

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
 Data File : BF113512.D
 Acq On : 2 Apr 2019 18:18
 Operator : JU/SJ
 Sample : K2190-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VN-SP-2

Manual Integrations
 APPROVED

Sohil
 4/3/2019 12:42:34 PM

Quant Time: Apr 03 07:55:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	138493	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	516439	20.00	ng	-0.01
39) Acenaphthene-d10	9.72	164	247504	20.00	ng	-0.02
64) Phenanthrene-d10	11.20	188	467154	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	322774	20.00	ng	-0.01
87) Perylene-d12	15.24	264	378522	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	666594	78.70	ng	-0.01
7) Phenol-d6	6.34	99	894829	83.51	ng	-0.02
23) Nitrobenzene-d5	7.26	82	529905	60.90	ng	-0.01
42) 2,4,6-Tribromophenol	10.51	330	263330	86.13	ng	-0.02
45) 2-Fluorobiphenyl	9.05	172	1001797	57.80	ng	-0.02
79) Terphenyl-d14	12.78	244	903088	61.67	ng	-0.02
Target Compounds						
49) Acenaphthylene	9.58	152	219711	8.538	ng	98
50) Dimethylphthalate	9.44	163	64170	3.499	ng	99
71) Phenanthrene	11.22	178	285175	12.293	ng	99
72) Anthracene	11.27	178	60262	2.557	ng	98
75) Fluoranthene	12.41	202	855005	32.601	ng	99
78) Pyrene	12.64	202	1229215	54.956	ng	100
81) Benzo(a)anthracene	13.82	228	423213m	22.906	ng	
83) Chrysene	13.86	228	388160	20.683	ng	99
86) Indeno(1,2,3-cd)pyrene	16.59	276	373385	23.183	ng	96
88) Benzo(b)fluoranthene	14.84	252	578298m	24.594	ng	
89) Benzo(k)fluoranthene	14.86	252	159012m	7.701	ng	
90) Benzo(a)pyrene	15.18	252	507052	24.324	ng	99
91) Dibenzo(a,h)anthracene	16.59	278	68340m	3.792	ng	
92) Benzo(g,h,i)perylene	17.00	276	451939	24.867	ng	99

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

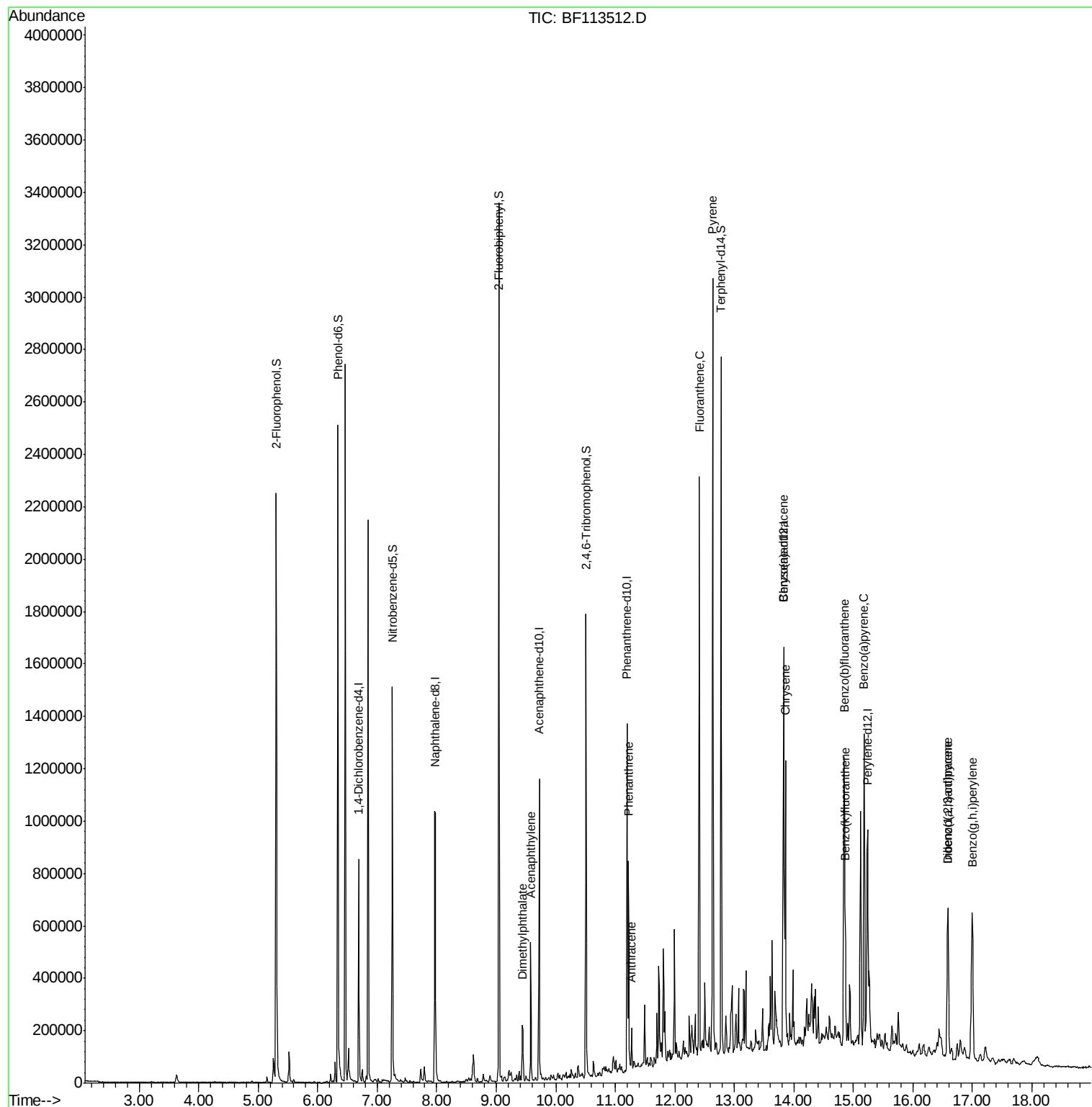
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113512.D
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
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#1

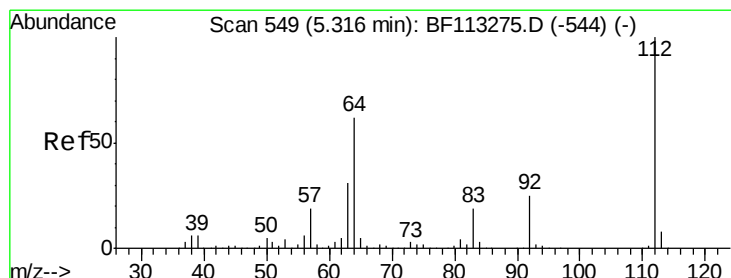
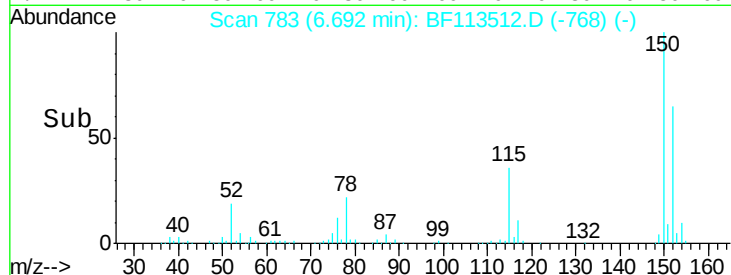
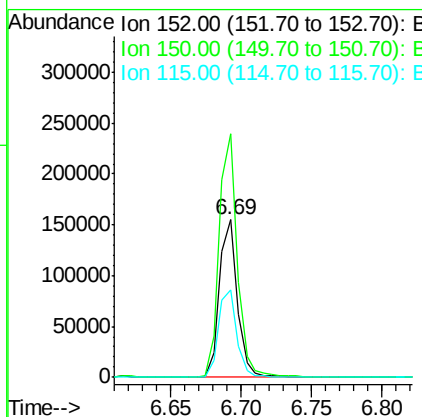
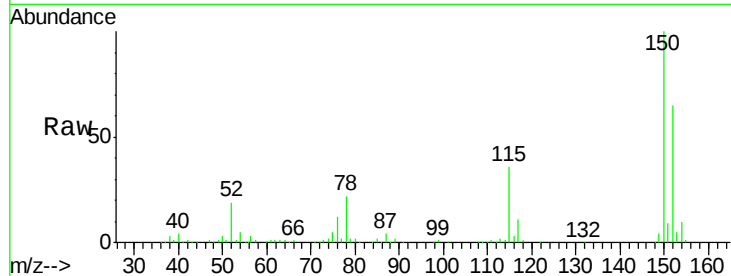
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF113512.D
Acq: 2 Apr 2019 18:18

Instrument :
BNA_F
ClientSampleId :
VN-SP-2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.7	187.1
115	55.3	46.0	69.0

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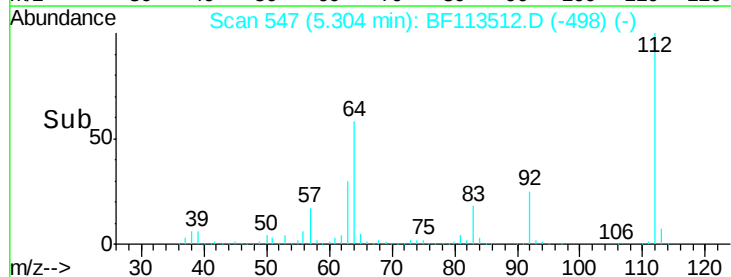
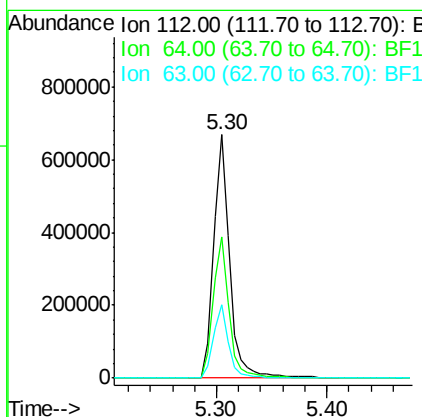
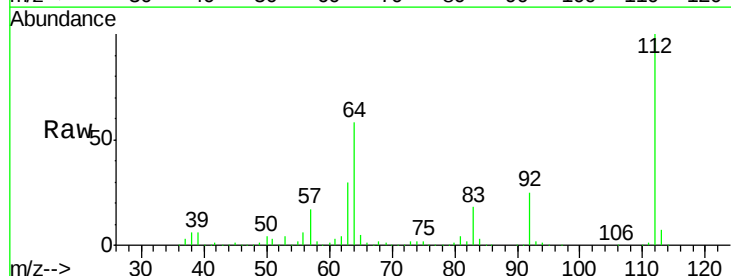
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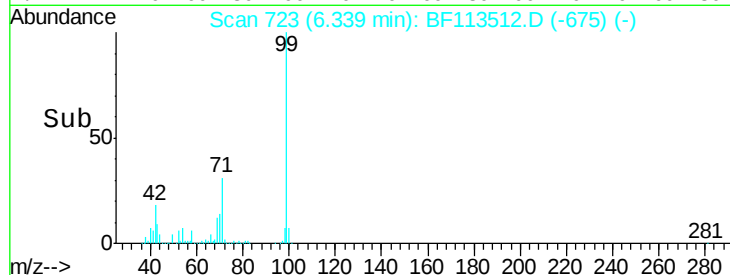
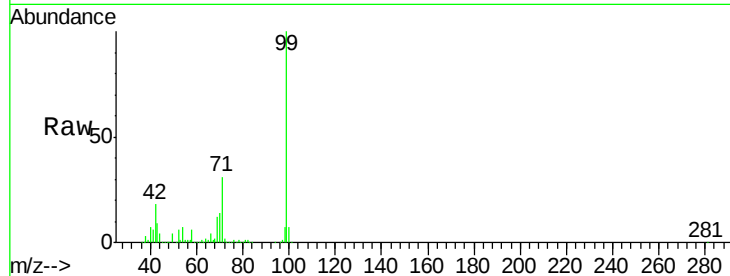


#5

2-Fluorophenol
Concen: 78.702 ng
RT: 5.30 min Scan# 547
Delta R.T. -0.01 min
Lab File: BF113512.D
Acq: 2 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	49.2	73.8
63	30.0	24.9	37.3





#7

Phenol-d6

Concen: 83.513 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF113512.D

Acq: 2 Apr 2019 18:18

Tgt Ion:	99	Resp:	894829
Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.8	22.2
71	31.4	24.9	37.3

Instrument :

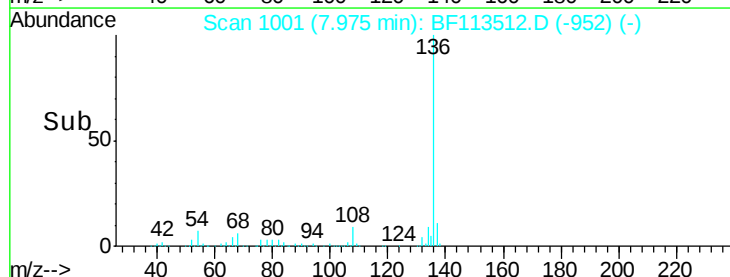
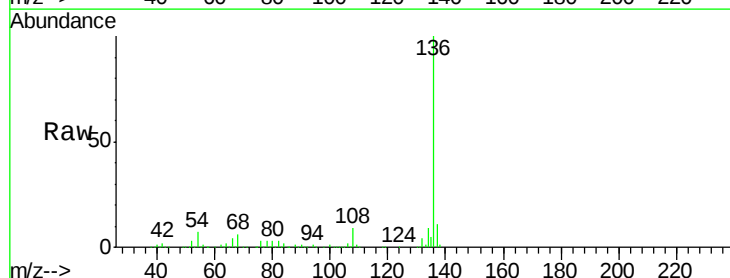
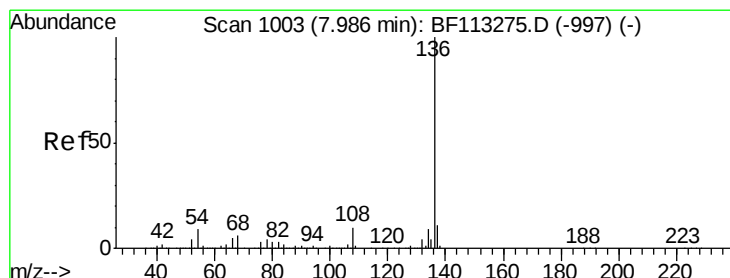
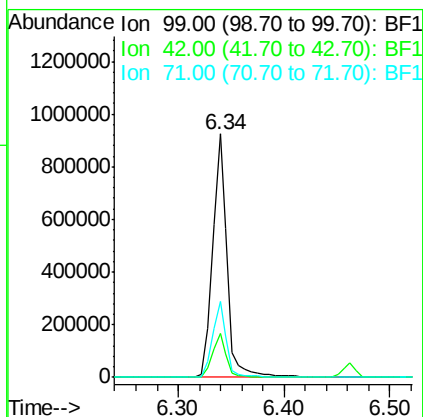
BNA_F

ClientSampleId :

VN-SP-2

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#21

Naphthalene-d8

Concen: 20.000 ng

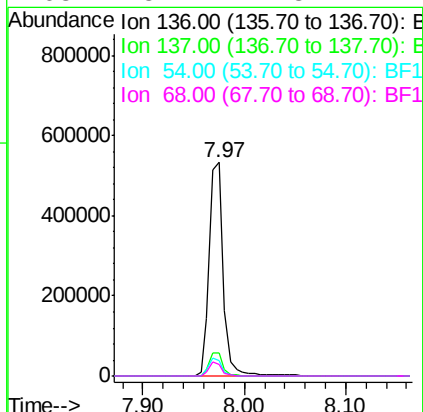
RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF113512.D

Acq: 2 Apr 2019 18:18

Tgt Ion:	136	Resp:	516439
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.2	7.0	10.6
68	5.7	4.8	7.2





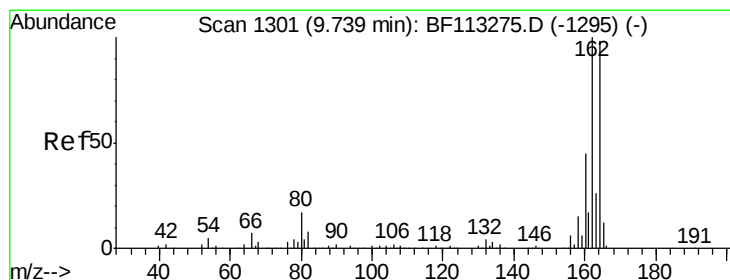
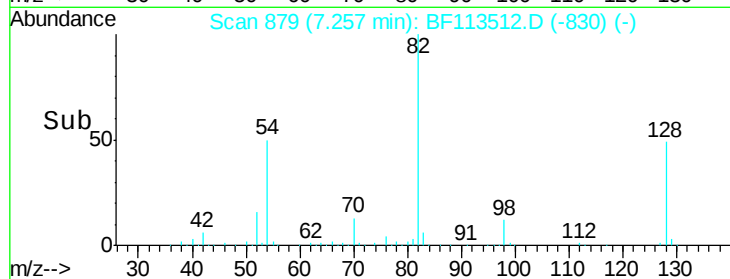
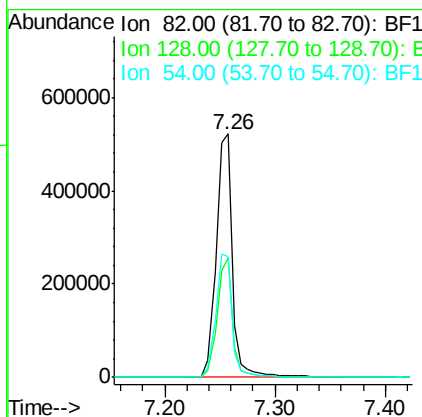
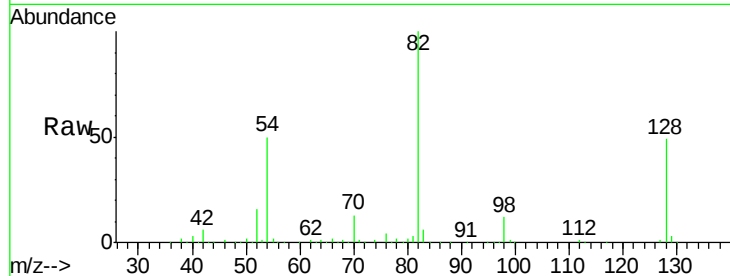
#23
 Nitrobenzene-d5
 Concen: 60.902 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF113512.D
 Acq: 2 Apr 2019 18:18

Instrument :
 BNA_F
 ClientSampled :
 VN-SP-2

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	529905		
128	48.8	36.5	54.7	
54	49.5	42.2	63.2	

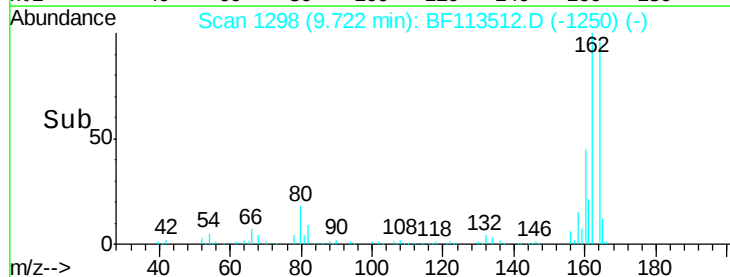
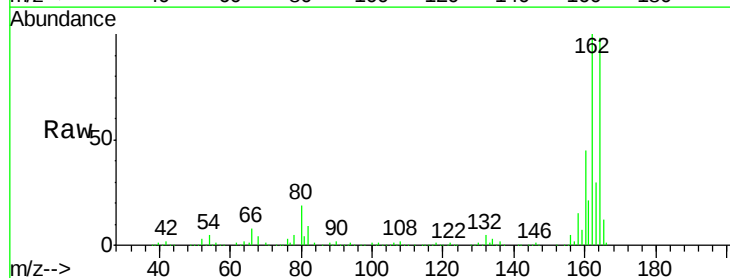
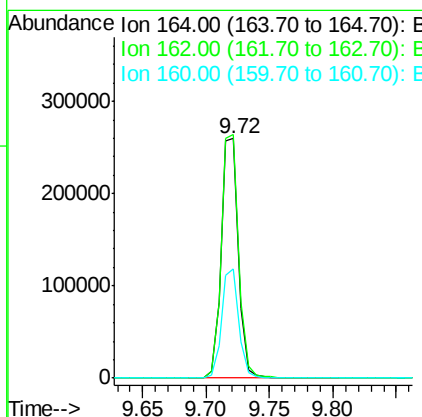
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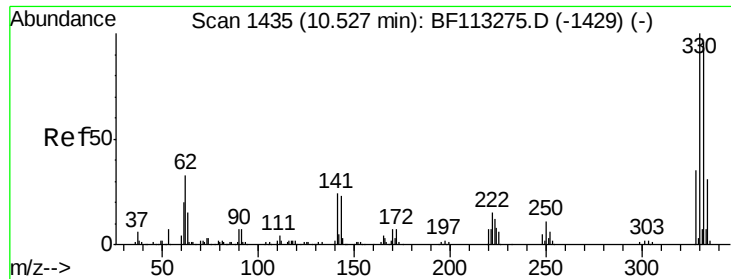
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 4/3/2019 12:42:34 PM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BF113512.D
 Acq: 2 Apr 2019 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	247504		
162	101.7	81.8	122.6	
160	45.8	36.4	54.6	





#42

2,4,6-Tribromophenol

Concen: 86.133 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.02 min

Lab File: BF113512.D

Acq: 2 Apr 2019 18:18

Instrument :

BNA_F

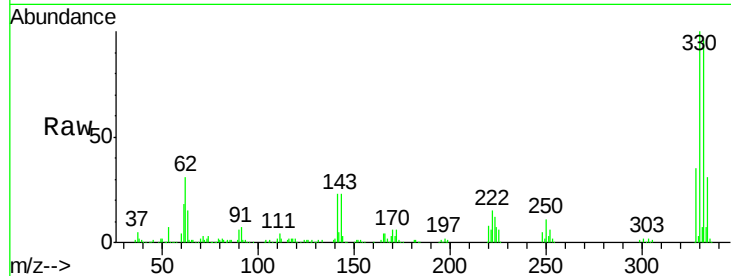
ClientSampleId :

VN-SP-2

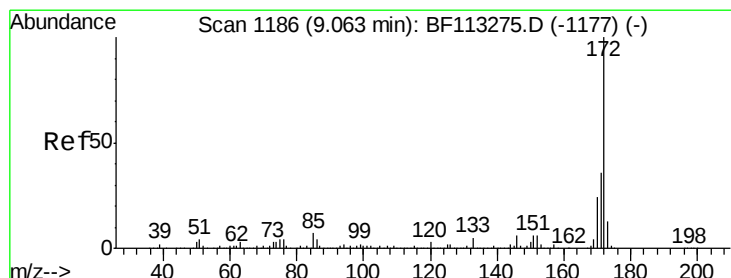
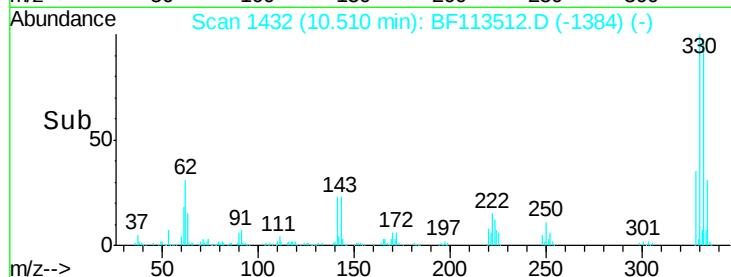
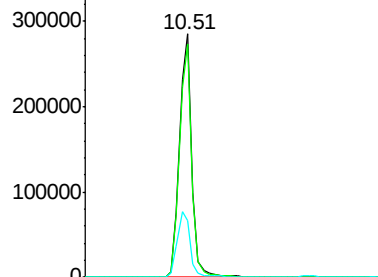
Tgt Ion:	330	Resp:	263330
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.8	116.6
141	28.2	22.7	34.1

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 57.796 ng

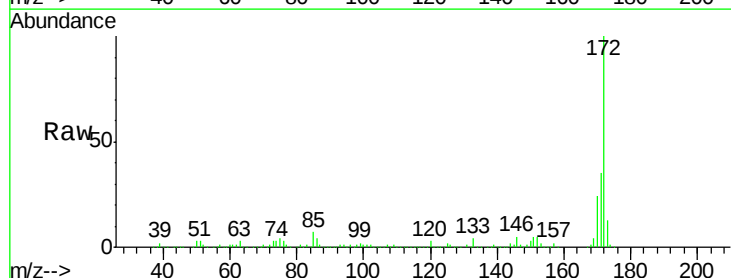
RT: 9.05 min Scan# 1183

Delta R.T. -0.02 min

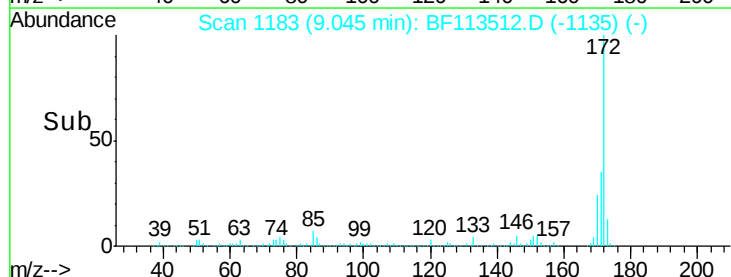
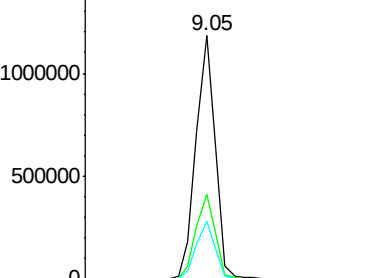
Lab File: BF113512.D

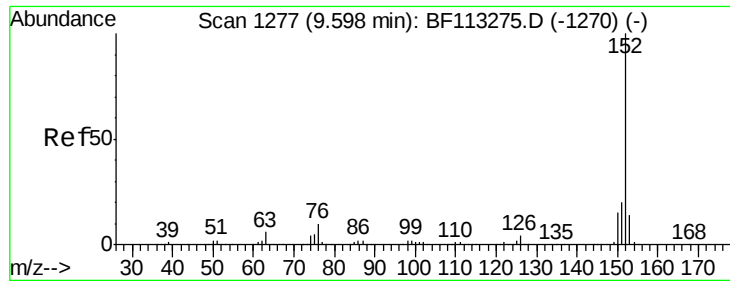
Acq: 2 Apr 2019 18:18

Tgt Ion:	172	Resp:	1001797
Ion Ratio	Lower	Upper	
172	100		
171	34.7	29.0	43.6
170	24.1	19.5	29.3



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 8.538 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.02 min

Lab File: BF113512.D

Acq: 2 Apr 2019 18:18

Instrument :

BNA_F

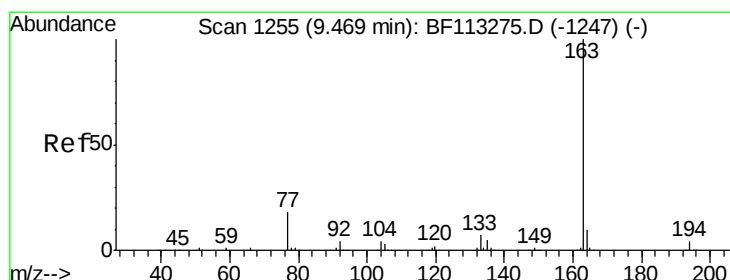
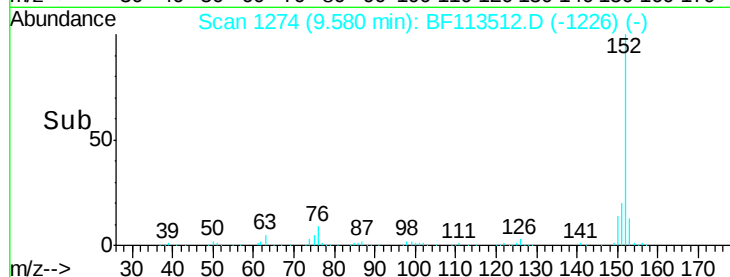
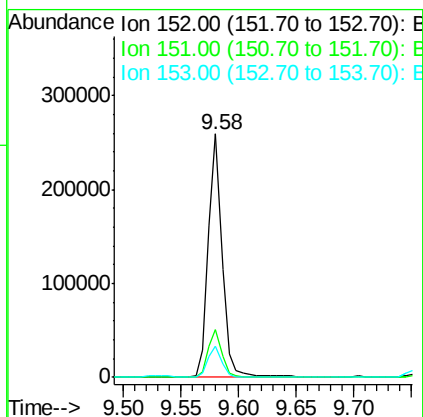
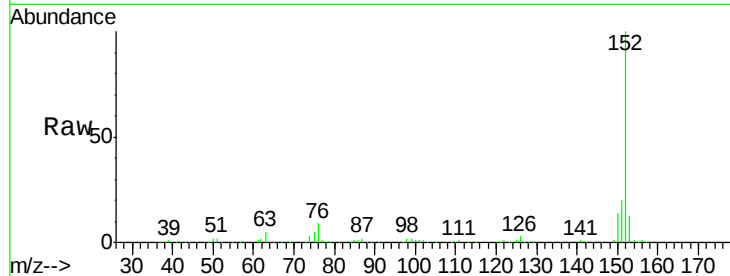
ClientSampleId :

VN-SP-2

Tgt Ion:	152	Resp:	219711
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.2	24.4
153	13.0	11.0	16.6

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#50

Dimethylphthalate

Concen: 3.499 ng

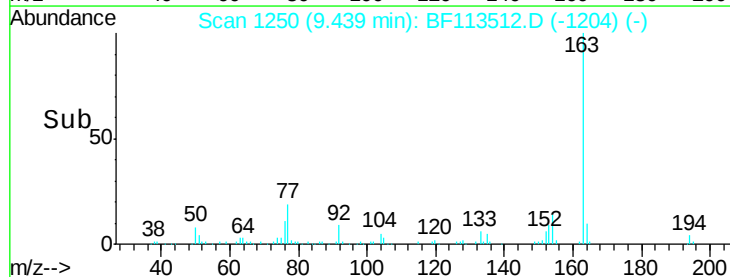
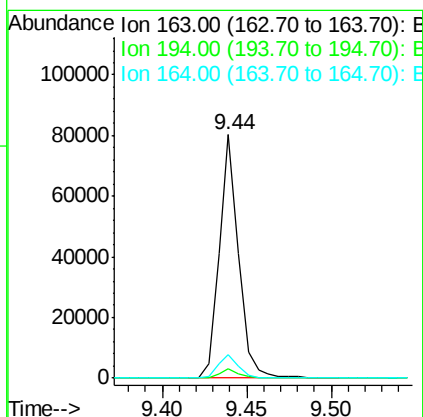
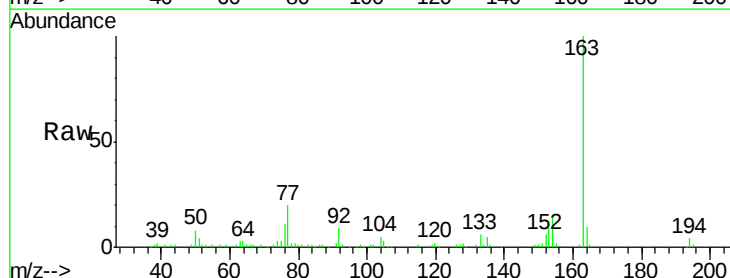
RT: 9.44 min Scan# 1250

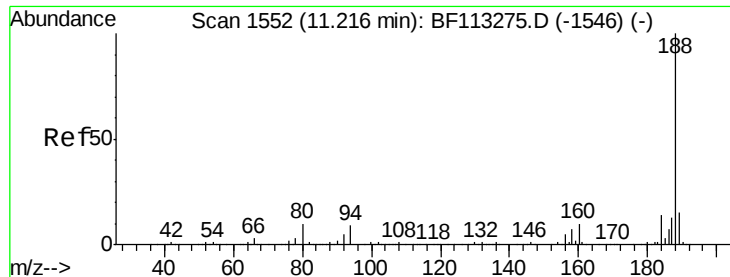
Delta R.T. -0.03 min

Lab File: BF113512.D

Acq: 2 Apr 2019 18:18

Tgt Ion:	163	Resp:	64170
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.0	4.6
164	9.8	8.1	12.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BF113512.D

Acq: 2 Apr 2019 18:18

Instrument :

BNA_F

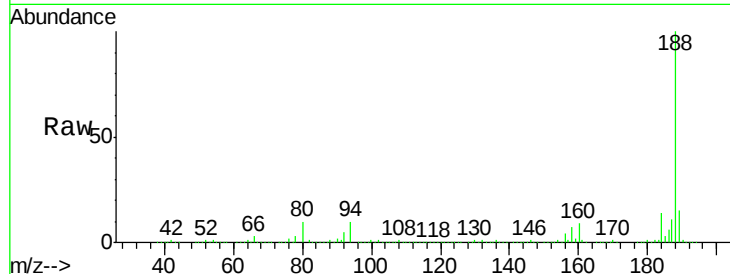
ClientSampleId :

VN-SP-2

Tgt Ion:	188	Resp:	467154
Ion Ratio	Lower	Upper	
188	100		
94	9.6	7.0	10.6
80	9.7	7.7	11.5

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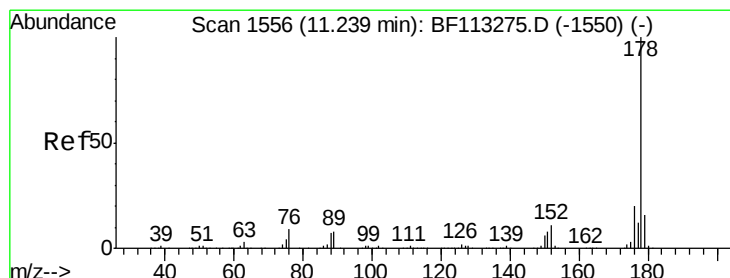
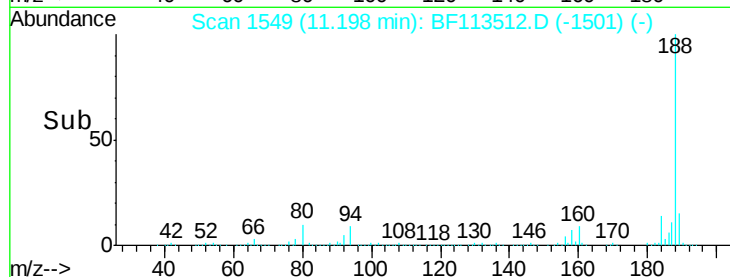
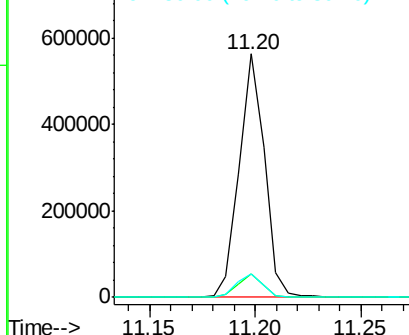
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 12.293 ng

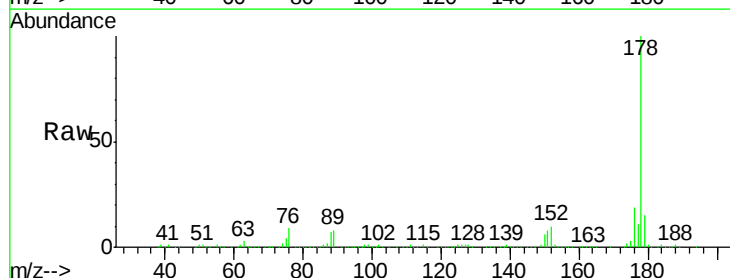
RT: 11.22 min Scan# 1553

Delta R.T. -0.02 min

Lab File: BF113512.D

Acq: 2 Apr 2019 18:18

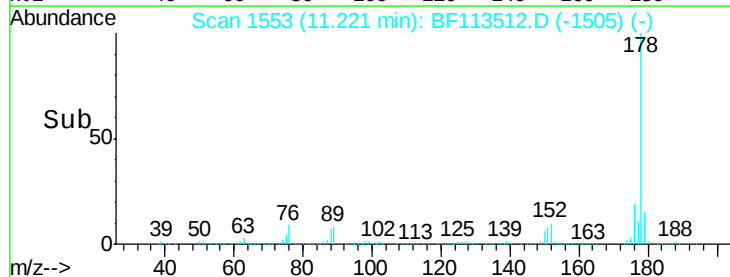
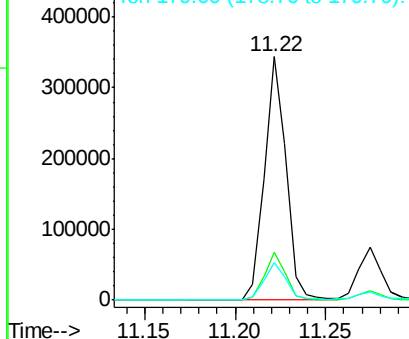
Tgt Ion:	178	Resp:	285175
Ion Ratio	Lower	Upper	
178	100		
176	19.4	16.2	24.2
179	15.5	12.7	19.1

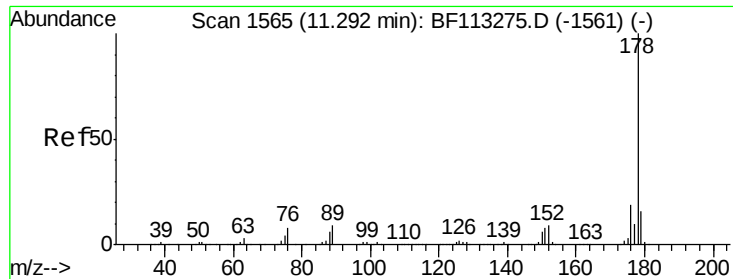


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.557 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF113512.D

Acq: 2 Apr 2019 18:18

Instrument :

BNA_F

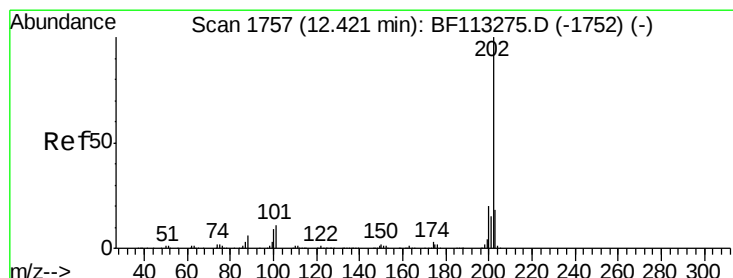
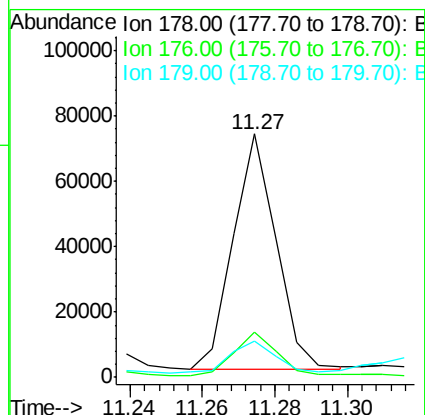
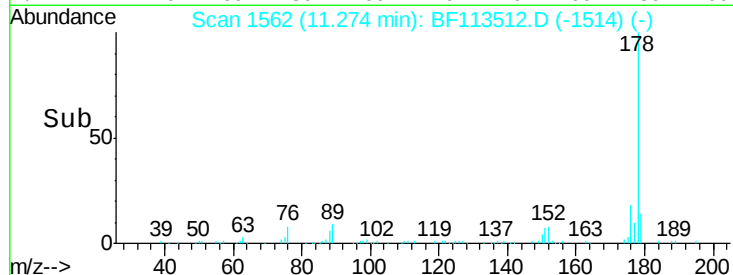
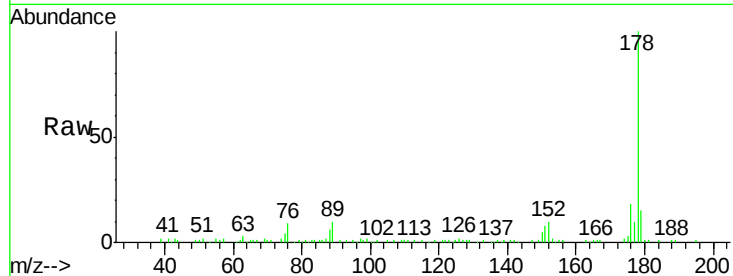
ClientSampled :

VN-SP-2

Tgt Ion:	178	Resp:	60262
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.4	23.2
179	15.0	12.8	19.2

Manual Integrations
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#75

Fluoranthene

Concen: 32.601 ng

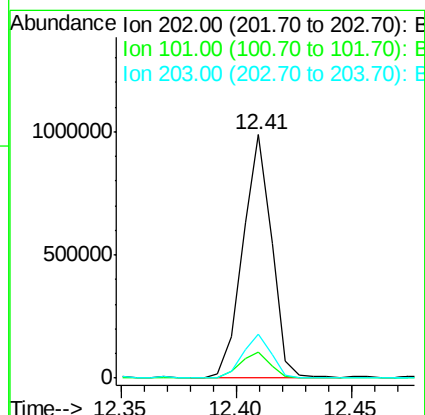
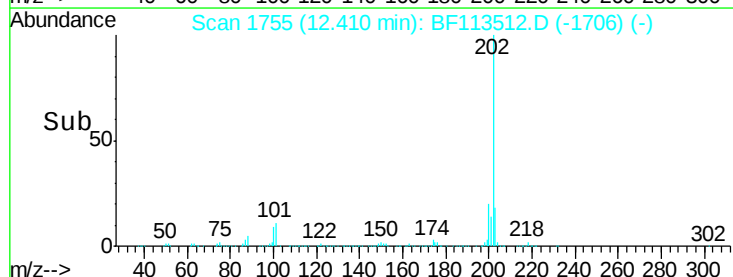
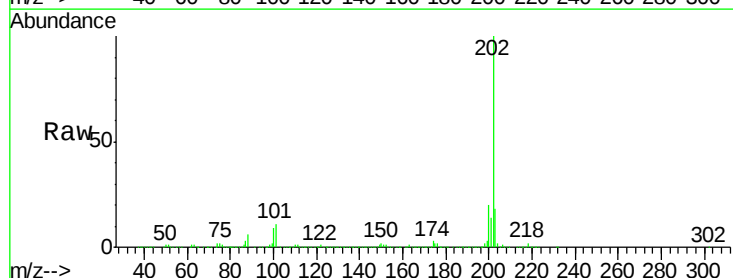
RT: 12.41 min Scan# 1755

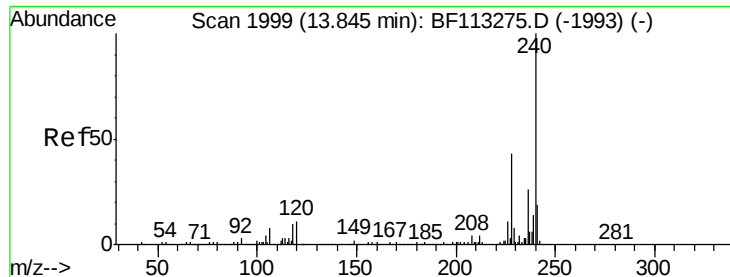
Delta R.T. -0.01 min

Lab File: BF113512.D

Acq: 2 Apr 2019 18:18

Tgt Ion:	202	Resp:	855005
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	31.4
203	18.0	0.0	38.0





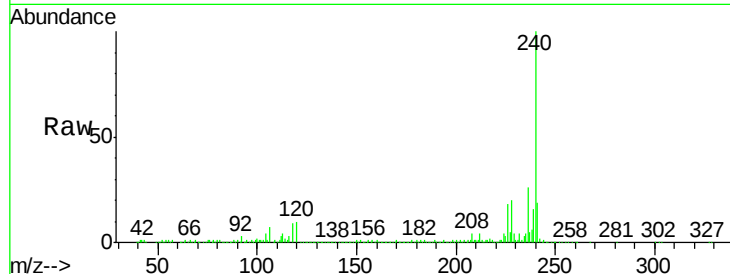
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF113512.D
Acq: 2 Apr 2019 18:18

Instrument :
BNA_F
ClientSampleId :
VN-SP-2

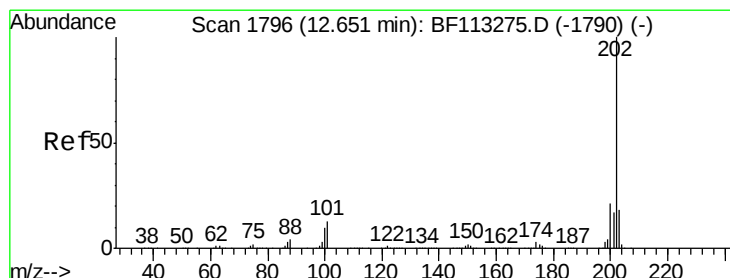
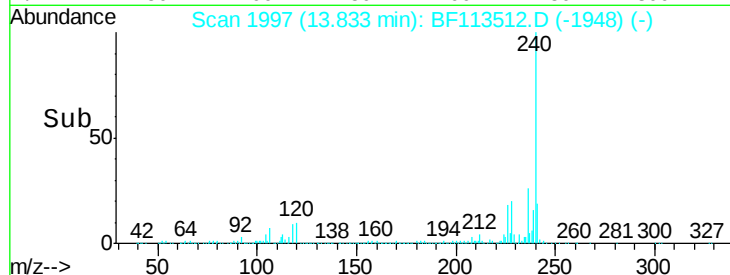
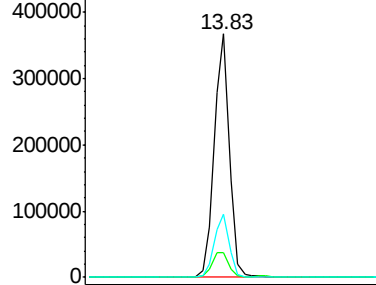
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	322774		
120	10.1	8.8	13.2	
236	26.1	20.9	31.3	

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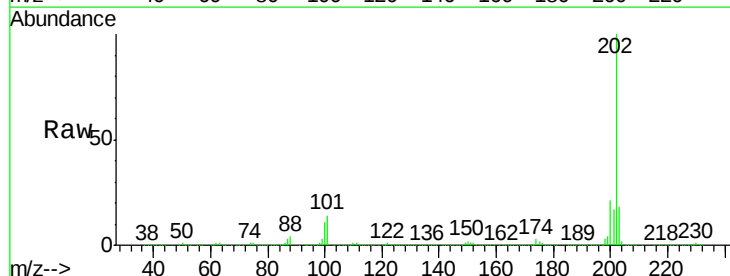


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

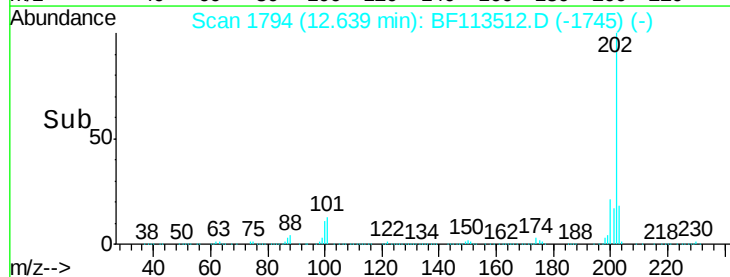
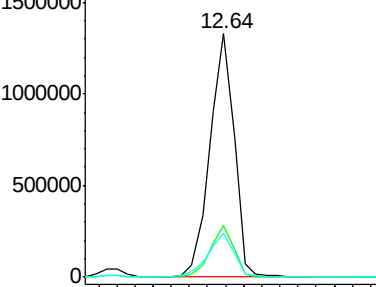


#78
Pyrene
Concen: 54.956 ng
RT: 12.64 min Scan# 1794
Delta R.T. -0.01 min
Lab File: BF113512.D
Acq: 2 Apr 2019 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1229215		
200	21.0	16.8	25.2	
203	18.0	14.4	21.6	



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





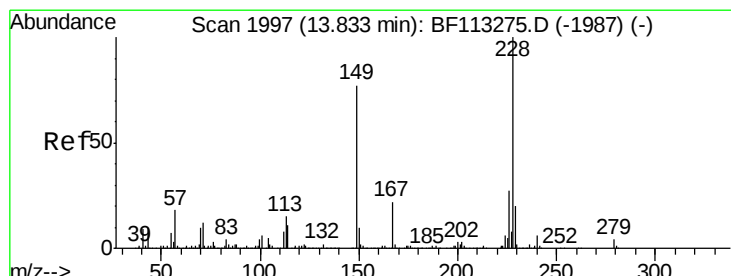
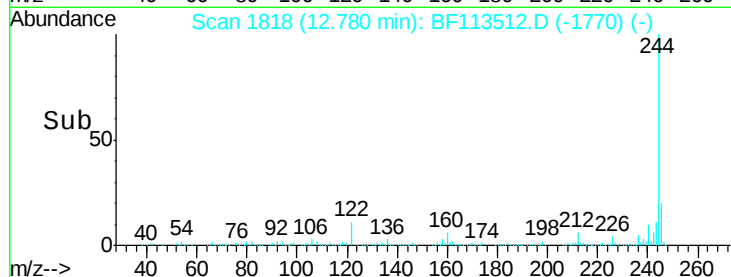
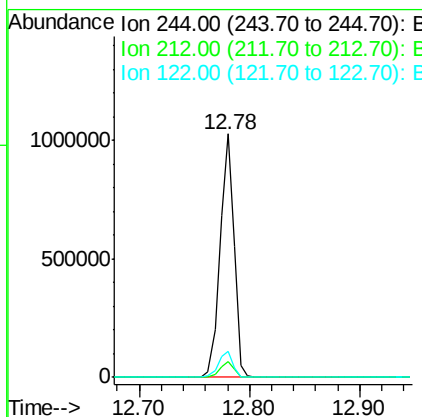
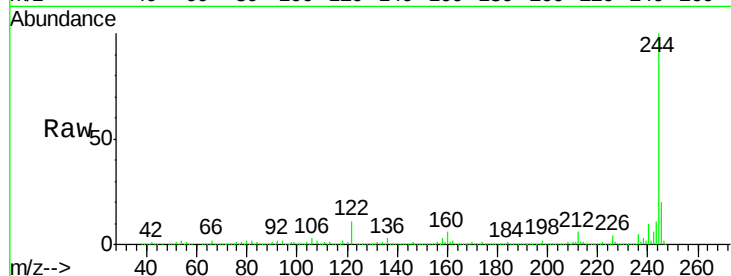
#79
 Terphenyl-d14
 Concen: 61.670 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BF113512.D
 Acq: 2 Apr 2019 18:18

Instrument :
 BNA_F
 ClientSampleId :
 VN-SP-2

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.5	8.3
122	10.8	8.6	13.0

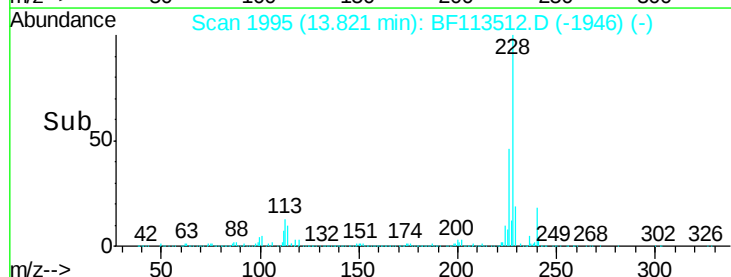
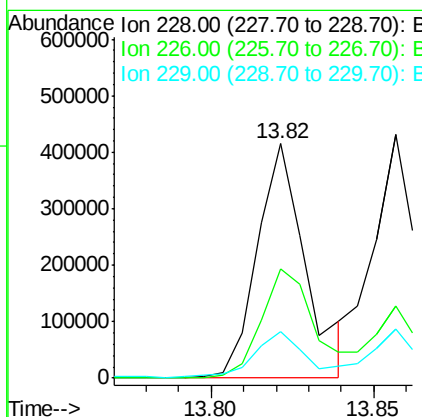
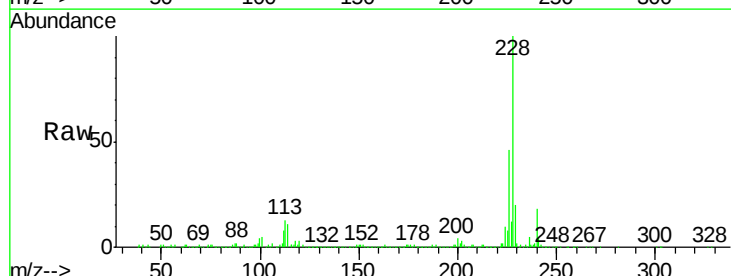
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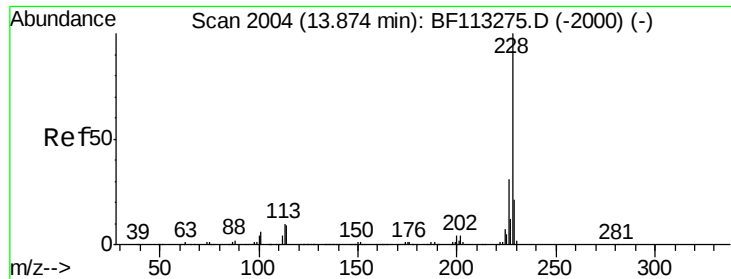
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#81
 Benzo(a)anthracene
 Concen: 22.906 ng m
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.01 min
 Lab File: BF113512.D
 Acq: 2 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	46.5	21.8	32.8#
229	20.1	16.2	24.4





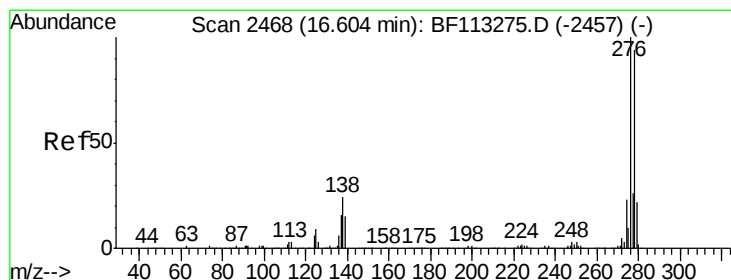
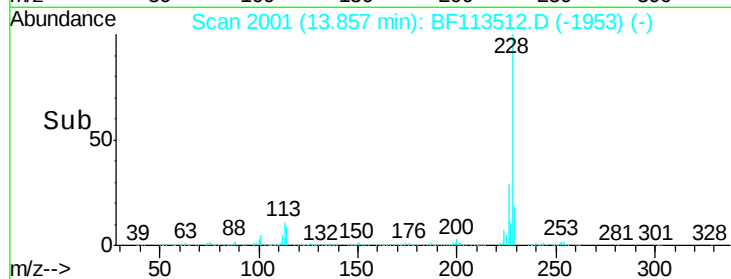
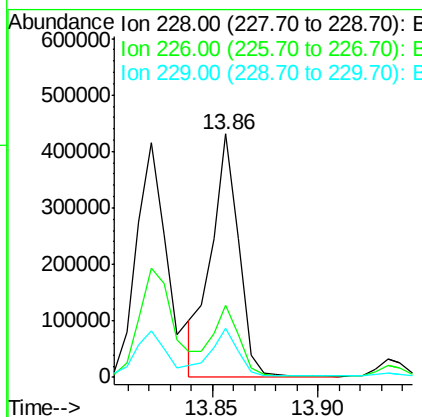
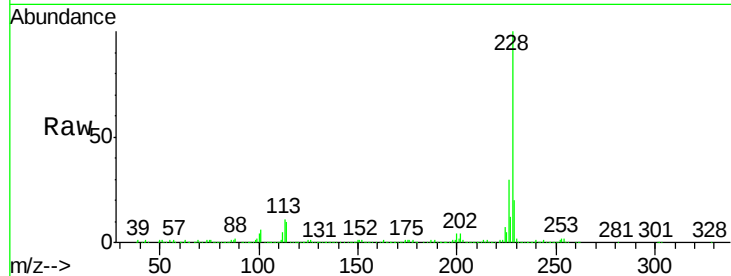
#83
Chrysene
Concen: 20.683 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.02 min
Lab File: BF113512.D
Acq: 2 Apr 2019 18:18

Instrument :
BNA_F
ClientSampled :
VN-SP-2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.3	36.5
229	20.0	16.3	24.5

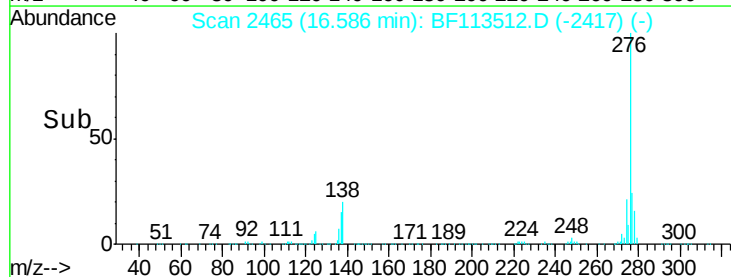
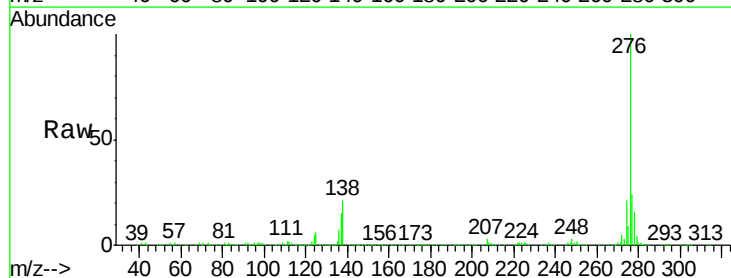
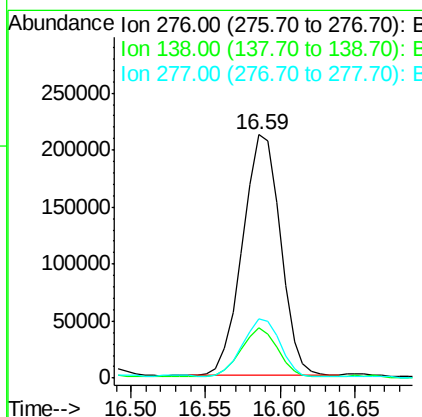
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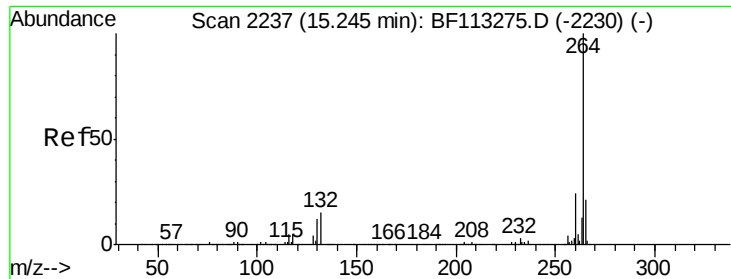
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#86
Indeno(1,2,3-cd)pyrene
Concen: 23.183 ng
RT: 16.59 min Scan# 2465
Delta R.T. -0.02 min
Lab File: BF113512.D
Acq: 2 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.6	18.1	27.1
277	23.8	20.2	30.4





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113512.D

Acq: 2 Apr 2019 18:18

Instrument :

BNA_F

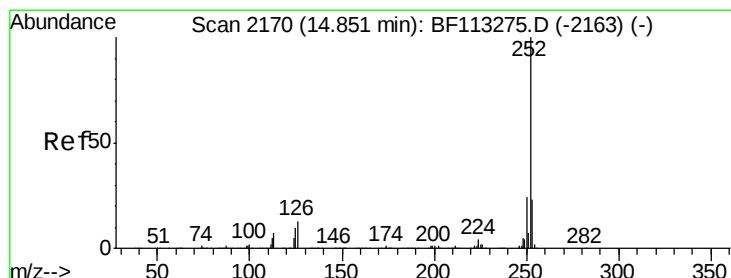
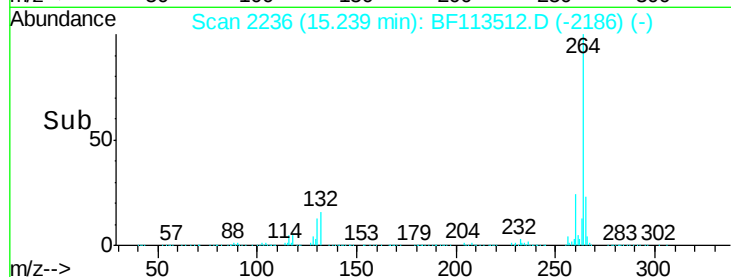
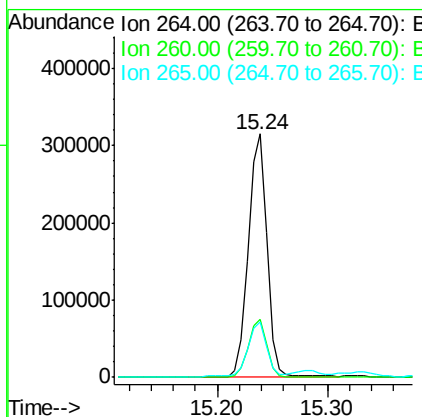
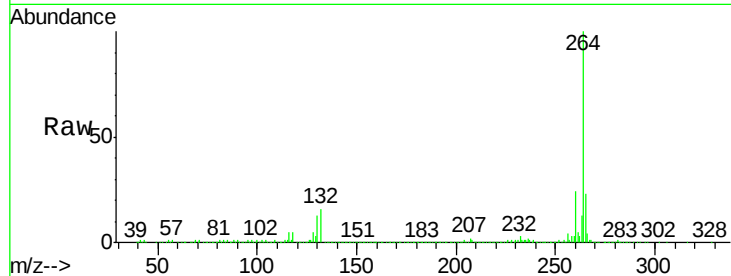
ClientSampleId :

VN-SP-2

Tgt Ion:	264	Resp:	378522
Ion Ratio		Lower	Upper
264	100		
260	23.8	19.1	28.7
265	22.7	17.1	25.7

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#88

Benzo(b)fluoranthene

Concen: 24.594 ng m

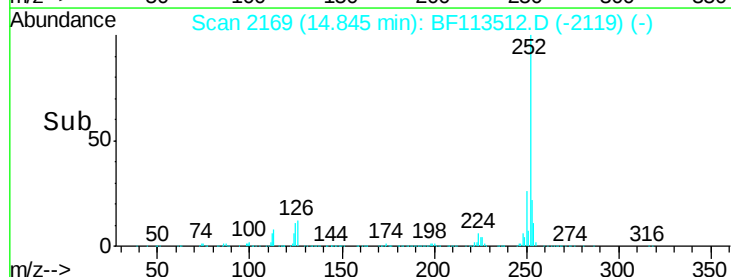
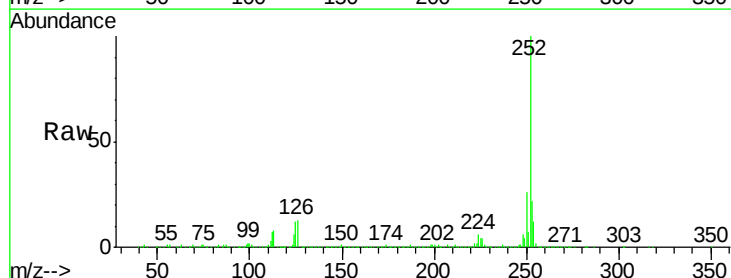
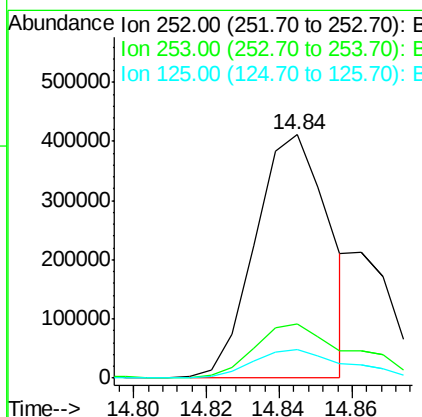
RT: 14.84 min Scan# 2169

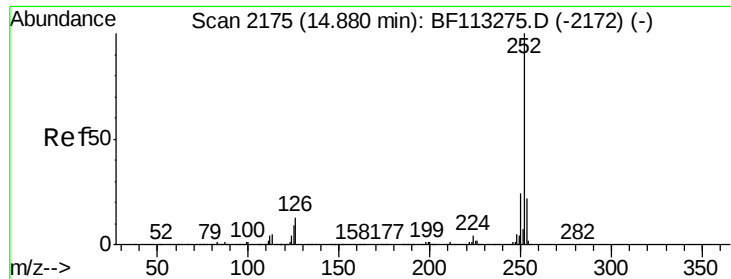
Delta R.T. -0.01 min

Lab File: BF113512.D

Acq: 2 Apr 2019 18:18

Tgt Ion:	252	Resp:	578298
Ion Ratio		Lower	Upper
252	100		
253	22.2	18.0	27.0
125	11.7	7.6	11.4#





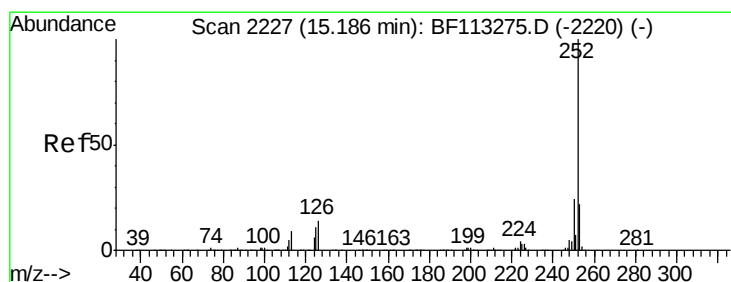
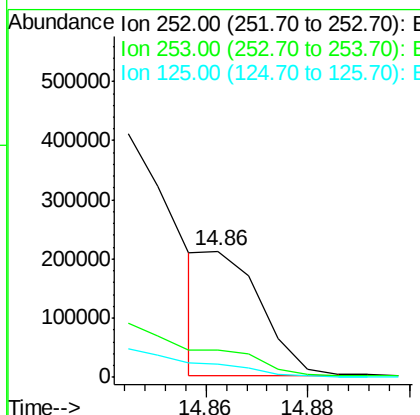
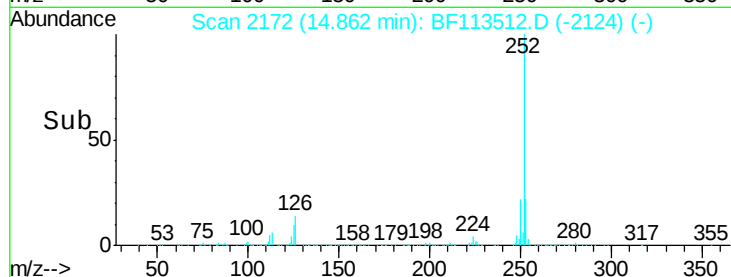
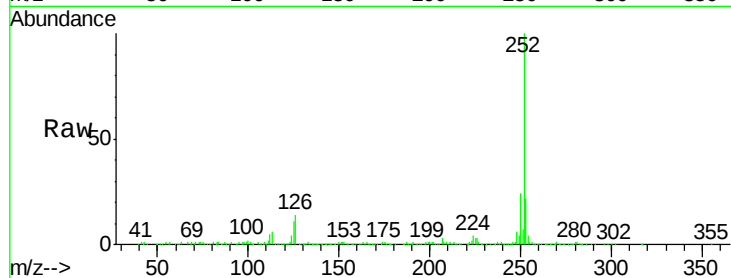
#89
Benzo(k)fluoranthene
Concen: 7.701 ng m
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF113512.D
Acq: 2 Apr 2019 18:18

Instrument :
BNA_F
ClientSampleId :
VN-SP-2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	10.5	7.3	10.9

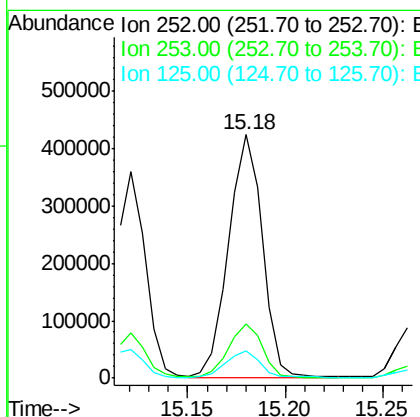
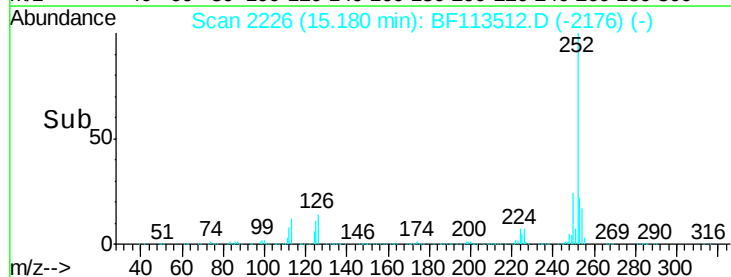
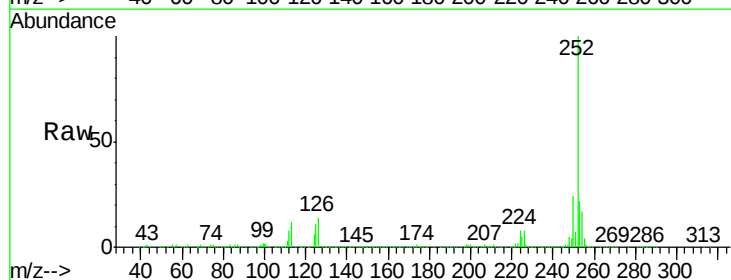
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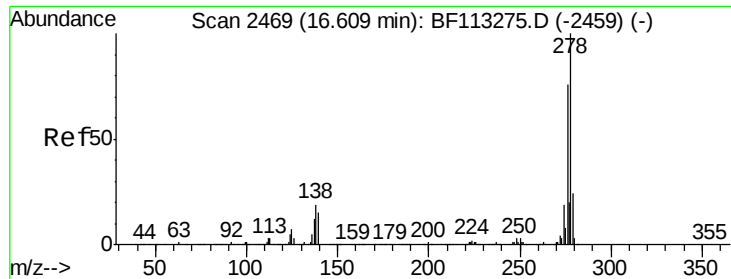
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#90
Benzo(a)pyrene
Concen: 24.324 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113512.D
Acq: 2 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	11.1	8.8	13.2





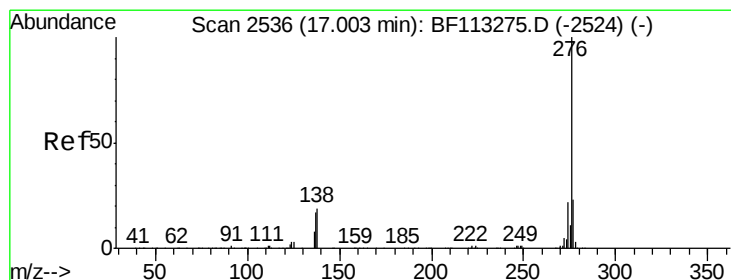
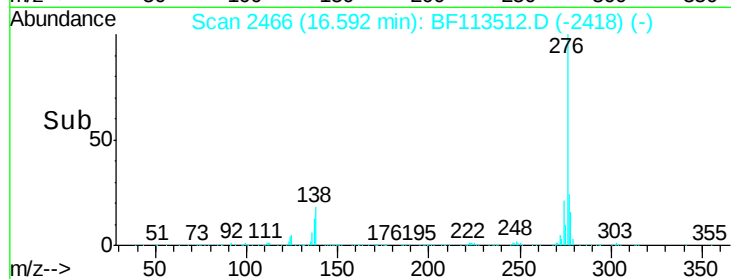
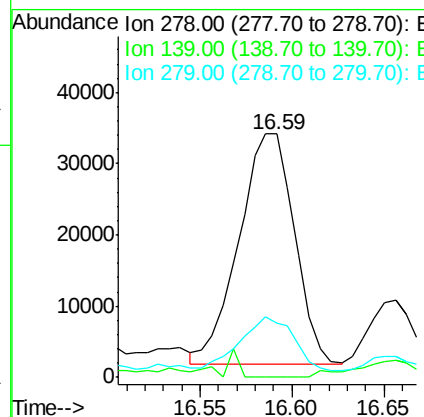
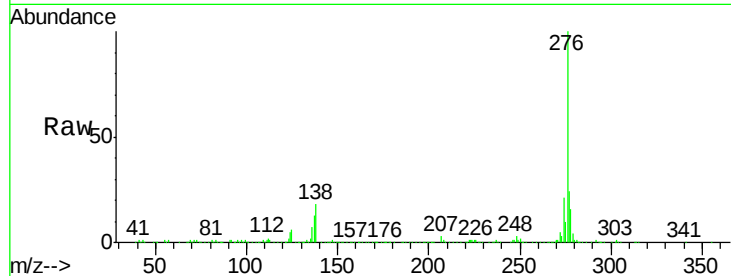
#91
Dibenzo(a,h)anthracene
Concen: 3.792 ng m
RT: 16.59 min Scan# 2466
Delta R.T. -0.02 min
Lab File: BF113512.D
Acq: 2 Apr 2019 18:18

Instrument :
BNA_F
ClientSampleId :
VN-SP-2

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	22.3	19.0	28.6

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#92
Benzo(g,h,i)perylene
Concen: 24.867 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF113512.D
Acq: 2 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	20.7	15.6	23.4

