

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
 Data File : BF114213.D
 Acq On : 13 May 2019 1:13
 Operator : JU/SJ
 Sample : K2764-17DL 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS002-0206-01DL

Manual Integrations
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Sohil
 5/13/2019 8:37:46 PM

Quant Time: May 13 09:15:04 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	259850	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	994391	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	457521	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	817646	20.00	ng	0.00
76) Chrysene-d12	14.02	240	554218	20.00	ng	0.00
87) Perylene-d12	15.49	264	591839	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	963229	59.65	ng	0.00
7) Phenol-d6	6.49	99	1272464	66.63	ng	0.00
23) Nitrobenzene-d5	7.41	82	759652	42.87	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	257907	54.53	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1125597	37.21	ng	0.00
79) Terphenyl-d14	12.95	244	869088	32.33	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.15	128	222428	4.789	ng	97
37) 2-Methylnaphthalene	8.85	142	80756	2.695	ng	98
49) Acenaphthylene	9.75	152	445486	9.847	ng	96
50) Dimethylphthalate	9.60	163	111140	3.309	ng	99
71) Phenanthrene	11.40	178	1730809	43.510	ng	99
72) Anthracene	11.45	178	281258	7.039	ng	95
75) Fluoranthene	12.59	202	2207264	51.527	ng	98
78) Pyrene	12.83	202	3626090	81.331	ng	97
81) Benzo(a)anthracene	14.00	228	1420724m	39.634	ng	
83) Chrysene	14.05	228	1630603	46.403	ng	99
86) Indeno(1,2,3-cd)pyrene	16.96	276	632874	20.379	ng	97
88) Benzo(b)fluoranthene	15.07	252	1634659m	43.112	ng	
89) Benzo(k)fluoranthene	15.09	252	461267m	13.243	ng	
90) Benzo(a)pyrene	15.43	252	1004474	30.101	ng	99
91) Dibenzo(a,h)anthracene	16.96	278	180145m	6.497	ng	
92) Benzo(g,h,i)perylene	17.41	276	706825	25.436	ng	99

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

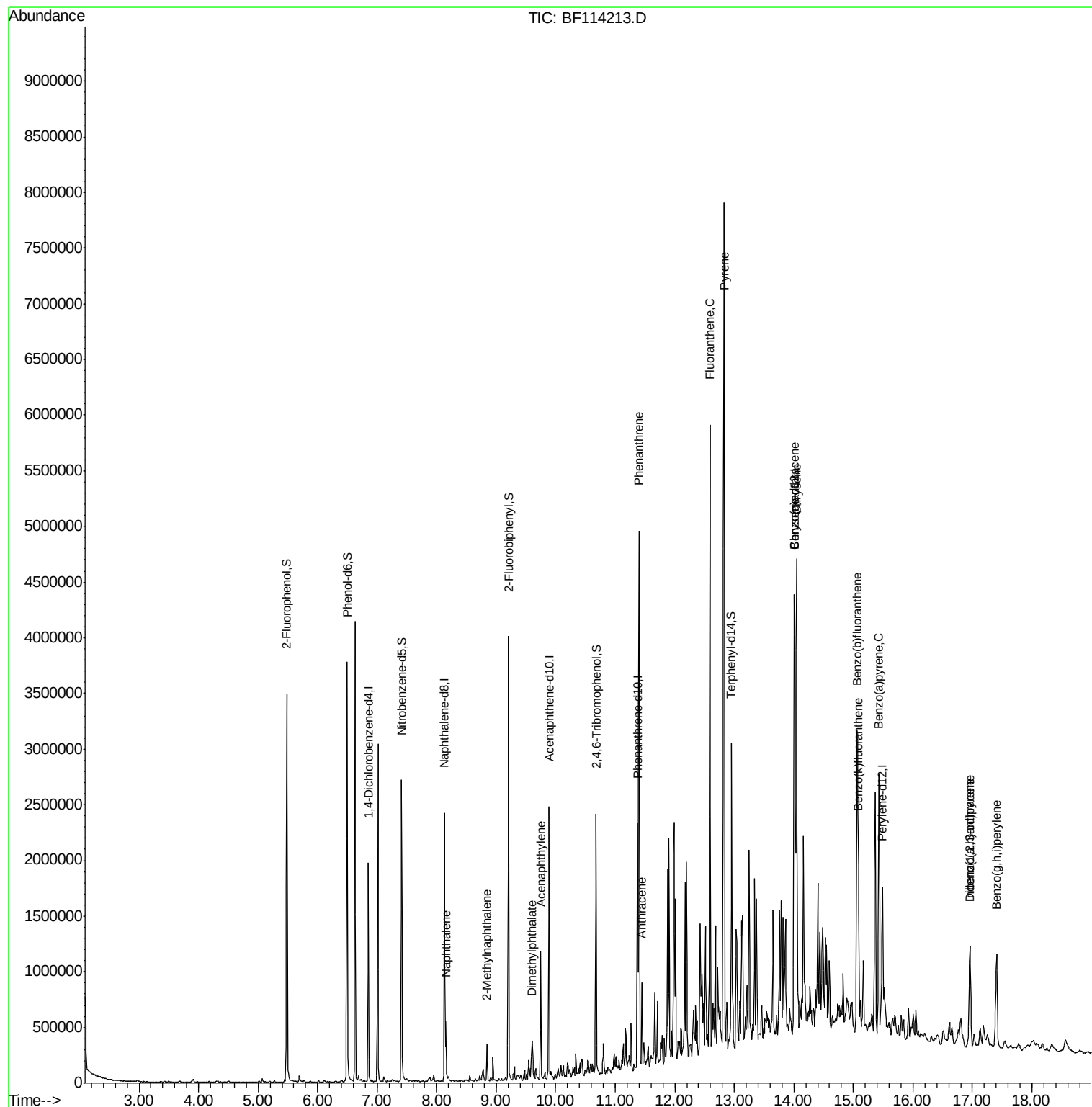
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114213.D
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Sample : K2764-17DL 2X
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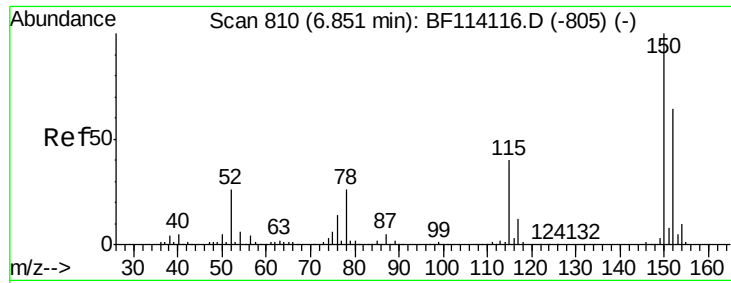
Instrument :
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ClientSampleId :
P026-SS002-0206-01DL

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Quant Time: May 13 09:15:04 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
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#1

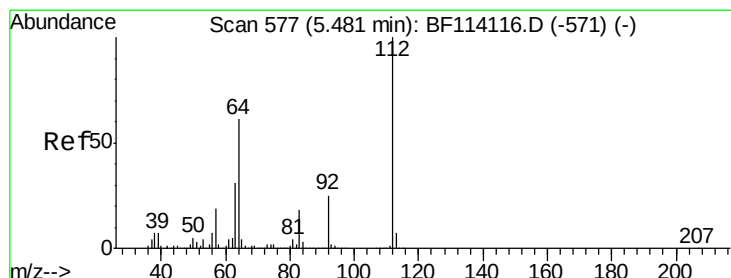
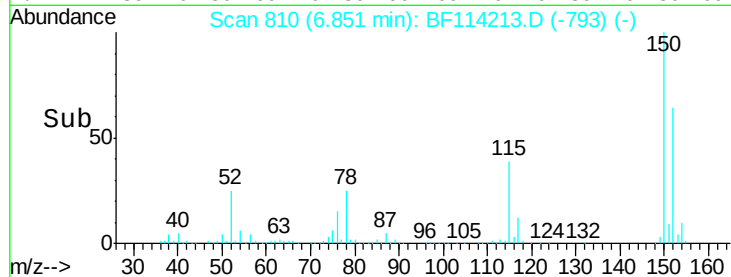
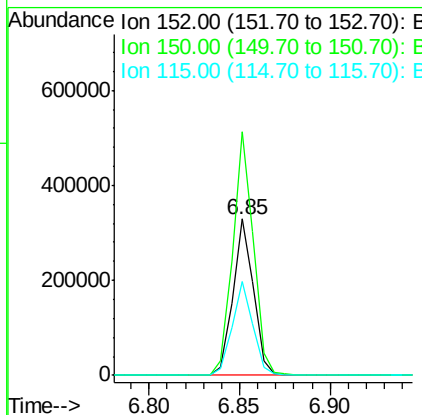
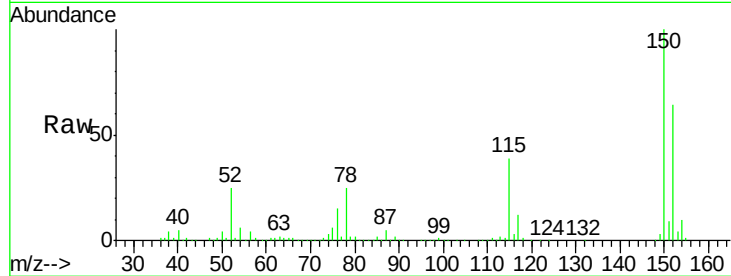
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF114213.D
Acq: 13 May 2019 1:13

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0206-01DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.3	186.5
115	60.5	49.1	73.7

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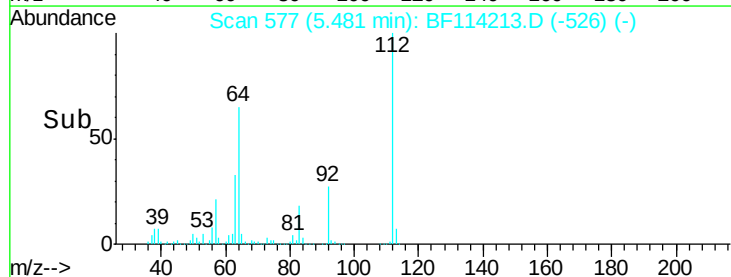
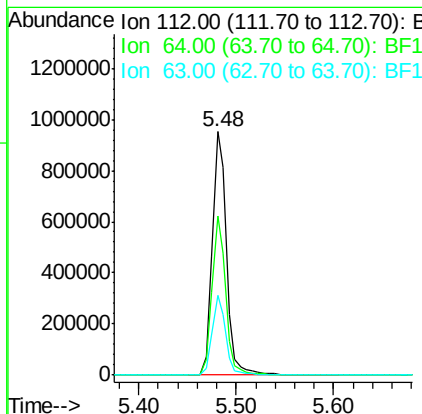
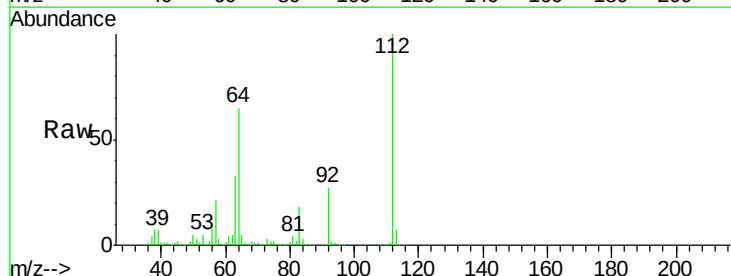
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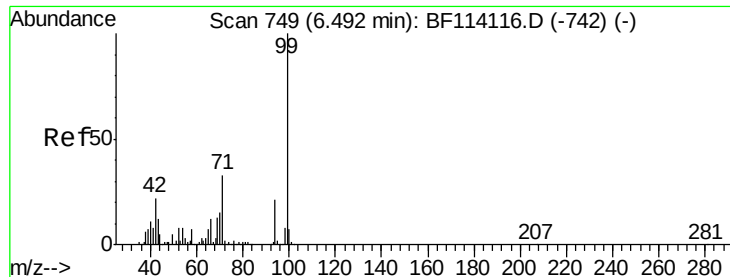


#5

2-Fluorophenol
Concen: 59.653 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF114213.D
Acq: 13 May 2019 1:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	49.0	73.6
63	32.8	24.6	37.0





#7

Phenol-d6

Concen: 66.629 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF114213.D

Acq: 13 May 2019 1:13

Instrument :

BNA_F

ClientSampleId :

P026-SS002-0206-01DL

Tot Ion: 99 Resp: 1272464

Ion Ratio Lower Upper

99 100

42 21.9 17.9 26.9

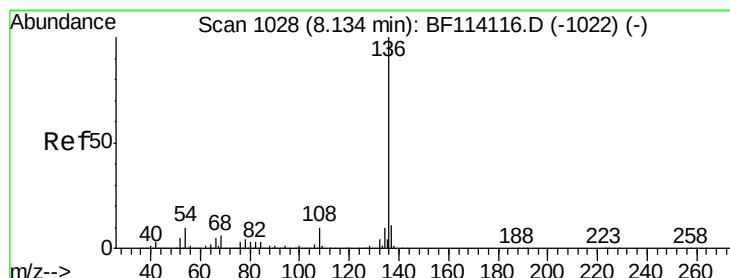
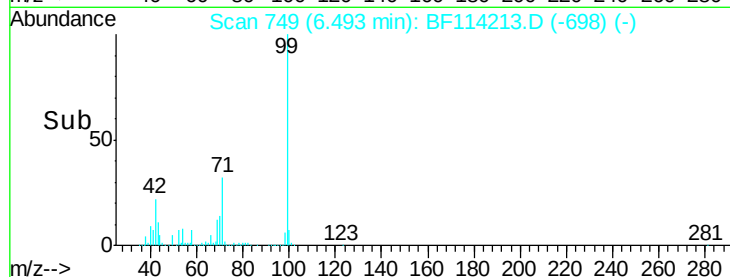
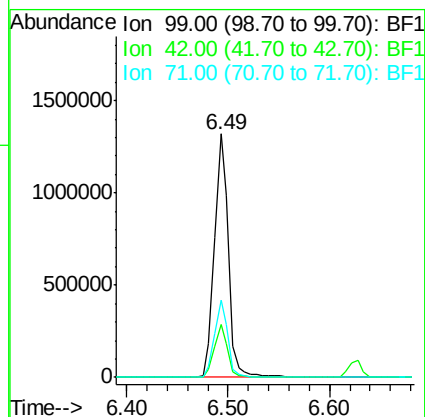
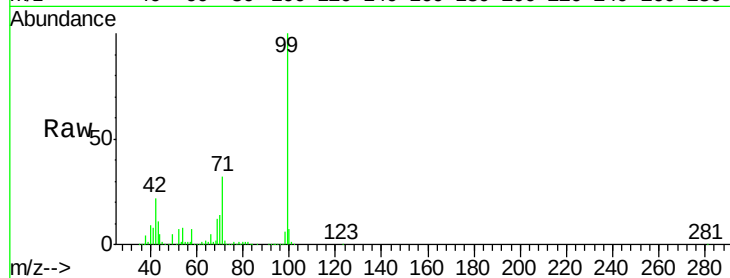
71 31.9 26.2 39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF114213.D

Acq: 13 May 2019 1:13

Tgt Ion: 136 Resp: 994391

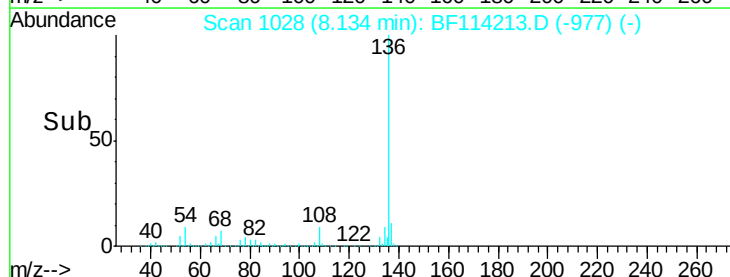
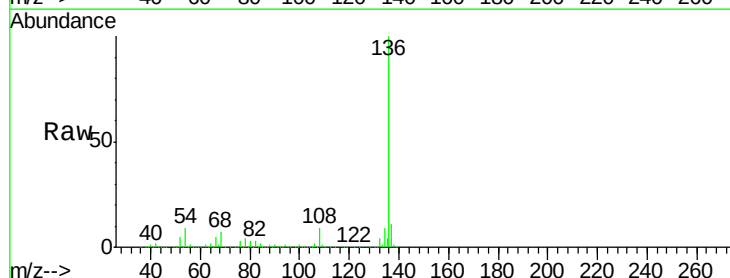
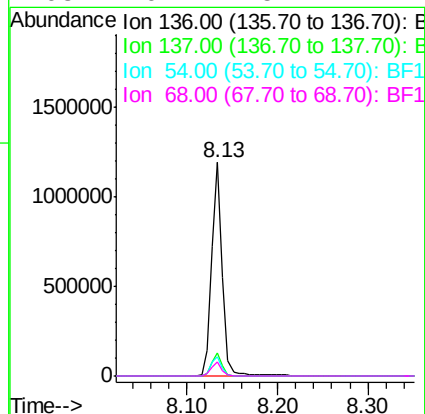
Ion Ratio Lower Upper

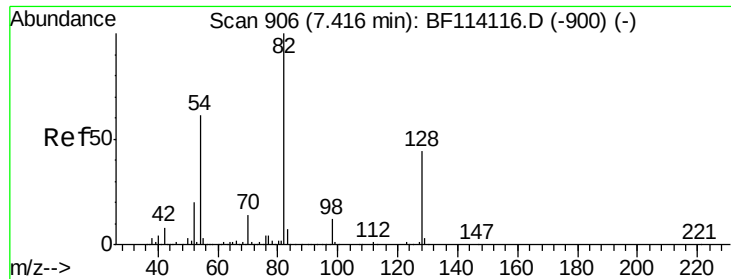
136 100

137 11.0 8.8 13.2

54 9.3 7.8 11.8

68 6.7 5.1 7.7





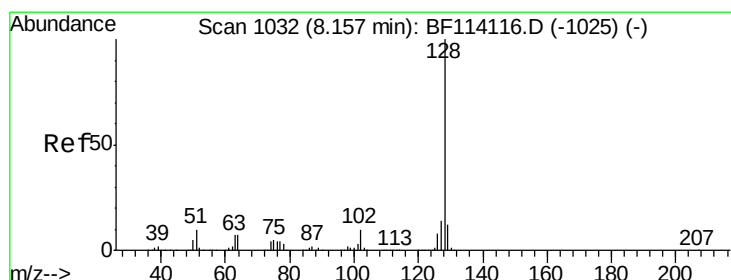
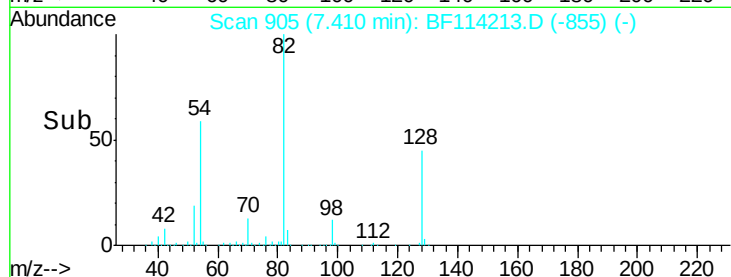
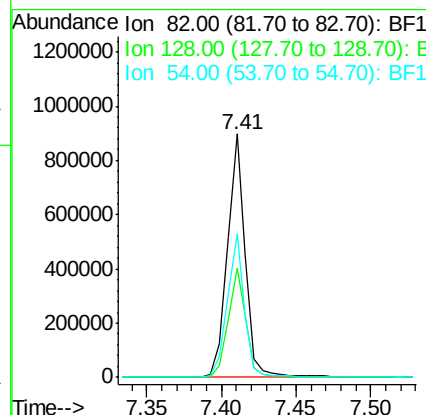
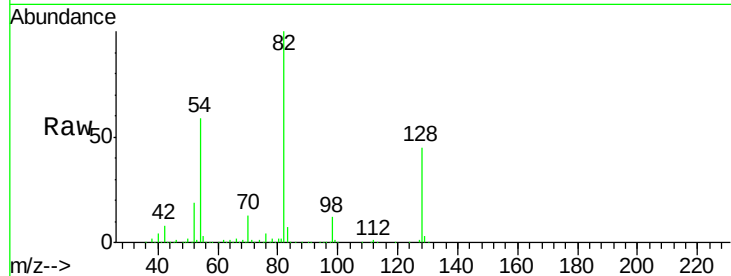
#23
Nitrobenzene-d5
Concen: 42.872 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114213.D
Acq: 13 May 2019 1:13

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0206-01DL

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	44.7	35.5	53.3
54	58.9	48.5	72.7

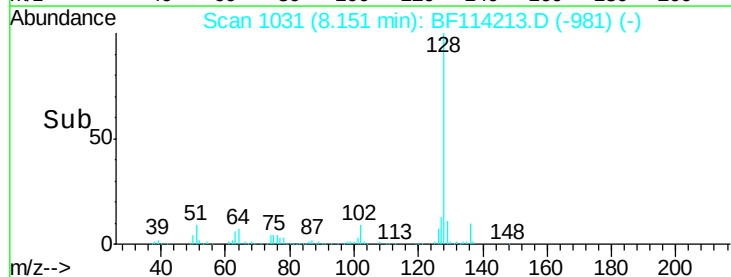
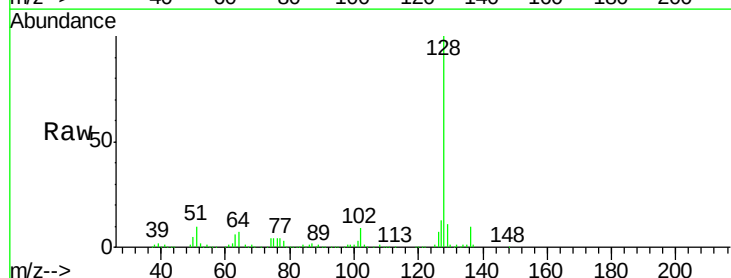
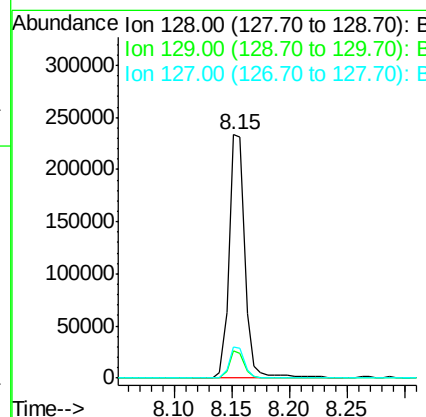
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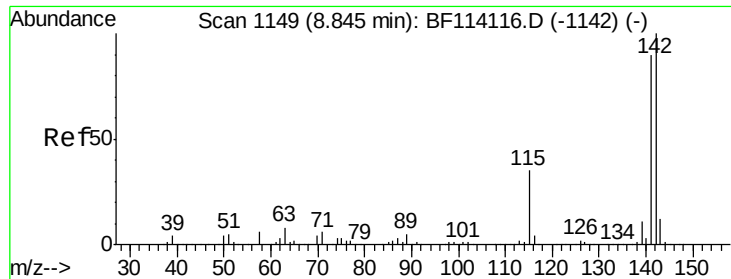
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#31
Naphthalene
Concen: 4.789 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF114213.D
Acq: 13 May 2019 1:13

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





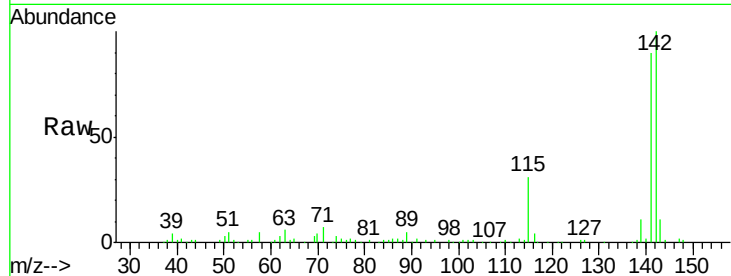
#37
2-Methylnaphthalene
Concen: 2.695 ng
RT: 8.85 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF114213.D
Acq: 13 May 2019 1:13

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0206-01DL

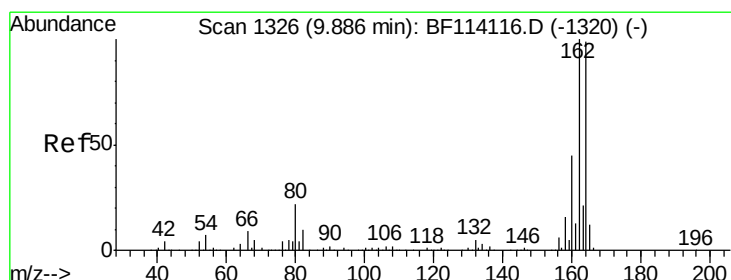
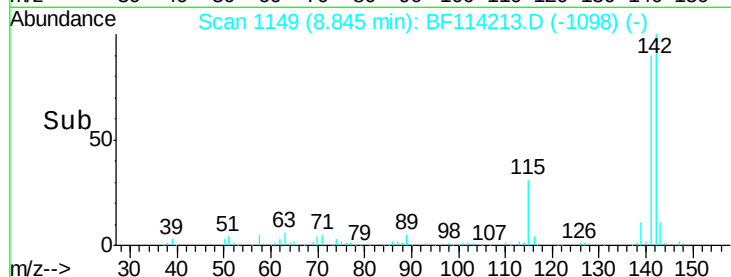
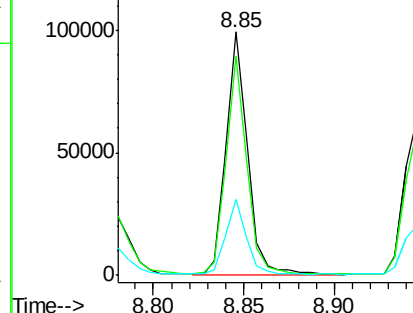
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.1	108.1
115	31.2	28.0	42.0

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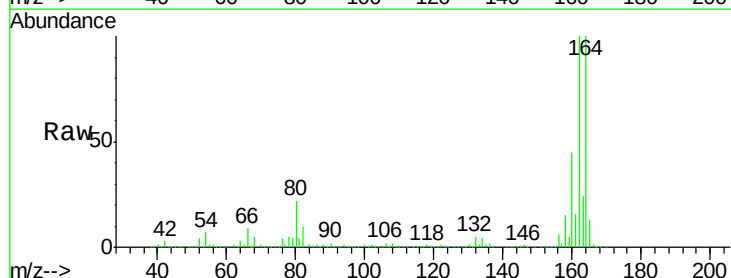


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

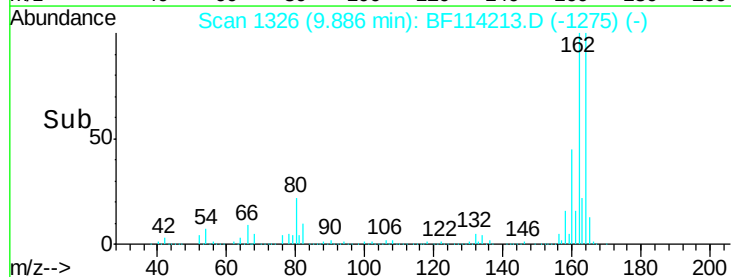
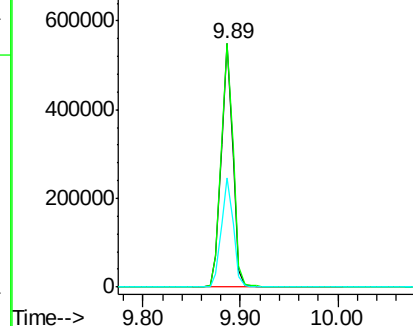


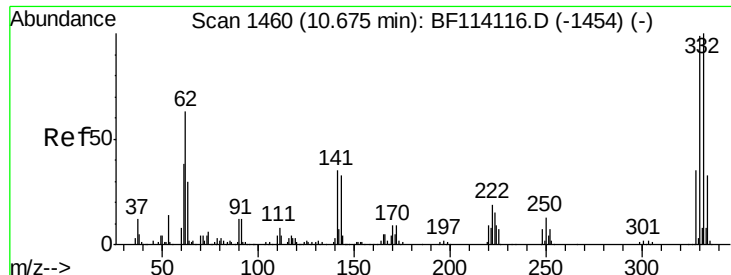
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF114213.D
Acq: 13 May 2019 1:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	120.8
160	45.0	36.5	54.7



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 54.526 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF114213.D

Acq: 13 May 2019 1:13

Instrument :

BNA_F

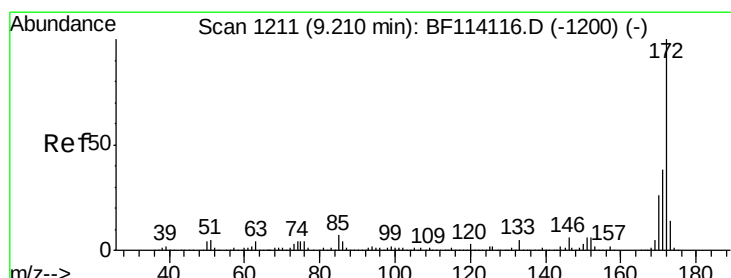
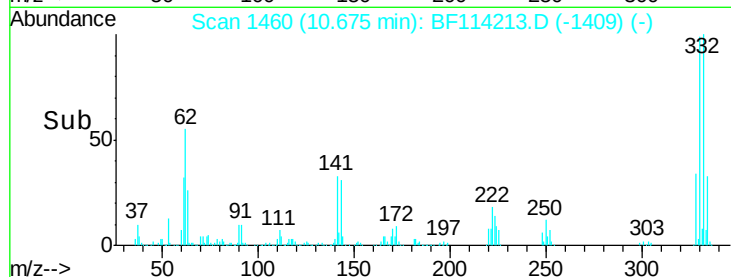
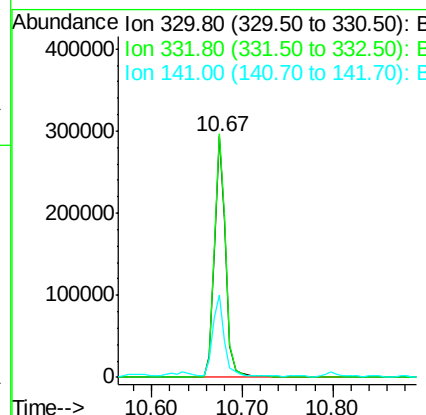
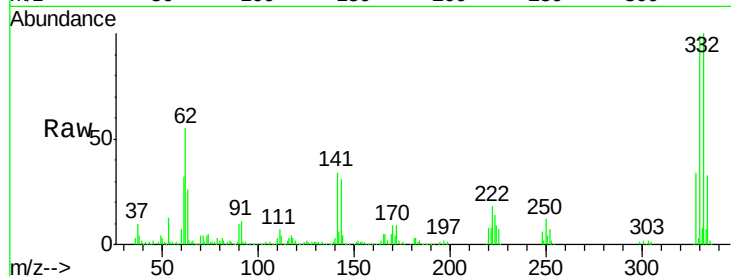
ClientSampleId :

P026-SS002-0206-01DL

Tot Ion:	330	Resp:	257907
Ion Ratio	Lower	Upper	
330	100		
332	101.6	81.4	122.2
141	35.5	26.6	40.0

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#45

2-Fluorobiphenyl

Concen: 37.215 ng

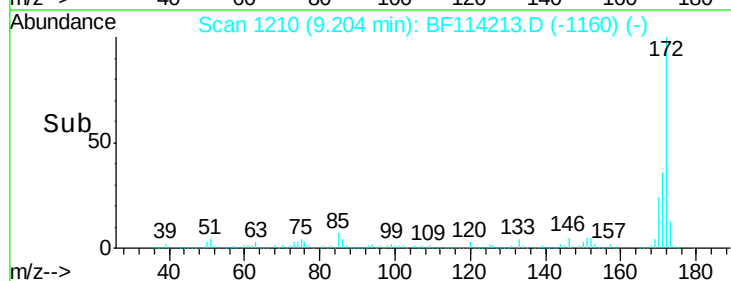
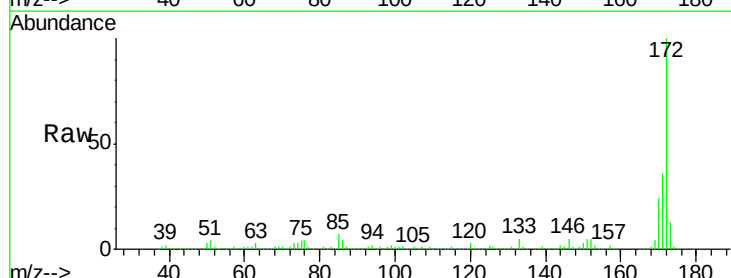
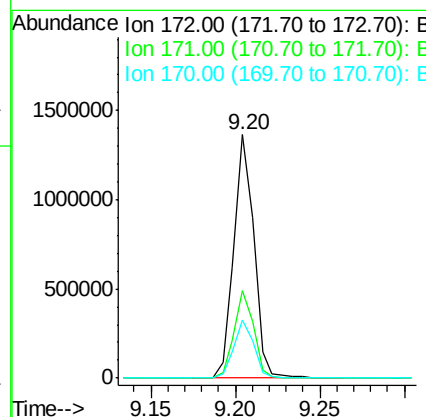
RT: 9.20 min Scan# 1210

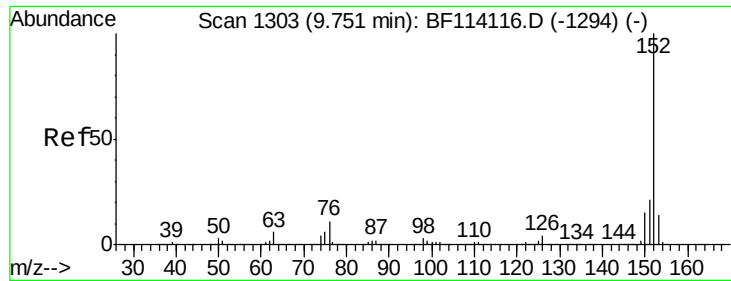
Delta R.T. -0.01 min

Lab File: BF114213.D

Acq: 13 May 2019 1:13

Tgt Ion:	172	Resp:	1125597
Ion Ratio	Lower	Upper	
172	100		
171	35.8	30.7	46.1
170	23.8	20.5	30.7





#49

Acenaphthylene

Concen: 9.847 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF114213.D

Acq: 13 May 2019 1:13

Instrument :

BNA_F

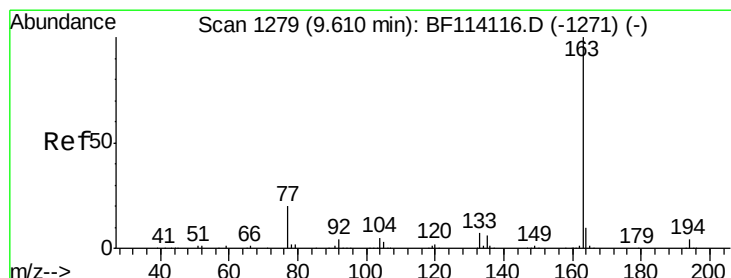
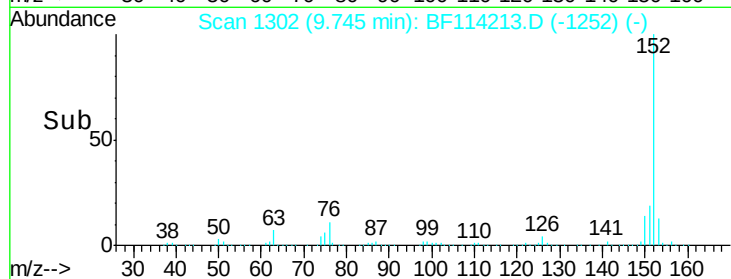
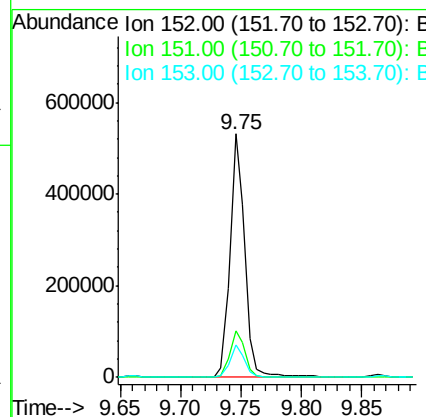
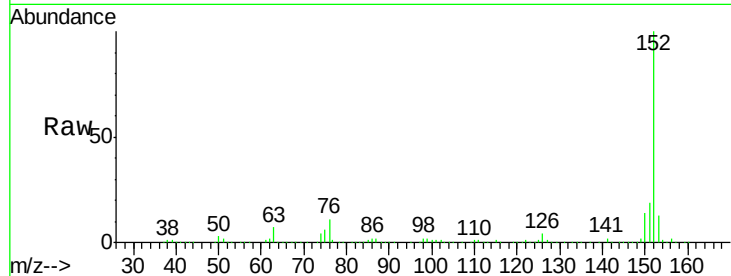
ClientSampleId :

P026-SS002-0206-01DL

Tot Ion:	152	Resp:	445486
Ion Ratio	Lower	Upper	
152	100		
151	19.1	16.8	25.2
153	13.1	11.4	17.2

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#50

Dimethylphthalate

Concen: 3.309 ng

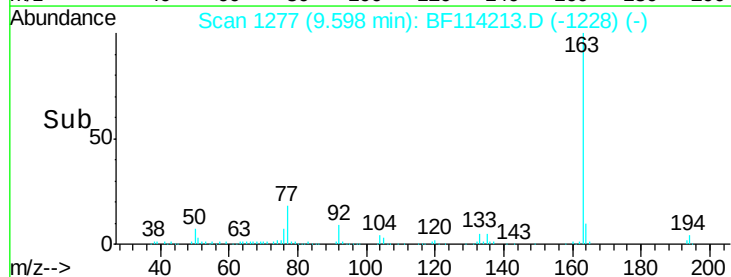
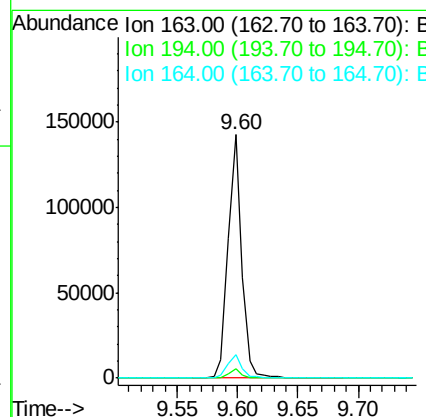
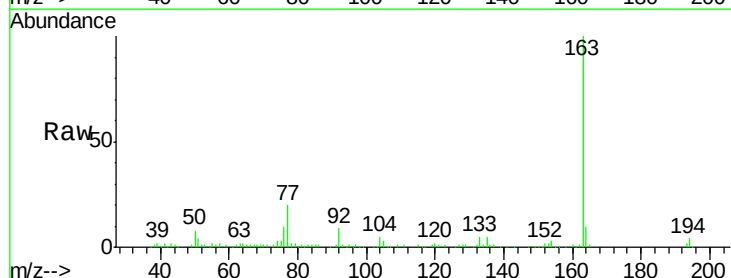
RT: 9.60 min Scan# 1277

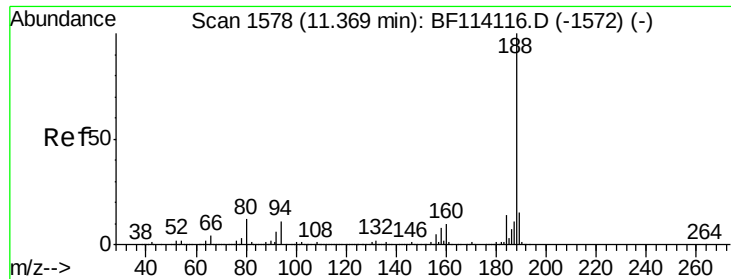
Delta R.T. -0.01 min

Lab File: BF114213.D

Acq: 13 May 2019 1:13

Tgt Ion:	163	Resp:	111140
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.4	5.0
164	9.7	8.2	12.2





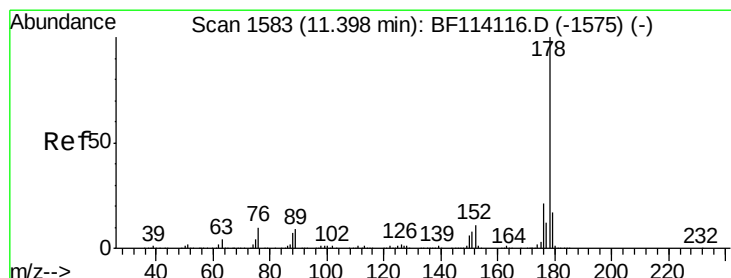
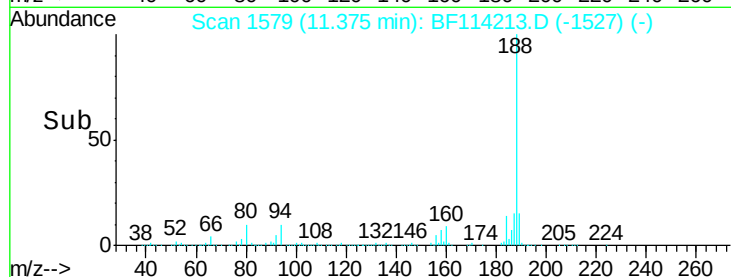
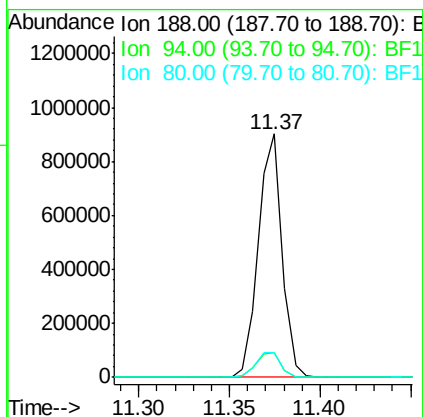
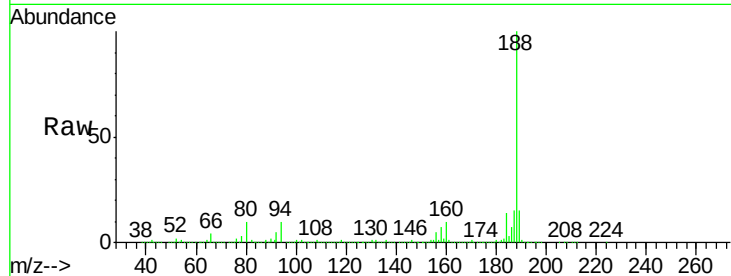
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF114213.D
Acq: 13 May 2019 1:13

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0206-01DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.0	8.4	12.6
80	10.0	9.2	13.8

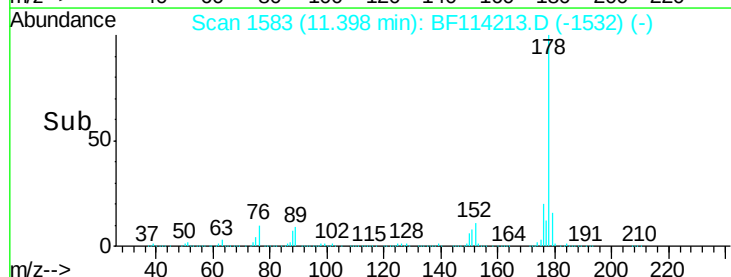
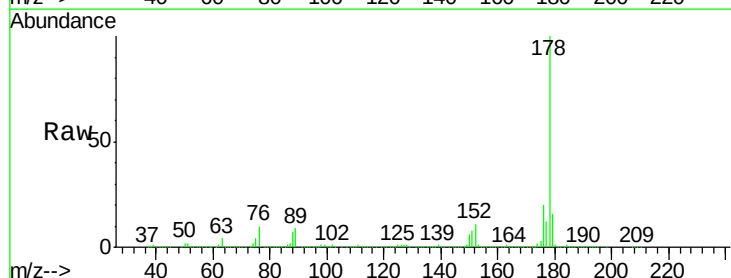
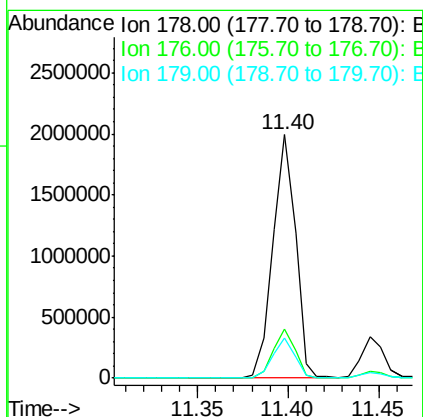
Manual Integrations
APPROVED

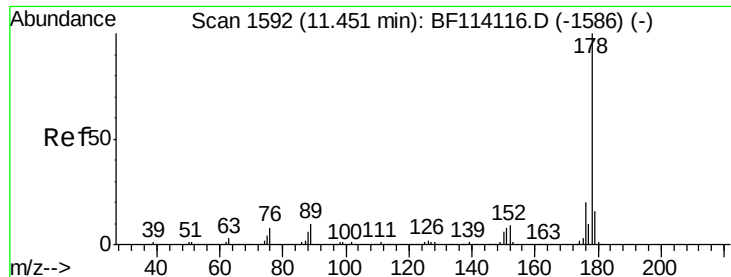
Sohil
5/13/2019 8:37:46 PM



#71
Phenanthrene
Concen: 43.510 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BF114213.D
Acq: 13 May 2019 1:13

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.0	16.4	24.6
179	16.4	13.2	19.8





#72

Anthracene

Concen: 7.039 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF114213.D

Acq: 13 May 2019 1:13

Instrument :

BNA_F

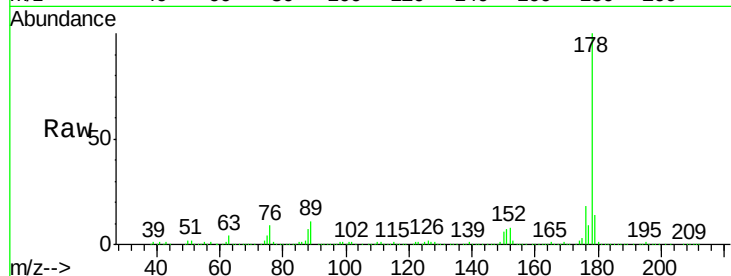
ClientSampleId :

P026-SS002-0206-01DL

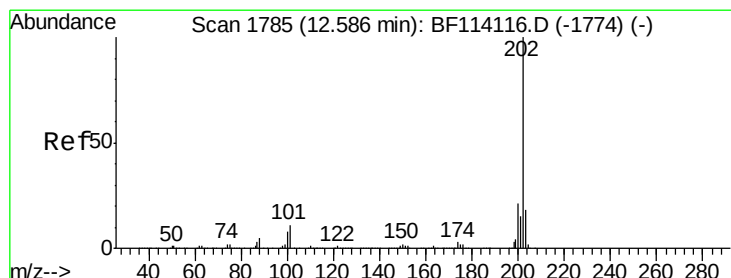
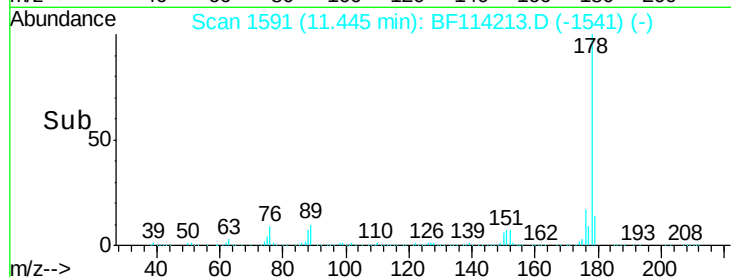
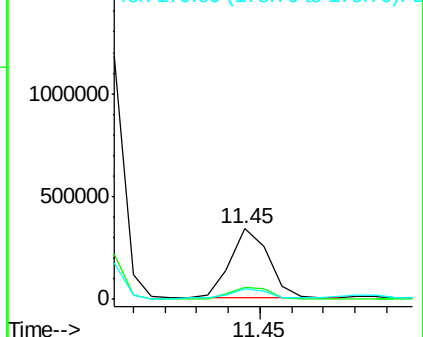
Tot Ion:	178	Resp:	281258
Ion Ratio	Lower	Upper	
178	100		
176	17.6	15.8	23.8
179	14.4	13.0	19.4

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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: 51.527 ng

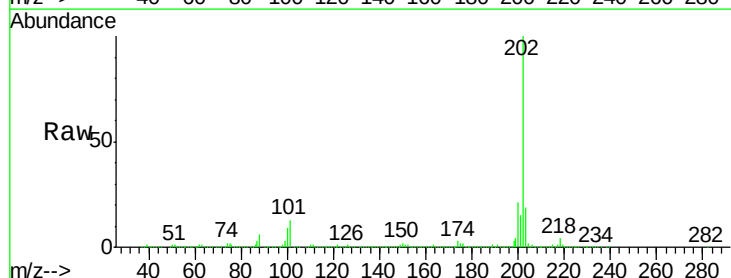
RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

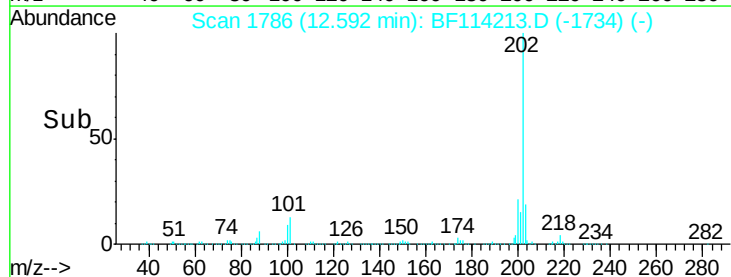
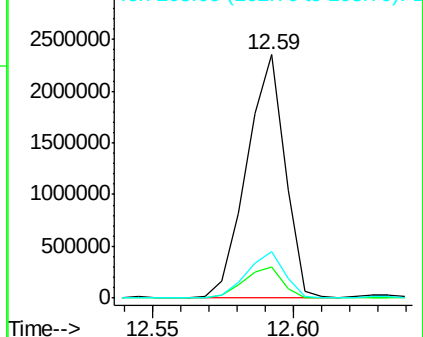
Lab File: BF114213.D

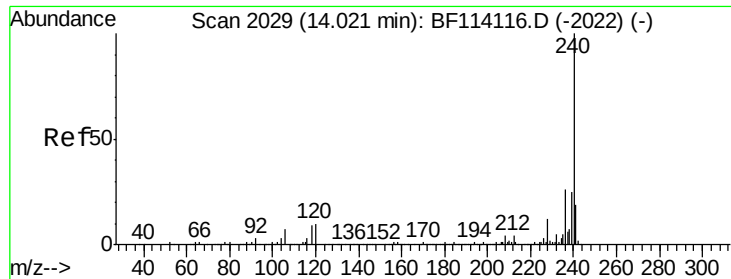
Acq: 13 May 2019 1:13

Tgt Ion:	202	Resp:	2207264
Ion Ratio	Lower	Upper	
202	100		
101	12.6	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





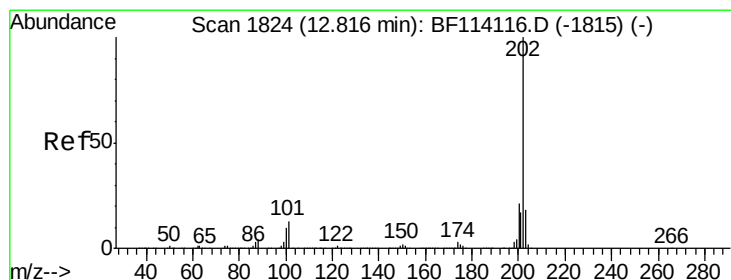
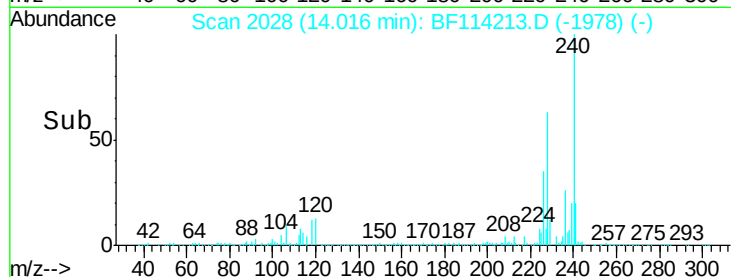
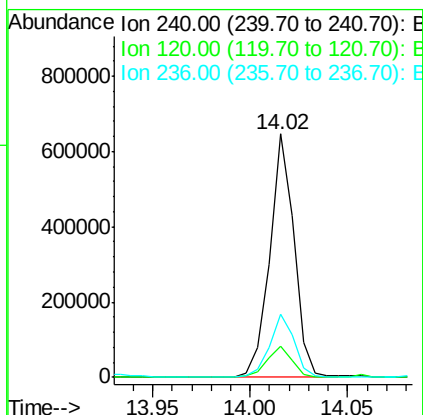
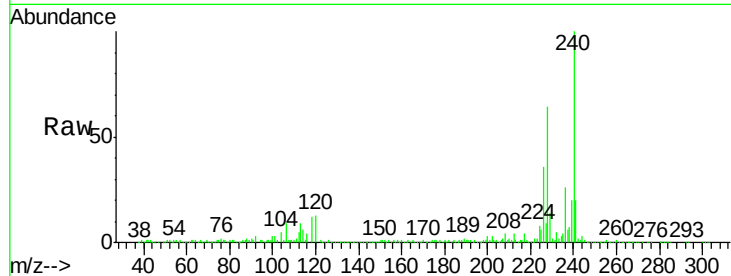
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF114213.D
Acq: 13 May 2019 1:13

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0206-01DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.9	8.3	12.5#
236	26.1	20.8	31.2

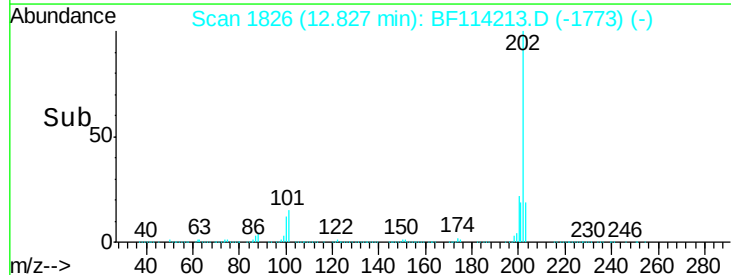
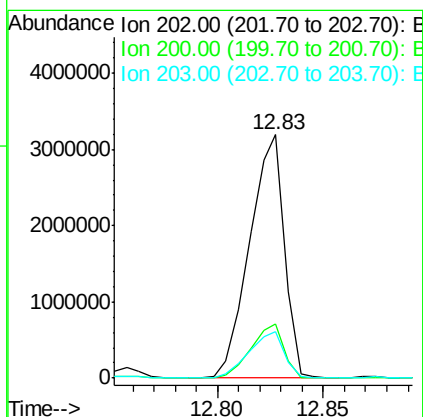
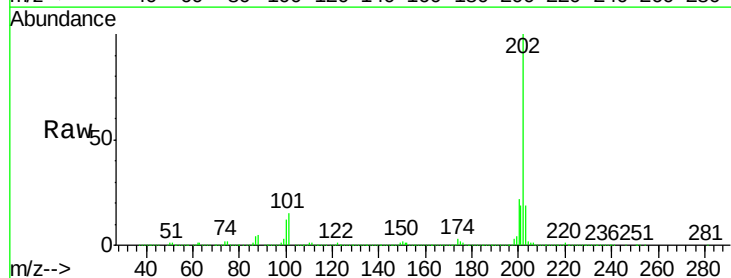
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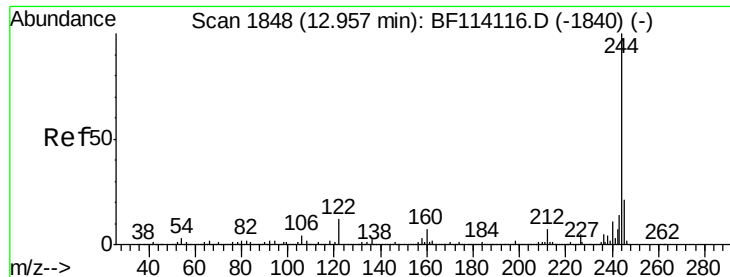
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#78
Pyrene
Concen: 81.331 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BF114213.D
Acq: 13 May 2019 1:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.3	16.9	25.3
203	19.2	14.5	21.7





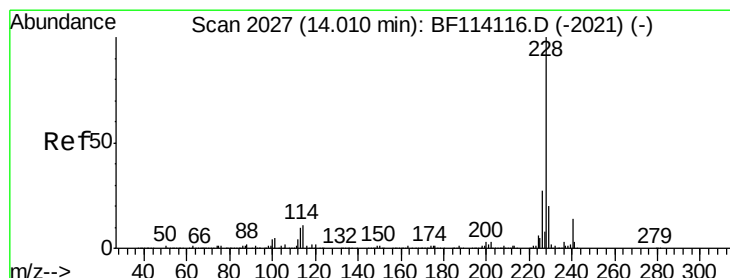
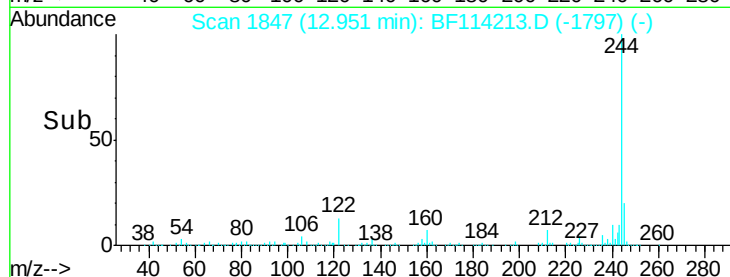
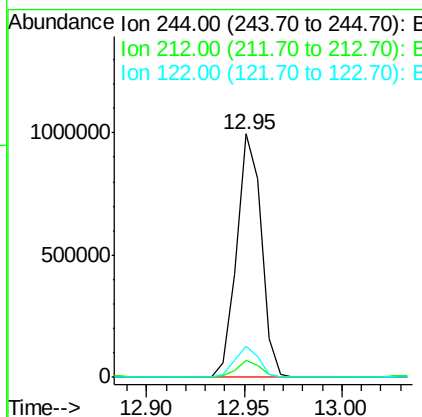
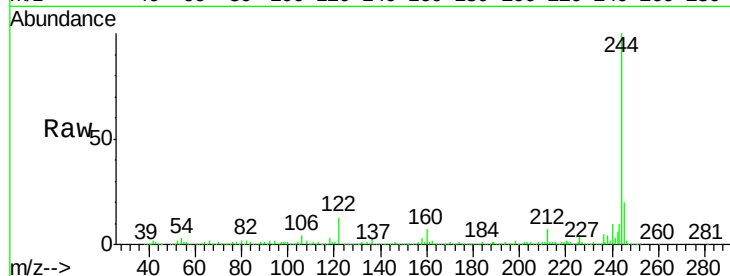
#79
 Terphenyl-d14
 Concen: 32.326 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF114213.D
 Acq: 13 May 2019 1:13

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS002-0206-01DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	13.0	9.4	14.2

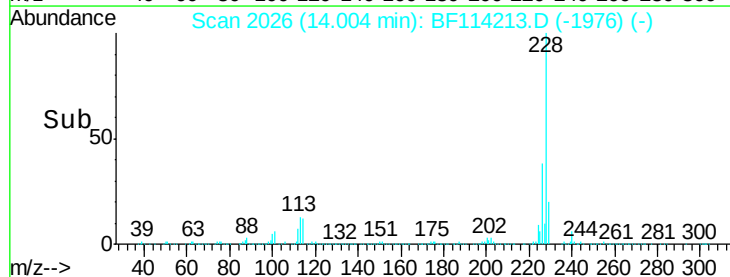
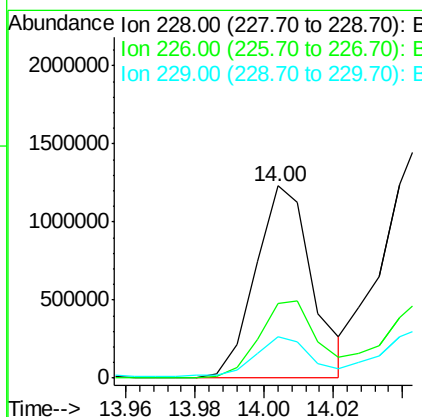
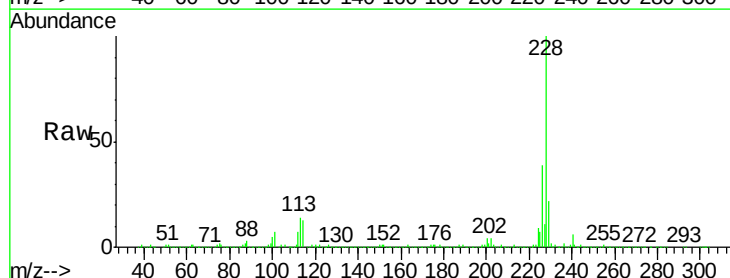
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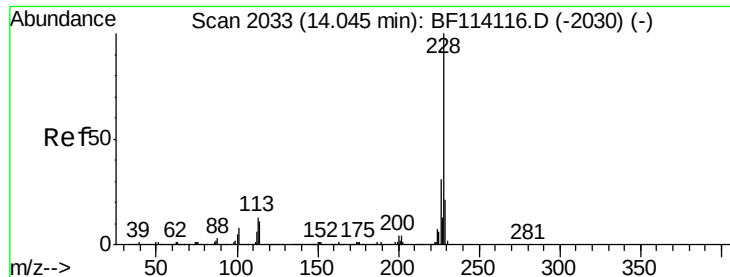
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#81
 Benzo(a)anthracene
 Concen: 39.634 ng m
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF114213.D
 Acq: 13 May 2019 1:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	39.2	22.2	33.2#
229	21.8	16.4	24.6





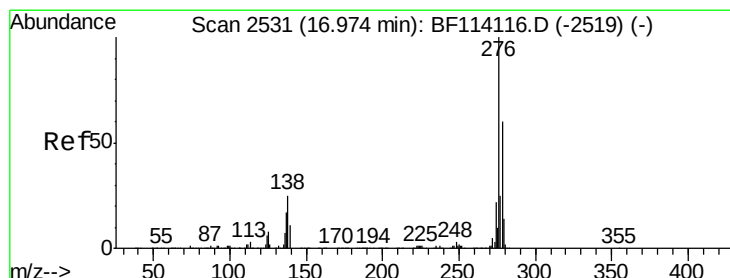
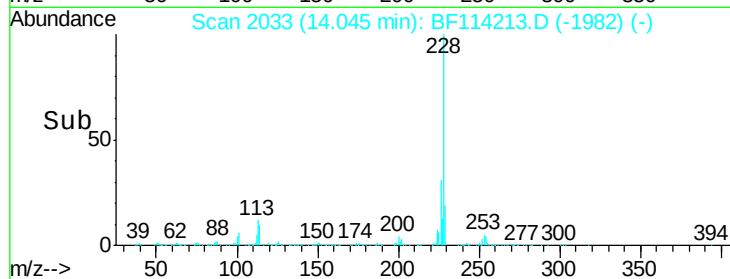
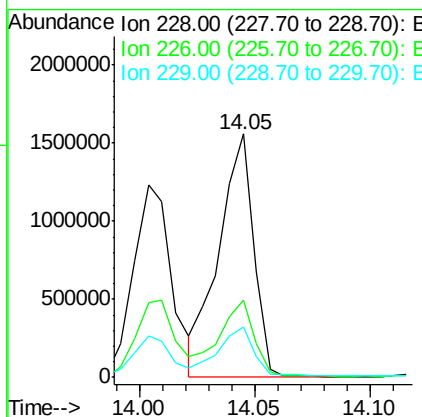
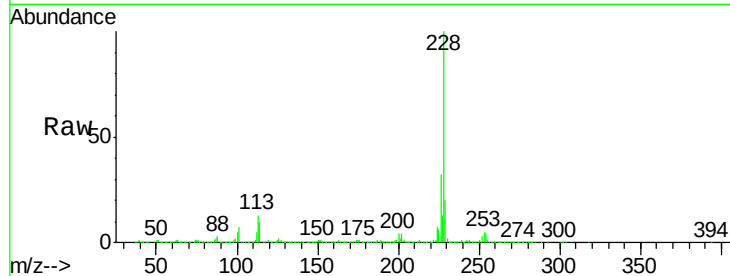
#83
Chrysene
Concen: 46.403 ng
RT: 14.05 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BF114213.D
Acq: 13 May 2019 1:13

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0206-01DL

Tot Ion:228 Resp: 1630603
Ion Ratio Lower Upper
228 100
226 31.7 25.0 37.6
229 20.4 17.0 25.6

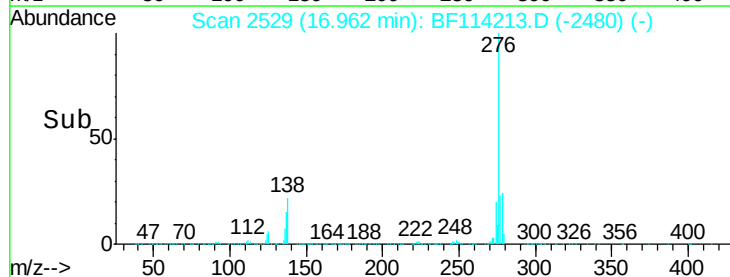
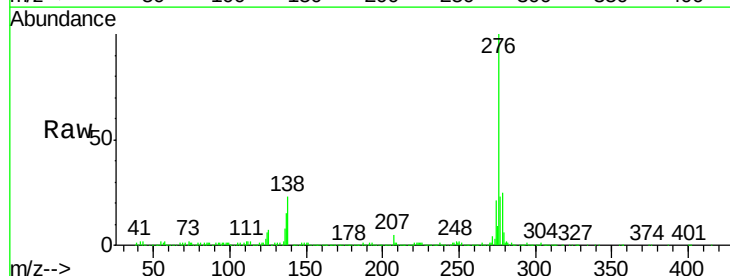
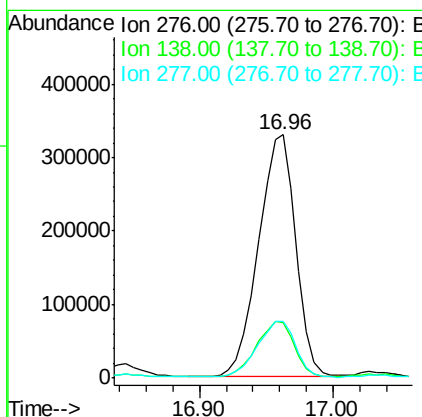
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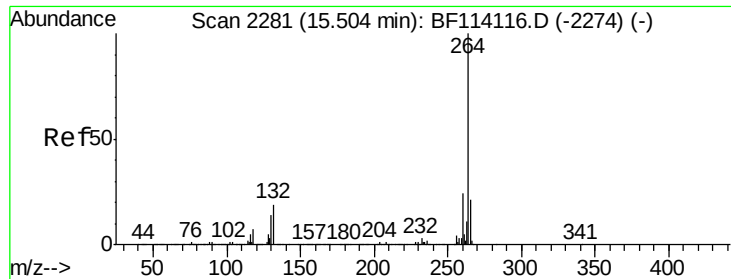
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#86
Indeno(1,2,3-cd)pyrene
Concen: 20.379 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF114213.D
Acq: 13 May 2019 1:13

Tgt Ion:276 Resp: 632874
Ion Ratio Lower Upper
276 100
138 23.5 20.2 30.2
277 23.9 20.0 30.0





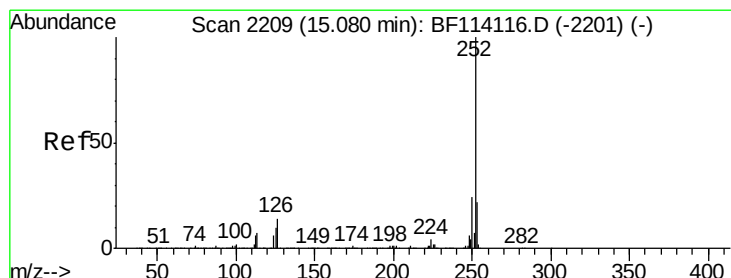
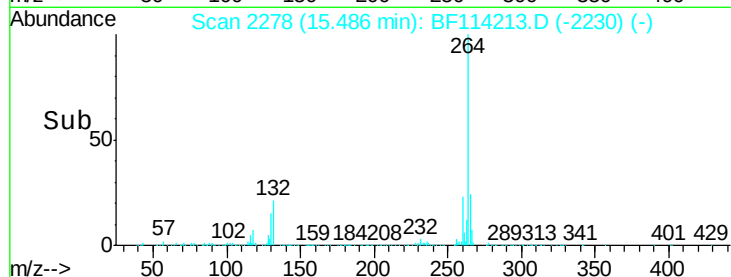
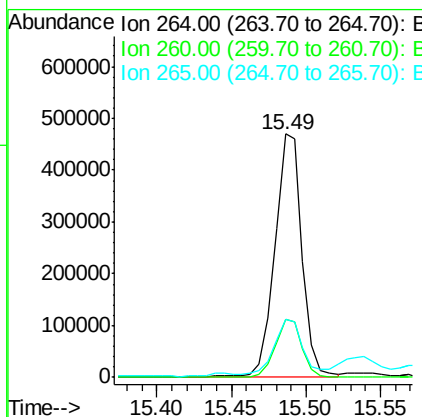
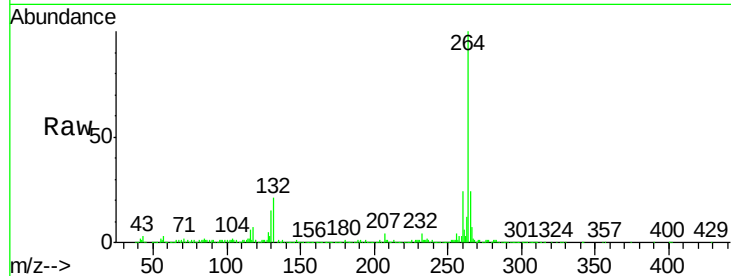
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BF114213.D
Acq: 13 May 2019 1:13

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0206-01DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.0
265	23.9	16.9	25.3

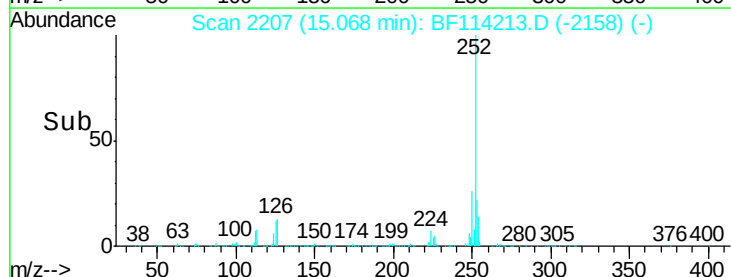
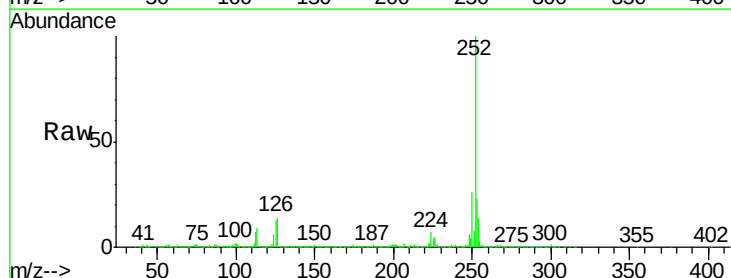
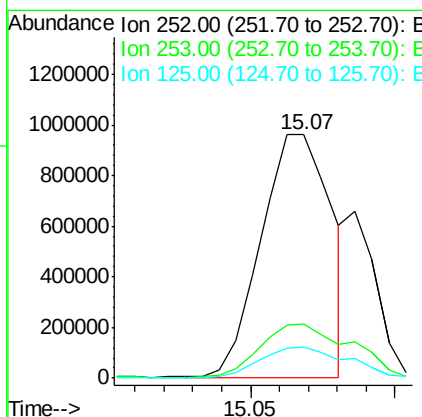
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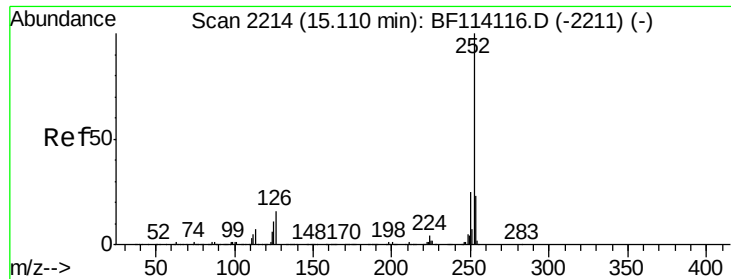
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#88
Benzo(b)fluoranthene
Concen: 43.112 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF114213.D
Acq: 13 May 2019 1:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	12.8	8.3	12.5#





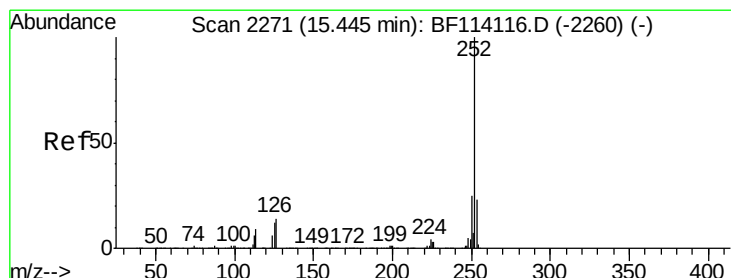
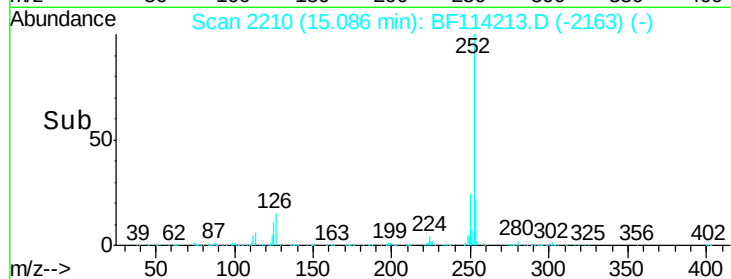
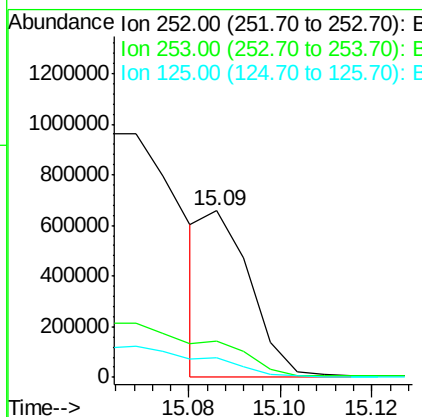
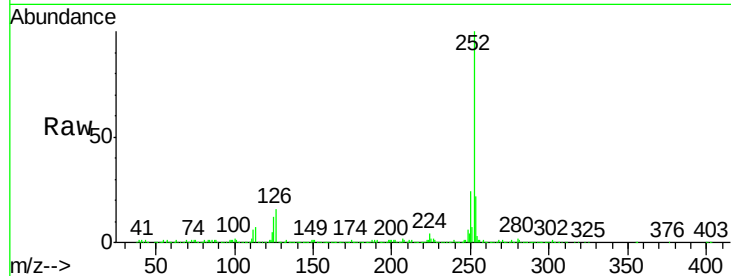
#89
Benzo(k)fluoranthene
Concen: 13.243 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.02 min
Lab File: BF114213.D
Acq: 13 May 2019 1:13

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0206-01DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.2
125	11.5	8.6	13.0

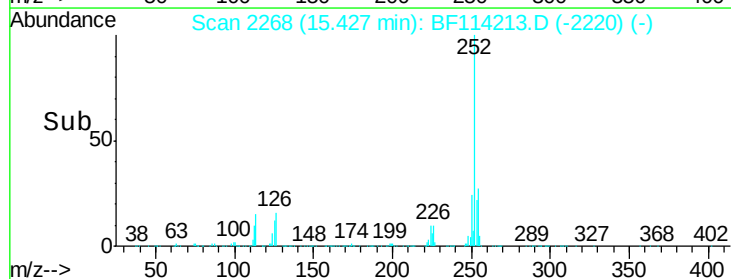
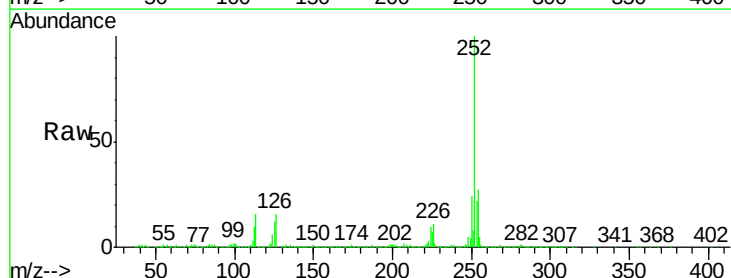
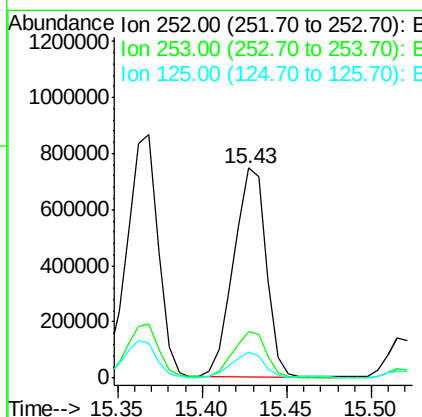
Manual Integrations
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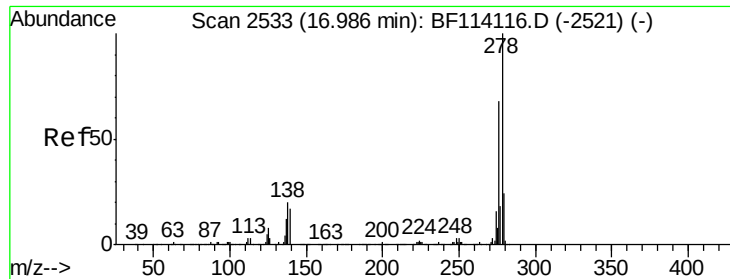
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#90
Benzo(a)pyrene
Concen: 30.101 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF114213.D
Acq: 13 May 2019 1:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	12.3	9.5	14.3





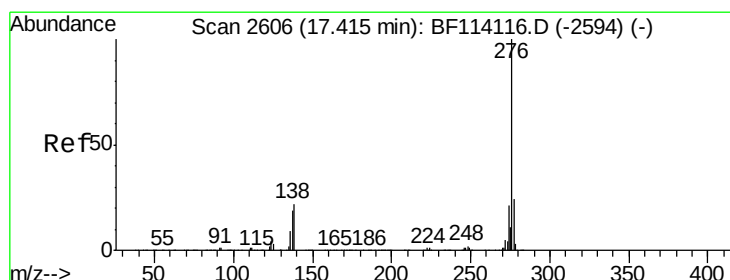
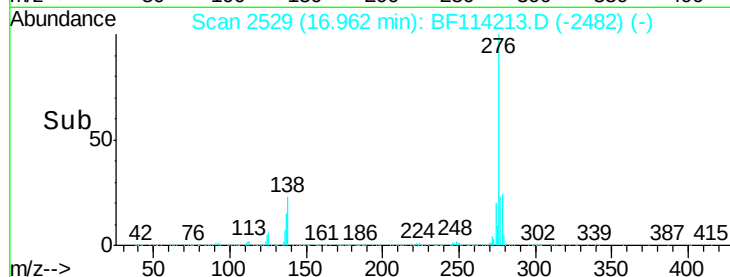
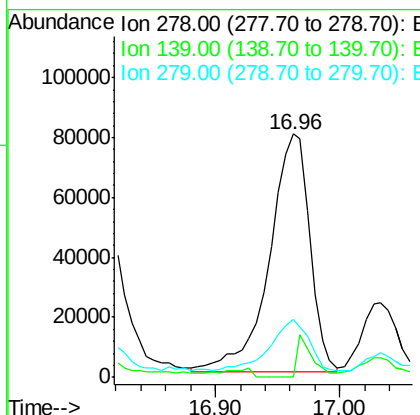
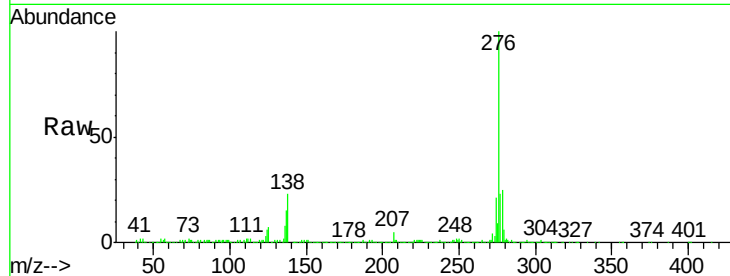
#91
Dibenzo(a,h)anthracene
Concen: 6.497 ng m
RT: 16.96 min Scan# 2529
Delta R.T. -0.02 min
Lab File: BF114213.D
Acq: 13 May 2019 1:13

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0206-01DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	23.6	19.0	28.6

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#92
Benzo(g,h,i)perylene
Concen: 25.436 ng
RT: 17.41 min Scan# 2605
Delta R.T. -0.01 min
Lab File: BF114213.D
Acq: 13 May 2019 1:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.0	28.4
138	22.3	17.8	26.6

