

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
 Data File : BF116844.D
 Acq On : 5 Sep 2019 18:01
 Operator : HP/JU
 Sample : K4695-06 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T5-1-4-(0-2.5)

Manual Integrations
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mohammad
 9/10/2019 9:52:34 AM

Quant Time: Sep 06 04:59:16 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	97753	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	403693	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	209281	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	313341	20.00	ng	0.00
76) Chrysene-d12	14.00	240	230688	20.00	ng	0.00
87) Perylene-d12	15.46	264	194890	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	212569	35.23	ng	0.00
7) Phenol-d6	6.47	99	292017	36.86	ng	0.00
23) Nitrobenzene-d5	7.40	82	176271	24.93	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	55877	39.94	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	324900	26.19	ng	-0.01
79) Terphenyl-d14	12.95	244	274230	21.99	ng	0.00
Target Compounds						
71) Phenanthrene	11.39	178	80619	4.622	ng	99
75) Fluoranthene	12.57	202	242708	14.159	ng	98
78) Pyrene	12.80	202	199662	9.736	ng	99
81) Benzo(a)anthracene	13.99	228	99136	6.790	ng	97
83) Chrysene	14.02	228	116133	7.721	ng	95
84) Bis(2-ethylhexyl)phthalate	13.97	149	39473	3.207	ng	98
86) Indeno(1,2,3-cd)pyrene	16.90	276	54583	4.518	ng	96
88) Benzo(b)fluoranthene	15.03	252	152898m	12.976	ng	
89) Benzo(k)fluoranthene	15.06	252	46133m	4.294	ng	
90) Benzo(a)pyrene	15.40	252	77162	7.527	ng	98
92) Benzo(a,h,i)perylene	17.35	276	51071	5.581	ng	# 92

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

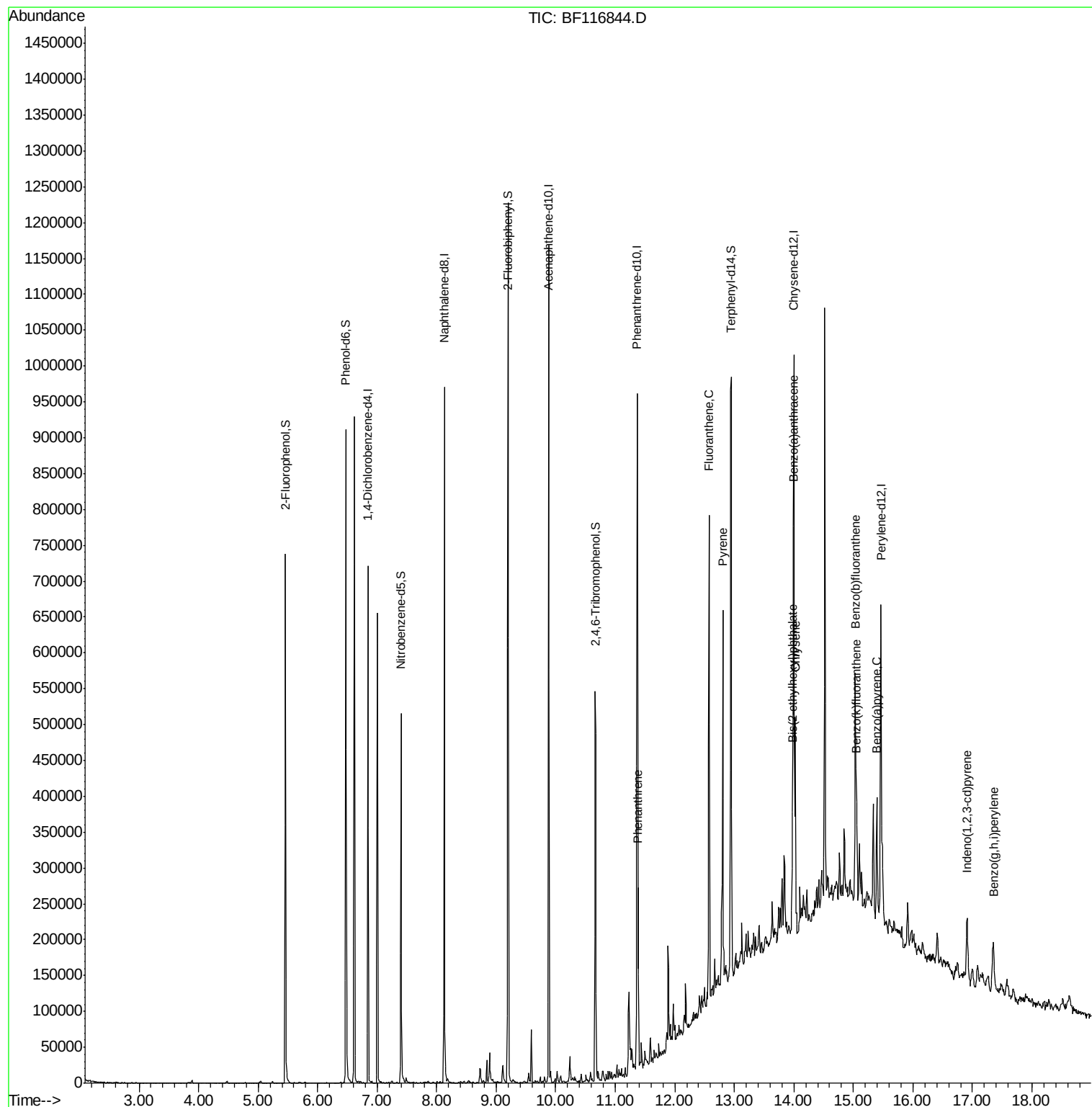
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116844.D
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ALS Vial : 18 Sample Multiplier: 1

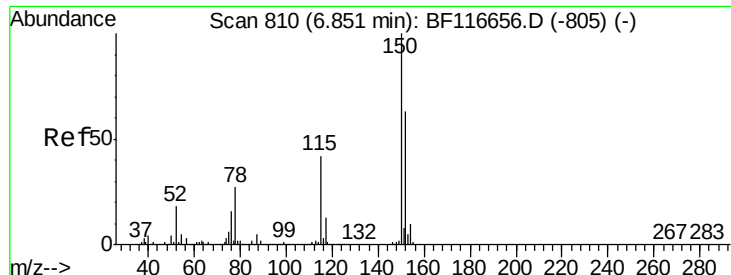
Instrument :
BNA_F
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T5-1-4-(0-2.5)

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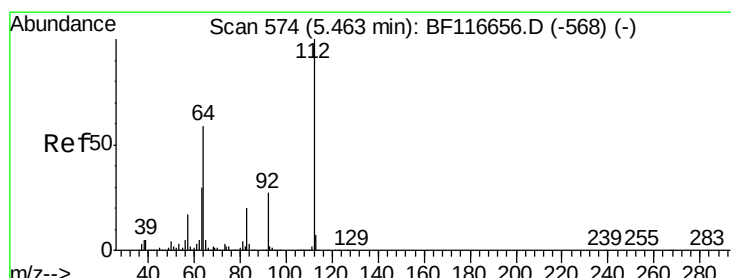
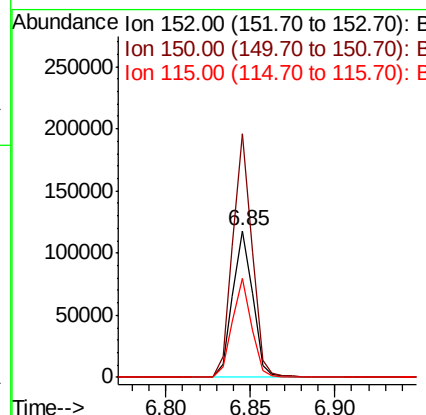
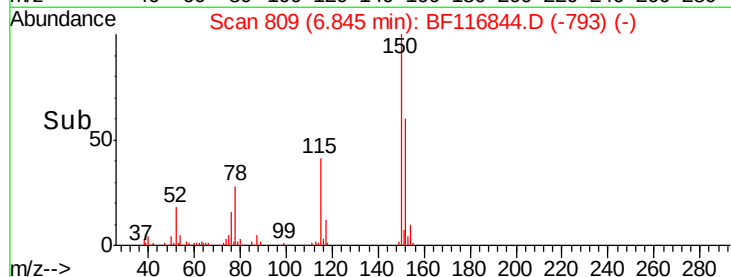
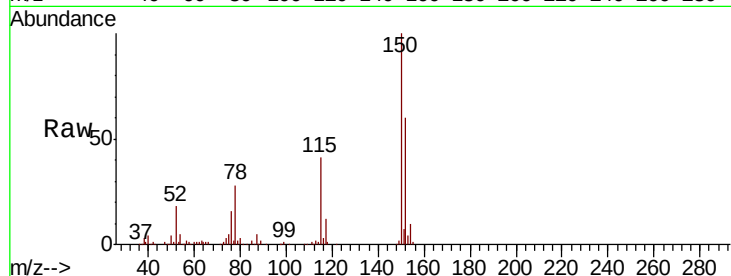
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF116844.D
 Acq: 5 Sep 2019 18:01

Instrument :
 BNA_F
 ClientSampleId :
 T5-1-4-(0-2.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.9	124.4	186.6
115	67.8	49.9	74.9

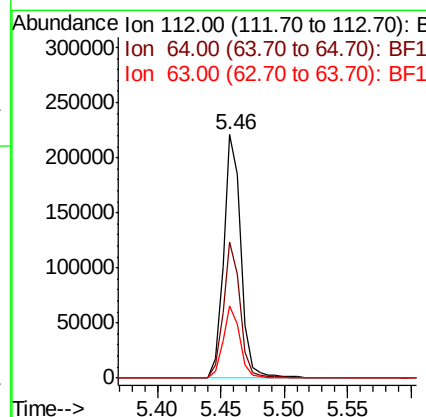
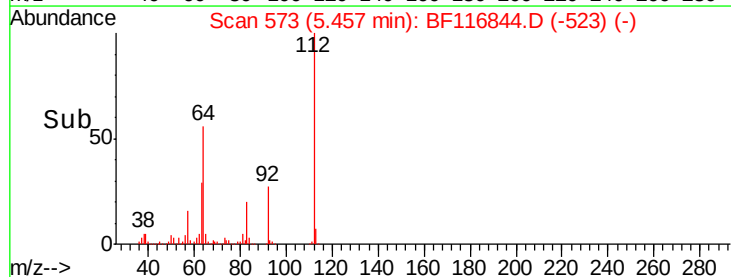
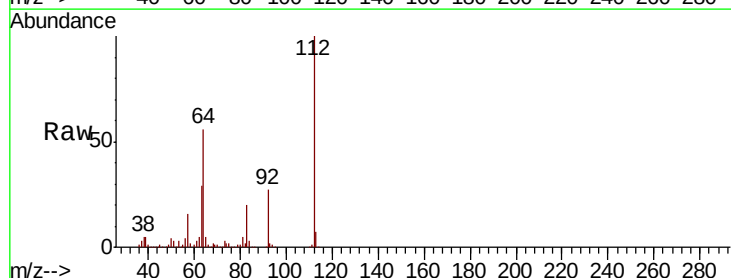
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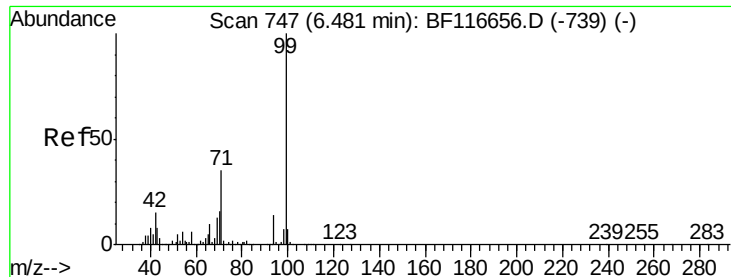
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#5
 2-Fluorophenol
 Concen: 35.229 ng
 RT: 5.46 min Scan# 573
 Delta R.T. -0.01 min
 Lab File: BF116844.D
 Acq: 5 Sep 2019 18:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	47.1	70.7
63	29.5	24.9	37.3





#7

Phenol-d6

Concen: 36.856 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Instrument :

BNA_F

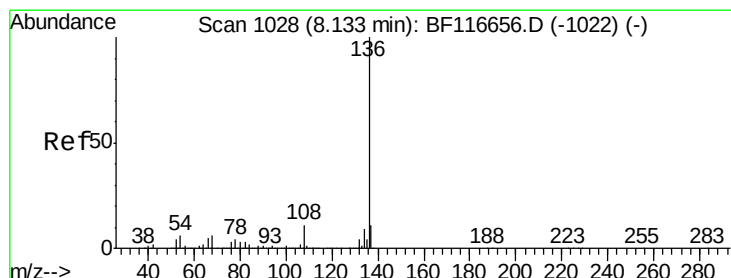
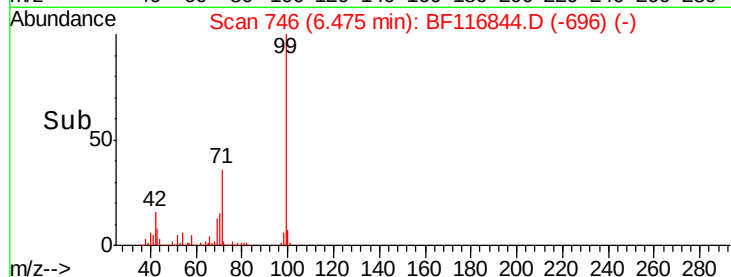
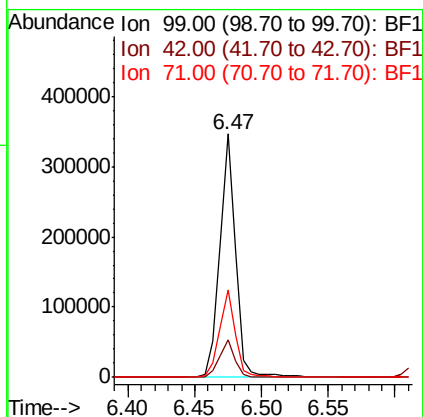
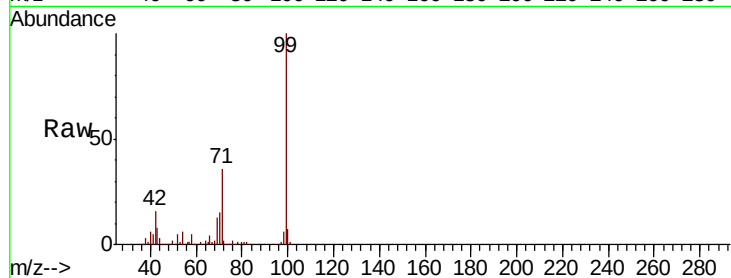
ClientSampleId :

T5-1-4-(0-2.5)

Tot Ion:	99	Resp:	292017
Ion Ratio	Lower	Upper	
99	100		
42	15.5	13.7	20.5
71	36.0	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

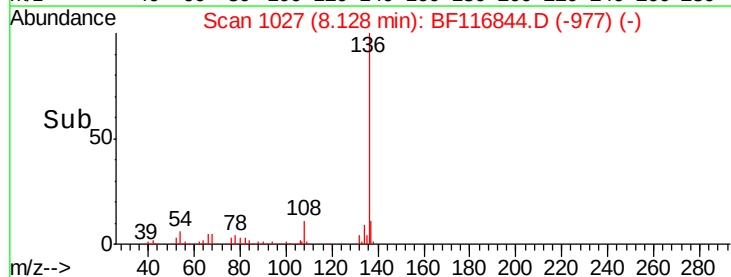
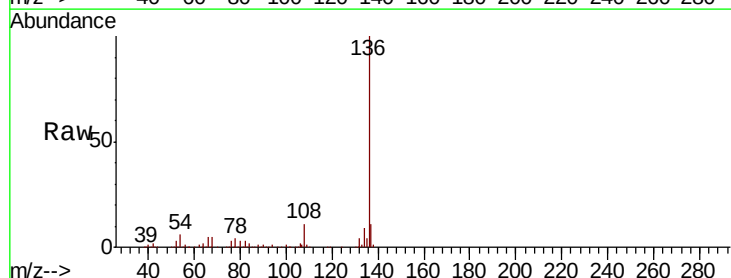
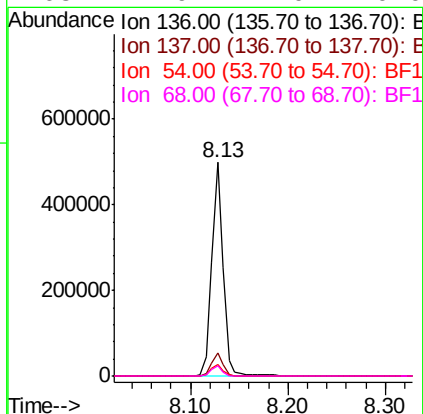
RT: 8.13 min Scan# 1027

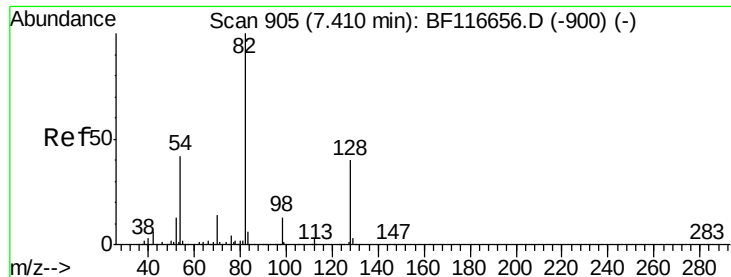
Delta R.T. -0.01 min

Lab File: BF116844.D

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Tgt Ion:	136	Resp:	403693
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	5.5	4.8	7.2
68	4.9	4.0	6.0





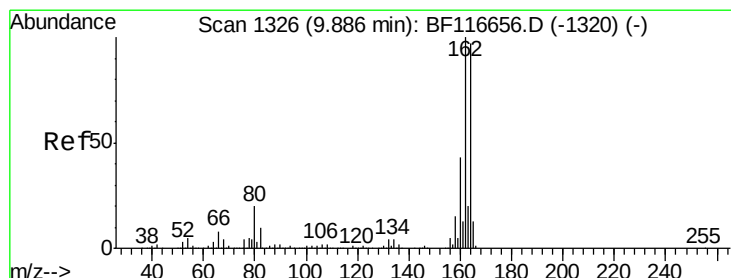
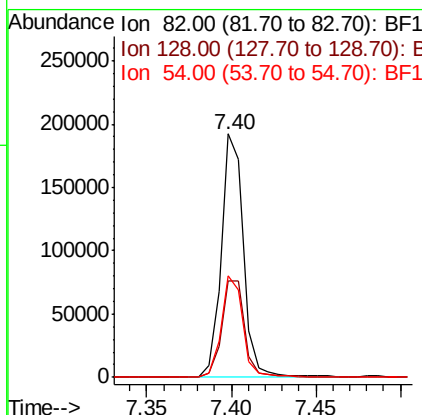
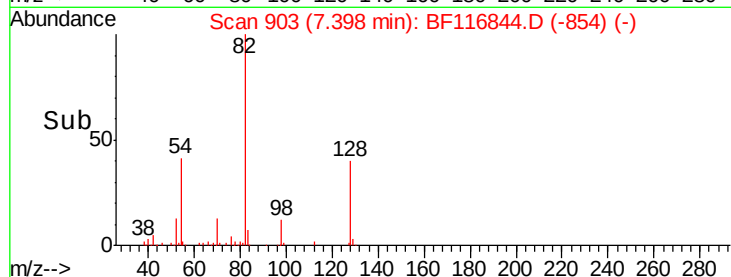
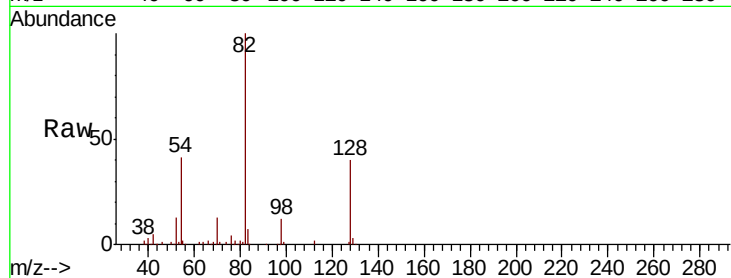
#23
Nitrobenzene-d5
Concen: 24.927 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116844.D
Acq: 5 Sep 2019 18:01

Instrument :
BNA_F
ClientSampleId :
T5-1-4-(0-2.5)

Tot Ion	82	Resp	176271
Ion Ratio	Lower	Upper	
82	100		
128	39.8	32.8	49.2
54	41.5	36.9	55.3

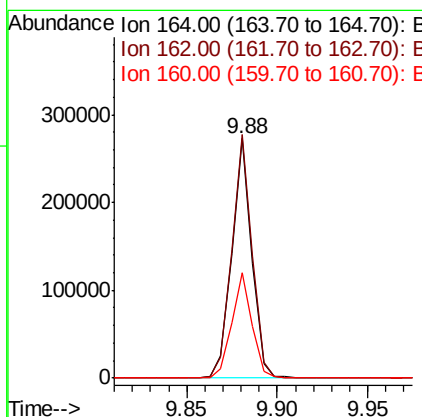
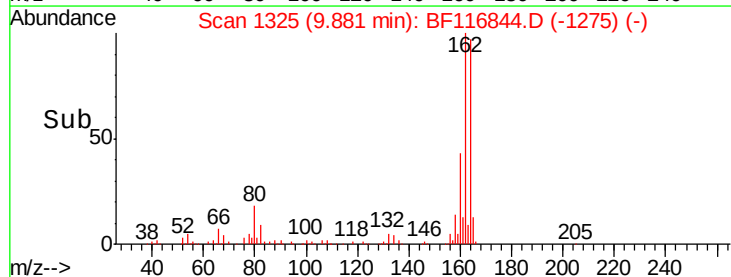
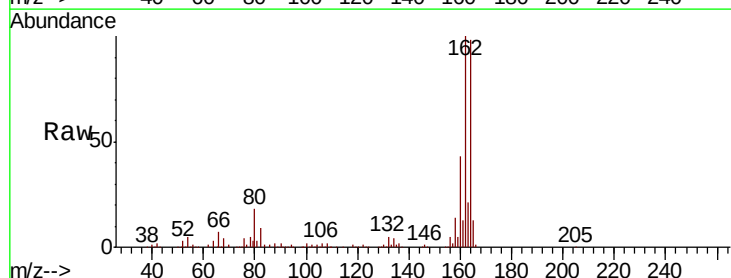
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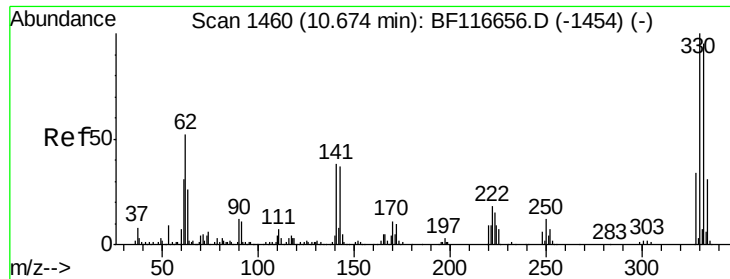
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116844.D
Acq: 5 Sep 2019 18:01

Tgt Ion	164	Resp	209281
Ion Ratio	Lower	Upper	
164	100		
162	101.8	81.4	122.0
160	44.1	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 39.938 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Instrument :

BNA_F

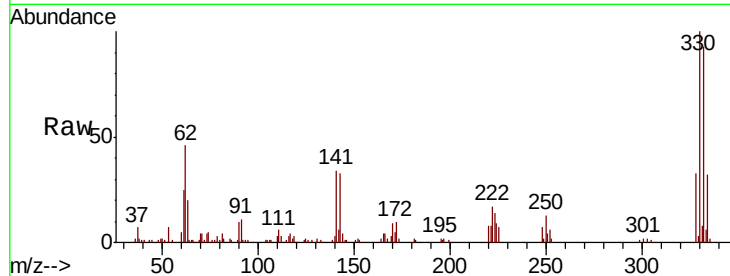
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T5-1-4-(0-2.5)

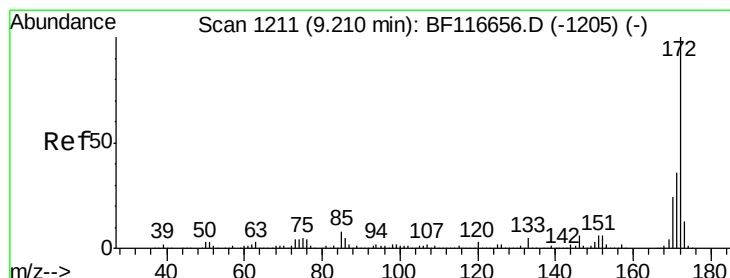
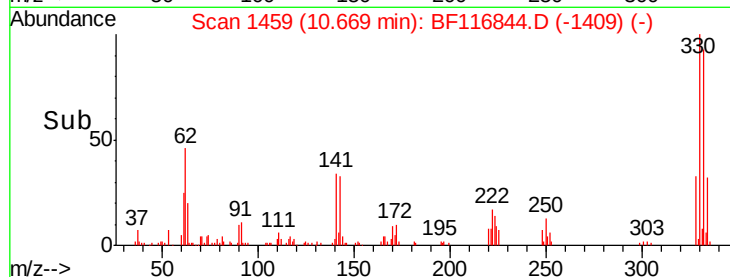
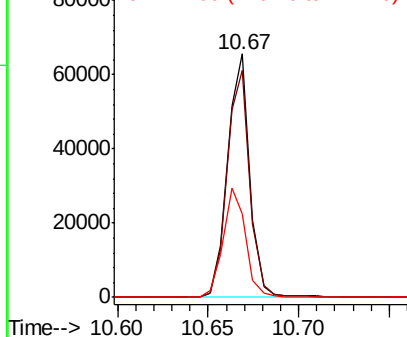
Tot Ion:	330	Resp:	55877
Ion Ratio	Lower	Upper	
330	100		
332	95.2	76.9	115.3
141	44.8	31.4	47.2

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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: 26.188 ng

RT: 9.20 min Scan# 1209

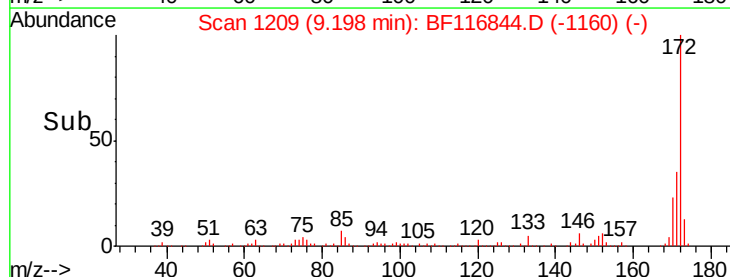
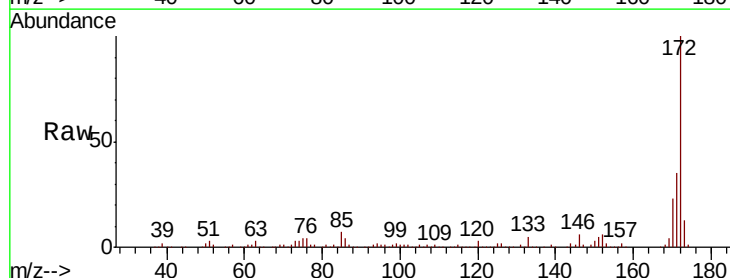
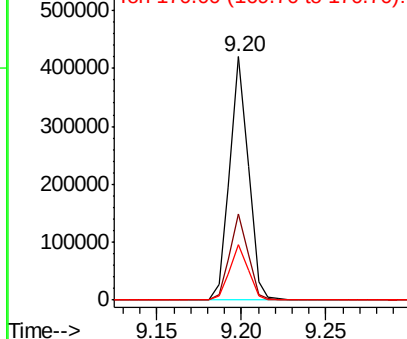
Delta R.T. -0.01 min

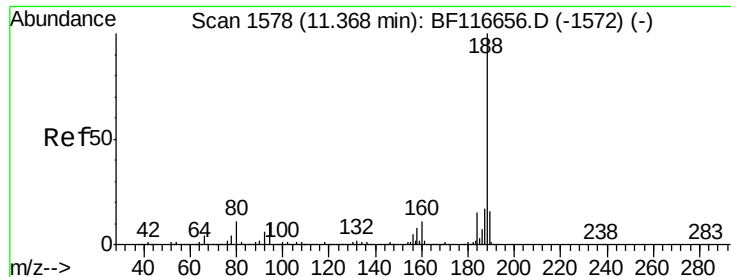
Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Tgt Ion:	172	Resp:	324900
Ion Ratio	Lower	Upper	
172	100		
171	35.4	27.8	41.6
170	23.0	18.9	28.3

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Instrument :

BNA_F

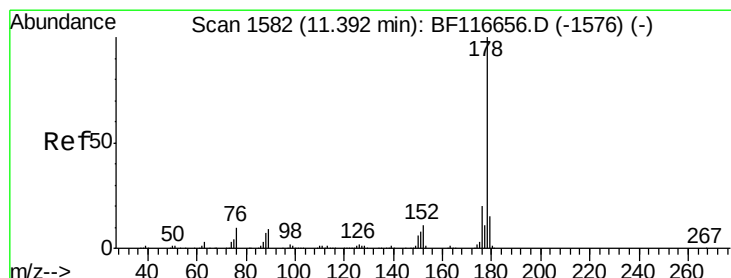
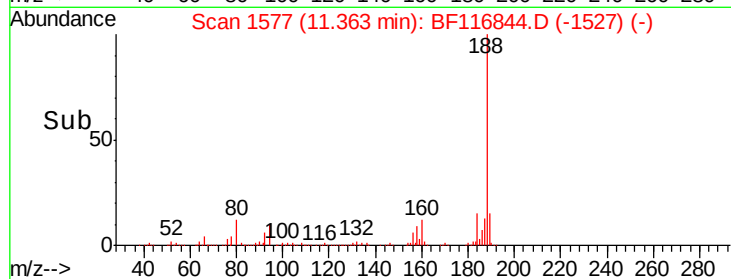
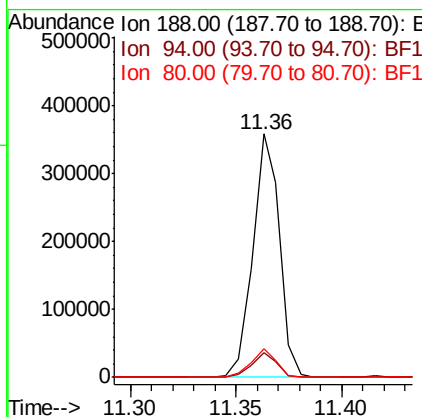
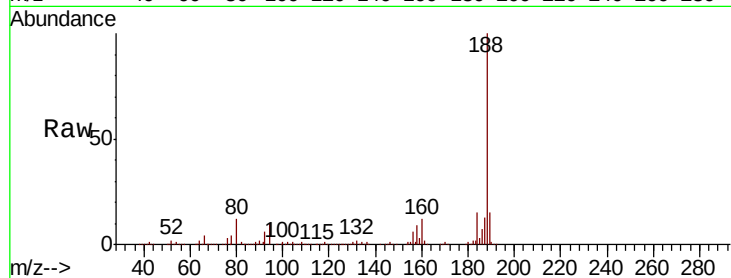
ClientSampleId :

T5-1-4-(0-2.5)

Tot Ion:	188	Resp:	313341
Ion Ratio	Lower	Upper	
188	100		
94	10.3	7.3	10.9
80	11.6	8.4	12.6

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#71

Phenanthrene

Concen: 4.622 ng

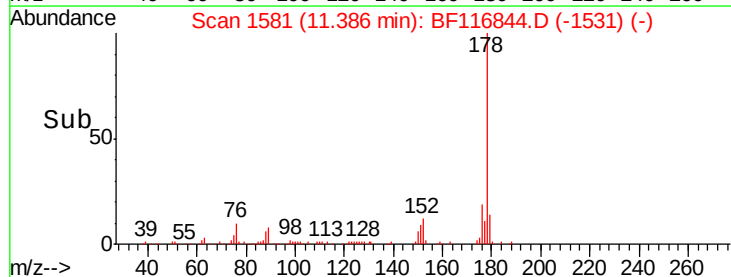
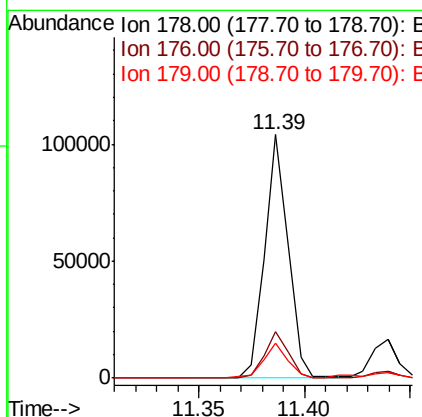
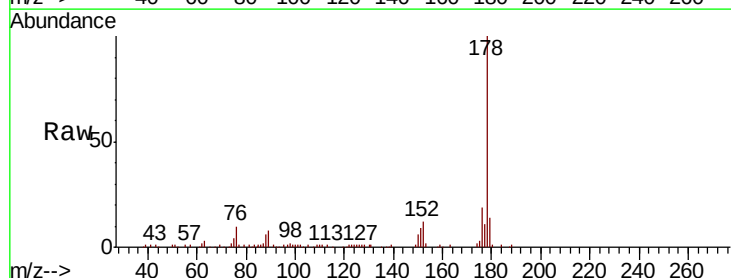
RT: 11.39 min Scan# 1581

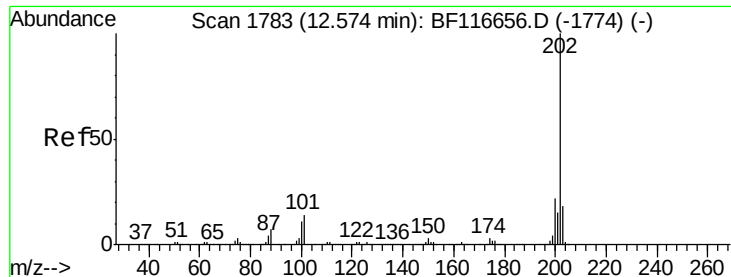
Delta R.T. -0.01 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Tgt Ion:	178	Resp:	80619
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.4	23.0
179	14.3	12.2	18.2





#75

Fluoranthene

Concen: 14.159 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Instrument :

BNA_F

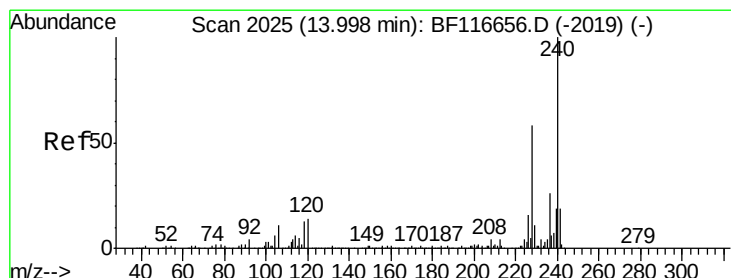
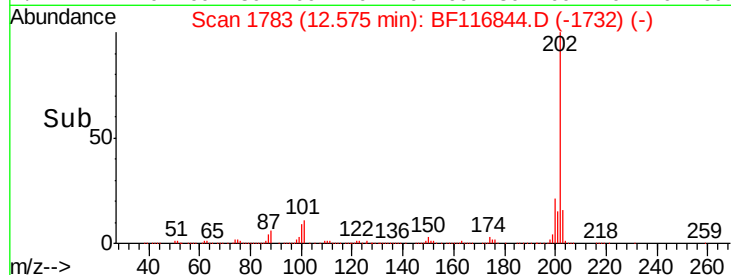
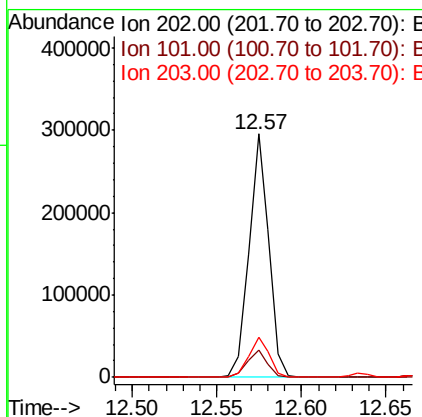
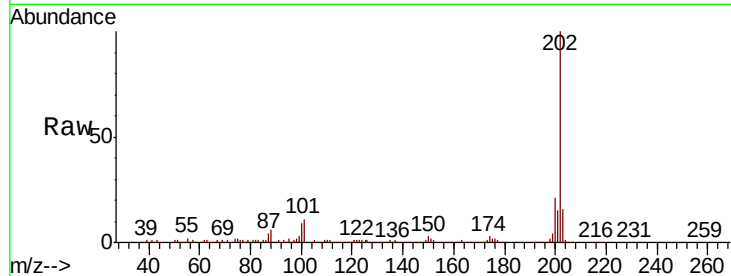
ClientSampleId :

T5-1-4-(0-2.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		242708		
101	11.3	0.0	31.3		
203	16.3	0.0	37.6		

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#76

Chrysene-d12

Concen: 20.000 ng

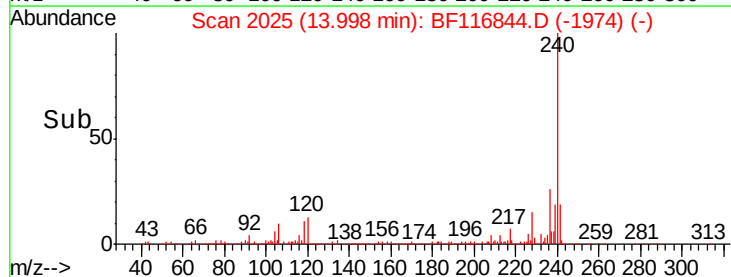
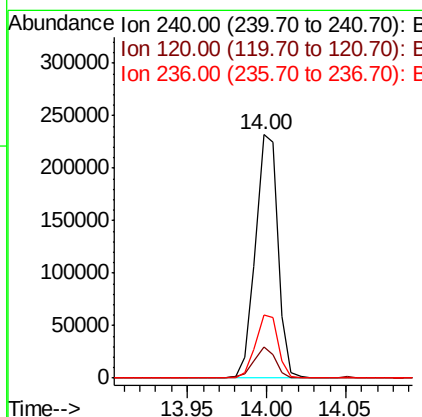
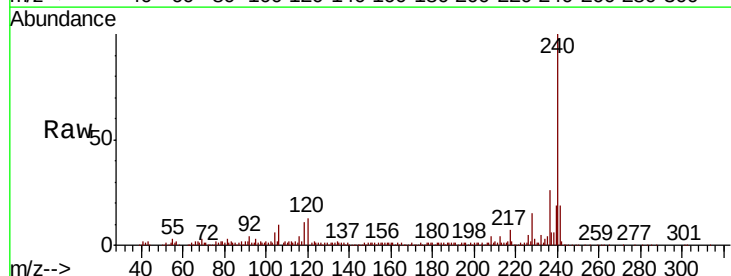
RT: 14.00 min Scan# 2025

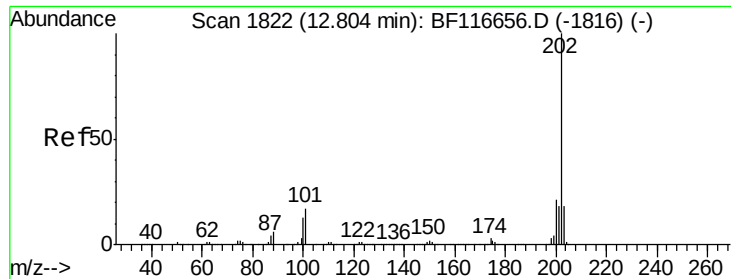
Delta R.T. 0.00 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		230688		
120	12.8	9.1	13.7		
236	25.8	21.1	31.7		





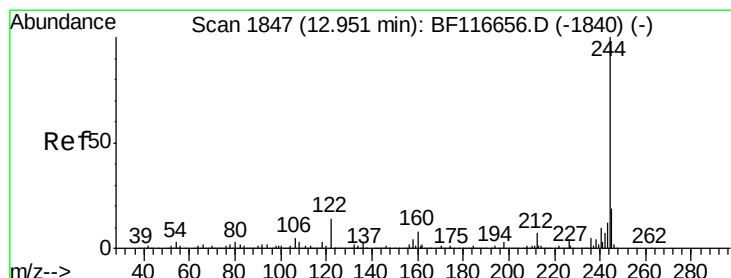
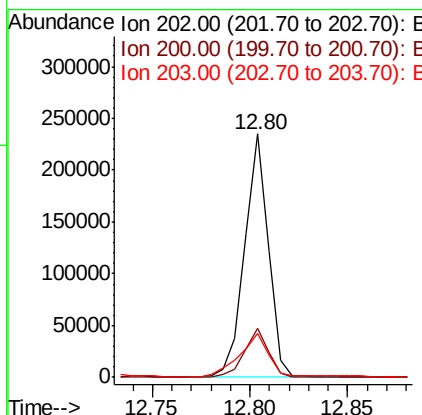
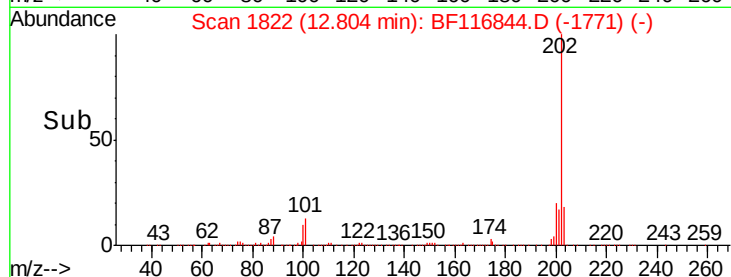
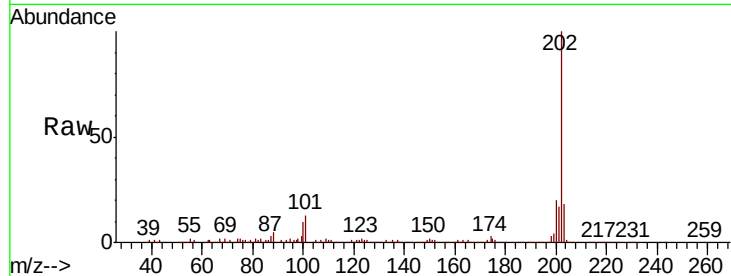
#78
Pvrene
Concen: 9.736 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116844.D
Acq: 5 Sep 2019 18:01

Instrument :
BNA_F
ClientSampleId :
T5-1-4-(0-2.5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.5	24.7
203	17.8	13.7	20.5

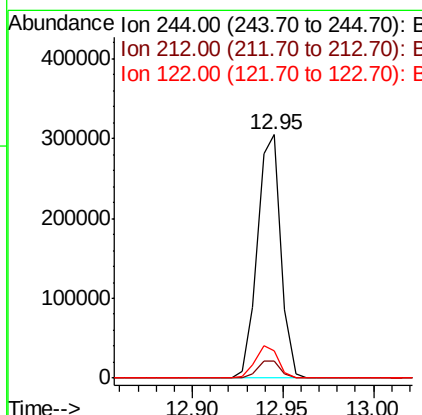
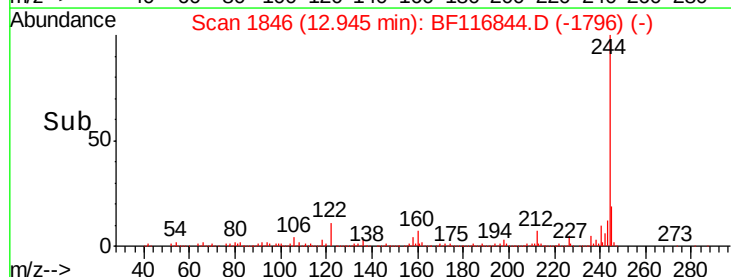
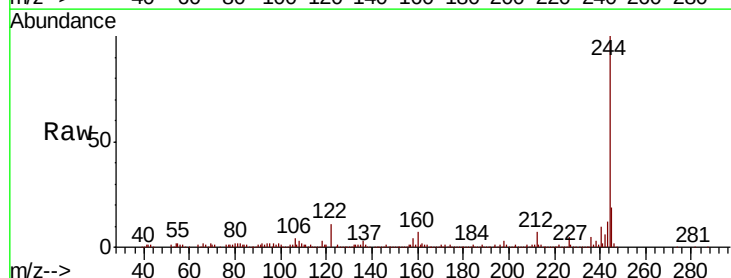
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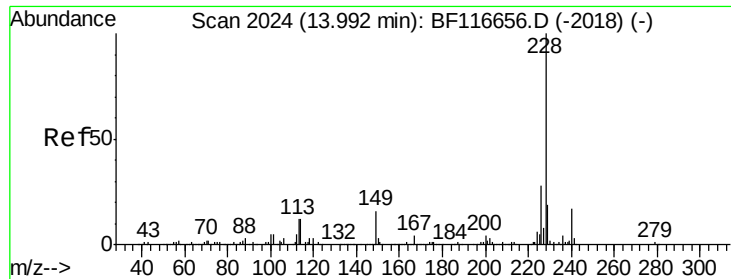
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#79
Terphenyl-d14
Concen: 21.991 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116844.D
Acq: 5 Sep 2019 18:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.1	9.1
122	11.1	10.2	15.4





#81

Benzo(a)anthracene

Concen: 6.790 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Instrument :

BNA_F

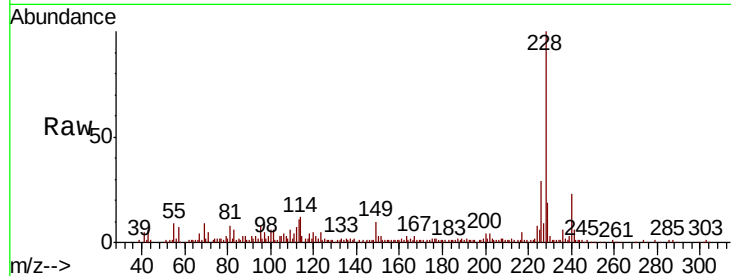
ClientSampled :

T5-1-4-(0-2.5)

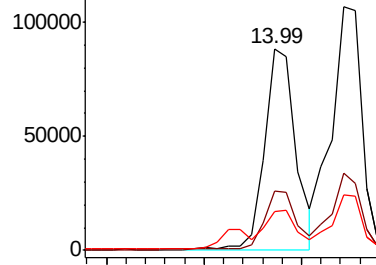
Tot Ion:	228	Resp:	99136
Ion Ratio	Lower	Upper	
228	100		
226	29.2	22.0	33.0
229	19.2	16.4	24.6

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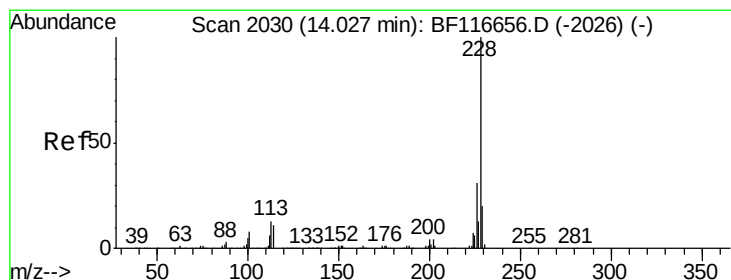
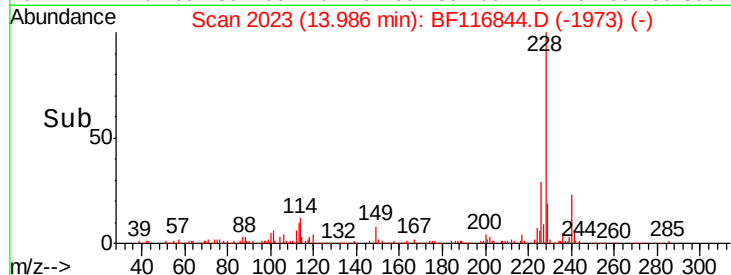
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->



#83

Chrysene

Concen: 7.721 ng

RT: 14.02 min Scan# 2029

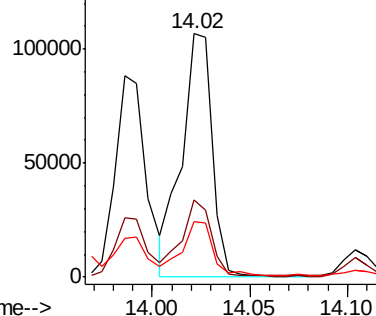
Delta R.T. -0.01 min

Lab File: BF116844.D

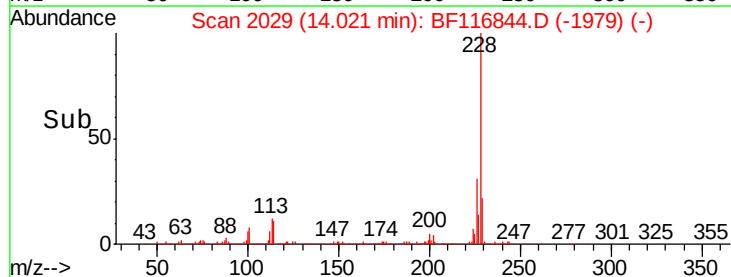
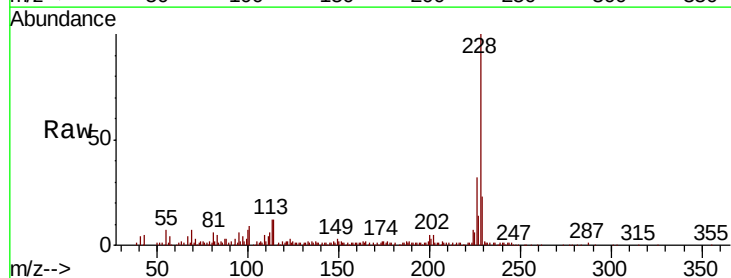
Acq: 5 Sep 2019 18:01

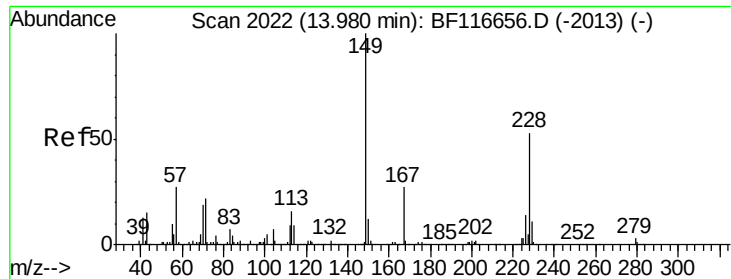
Tgt Ion:	228	Resp:	116133
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.0	36.0
229	22.9	15.4	23.0

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



Time-->





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.207 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Instrument :

BNA_F

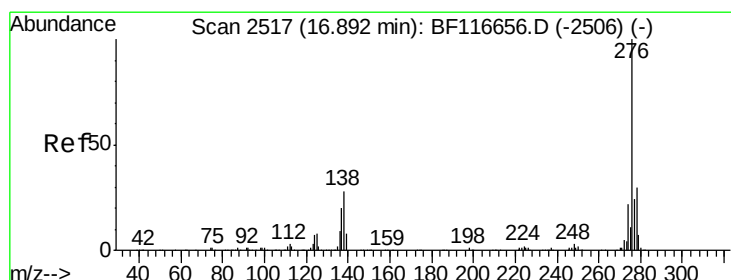
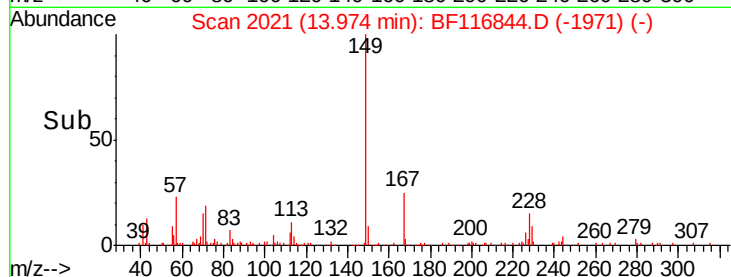
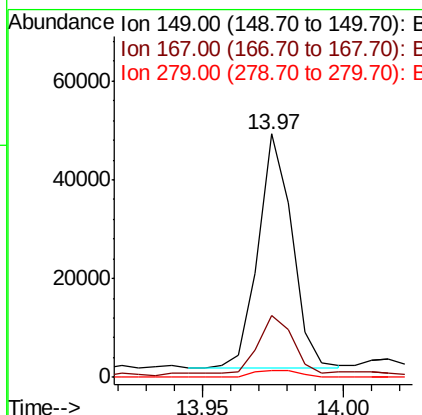
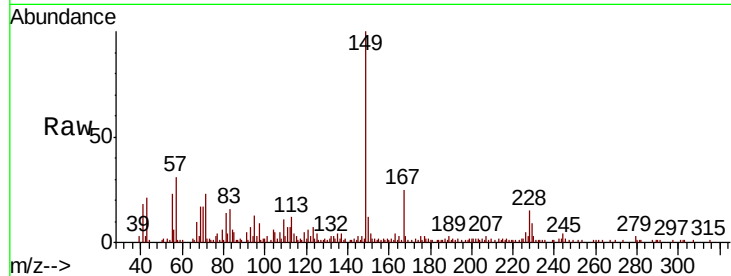
ClientSampleId :

T5-1-4-(0-2.5)

Tot Ion:	149	Resp:	39473
Ion Ratio	Lower	Upper	
149	100		
167	25.2	21.0	31.4
279	3.0	2.8	4.2

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#86

Indeno(1,2,3-cd)pyrene

Concen: 4.518 ng

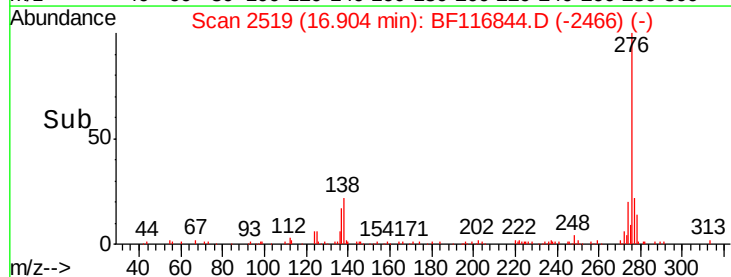
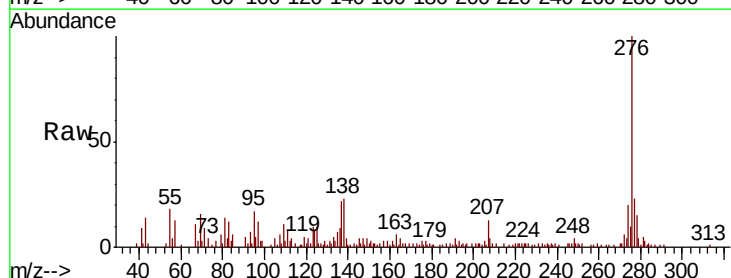
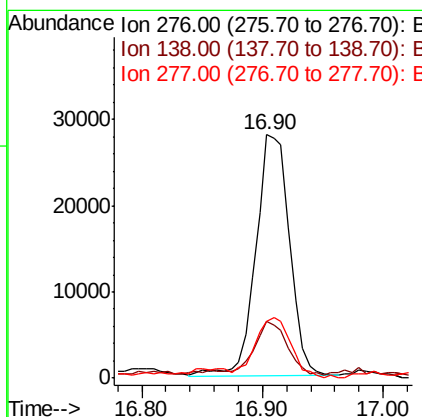
RT: 16.90 min Scan# 2519

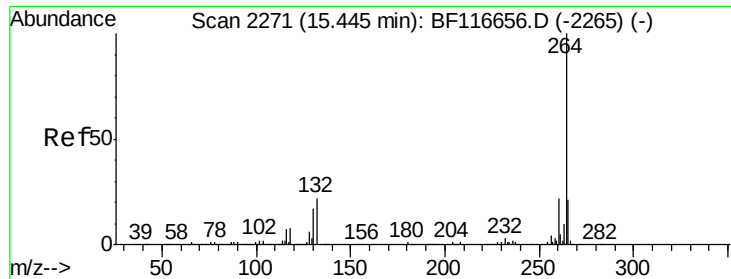
Delta R.T. 0.01 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Tgt Ion:	276	Resp:	54583
Ion Ratio	Lower	Upper	
276	100		
138	21.2	19.4	29.2
277	26.9	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: BF116844.D

Acq: 5 Sep 2019 18:01

Instrument :

BNA_F

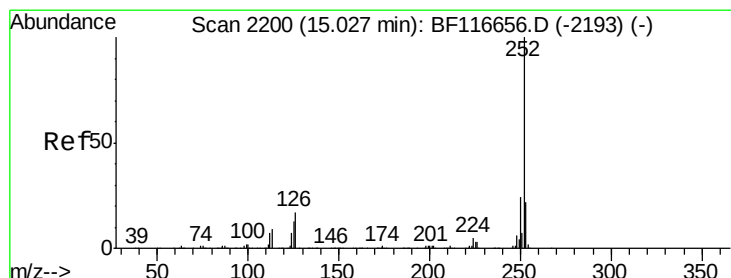
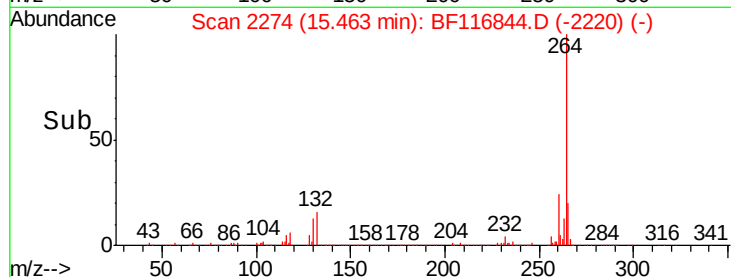
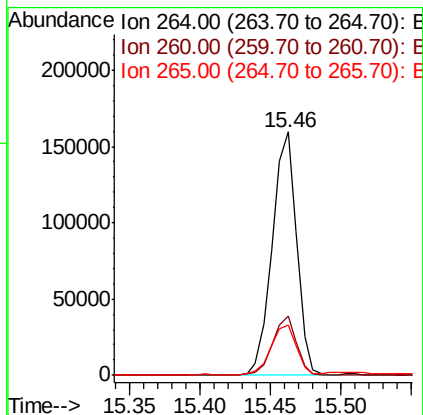
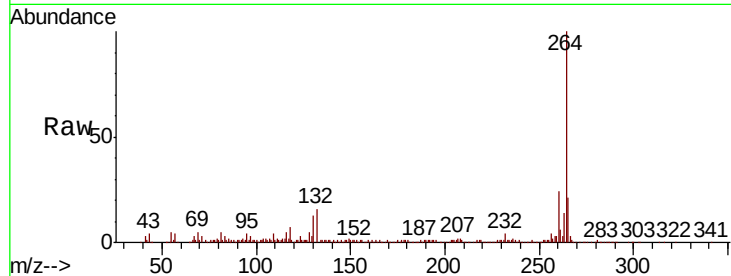
ClientSampleId :

T5-1-4-(0-2.5)

Tot Ion:	264	Resp:	194890
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.3	27.5
265	20.9	16.5	24.7

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#88

Benzo(b)fluoranthene

Concen: 12.976 ng m

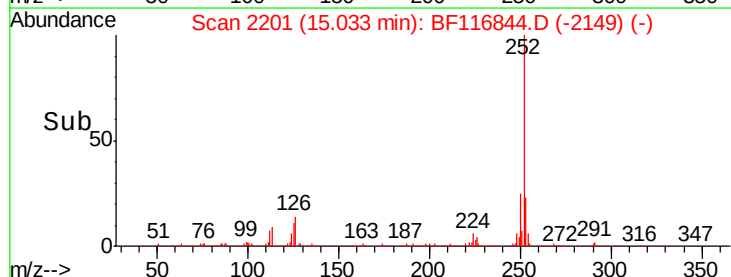
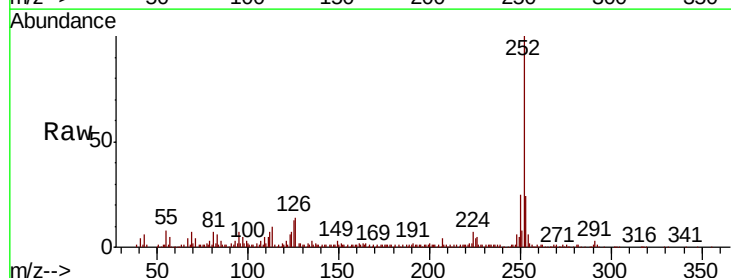
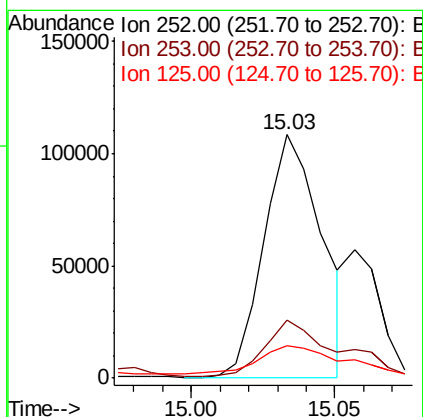
RT: 15.03 min Scan# 2201

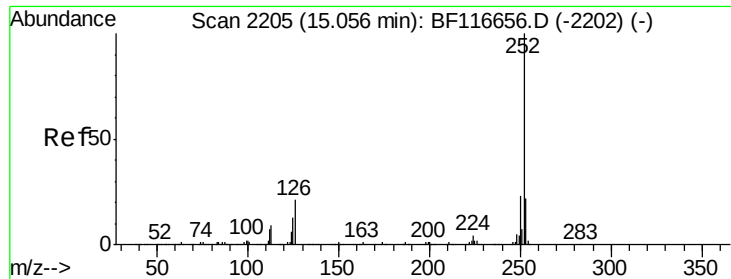
Delta R.T. 0.01 min

Lab File: BF116844.D

Acq: 5 Sep 2019 18:01

Tgt Ion:	252	Resp:	152898
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.7	26.5
125	13.2	8.2	12.2#





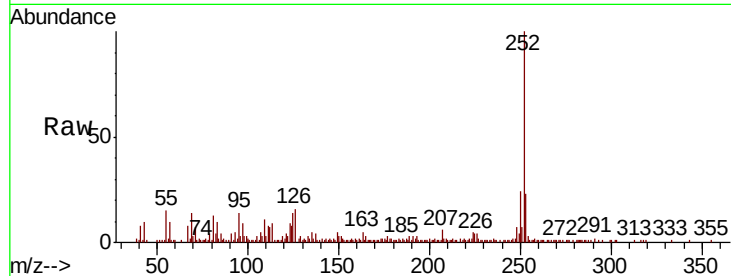
#89
Benzo(k)fluoranthene
Concen: 4.294 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BF116844.D
Acq: 5 Sep 2019 18:01

Instrument :
BNA_F
ClientSampleId :
T5-1-4-(0-2.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	14.0	8.6	13.0

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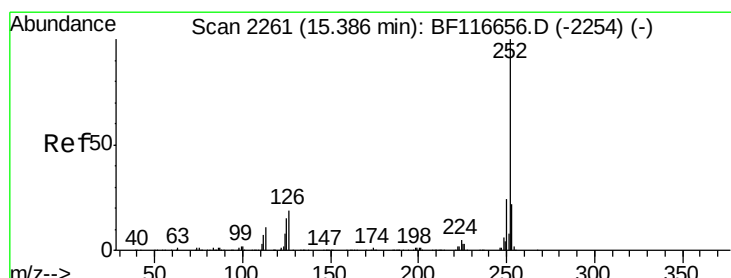
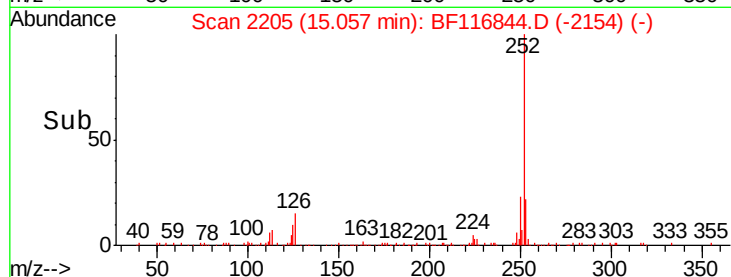
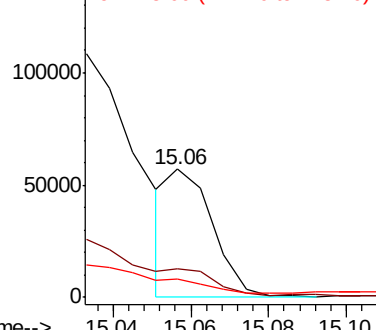


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 7.527 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF116844.D
Acq: 5 Sep 2019 18:01

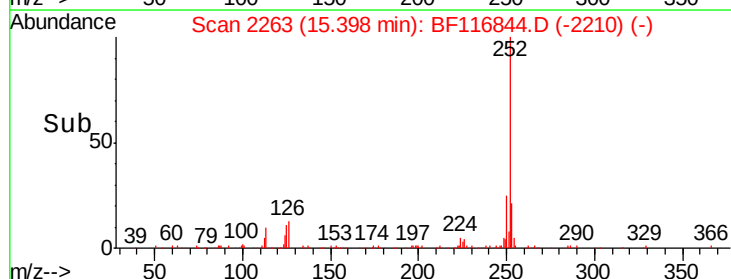
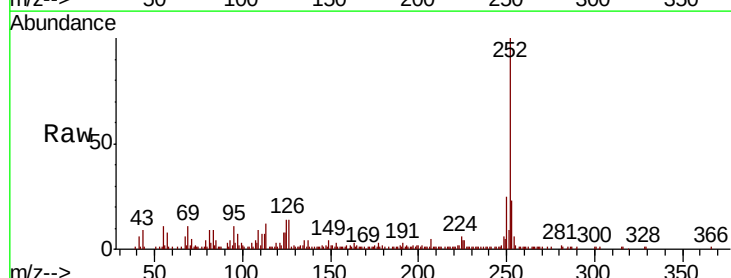
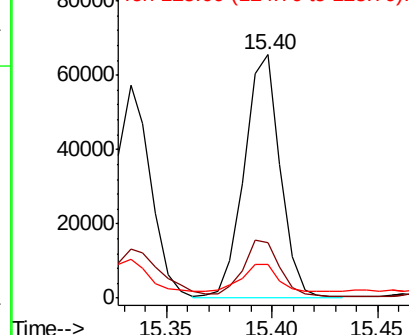
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	13.9	9.8	14.8

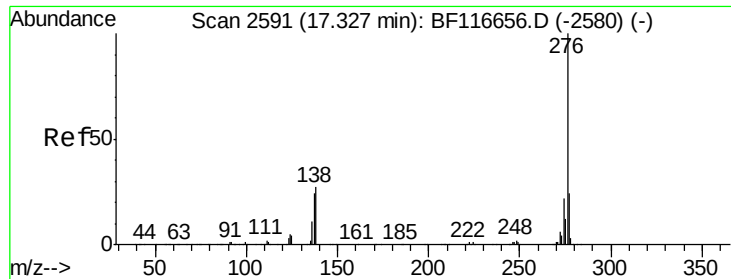
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 5.581 ng
 RT: 17.35 min Scan# 2595
 Delta R.T. 0.02 min
 Lab File: BF116844.D
 Acq: 5 Sep 2019 18:01

Instrument :
 BNA_F
 ClientSampleId :
 T5-1-4-(0-2.5)

Tot Ion:	276	Resp:	51071
Ion Ratio	Lower	Upper	
276	100		
277	25.4	18.5	27.7
138	25.4	16.2	24.2#

Manual Integrations
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