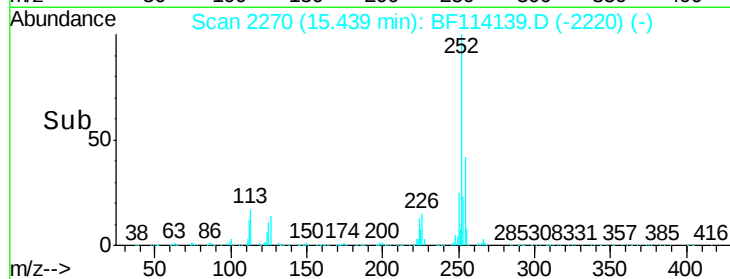
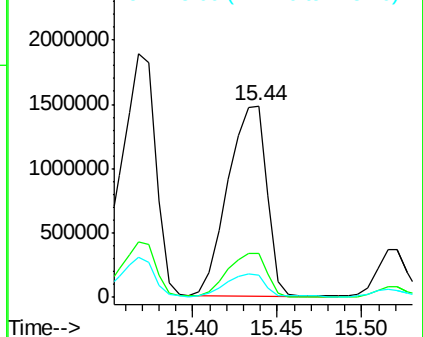
Tgt Ion: 252 Resp: 2384937
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 11.8 9.5 14.3

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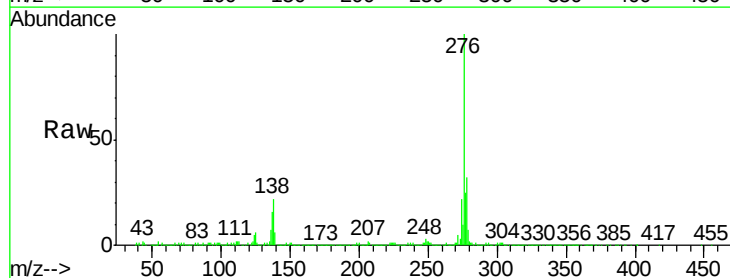


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

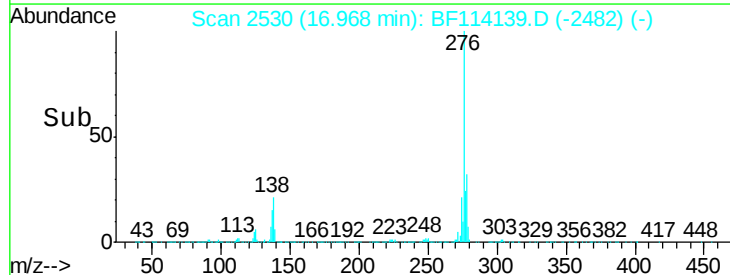
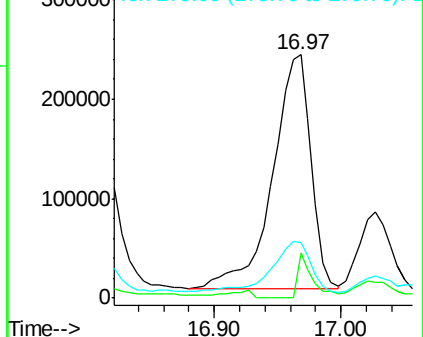


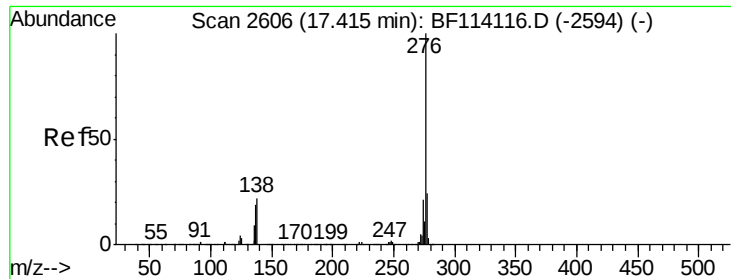
#91
Dibenzo(a,h)anthracene
Concen: 22.903 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF114139.D
Acq: 10 May 2019 23:40

Tgt Ion: 278 Resp: 494711
Ion Ratio Lower Upper
278 100
139 18.4 13.5 20.3
279 22.7 19.0 28.6



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: 94.594 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: BF114139.D
 Acq: 10 May 2019 23:40

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

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.4
138	23.0	17.8	26.6

Manual Integrations
 APPROVED

Sohil
 5/13/2019 8:34:27 PM

