

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116752.D
 Acq On : 1 Sep 2019 19:36
 Operator : HP/JU
 Sample : K4547-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T3-S-G

Manual Integrations
 APPROVED

mohammad
 9/5/2019 9:54:47 AM

Quant Time: Sep 02 06:39:56 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	75089	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	300503	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	173374	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	314760	20.00	ng	0.00
76) Chrysene-d12	14.00	240	220931	20.00	ng	0.00
87) Perylene-d12	15.44	264	237069	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	439932	94.92	ng	0.00
7) Phenol-d6	6.47	99	604527	99.33	ng	-0.01
23) Nitrobenzene-d5	7.40	82	370934	70.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	139004	119.93	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	674650	65.64	ng	-0.01
79) Terphenyl-d14	12.94	244	751910	62.96	ng	0.00
Target Compounds						
10) Phenol	6.48	94	30807	4.571	ng	96
50) Dimethylphthalate	9.59	163	67855	5.669	ng	98
71) Phenanthrene	11.39	178	44579	2.544	ng	# 91
75) Fluoranthene	12.57	202	129743	7.535	ng	94
78) Pyrene	12.80	202	110967	5.650	ng	# 93
81) Benzo(a)anthracene	13.99	228	51586	3.689	ng	95
83) Chrysene	14.02	228	69710	4.839	ng	95
84) Bis(2-ethylhexyl)phthalate	13.98	149	98269	8.335	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.88	276	42581	3.680	ng	96
88) Benzo(b)fluoranthene	15.02	252	104766m	7.310	ng	
89) Benzo(k)fluoranthene	15.04	252	35743m	2.735	ng	
90) Benzo(a)pyrene	15.38	252	61920	4.966	ng	# 91
92) Benzo(a,h,i)perylene	17.31	276	41073	3.690	ng	# 90

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

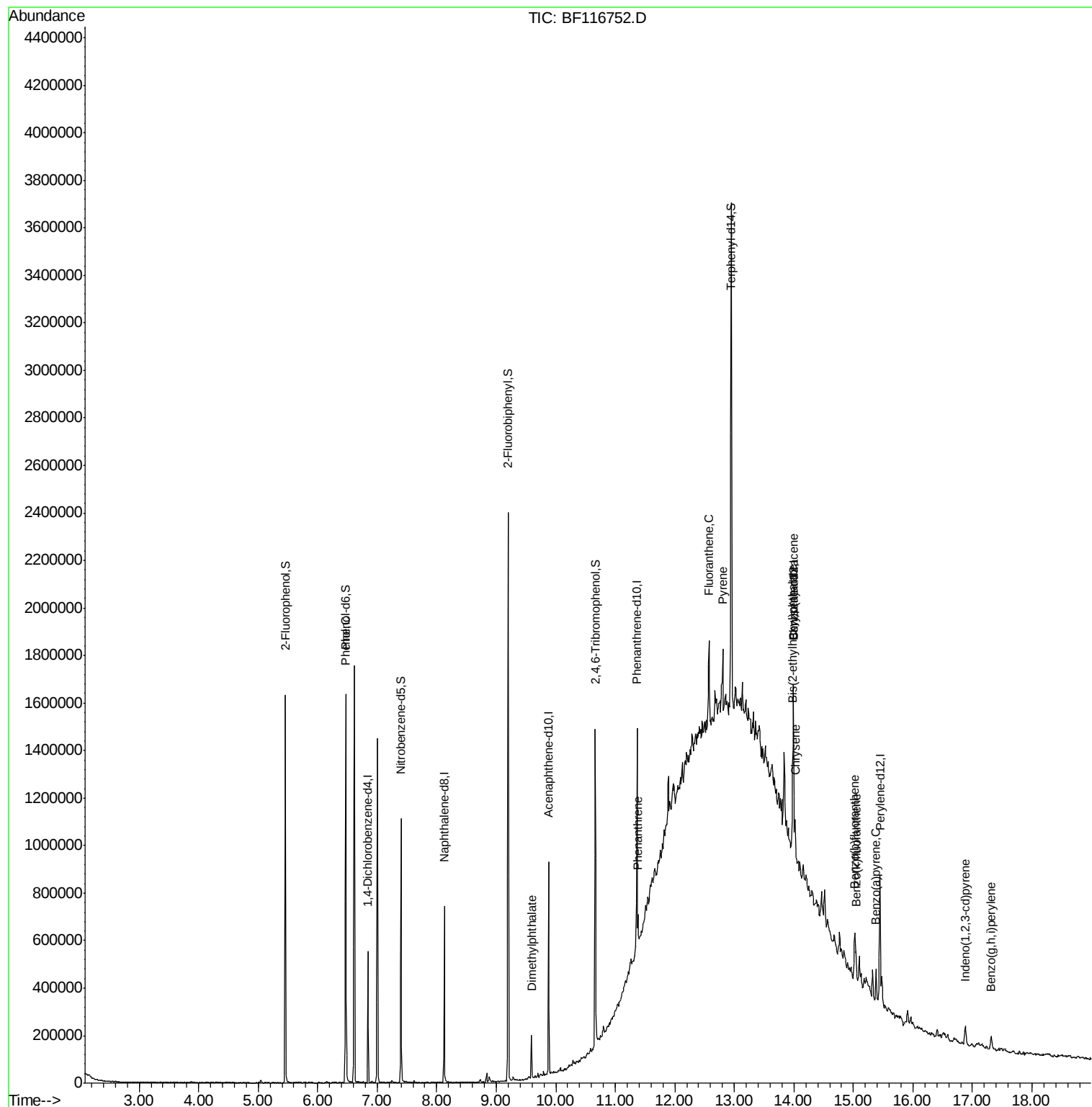
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
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#1

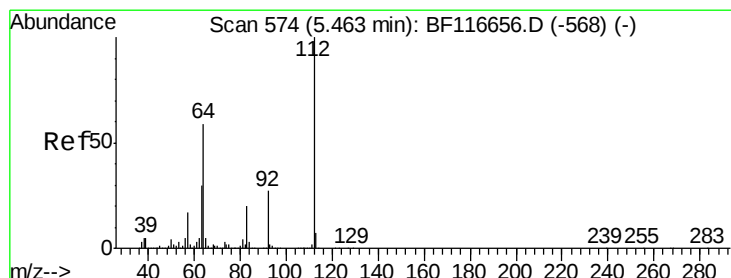
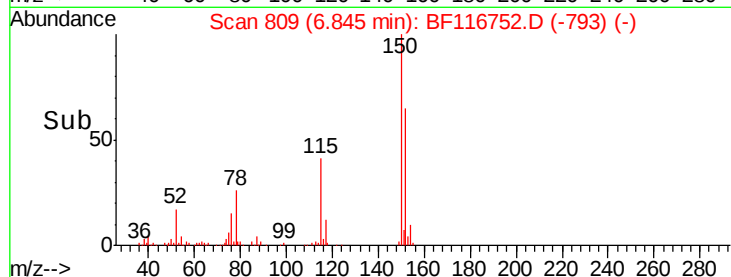
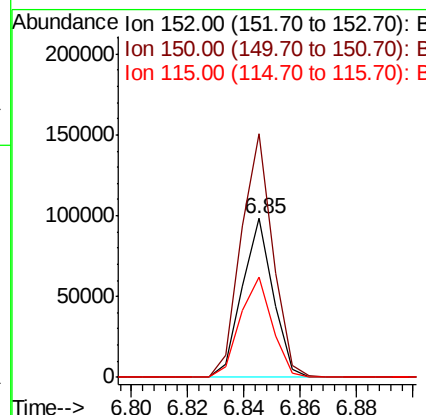
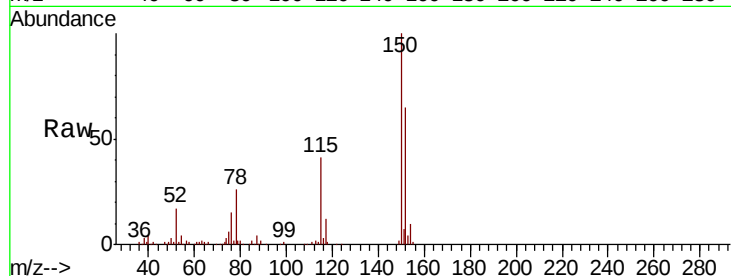
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116752.D
Acq: 1 Sep 2019 19:36

Instrument :
BNA_F
ClientSampleId :
T3-S-G

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.4	186.6
115	63.2	49.9	74.9

Manual Integrations
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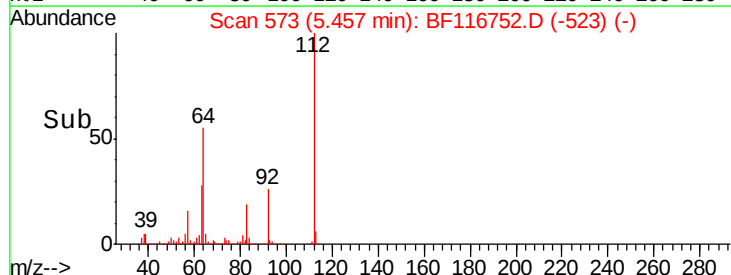
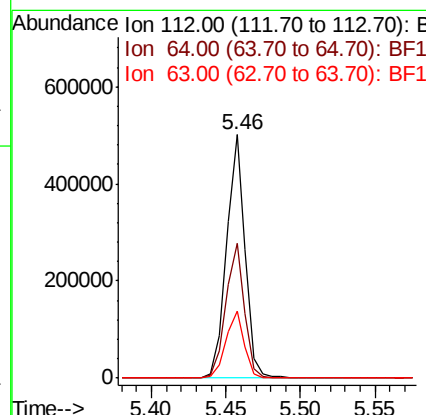
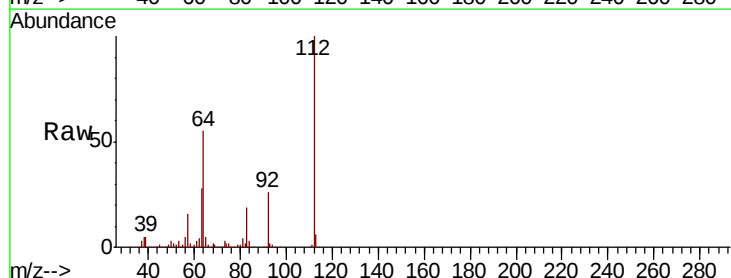
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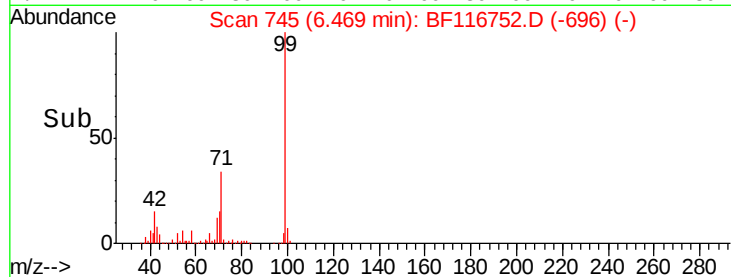
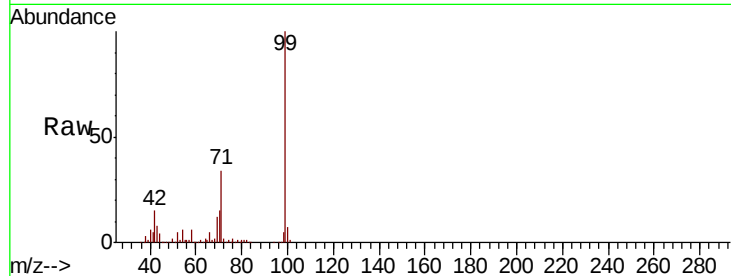


#5

2-Fluorophenol
Concen: 94.916 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116752.D
Acq: 1 Sep 2019 19:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	47.1	70.7
63	27.6	24.9	37.3





#7

Phenol-d6

Concen: 99.327 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

Tot Ion:	99	Resp:	604527
Ion Ratio	Lower	Upper	
99	100		
42	15.5	13.7	20.5
71	34.3	30.8	46.2

Instrument :

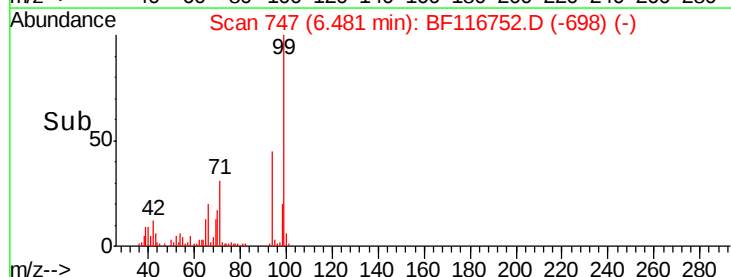
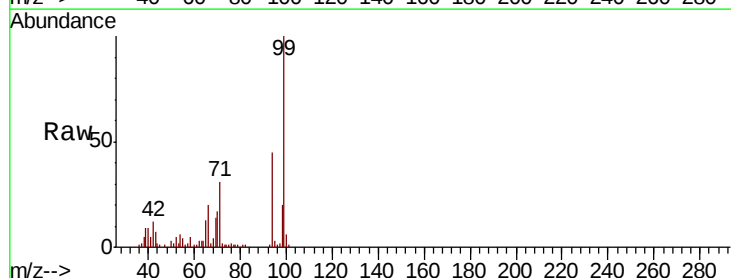
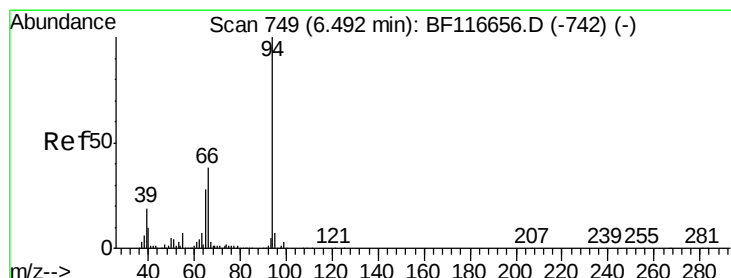
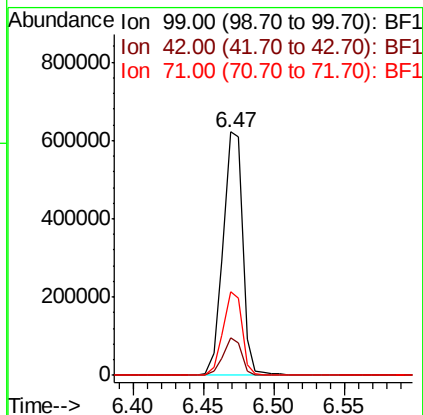
BNA_F

ClientSampleId :

T3-S-G

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#10

Phenol

Concen: 4.571 ng

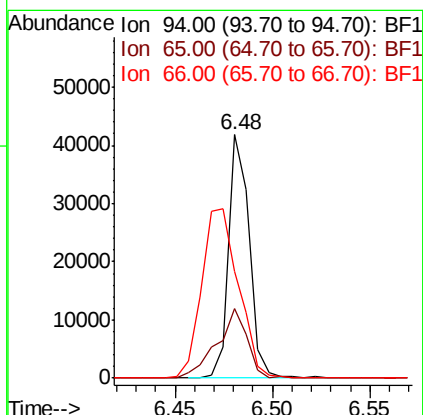
RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

Tgt Ion:	94	Resp:	30807
Ion Ratio	Lower	Upper	
94	100		
65	28.7	10.8	50.8
66	44.0	21.1	61.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

Instrument :

BNA_F

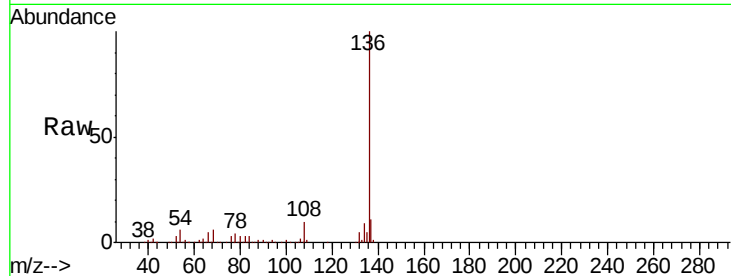
ClientSampleId :

T3-S-G

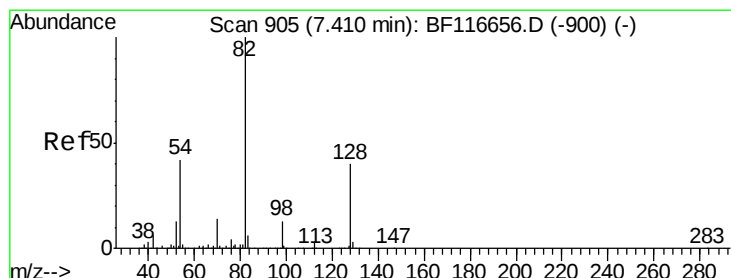
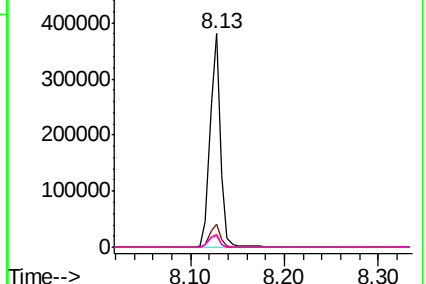
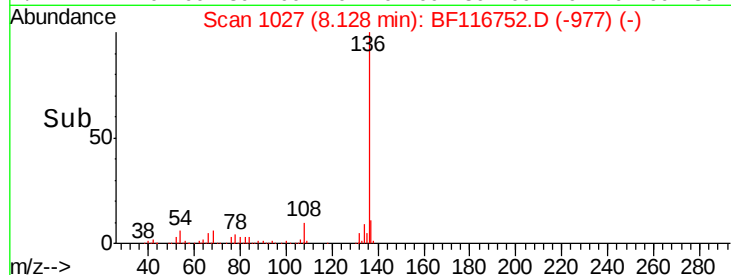
Tot Ion	Ratio	Resp	Lower	Upper
136	100	300503		
137	10.9		8.9	13.3
54	5.8		4.8	7.2
68	5.6		4.0	6.0

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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: 70.467 ng

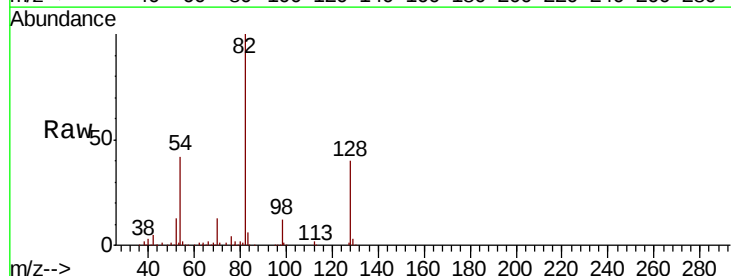
RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

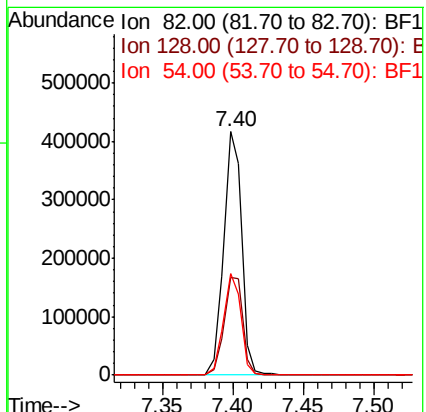
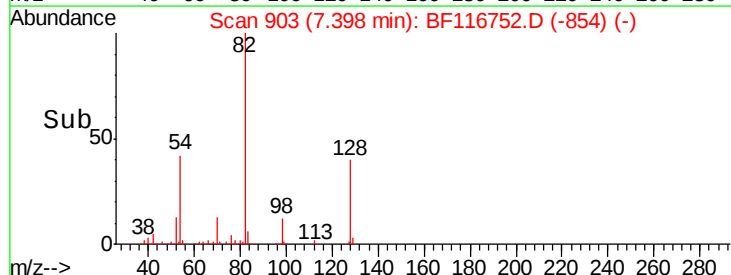
Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	370934		
128	39.9		32.8	49.2
54	41.9		36.9	55.3



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





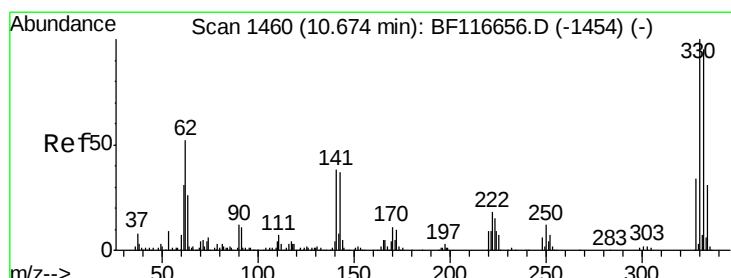
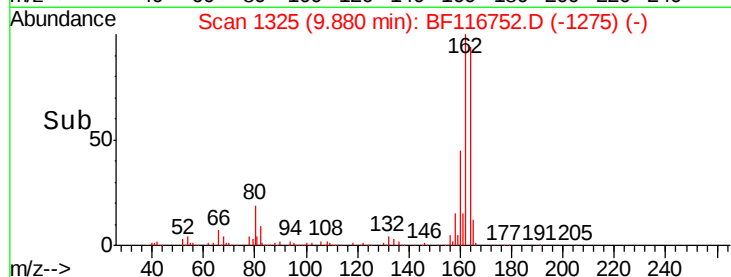
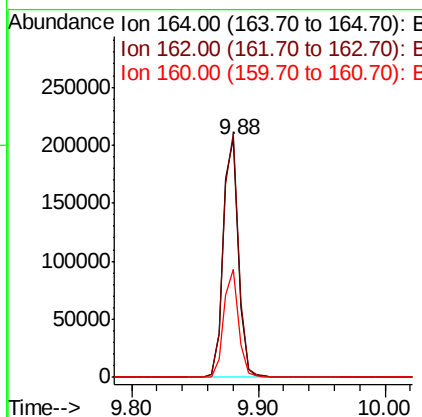
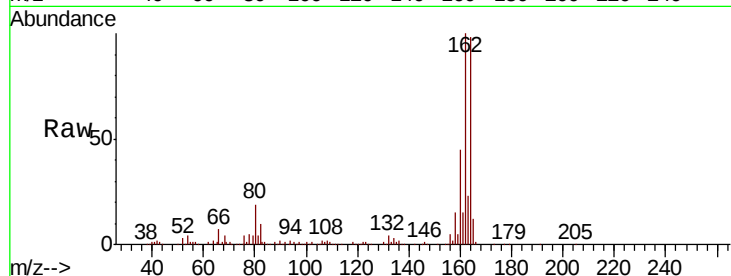
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116752.D
Acq: 1 Sep 2019 19:36

Instrument :
BNA_F
ClientSampled :
T3-S-G

Tot Ion	Ratio	Resp	Lower	Upper
164	100	173374		
162	102.3	81.4	122.0	
160	45.6	35.4	53.2	

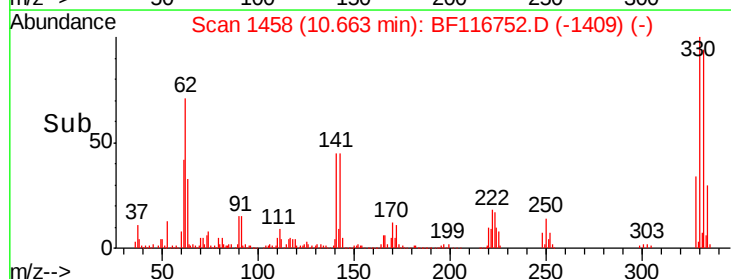
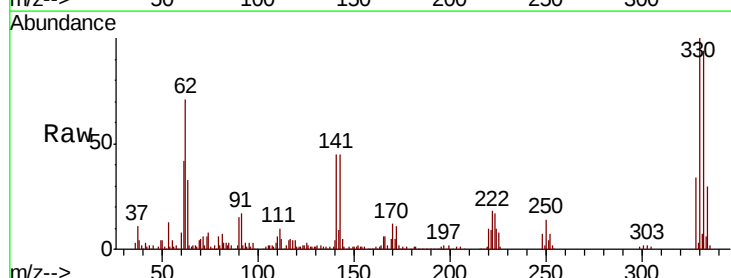
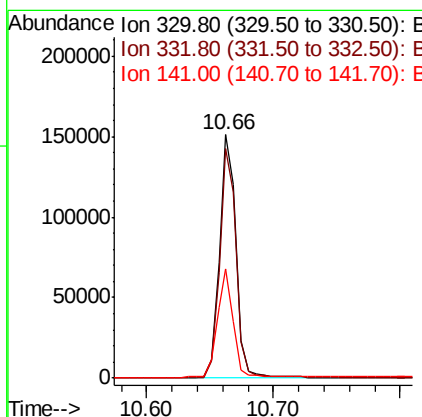
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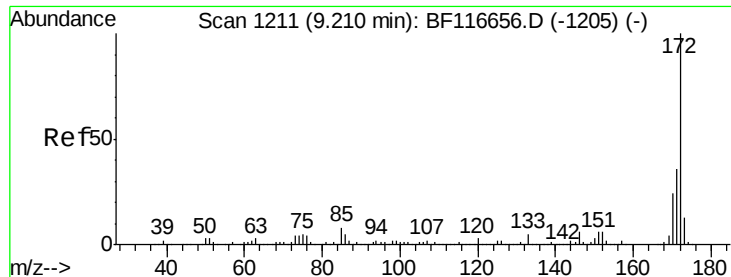
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#42
2,4,6-Tribromophenol
Concen: 119.930 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116752.D
Acq: 1 Sep 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	139004		
332	94.2	76.9	115.3	
141	42.8	31.4	47.2	





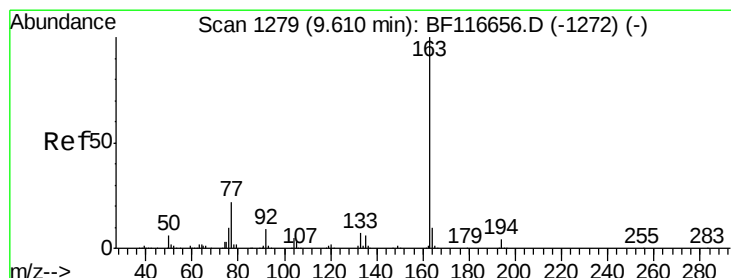
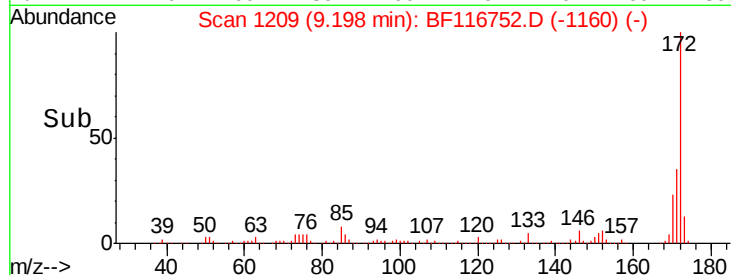
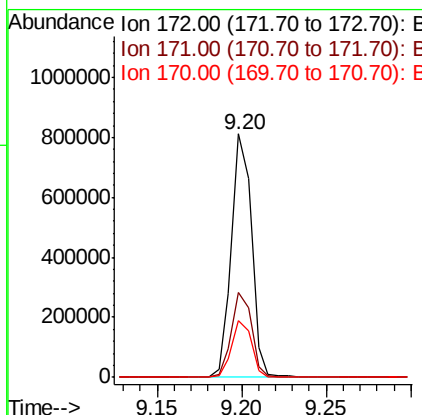
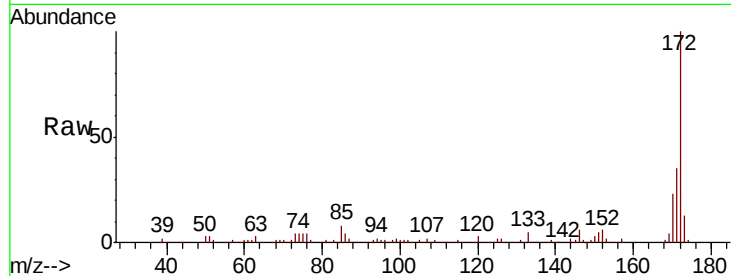
#45
2-Fluorobiphenyl
Concen: 65.642 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF116752.D
Acq: 1 Sep 2019 19:36

Instrument :
BNA_F
ClientSampled :
T3-S-G

Tot Ion	Ratio	Resp	Lower	Upper
172	100	674650		
171	34.8		27.8	41.6
170	23.2		18.9	28.3

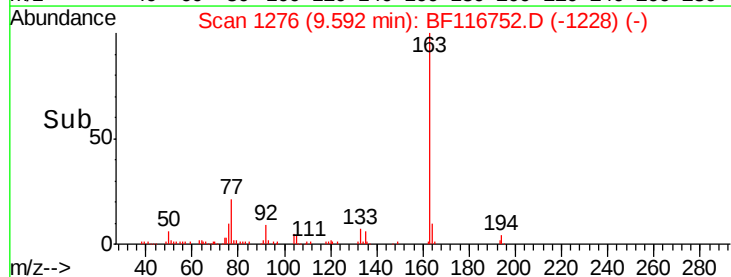
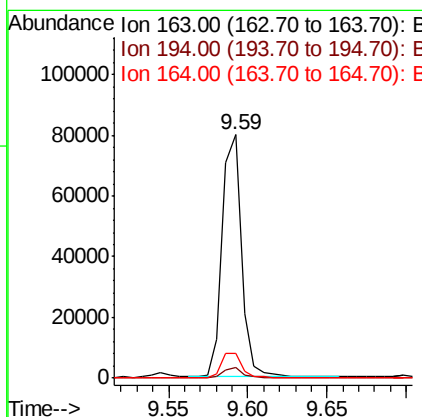
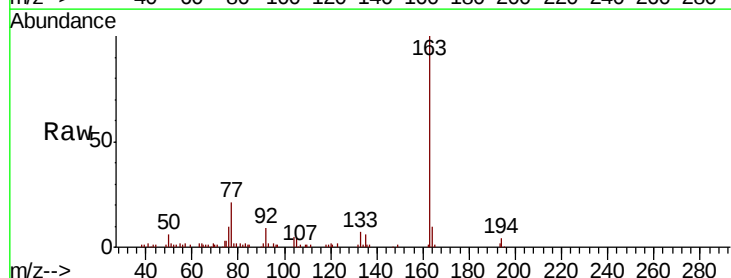
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#50
Dimethylphthalate
Concen: 5.669 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116752.D
Acq: 1 Sep 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	67855		
194	4.1		2.8	4.2
164	10.1		8.6	12.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

Instrument :

BNA_F

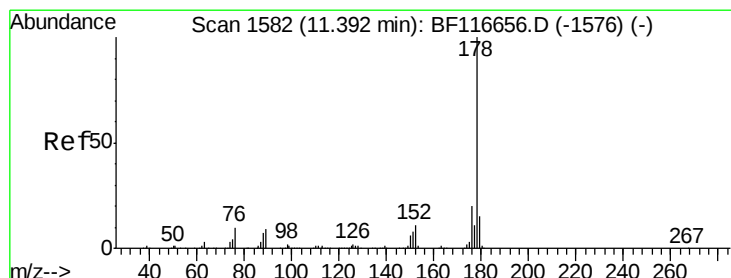
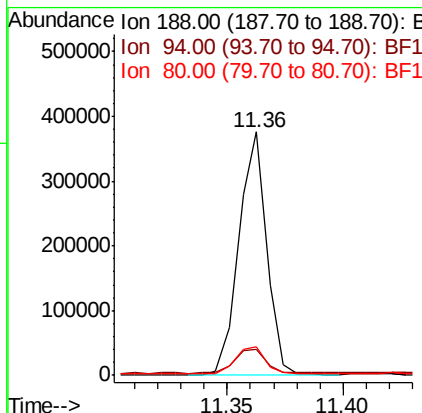
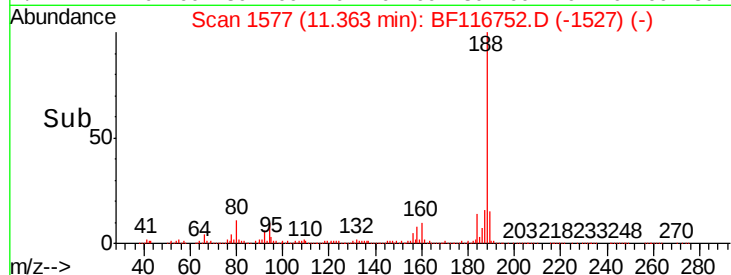
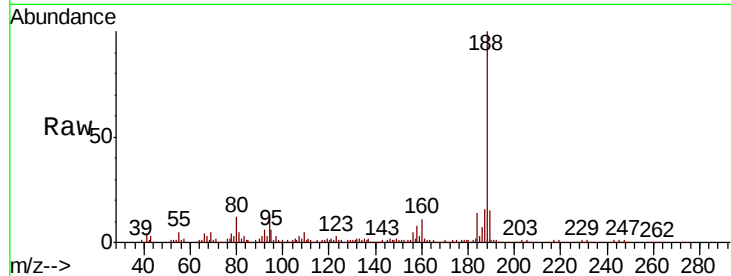
ClientSampled :

T3-S-G

Tot Ion:	188	Resp:	314760
Ion Ratio	Lower	Upper	
188	100		
94	10.6	7.3	10.9
80	11.7	8.4	12.6

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#71

Phenanthrene

Concen: 2.544 ng

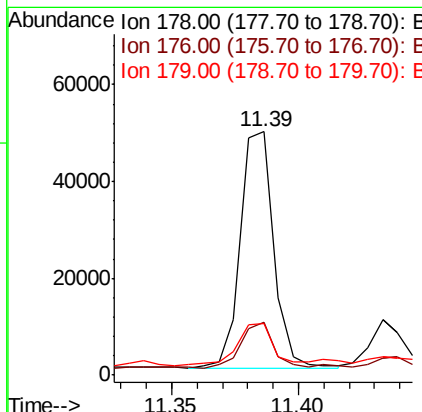
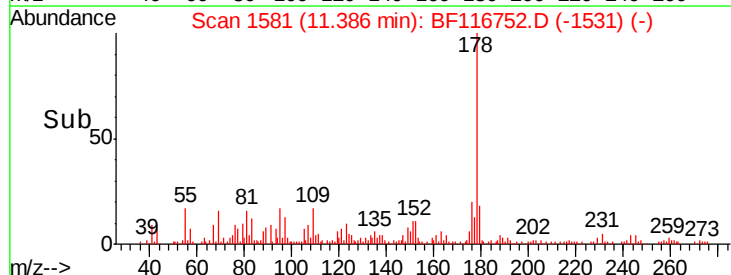
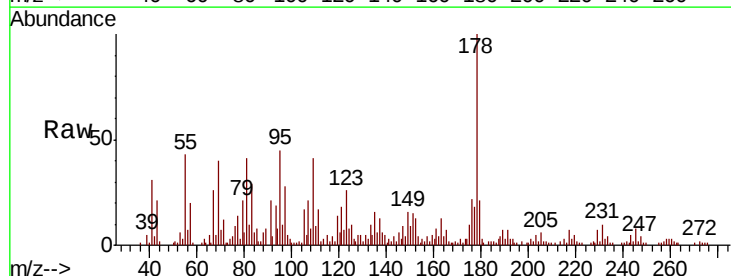
RT: 11.39 min Scan# 1581

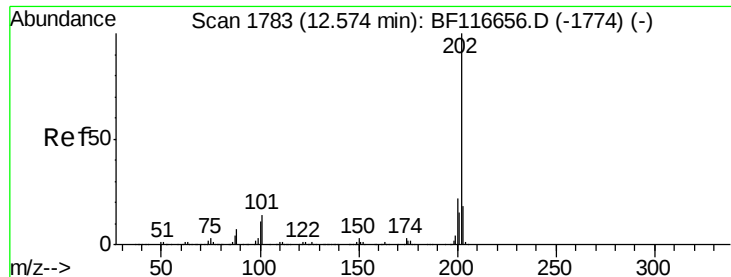
Delta R.T. -0.01 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

Tgt Ion:	178	Resp:	44579
Ion Ratio	Lower	Upper	
178	100		
176	21.6	15.4	23.0
179	21.2	12.2	18.2#





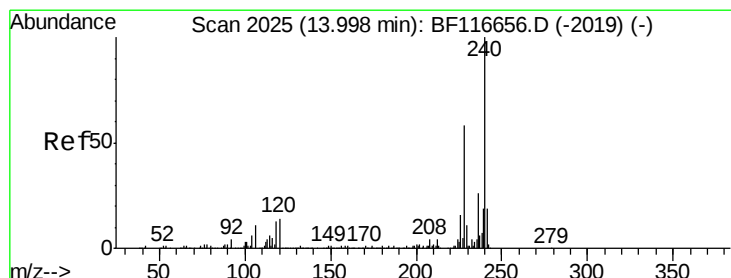
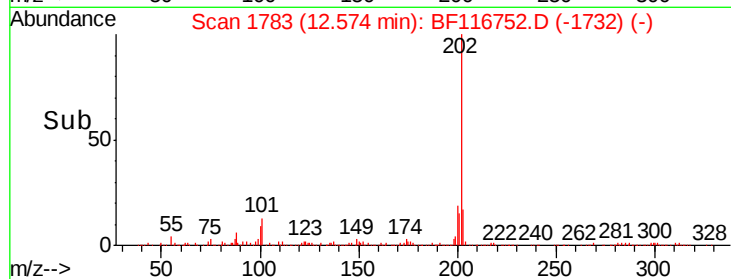
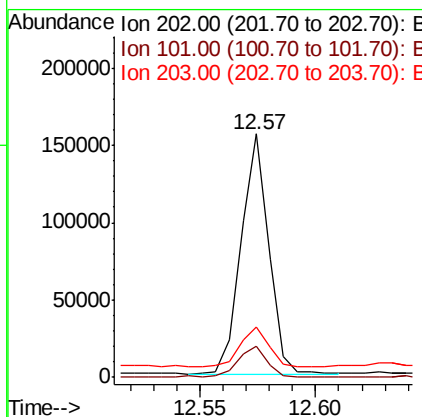
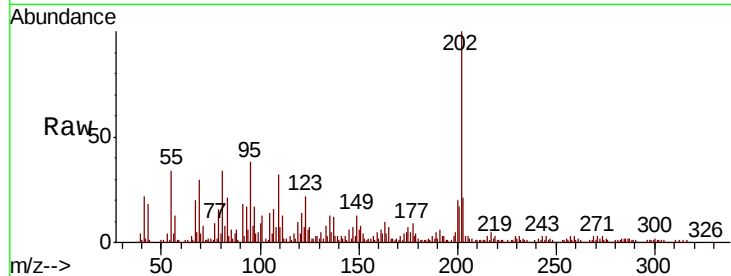
#75
 Fluoranthene
 Concen: 7.535 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BF116752.D
 Acq: 1 Sep 2019 19:36

Instrument :
 BNA_F
 ClientSampleId :
 T3-S-G

Tot Ion	Ratio	Resp	Lower	Upper
202	100	129743		
101	12.8	0.0	31.3	
203	20.8	0.0	37.6	

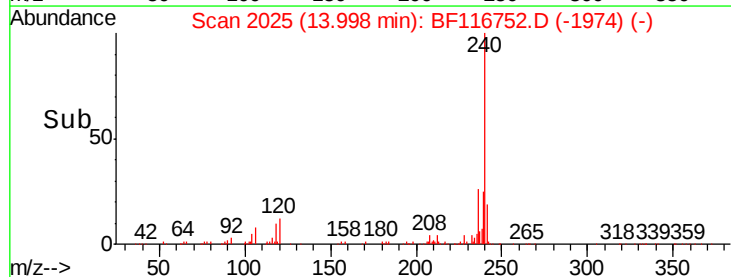
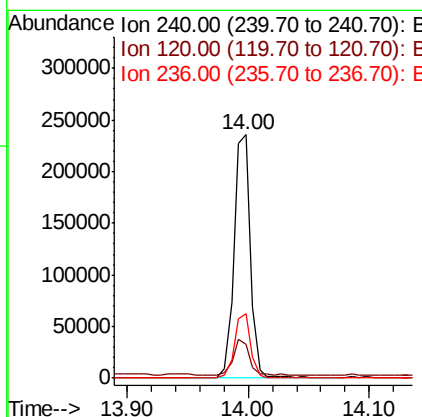
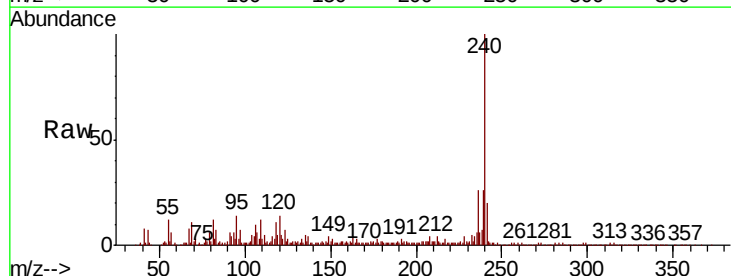
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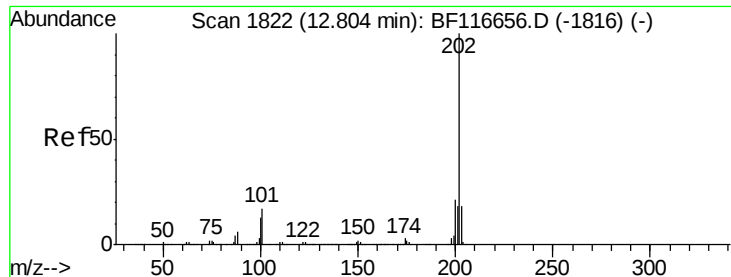
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: BF116752.D
 Acq: 1 Sep 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	220931		
120	13.6	9.1	13.7	
236	26.3	21.1	31.7	





#78

Pvrene

Concen: 5.650 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

Instrument :

BNA_F

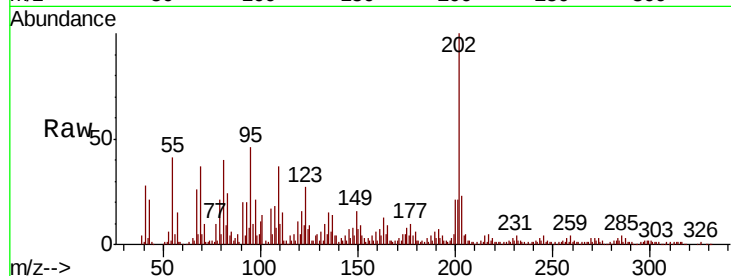
ClientSampleId :

T3-S-G

Tot Ion:	202	Resp:	110967
Ion Ratio	Lower	Upper	
202	100		
200	21.5	16.5	24.7
203	23.0	13.7	20.5

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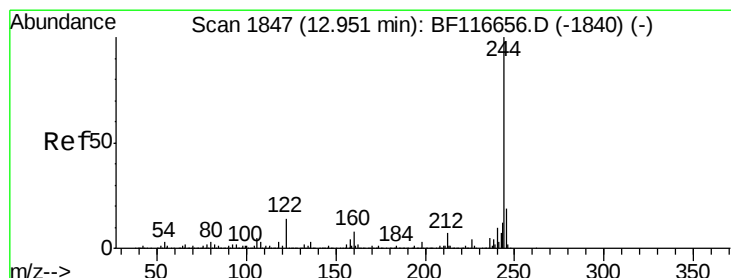
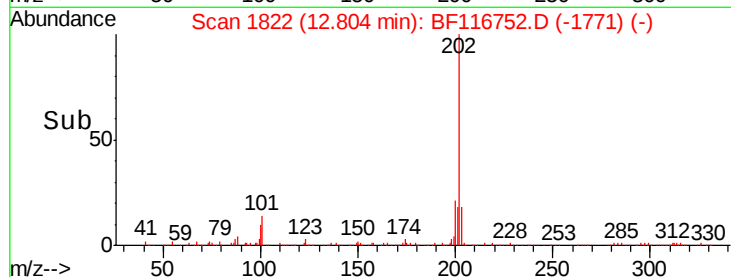
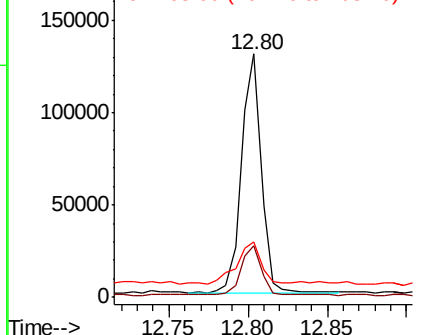


Abundance

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: 62.960 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

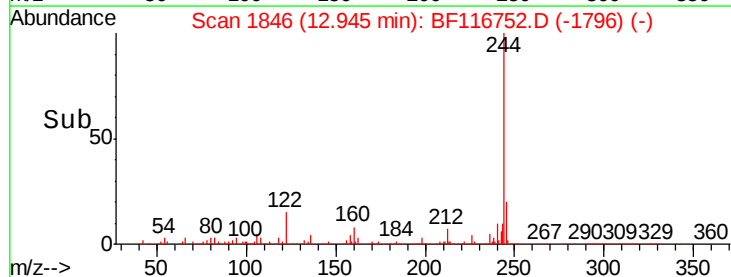
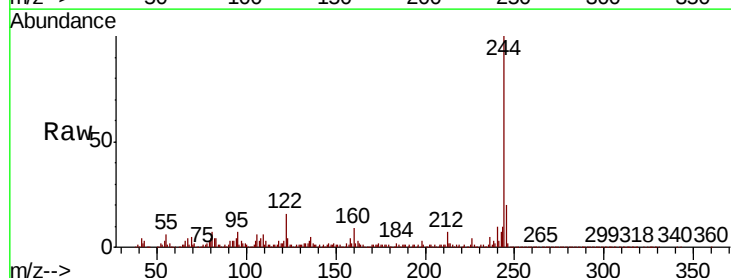
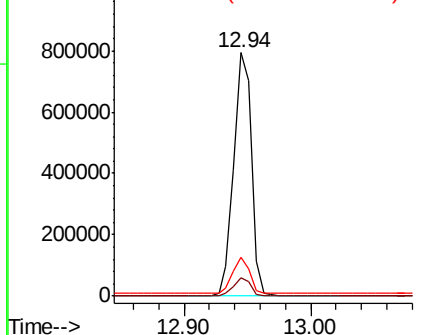
Tgt Ion:	244	Resp:	751910
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.1	9.1
122	16.2	10.2	15.4

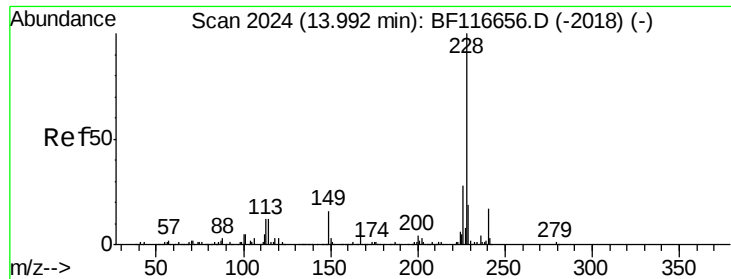
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.689 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

Instrument :

BNA_F

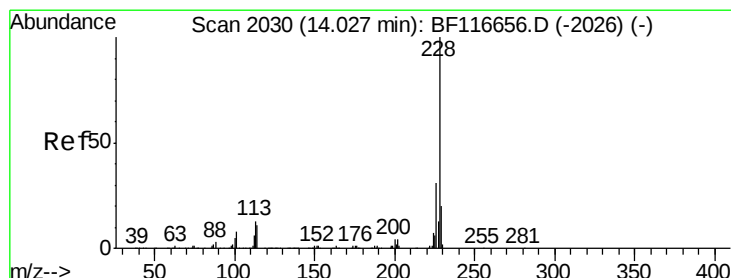
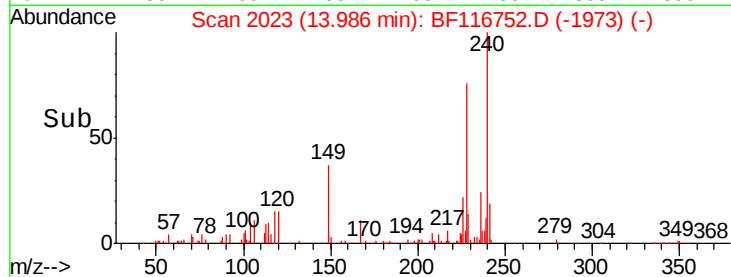
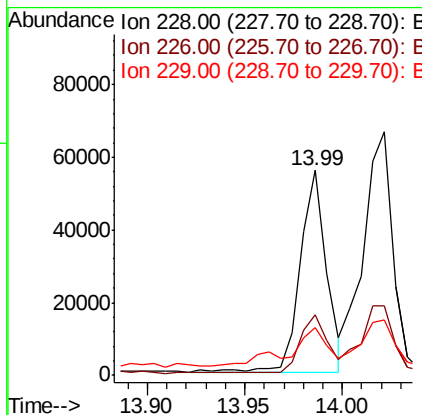
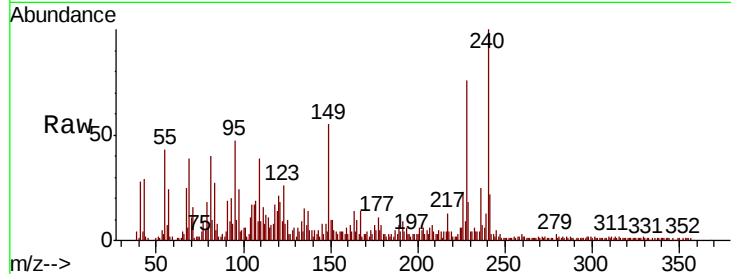
ClientSampleId :

T3-S-G

Tot Ion:	228	Resp:	51586
Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.0	33.0
229	23.4	16.4	24.6

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#83

Chrysene

Concen: 4.839 ng

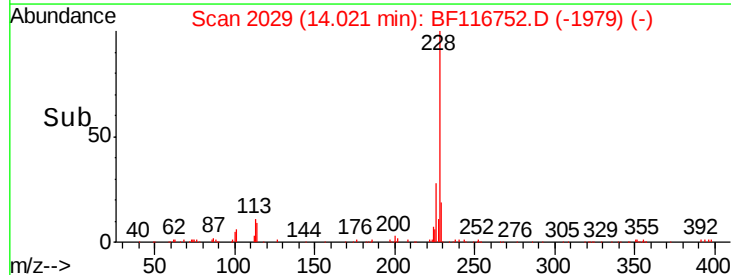
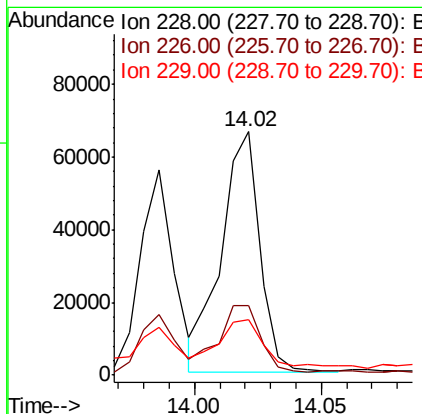
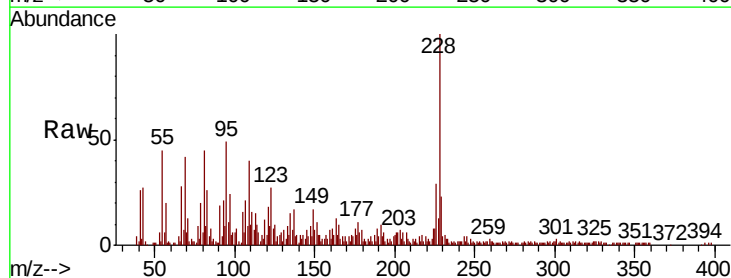
RT: 14.02 min Scan# 2029

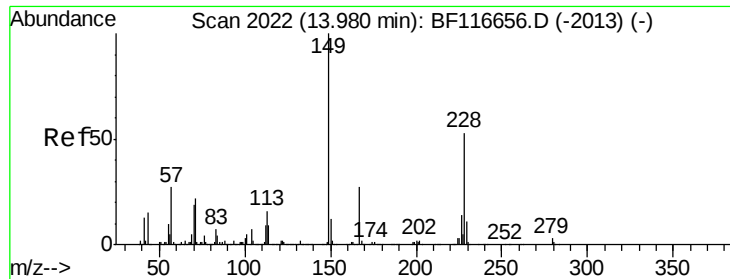
Delta R.T. -0.01 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

Tgt Ion:	228	Resp:	69710
Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.0	36.0
229	23.0	15.4	23.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 8.335 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

Instrument :

BNA_F

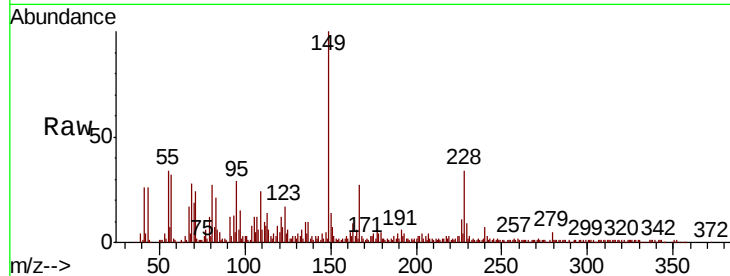
ClientSampleId :

T3-S-G

Tot Ion:	149	Resp:	98269
Ion Ratio	Lower	Upper	
149	100		
167	27.3	21.0	31.4
279	4.6	2.8	4.2#

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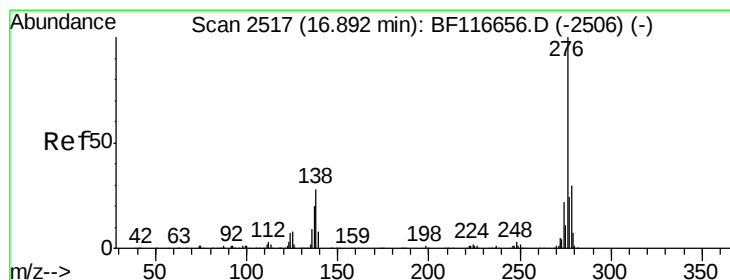
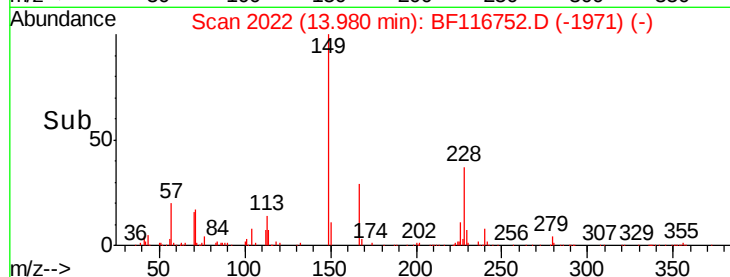
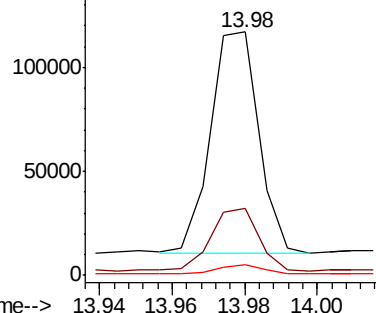


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.680 ng

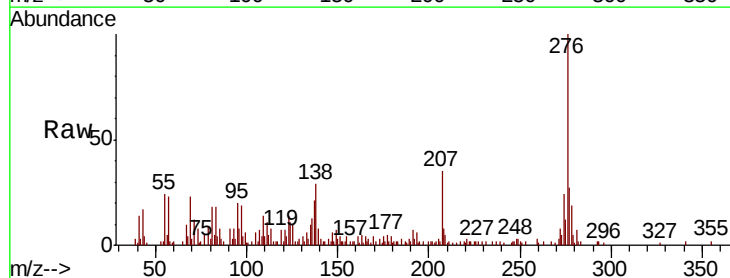
RT: 16.88 min Scan# 2515

Delta R.T. -0.01 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

Tgt Ion:	276	Resp:	42581
Ion Ratio	Lower	Upper	
276	100		
138	27.2	19.4	29.2
277	24.7	20.5	30.7

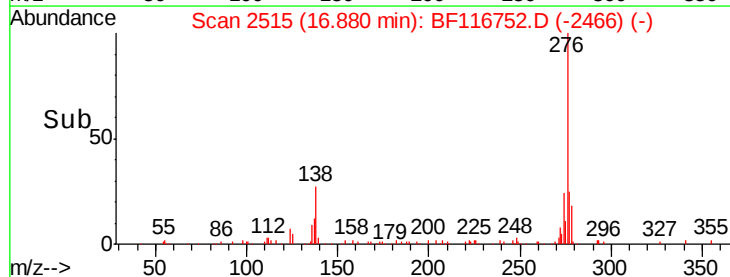
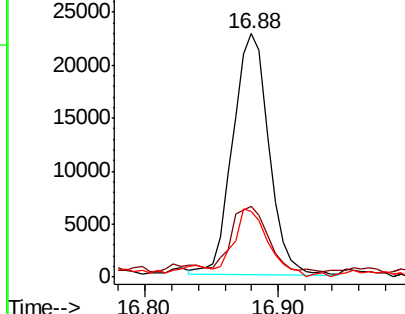


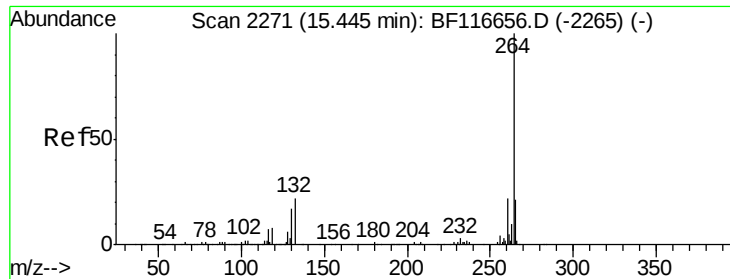
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





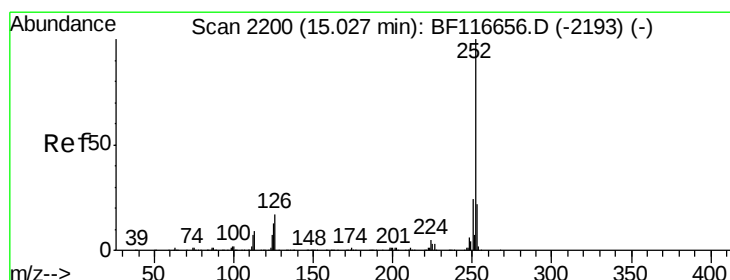
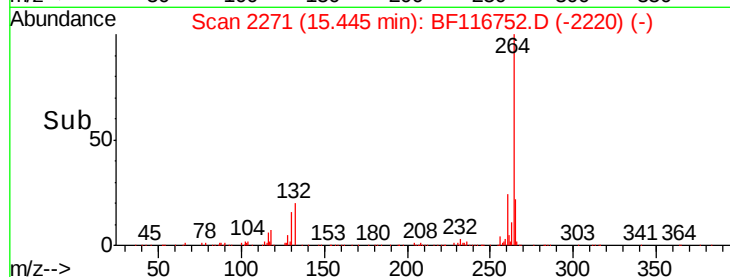
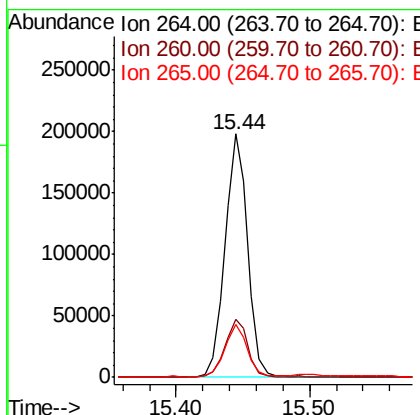
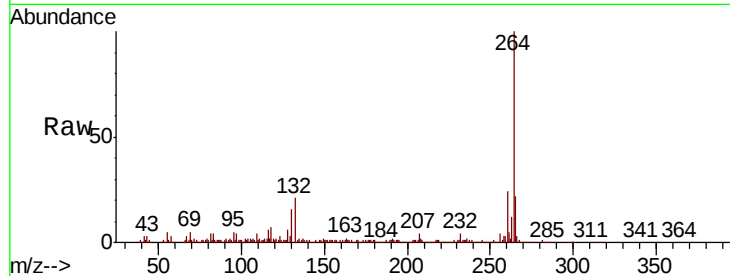
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116752.D
Acq: 1 Sep 2019 19:36

Instrument :
BNA_F
ClientSampled :
T3-S-G

Tot Ion:	264	Resp:	237069
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.3	27.5
265	21.9	16.5	24.7

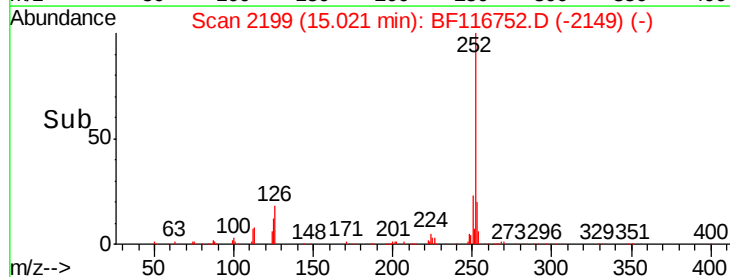
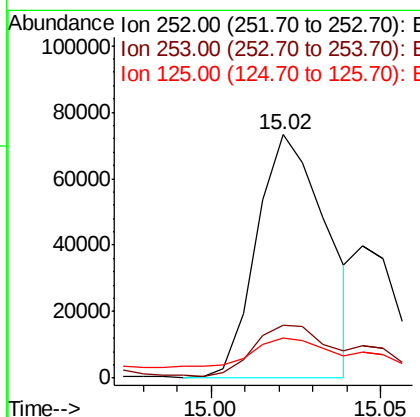
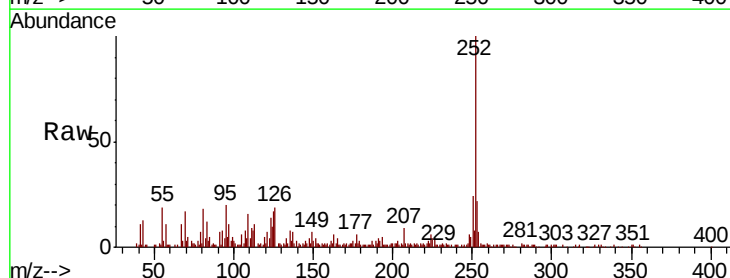
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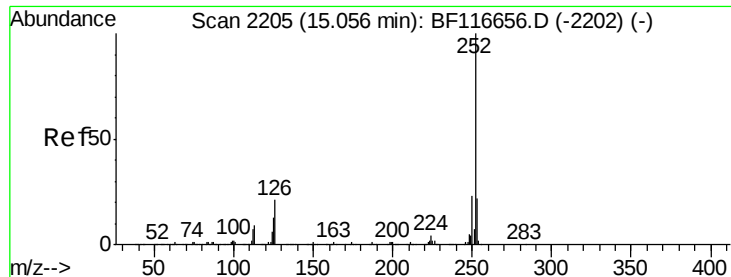
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#88
Benzo(b)fluoranthene
Concen: 7.310 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116752.D
Acq: 1 Sep 2019 19:36

Tgt Ion:	252	Resp:	104766
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.7	26.5
125	16.6	8.2	12.2#





#89

Benzo(k)fluoranthene

Concen: 2.735 ng/mL

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

Instrument :

BNA_F

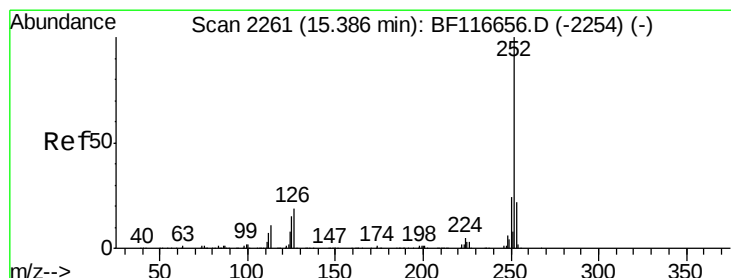
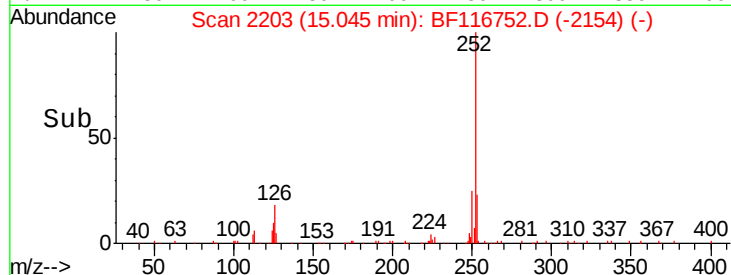
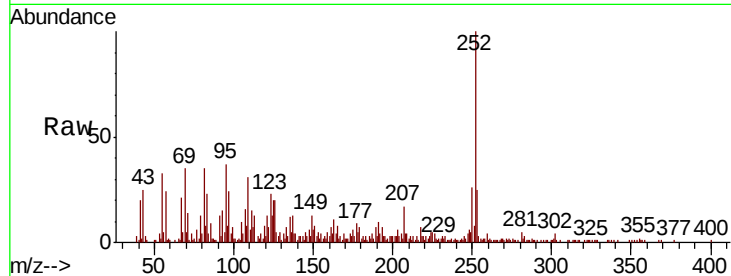
ClientSampled :

T3-S-G

Tot Ion:	252	Resp:	35743
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.7	26.5
125	20.2	8.6	13.0

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#90

Benzo(a)pyrene

Concen: 4.966 ng/mL

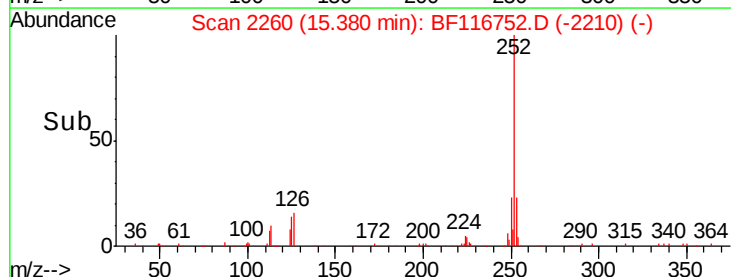
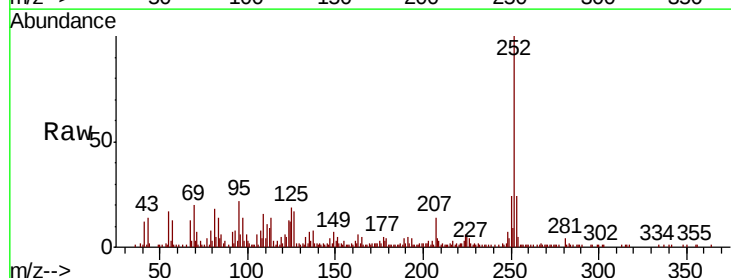
RT: 15.38 min Scan# 2260

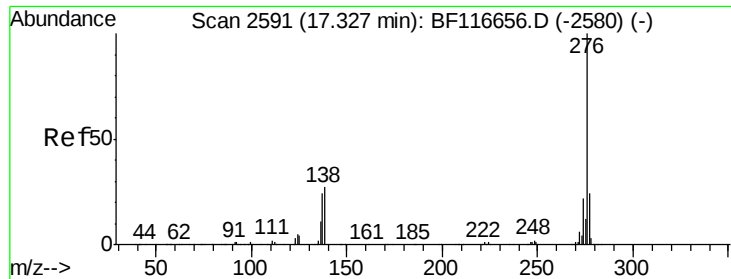
Delta R.T. -0.01 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

Tgt Ion:	252	Resp:	61920
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.1	27.1
125	19.5	9.8	14.8





#92
 Benzo(a,h,i)perylene
 Concen: 3.690 ng
 RT: 17.31 min Scan# 2588
 Delta R.T. -0.02 min
 Lab File: BF116752.D
 Acq: 1 Sep 2019 19:36

Instrument :
 BNA_F
 ClientSampleId :
 T3-S-G

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.0	18.5	27.7
138	27.8	16.2	24.2

Manual Integrations
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