

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
 Data File : BF116878.D
 Acq On : 7 Sep 2019 8:10
 Operator : HP/JU
 Sample : K4692-08DL 4X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-29-COMPDL

Manual Integrations
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mohammad
 9/12/2019 9:25:07 AM

Quant Time: Sep 09 01:04:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	74732	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	305229	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	138640	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	201191	20.00	ng	0.00
76) Chrysene-d12	14.00	240	157659	20.00	ng	0.00
87) Perylene-d12	15.46	264	138775	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	73788	16.00	ng	0.00
7) Phenol-d6	6.47	99	141162	23.30	ng	-0.01
23) Nitrobenzene-d5	7.40	82	84767	15.85	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	32130	34.67	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	206752	25.16	ng	-0.01
79) Terphenyl-d14	12.94	244	183005	21.47	ng	0.00
Target Compounds						
31) Naphthalene	8.15	128	40773	2.809	ng	99
50) Dimethylphthalate	9.59	163	26218	2.739	ng	98
52) Acenaphthene	9.91	154	43980	5.683	ng	99
55) Dibenzofuran	10.09	168	42915	3.934	ng	99
58) Fluorene	10.43	166	49099	5.906	ng	97
71) Phenanthrene	11.39	178	595845	53.202	ng	100
72) Anthracene	11.44	178	175138	15.535	ng	98
73) Carbazole	11.59	167	41139	3.831	ng	97
75) Fluoranthene	12.58	202	825602	75.011	ng	99
78) Pyrene	12.81	202	771762	55.068	ng	99
81) Benzo(a)anthracene	13.99	228	413087	41.399	ng	98
83) Chrysene	14.03	228	333462m	32.438	ng	
86) Indeno(1,2,3-cd)pyrene	16.92	276	131406	15.914	ng	96
88) Benzo(b)fluoranthene	15.04	252	396626m	47.273	ng	
89) Benzo(k)fluoranthene	15.06	252	103787m	13.567	ng	
90) Benzo(a)pyrene	15.40	252	261551	35.831	ng	98
91) Dibenzo(a,h)anthracene	16.92	278	32116	5.027	ng	# 84
92) Benzo(g,h,i)perylene	17.36	276	116543	17.885	ng	97

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

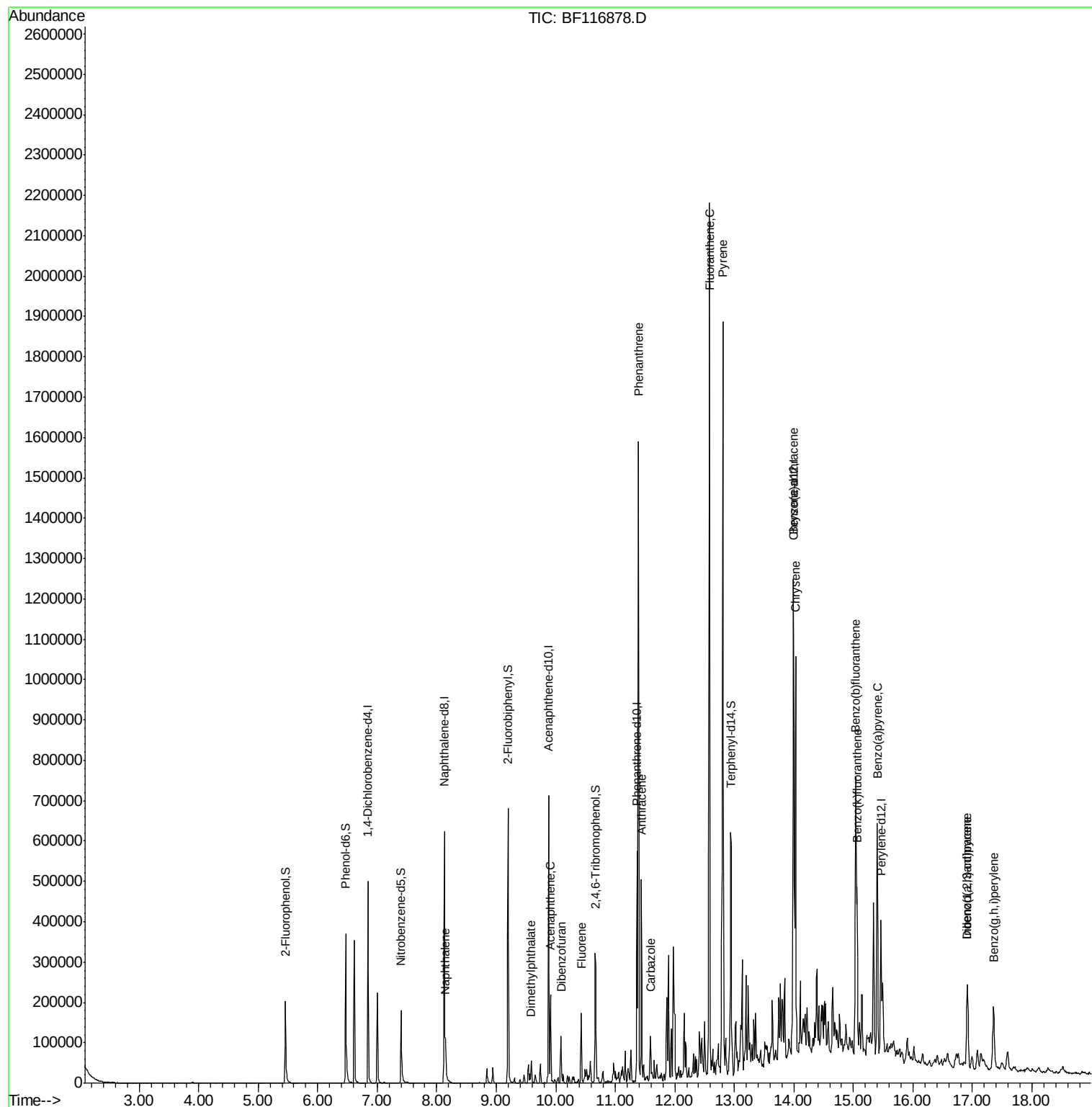
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
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ALS Vial : 25 Sample Multiplier: 1

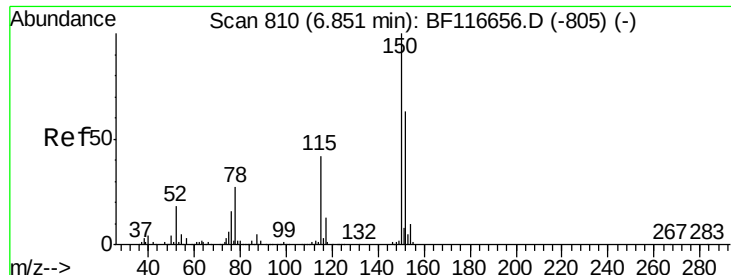
Instrument :
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ClientSampleId :
SB-29-COMPDL

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#1

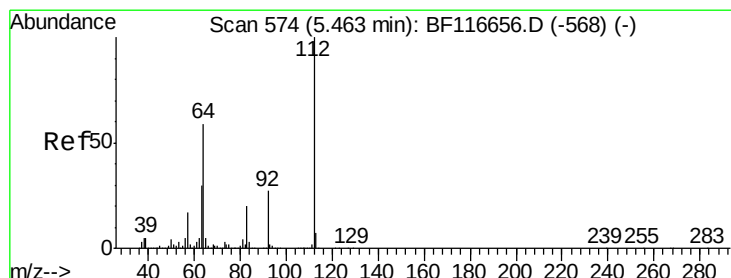
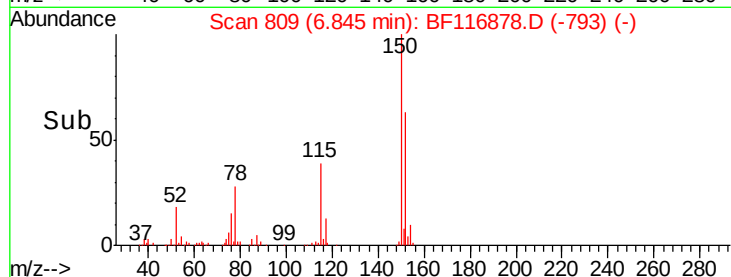
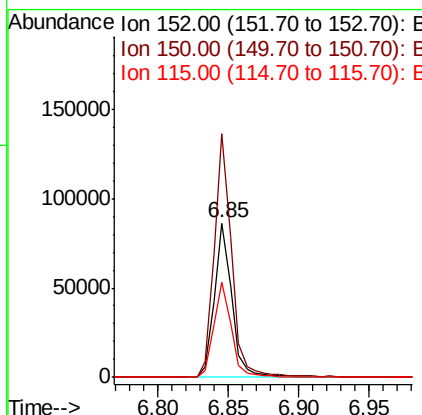
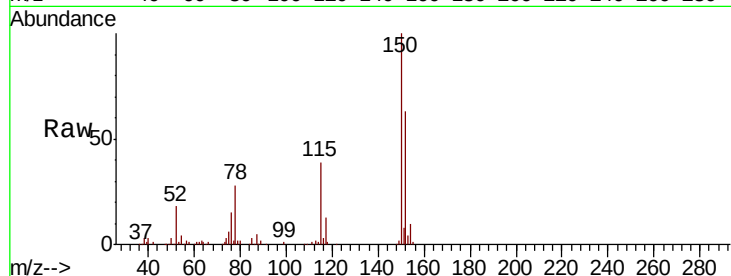
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116878.D
Acq: 7 Sep 2019 8:10

Instrument :
BNA_F
ClientSampleId :
SB-29-COMPDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.4	186.6
115	61.8	49.9	74.9

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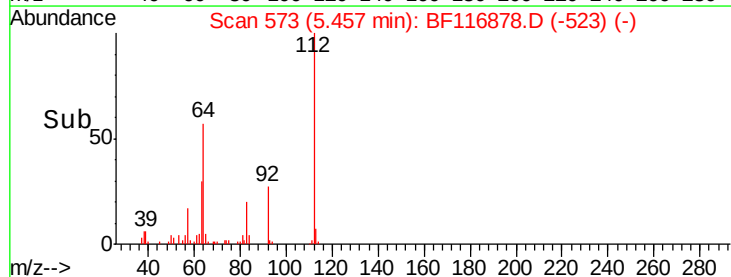
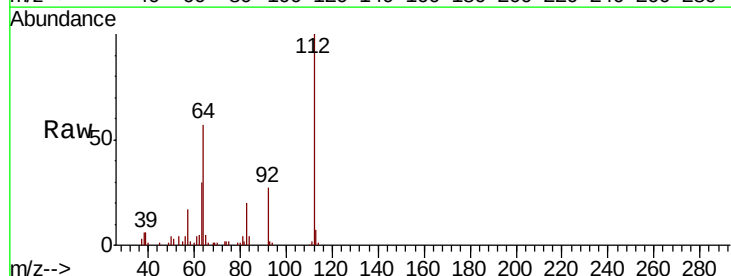
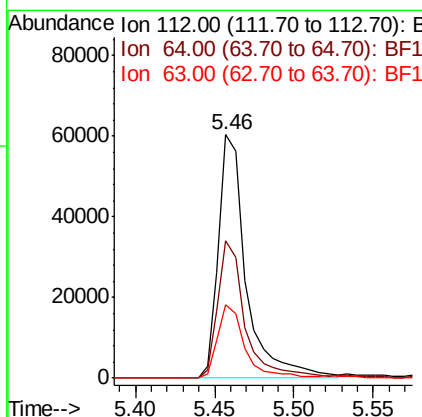
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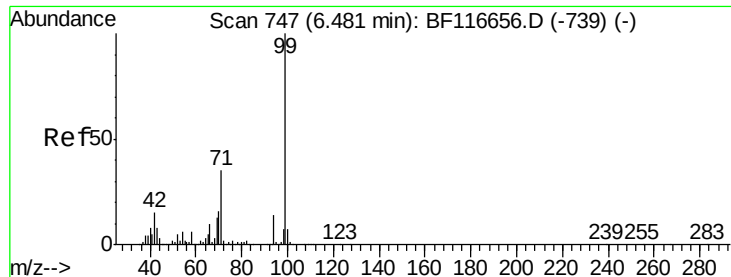


#5

2-Fluorophenol
Concen: 15.996 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116878.D
Acq: 7 Sep 2019 8:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	47.1	70.7
63	29.9	24.9	37.3





#7

Phenol-d6

Concen: 23.305 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116878.D

Acq: 7 Sep 2019 8:10

Instrument :

BNA_F

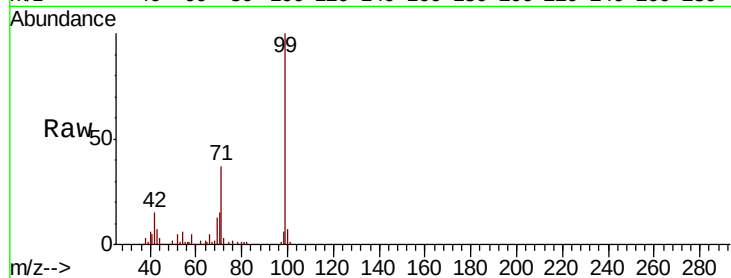
ClientSampleId :

SB-29-COMPDL

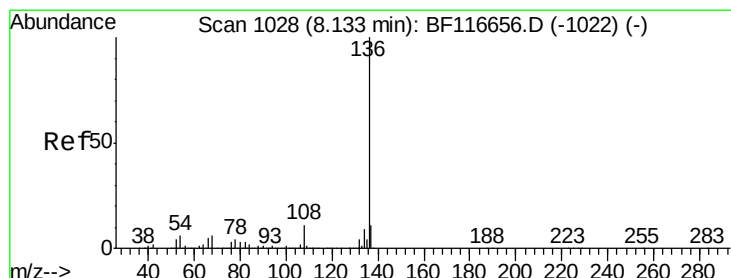
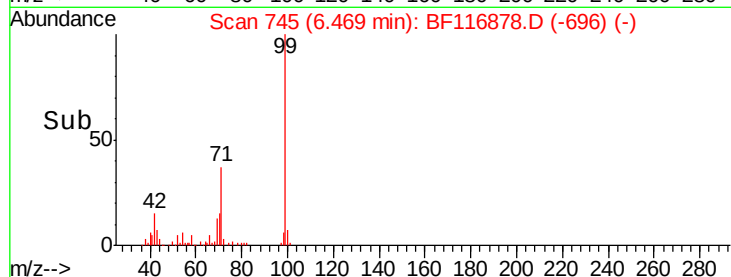
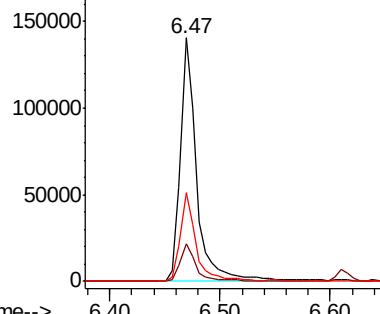
Tot Ion:	99	Resp:	141162
Ion Ratio	Lower	Upper	
99	100		
42	15.2	13.7	20.5
71	36.5	30.8	46.2

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

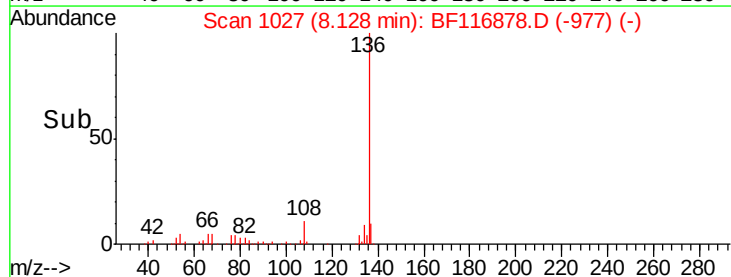
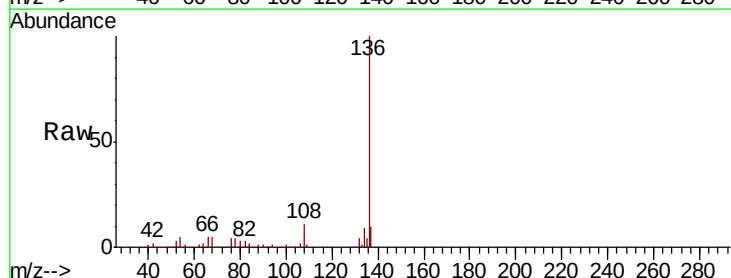
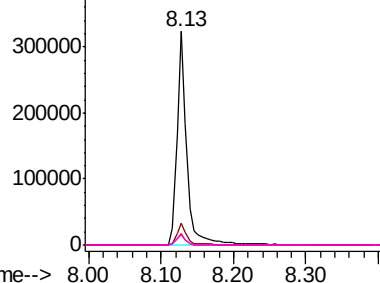
Delta R.T. -0.01 min

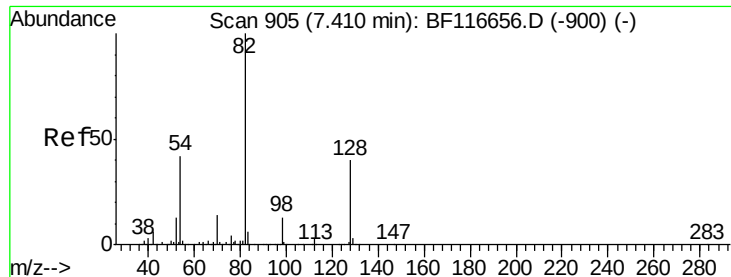
Lab File: BF116878.D

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Tgt Ion:	136	Resp:	305229
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.9	13.3
54	5.5	4.8	7.2
68	5.0	4.0	6.0

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





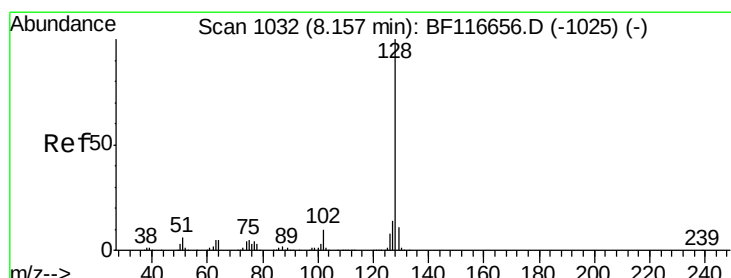
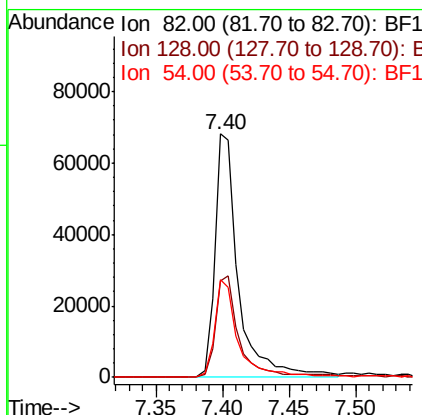
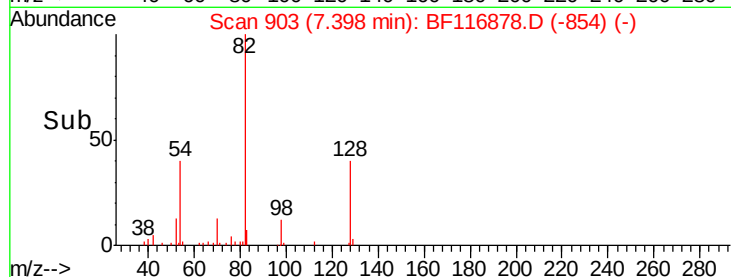
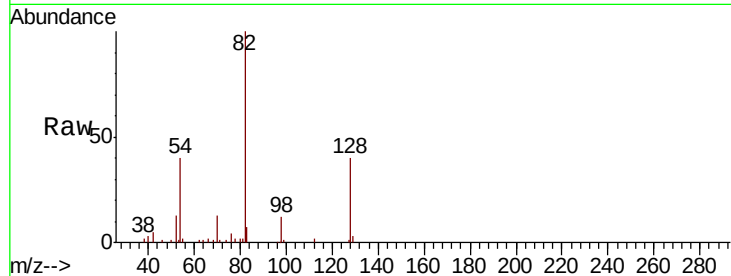
#23
 Nitrobenzene-d5
 Concen: 15.854 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF116878.D
 Acq: 7 Sep 2019 8:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-29-COMPDL

Tot Ion:	82	Resp:	84767
Ion Ratio	Lower	Upper	
82	100		
128	39.7	32.8	49.2
54	40.2	36.9	55.3

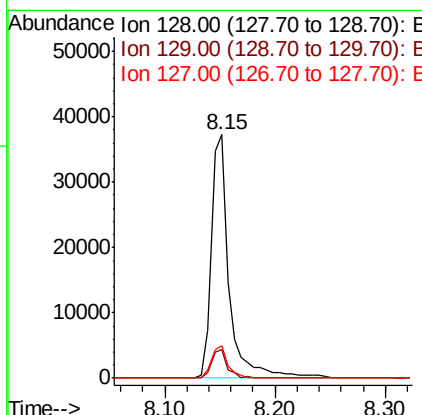
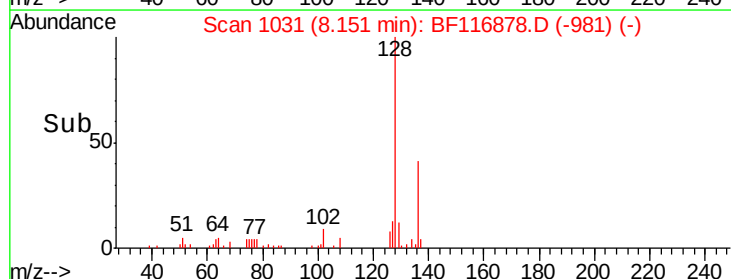
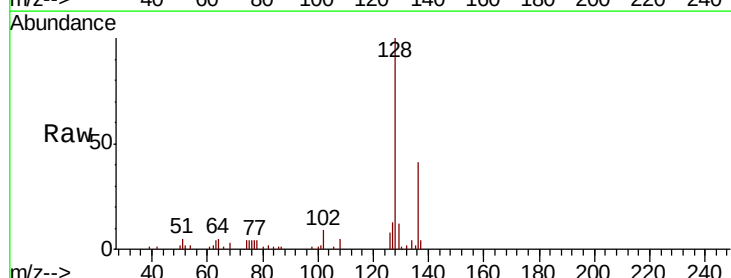
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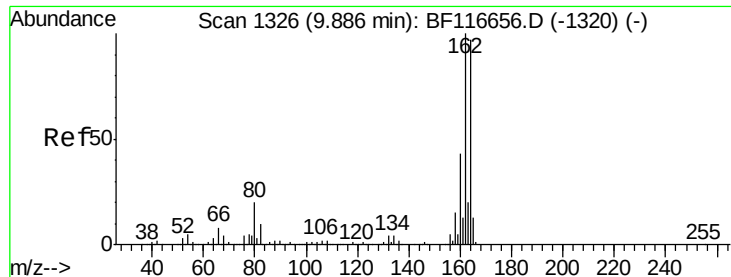
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#31
 Naphthalene
 Concen: 2.809 ng
 RT: 8.15 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: BF116878.D
 Acq: 7 Sep 2019 8:10

Tgt Ion:	128	Resp:	40773
Ion Ratio	Lower	Upper	
128	100		
129	11.9	8.6	13.0
127	13.1	10.4	15.6





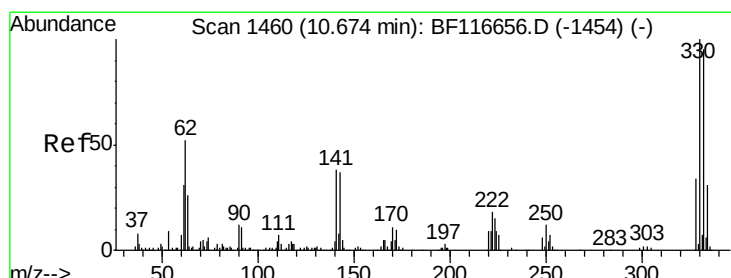
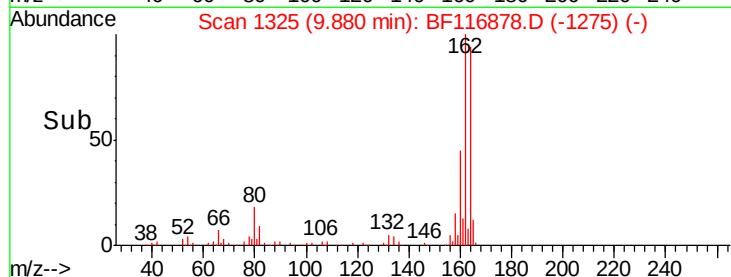
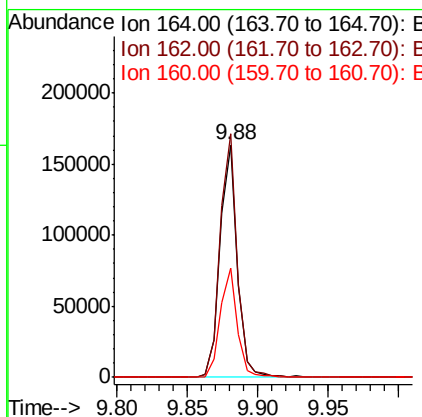
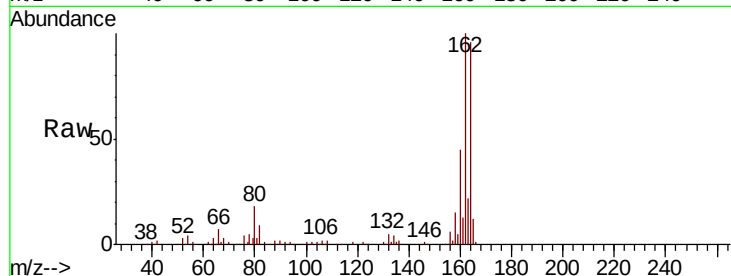
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116878.D
Acq: 7 Sep 2019 8:10

Instrument :
BNA_F
ClientSampleId :
SB-29-COMPDL

Tot Ion	Ratio	Resp	Lower	Upper
164	100	138640		
162	104.7	81.4	122.0	
160	46.7	35.4	53.2	

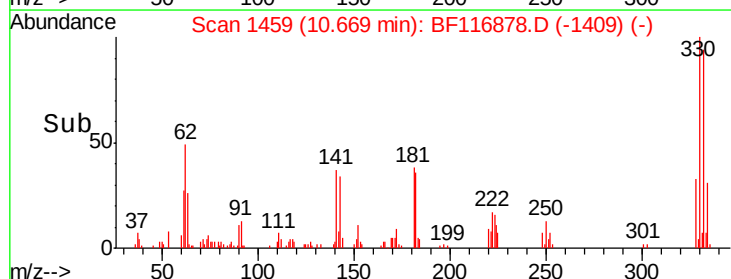
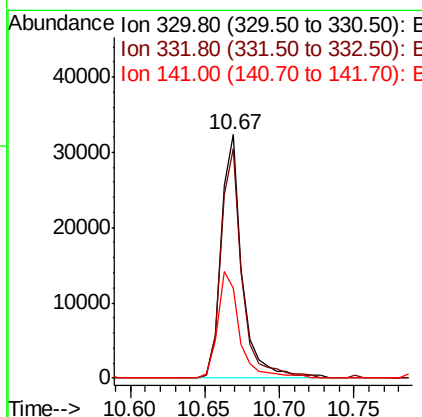
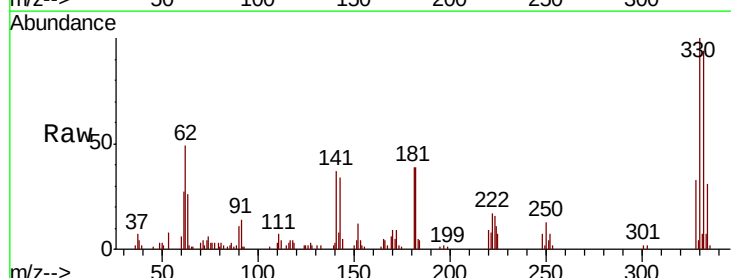
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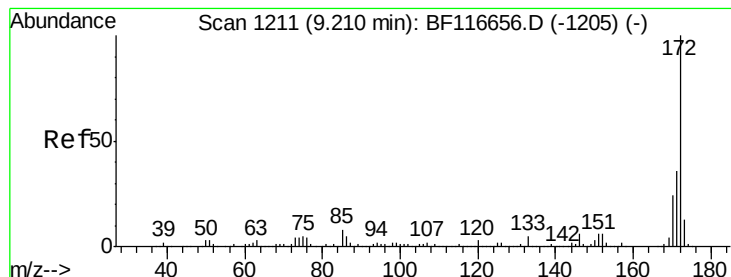
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#42
2,4,6-Tribromophenol
Concen: 34.666 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116878.D
Acq: 7 Sep 2019 8:10

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	32130		
332	94.9	76.9	115.3	
141	45.7	31.4	47.2	





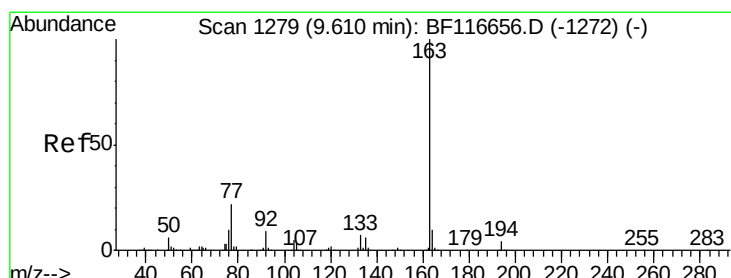
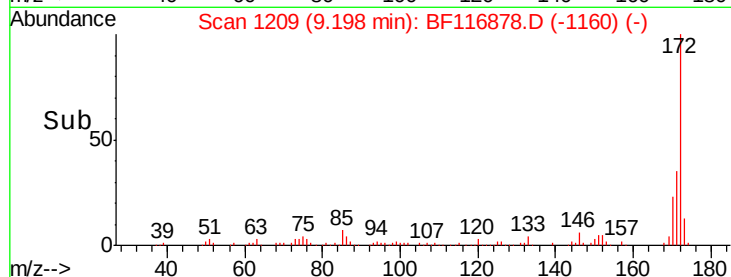
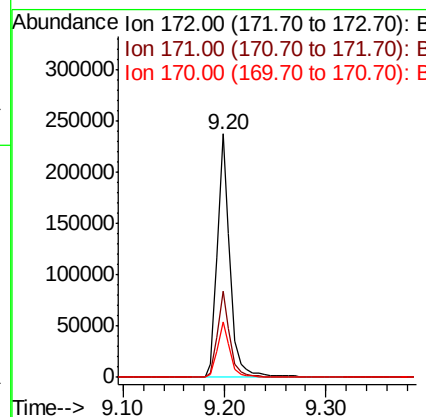
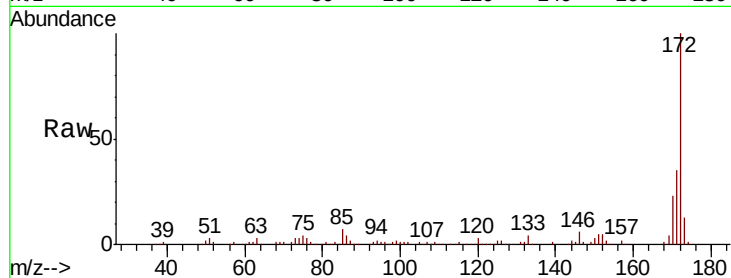
#45
2-Fluorobiphenyl
Concen: 25.156 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF116878.D
Acq: 7 Sep 2019 8:10

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
172	100	206752		
171	35.2		27.8	41.6
170	22.7		18.9	28.3

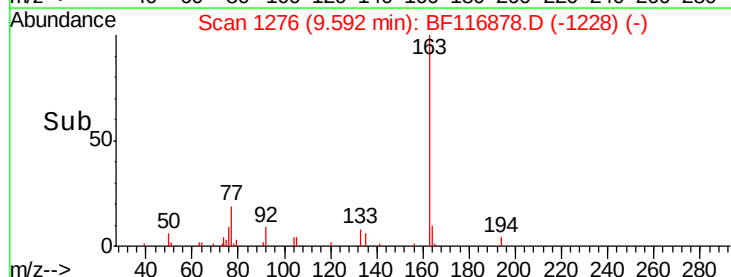
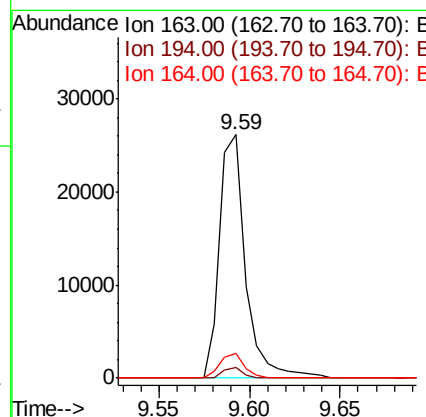
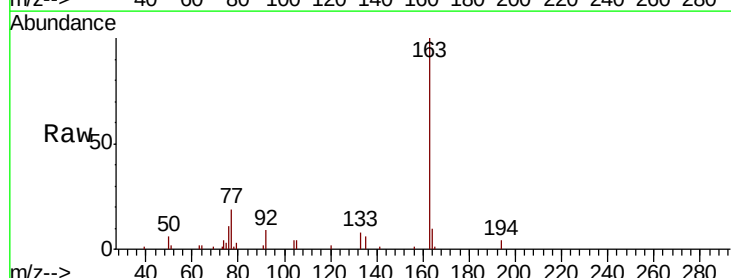
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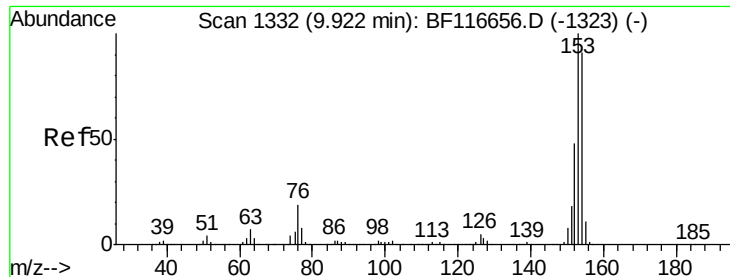
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#50
Dimethylphthalate
Concen: 2.739 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116878.D
Acq: 7 Sep 2019 8:10

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	26218		
194	4.1		2.8	4.2
164	10.1		8.6	12.8





#52

Acenaphthene

Concen: 5.683 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF116878.D

Acq: 7 Sep 2019 8:10

Instrument :

BNA_F

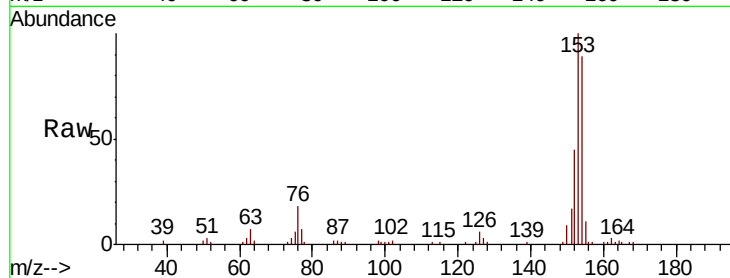
ClientSampleId :

SB-29-COMPDL

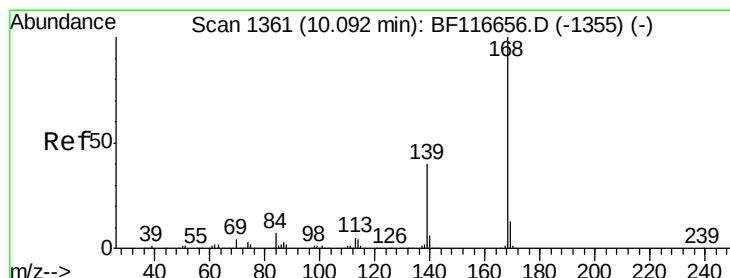
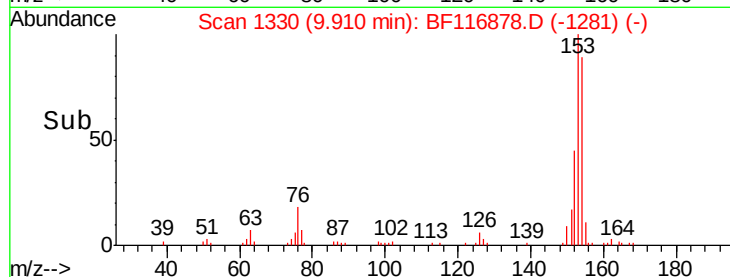
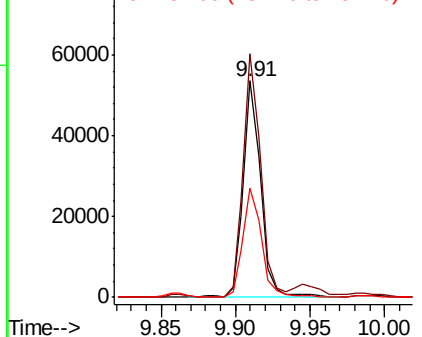
Tot Ion:	154	Resp:	43980
Ion Ratio	Lower	Upper	
154	100		
153	112.5	89.5	134.3
152	50.3	41.9	62.9

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 3.934 ng

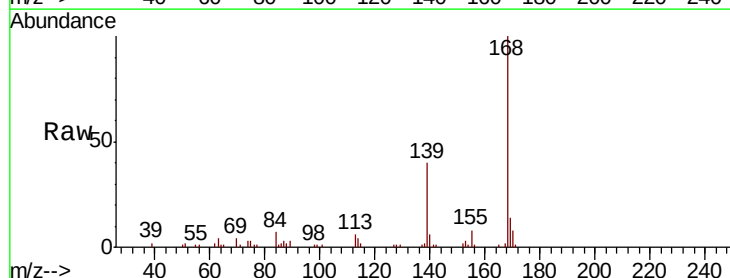
RT: 10.09 min Scan# 1360

Delta R.T. -0.01 min

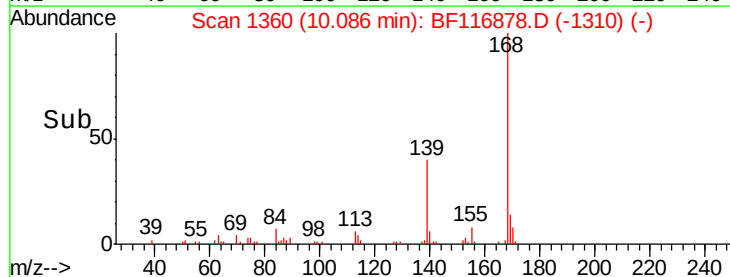
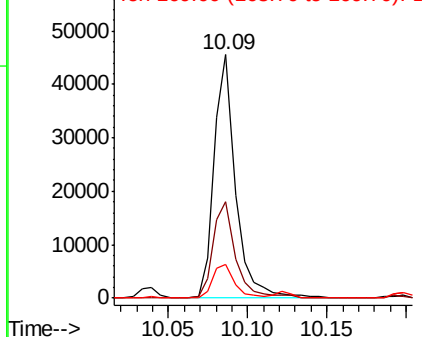
Lab File: BF116878.D

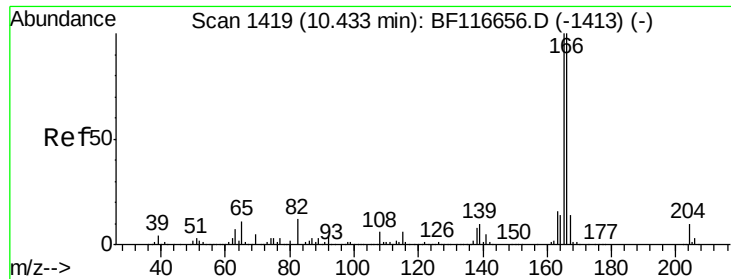
Acq: 7 Sep 2019 8:10

Tgt Ion:	168	Resp:	42915
Ion Ratio	Lower	Upper	
168	100		
139	39.9	31.5	47.3
169	13.6	10.3	15.5



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





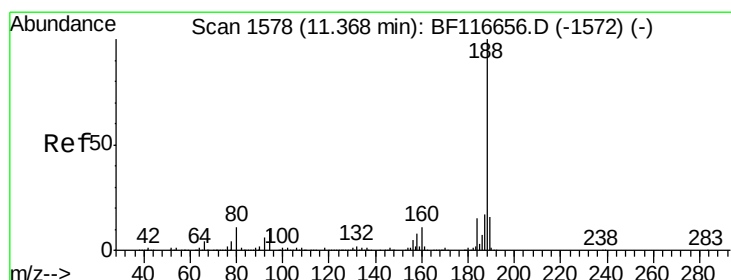
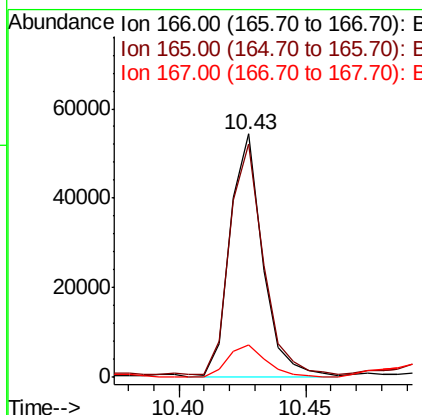
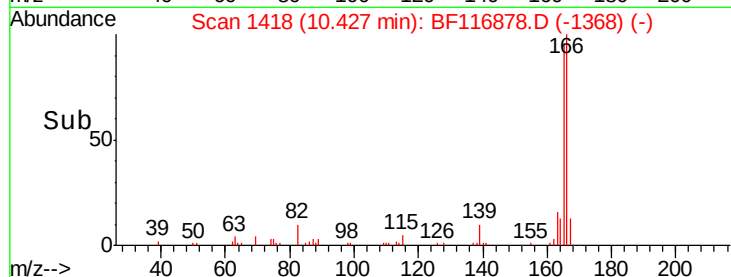
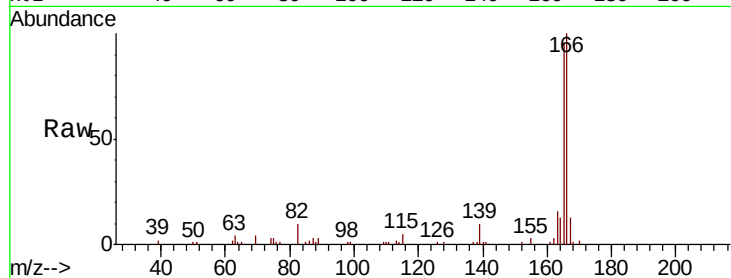
#58
Fluorene
Concen: 5.906 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF116878.D
Acq: 7 Sep 2019 8:10

Instrument :
BNA_F
ClientSampleId :
SB-29-COMPDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		49099		
165	95.8	78.8	118.2		
167	13.2	10.0	15.0		

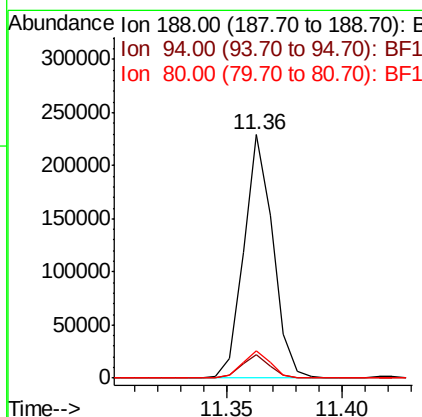
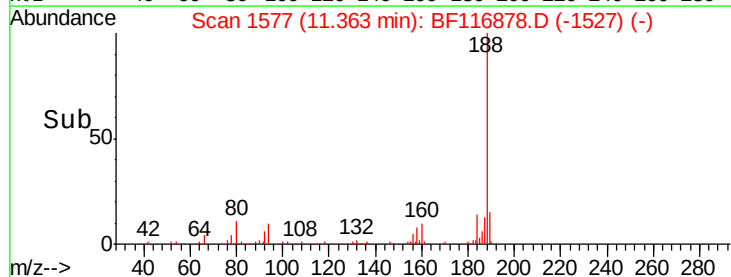
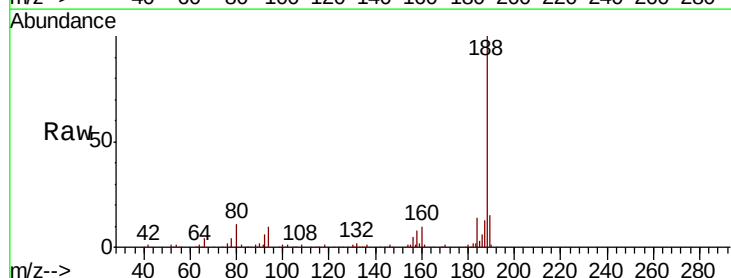
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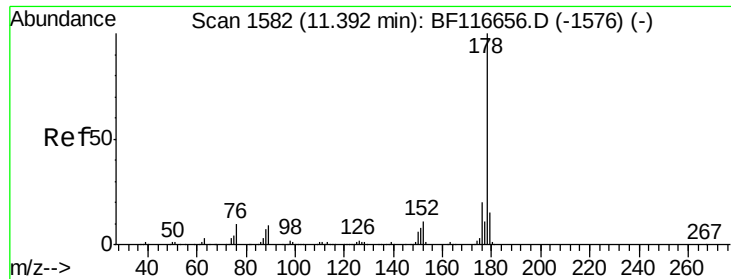
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116878.D
Acq: 7 Sep 2019 8:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		201191		
94	9.7	7.3	10.9		
80	11.0	8.4	12.6		





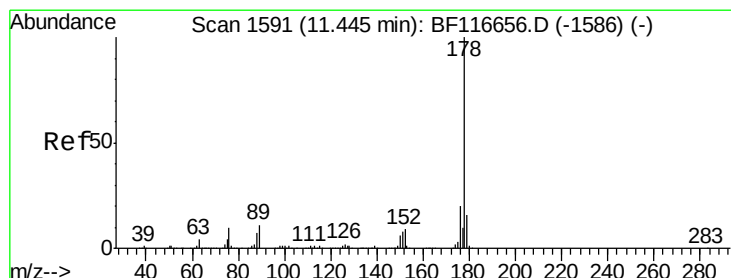
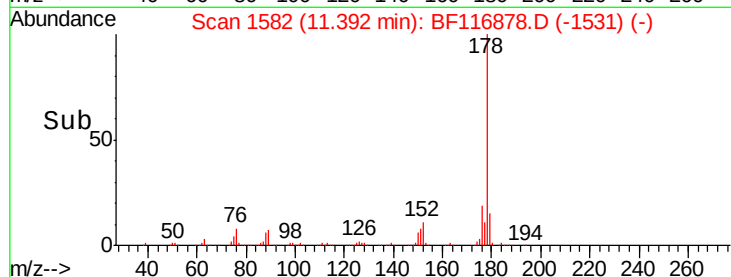
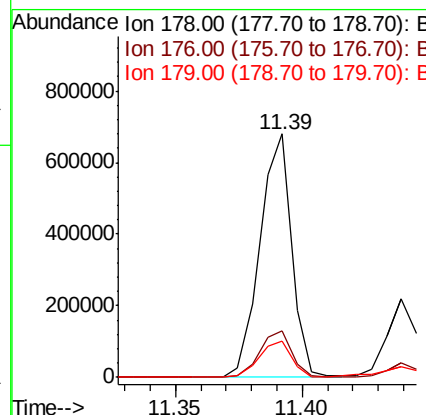
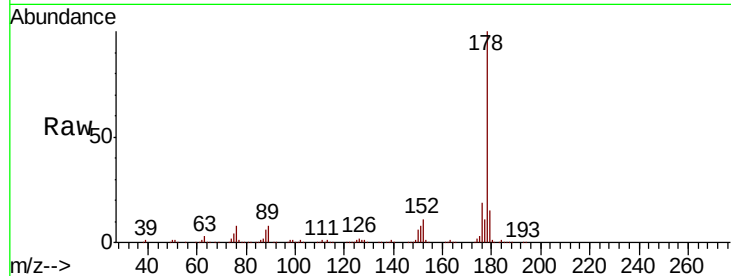
#71
Phenanthrene
Concen: 53.202 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF116878.D
Acq: 7 Sep 2019 8:10

Instrument :
BNA_F
ClientSampleId :
SB-29-COMPDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.1	12.2	18.2

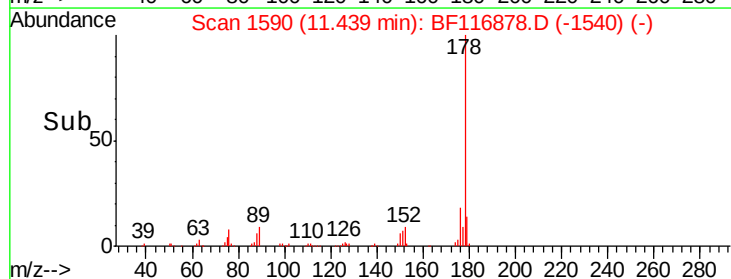
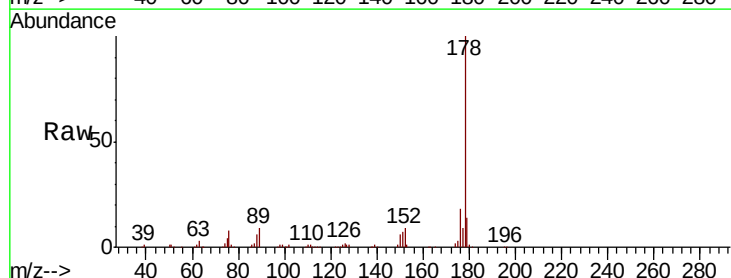
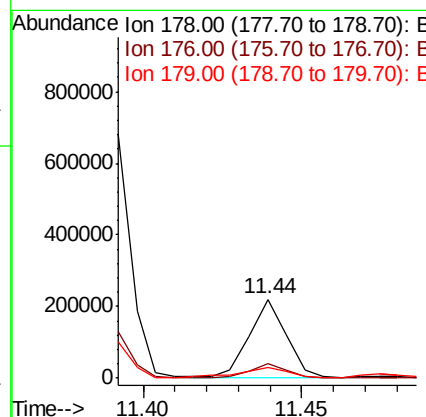
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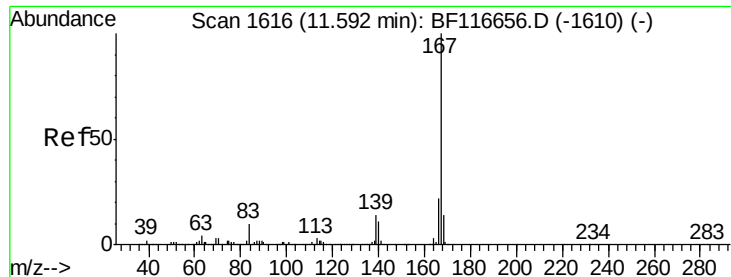
mohammad
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#72
Anthracene
Concen: 15.535 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF116878.D
Acq: 7 Sep 2019 8:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.0
179	14.3	12.5	18.7





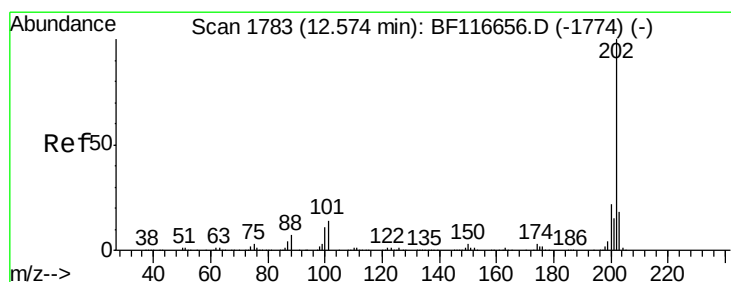
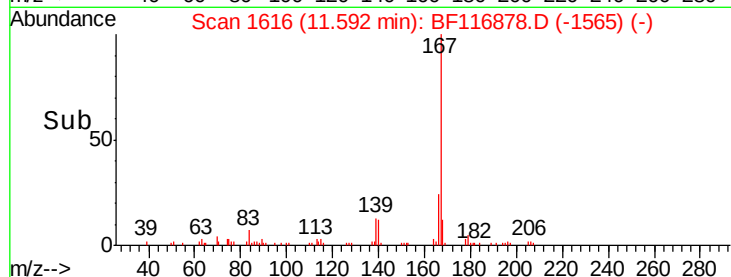
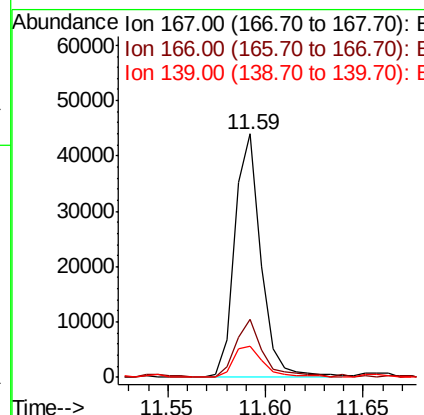
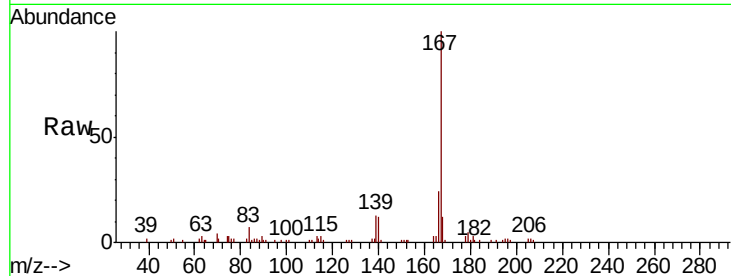
#73
 Carbazole
 Concen: 3.831 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: BF116878.D
 Acq: 7 Sep 2019 8:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-29-COMPDL

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.7	17.8	26.6
139	12.9	11.1	16.7

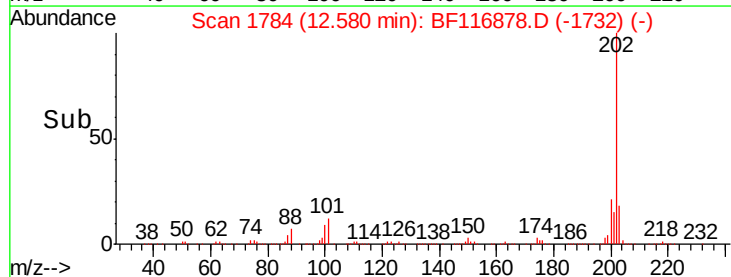
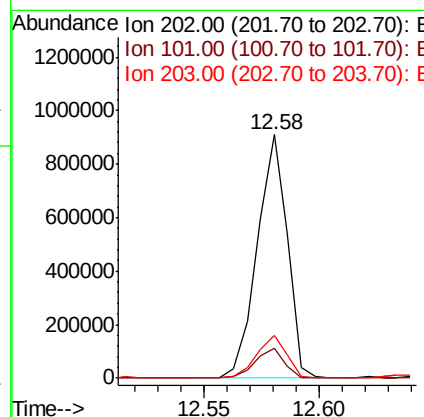
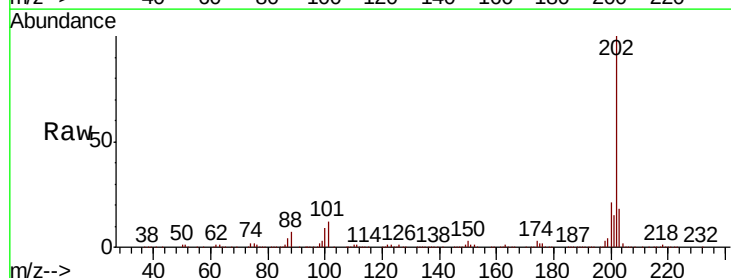
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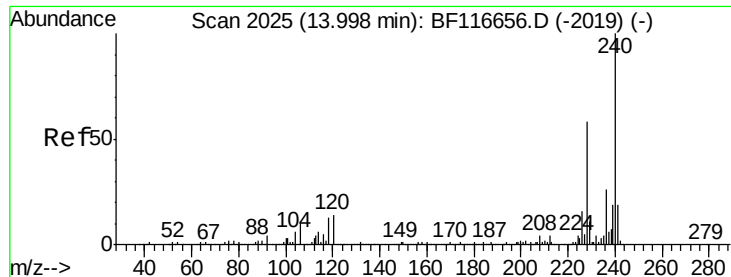
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#75
 Fluoranthene
 Concen: 75.011 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BF116878.D
 Acq: 7 Sep 2019 8:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.3
203	17.6	0.0	37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF116878.D

Acq: 7 Sep 2019 8:10

Instrument :

BNA_F

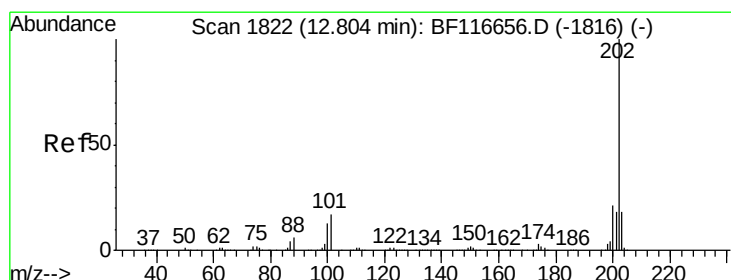
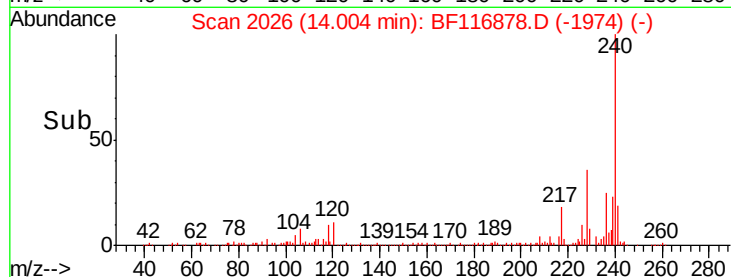
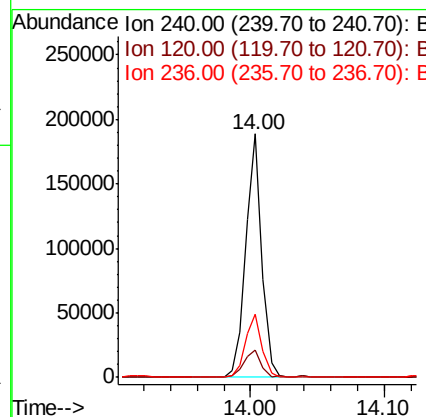
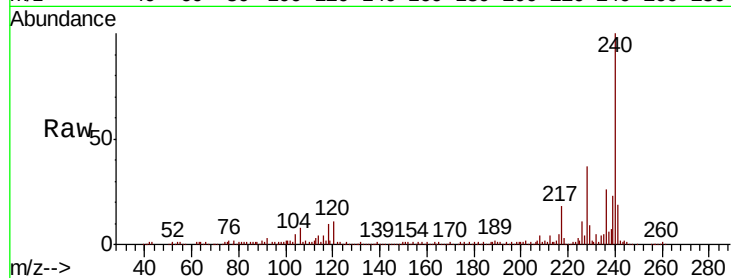
ClientSampleId :

SB-29-COMPDL

Tot Ion:	240	Resp:	157659
Ion Ratio	Lower	Upper	
240	100		
120	11.4	9.1	13.7
236	25.7	21.1	31.7

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#78

Pyrene

Concen: 55.068 ng

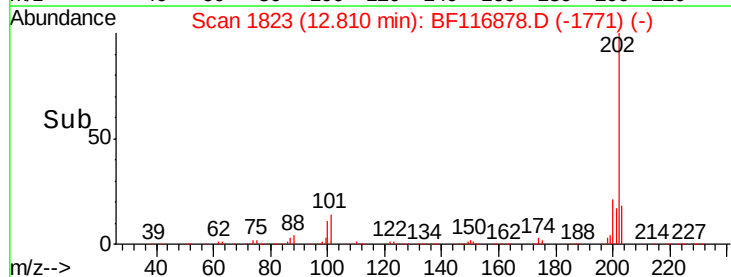
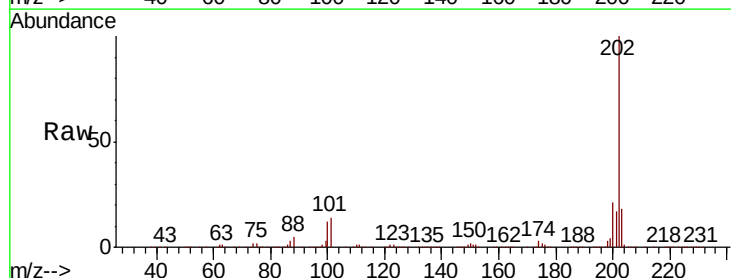
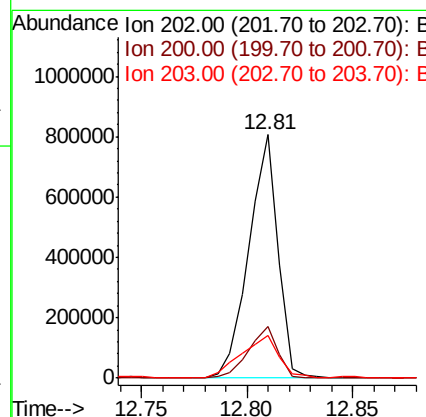
RT: 12.81 min Scan# 1823

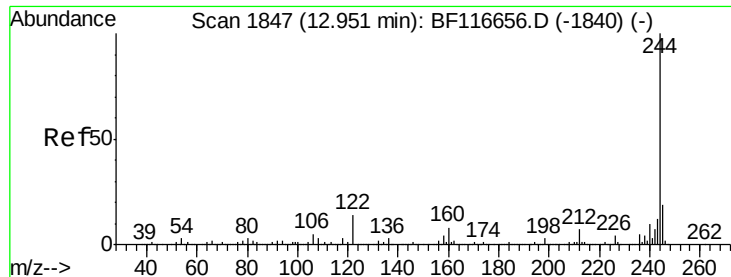
Delta R.T. 0.01 min

Lab File: BF116878.D

Acq: 7 Sep 2019 8:10

Tgt Ion:	202	Resp:	771762
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.5	24.7
203	17.7	13.7	20.5





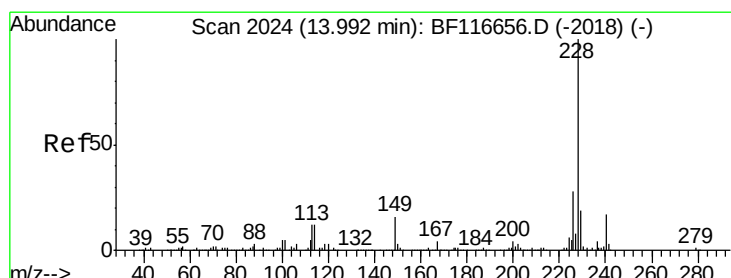
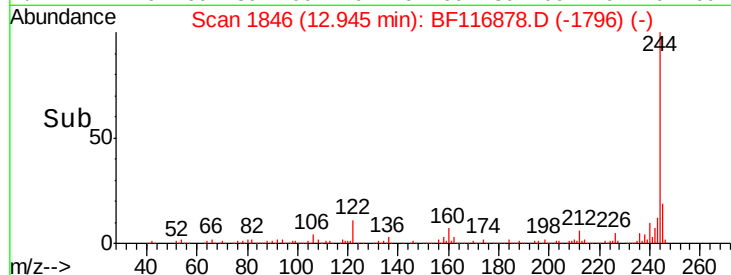
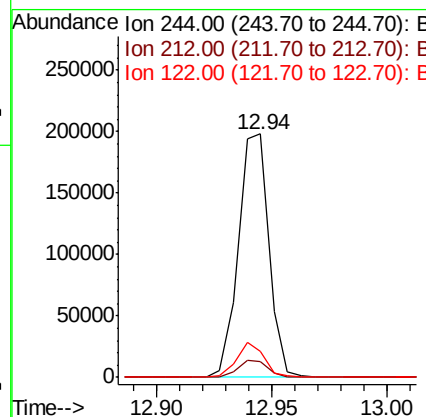
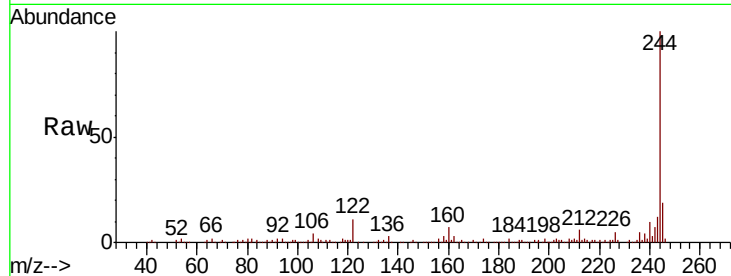
#79
 Terphenyl-d14
 Concen: 21.473 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116878.D
 Acq: 7 Sep 2019 8:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-29-COMPDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.1	9.1
122	10.8	10.2	15.4

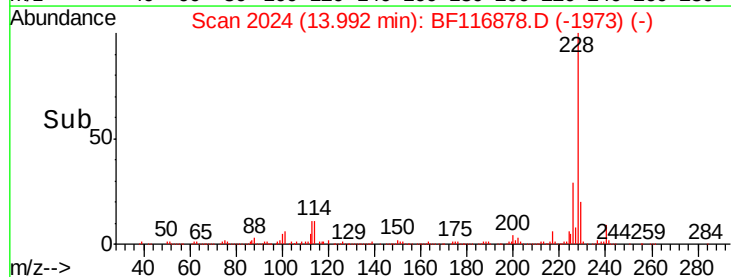
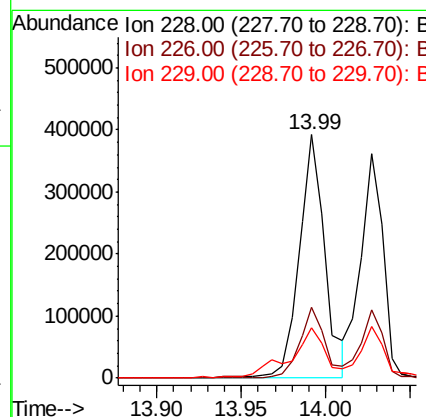
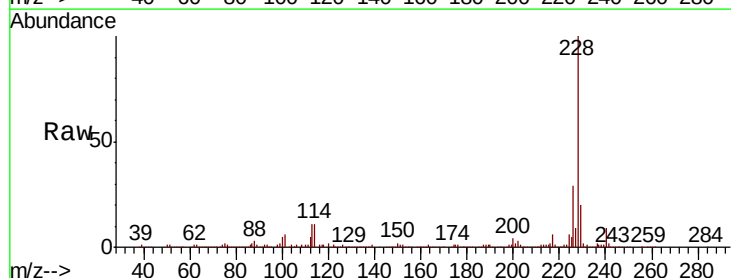
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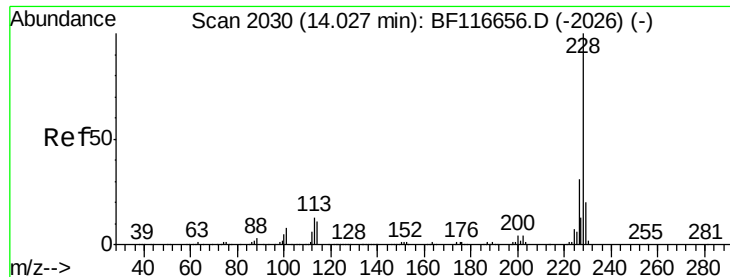
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#81
 Benzo(a)anthracene
 Concen: 41.399 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: BF116878.D
 Acq: 7 Sep 2019 8:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.0	33.0
229	20.5	16.4	24.6





#83

Chrysene

Concen: 32.438 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF116878.D

Acq: 7 Sep 2019 8:10

Instrument :

BNA_F

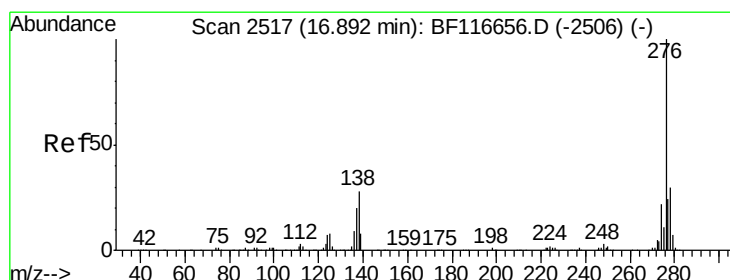
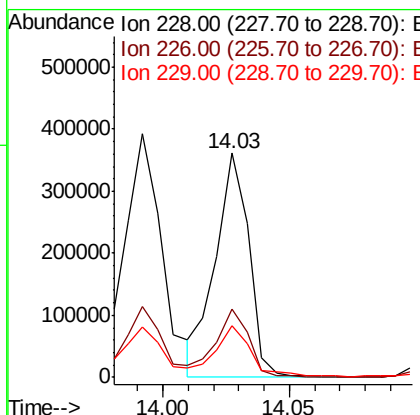
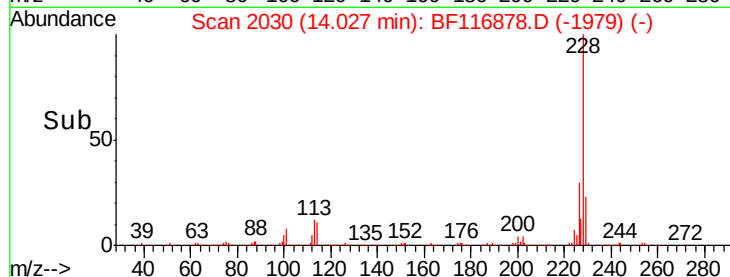
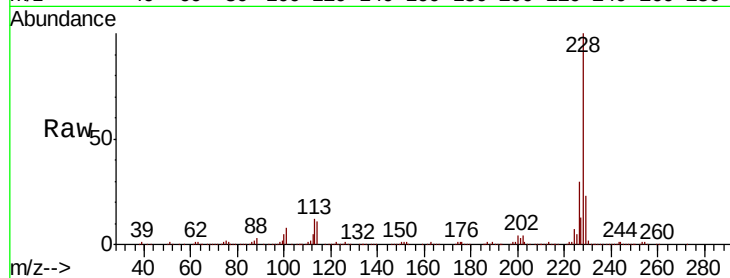
ClientSampleId :

SB-29-COMPDL

Tot Ion:	228	Resp:	333462
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.0	36.0
229	23.1	15.4	23.0

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#86

Indeno(1,2,3-cd)pyrene

Concen: 15.914 ng

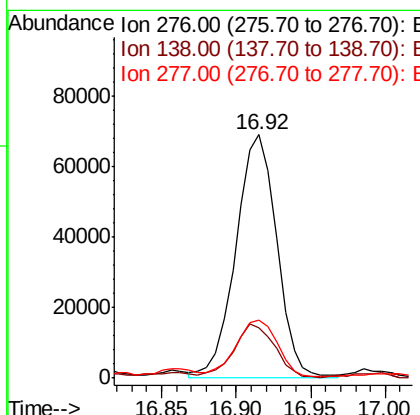
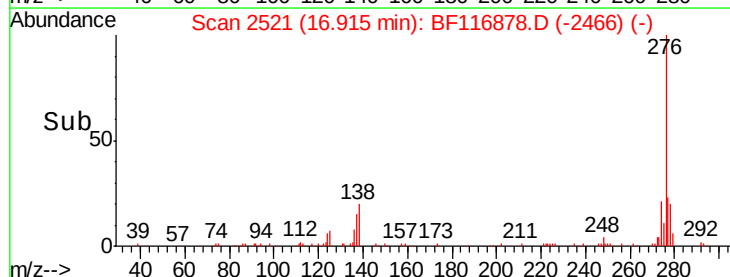
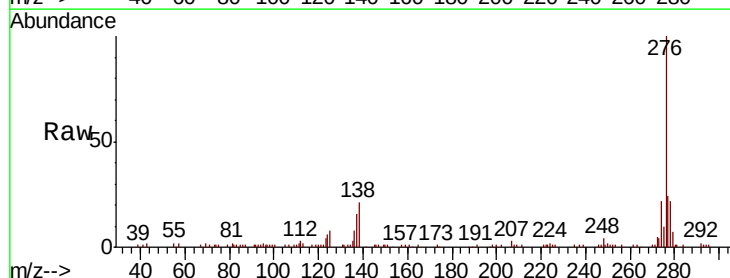
RT: 16.92 min Scan# 2521

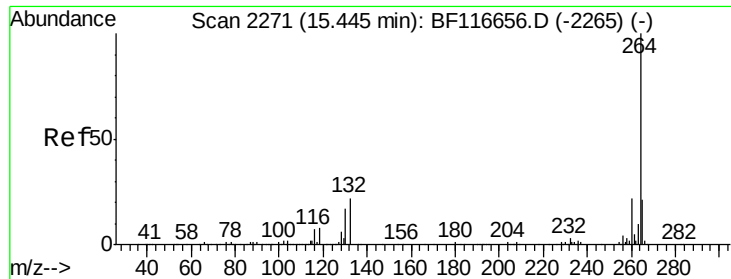
Delta R.T. 0.02 min

Lab File: BF116878.D

Acq: 7 Sep 2019 8:10

Tgt Ion:	276	Resp:	131406
Ion Ratio	Lower	Upper	
276	100		
138	22.3	19.4	29.2
277	23.3	20.5	30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.02 min

Lab File: BF116878.D

Acq: 7 Sep 2019 8:10

Instrument :

BNA_F

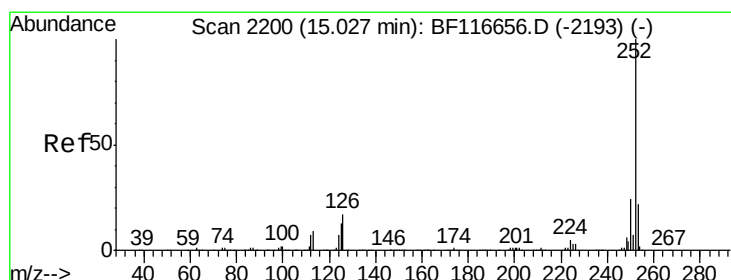
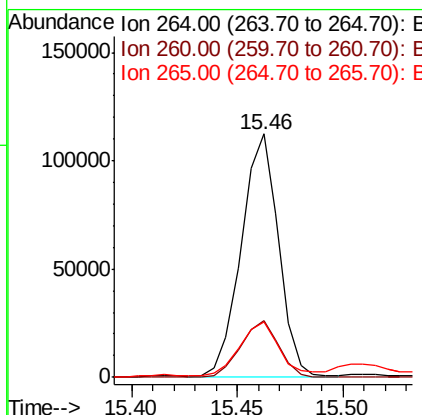
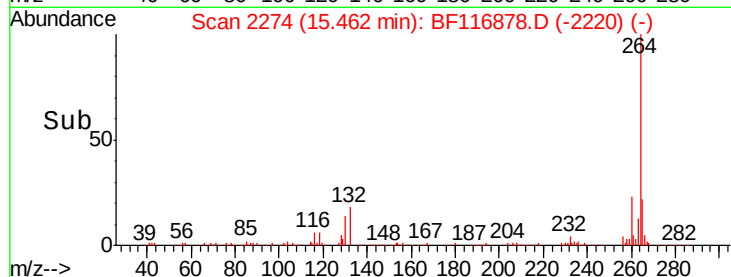
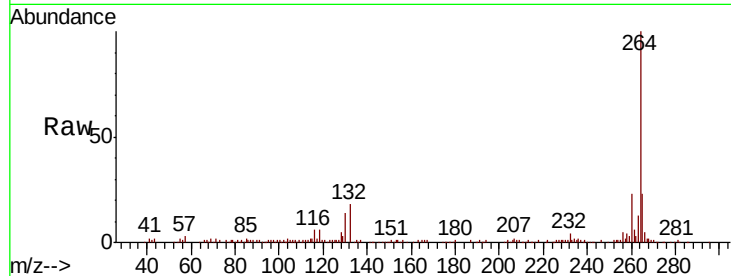
ClientSampleId :

SB-29-COMPDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.3	27.5
265	22.6	16.5	24.7

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#88

Benzo(b)fluoranthene

Concen: 47.273 ng m

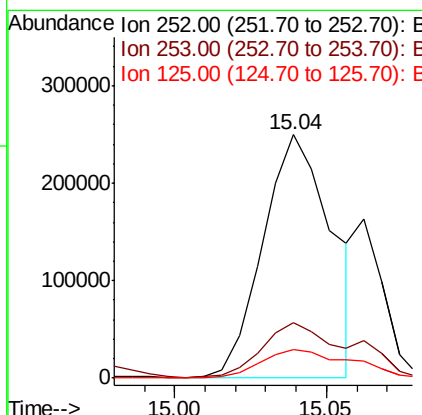
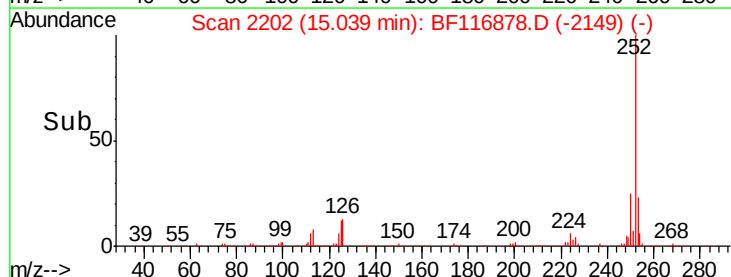
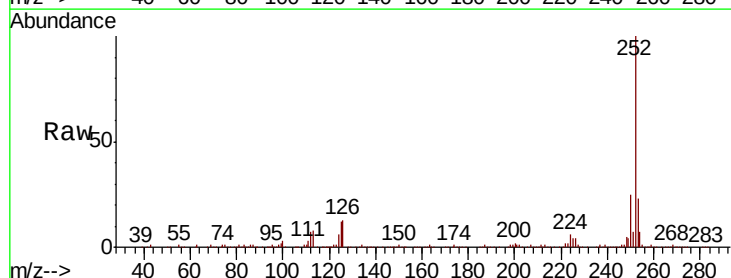
RT: 15.04 min Scan# 2202

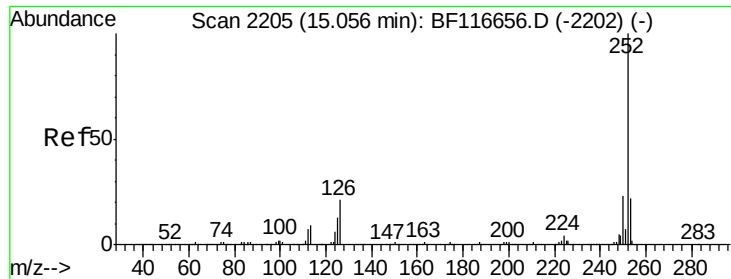
Delta R.T. 0.01 min

Lab File: BF116878.D

Acq: 7 Sep 2019 8:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	12.0	8.2	12.2





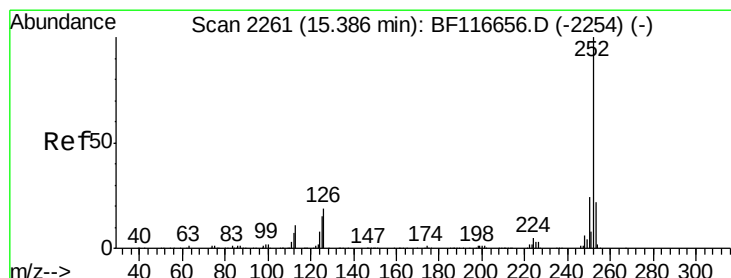
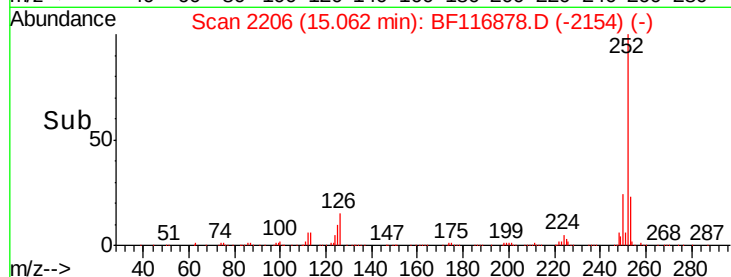
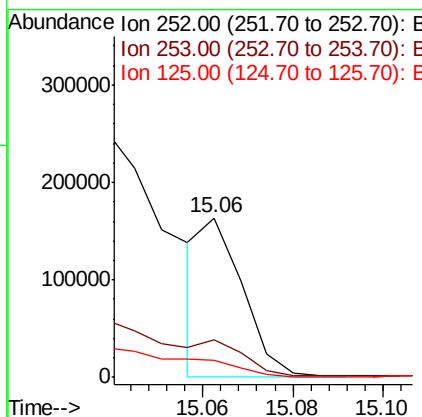
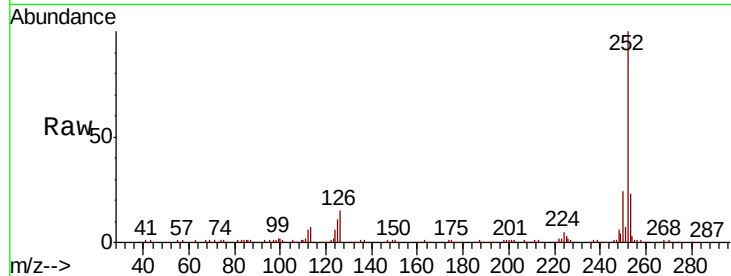
#89
Benzo(k)fluoranthene
Concen: 13.567 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF116878.D
Acq: 7 Sep 2019 8:10

Instrument :
BNA_F
ClientSampleId :
SB-29-COMPDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	10.8	8.6	13.0

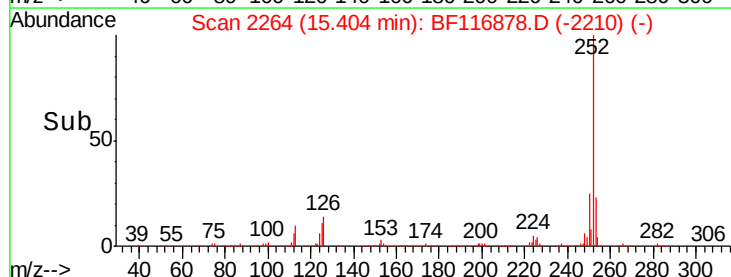
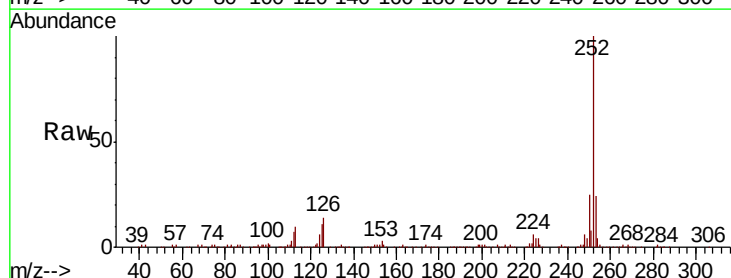
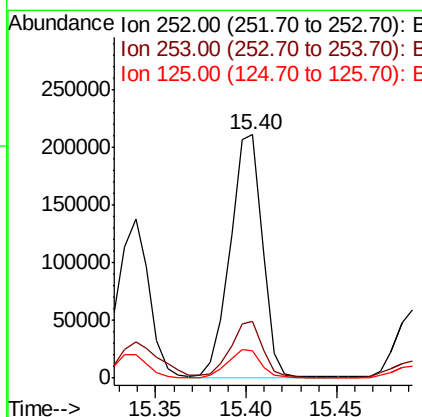
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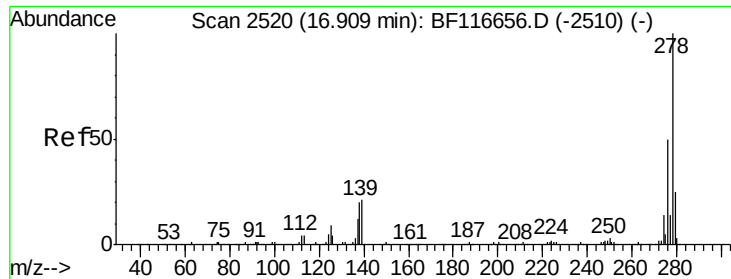
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#90
Benzo(a)pyrene
Concen: 35.831 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.02 min
Lab File: BF116878.D
Acq: 7 Sep 2019 8:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	11.3	9.8	14.8





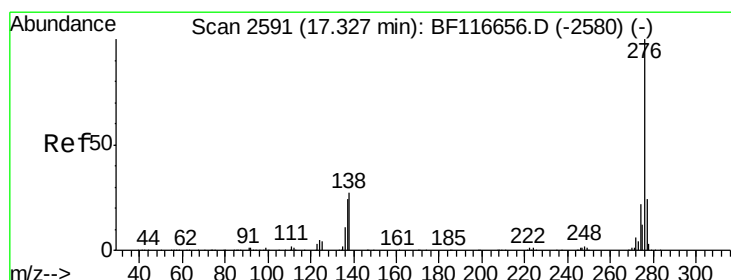
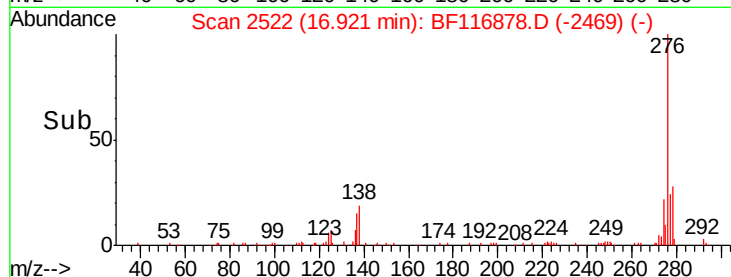
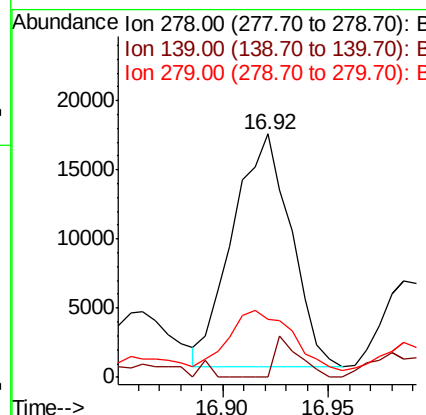
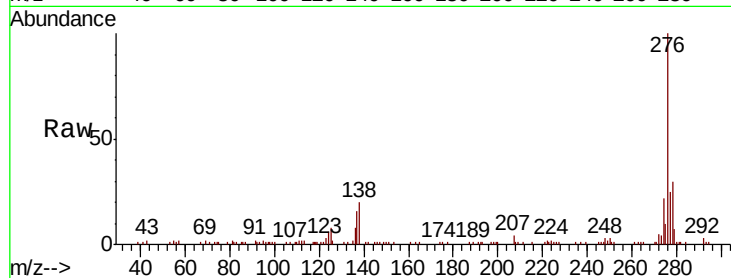
#91
Dibenzo(a,h)anthracene
Concen: 5.027 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.01 min
Lab File: BF116878.D
Acq: 7 Sep 2019 8:10

Instrument :
BNA_F
ClientSampleId :
SB-29-COMPDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.4	18.6
279	24.0	18.2	27.4

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#92
Benzo(g,h,i)perylene
Concen: 17.885 ng
RT: 17.36 min Scan# 2596
Delta R.T. 0.03 min
Lab File: BF116878.D
Acq: 7 Sep 2019 8:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.5	27.7
138	23.3	16.2	24.2

