

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
 Data File : BF116845.D
 Acq On : 5 Sep 2019 18:28
 Operator : HP/JU
 Sample : K4694-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T3-1-3-(0-1.5)

Manual Integrations
 APPROVED

mohammad
 9/10/2019 9:52:36 AM

Quant Time: Sep 06 05:07:53 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	90496	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	377363	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	192894	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	299243	20.00	ng	0.00
76) Chrysene-d12	14.00	240	213573	20.00	ng	0.00
87) Perylene-d12	15.46	264	170467	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	363990	65.16	ng	0.00
7) Phenol-d6	6.48	99	503504	68.64	ng	0.00
23) Nitrobenzene-d5	7.40	82	304201	46.02	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	101996	79.10	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	547320	47.86	ng	-0.01
79) Terphenyl-d14	12.94	244	465952	40.36	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	63771	4.789	ng	97
71) Phenanthrene	11.39	178	63670	3.822	ng	99
75) Fluoranthene	12.57	202	112682	6.883	ng	98
78) Pyrene	12.80	202	98117	5.168	ng	98
81) Benzo(a)anthracene	13.99	228	47348	3.503	ng	93
83) Chrysene	14.03	228	50450	3.623	ng	96
84) Bis(2-ethylhexyl)phthalate	13.97	149	47679	4.184	ng	99
88) Benzo(b)fluoranthene	15.03	252	61076m	5.926	ng	
90) Benzo(a)pyrene	15.40	252	30642	3.417	ng	# 93
92) Benzo(g,h,i)perylene	17.34	276	20521	2.564	ng	# 91

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

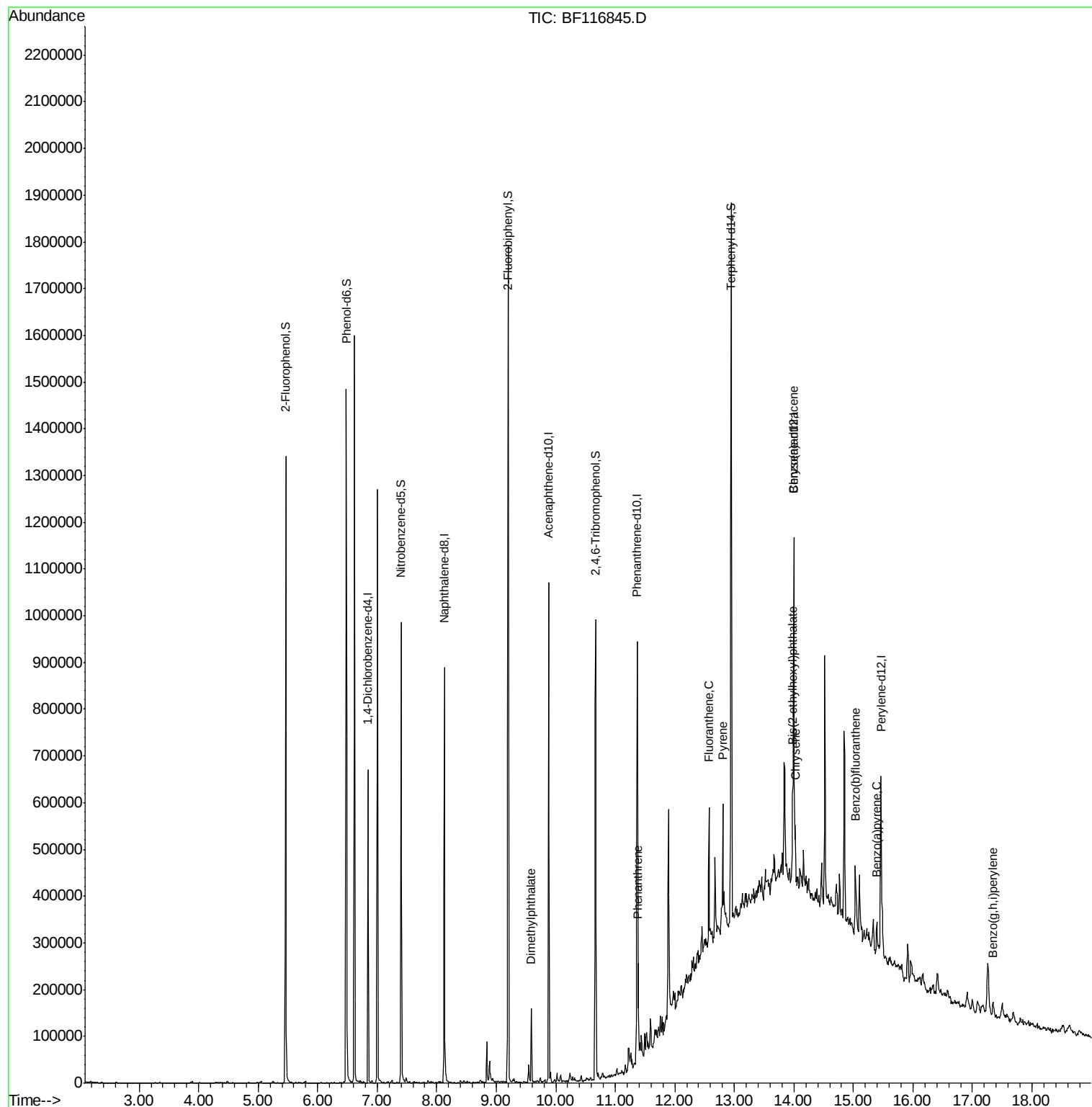
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116845.D
Acq On : 5 Sep 2019 18:28
Operator : HP/JU
Sample : K4694-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

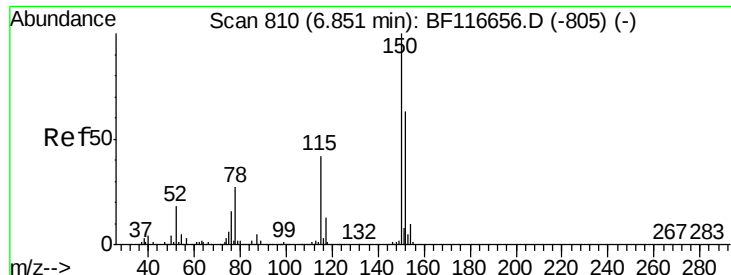
Instrument :
BNA_F
ClientSampleId :
T3-1-3-(0-1.5)

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#1

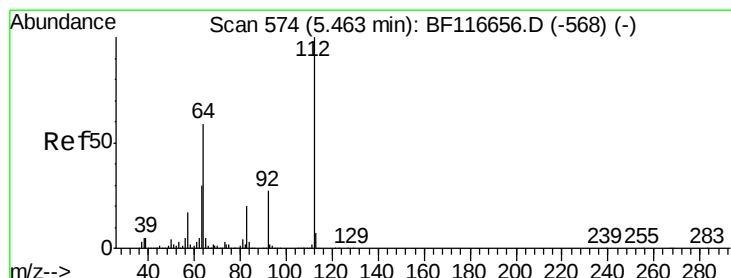
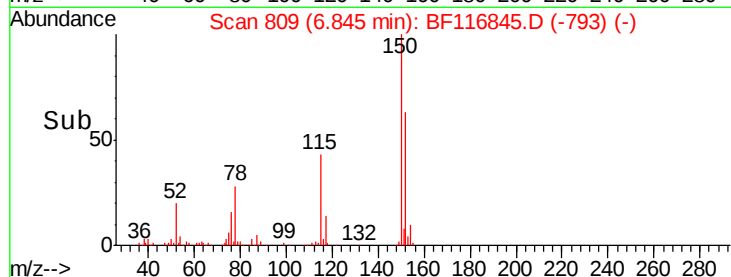
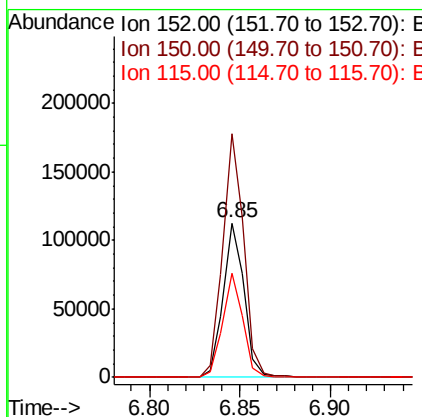
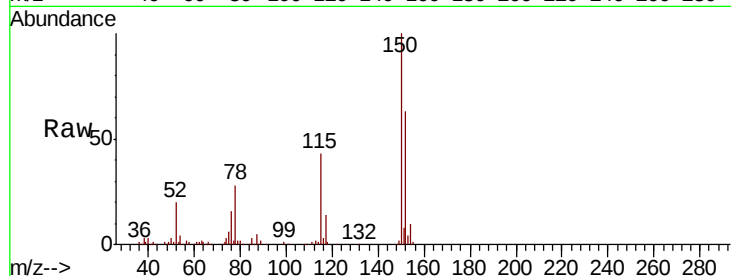
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

Instrument :
BNA_F
ClientSampleId :
T3-1-3-(0-1.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.4	186.6
115	67.2	49.9	74.9

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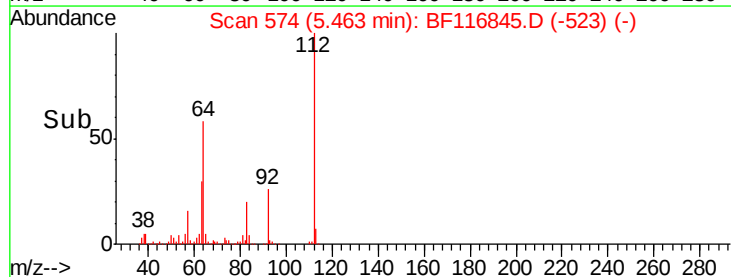
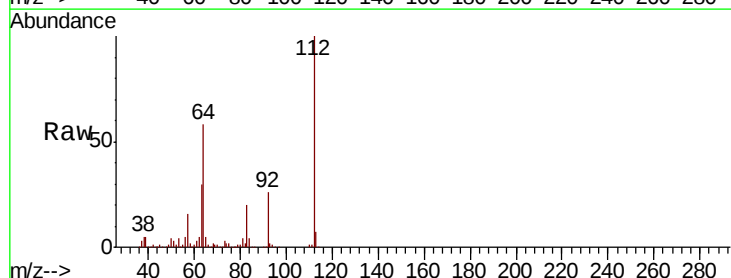
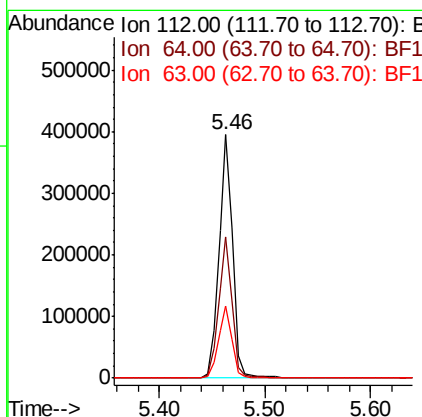
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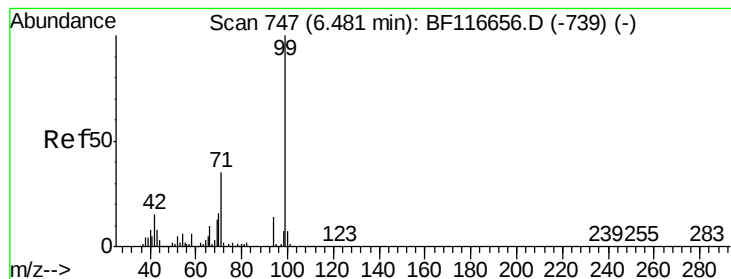


#5

2-Fluorophenol
Concen: 65.161 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.1	70.7
63	29.8	24.9	37.3





#7

Phenol-d6

Concen: 68.644 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116845.D

Acq: 5 Sep 2019 18:28

Instrument :

BNA_F

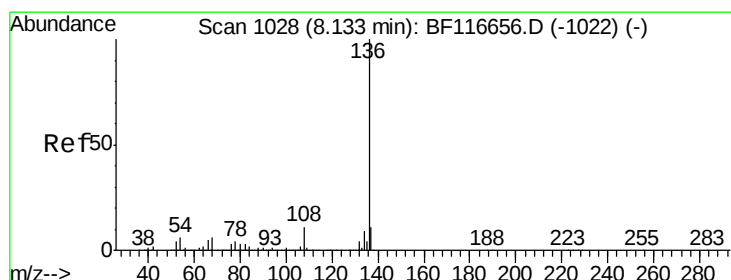
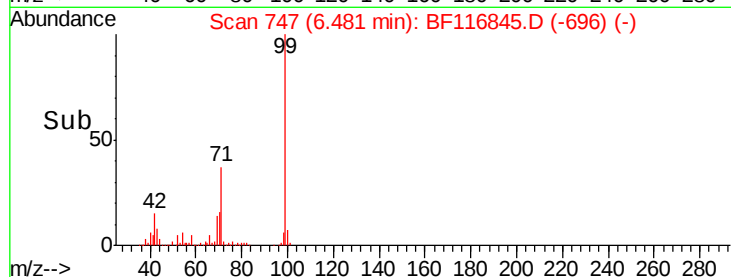
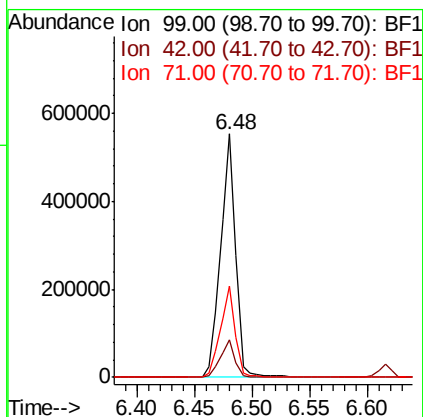
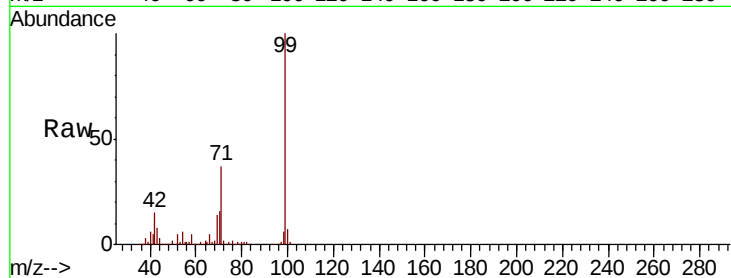
ClientSampleId :

T3-1-3-(0-1.5)

Tot Ion:	99	Resp:	503504
Ion Ratio	Lower	Upper	
99	100		
42	15.3	13.7	20.5
71	37.3	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

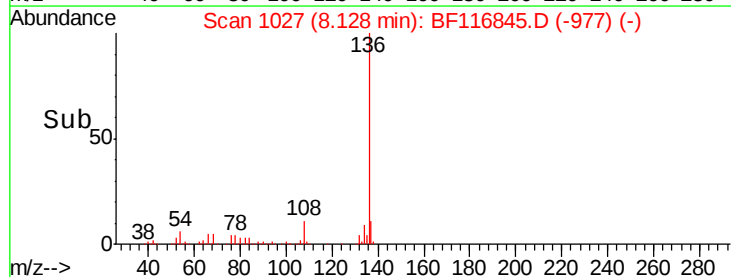
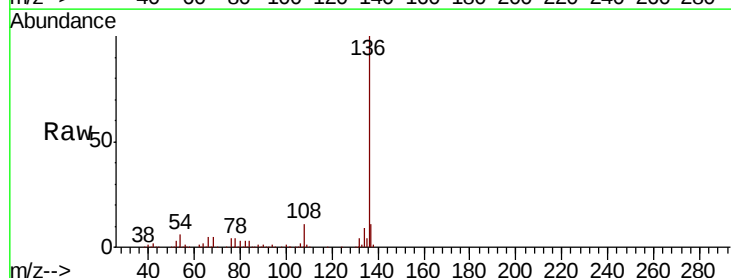
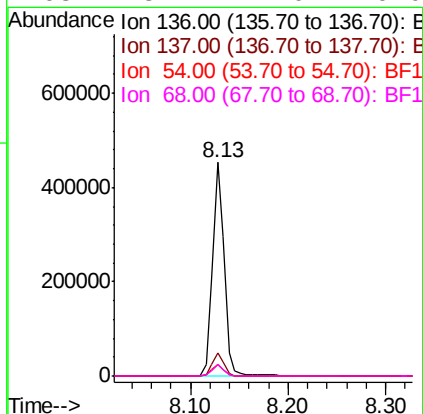
RT: 8.13 min Scan# 1027

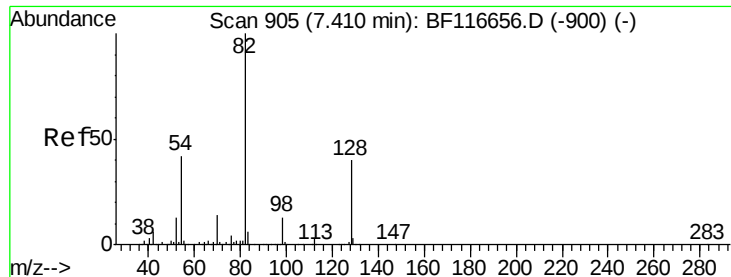
Delta R.T. -0.01 min

Lab File: BF116845.D

Acq: 5 Sep 2019 18:28

Tgt Ion:	136	Resp:	377363
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	5.7	4.8	7.2
68	5.2	4.0	6.0





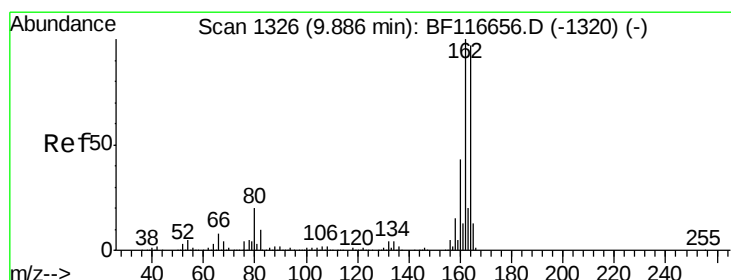
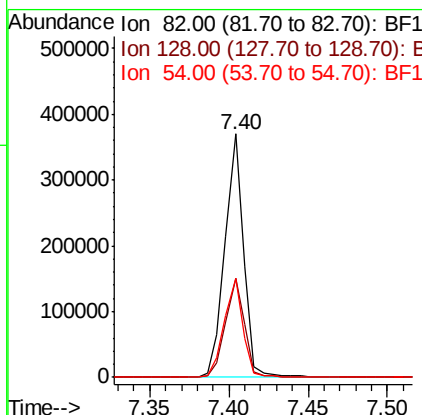
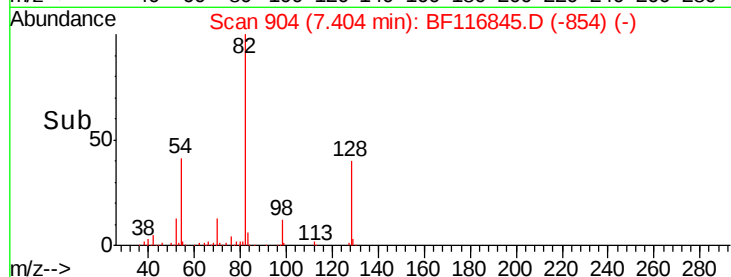
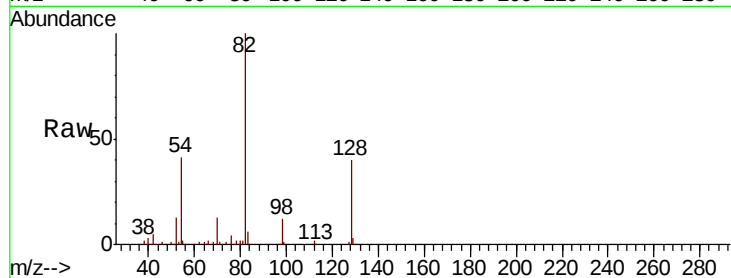
#23
Nitrobenzene-d5
Concen: 46.019 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

Instrument :
BNA_F
ClientSampled :
T3-1-3-(0-1.5)

Tot Ion	82	Resp	304201
Ion Ratio	Lower	Upper	
82	100		
128	40.4	32.8	49.2
54	40.5	36.9	55.3

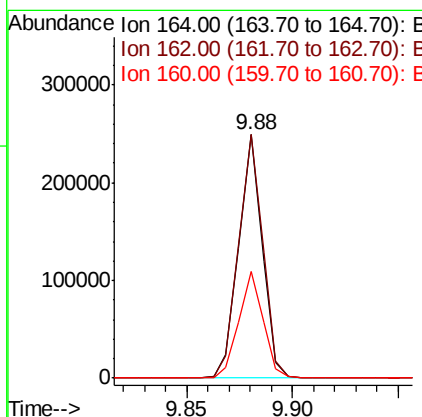
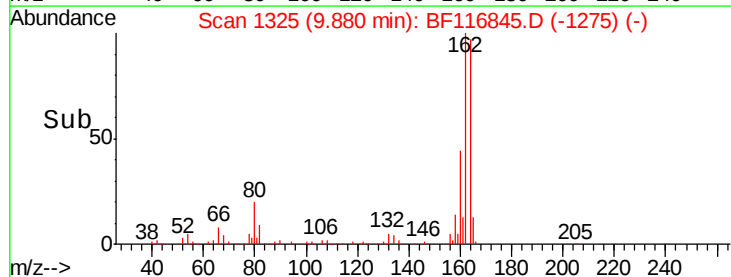
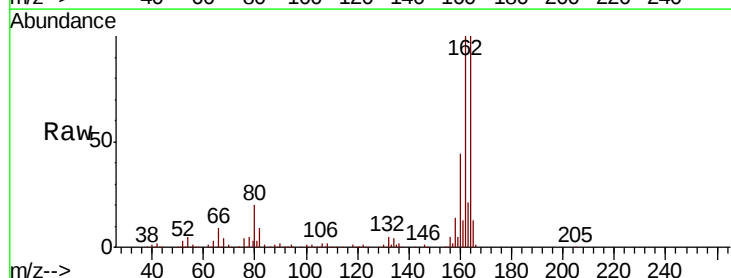
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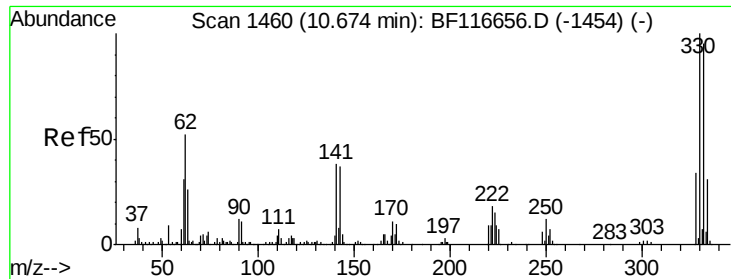
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

Tgt Ion	164	Resp	192894
Ion Ratio	Lower	Upper	
164	100		
162	99.9	81.4	122.0
160	43.9	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 79.095 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116845.D

Acq: 5 Sep 2019 18:28

Instrument :

BNA_F

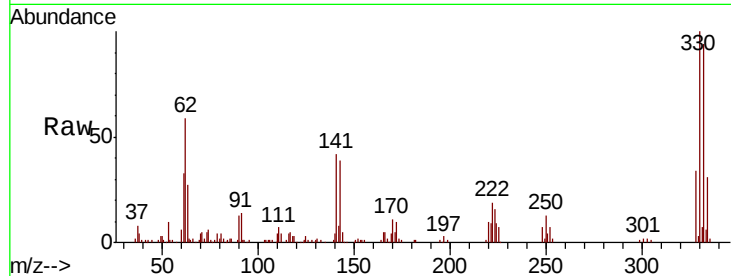
ClientSampleId :

T3-1-3-(0-1.5)

Tot Ion:	330	Resp:	101996
Ion Ratio	Lower	Upper	
330	100		
332	93.2	76.9	115.3
141	44.1	31.4	47.2

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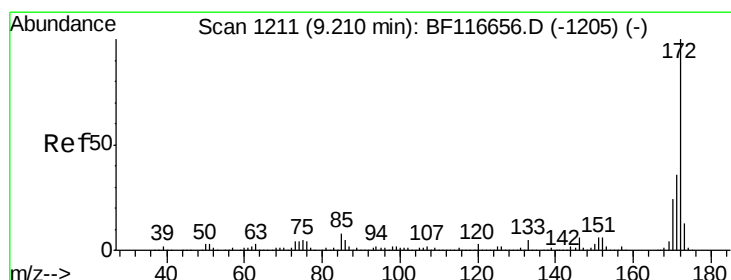
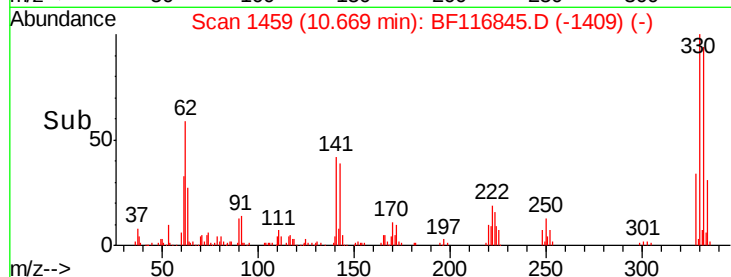
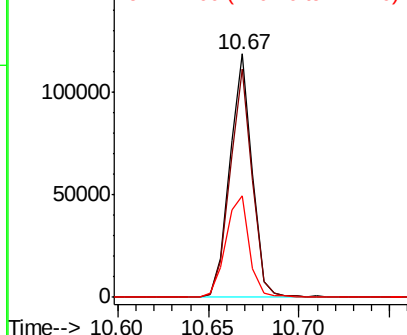


Abundance

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: 47.864 ng

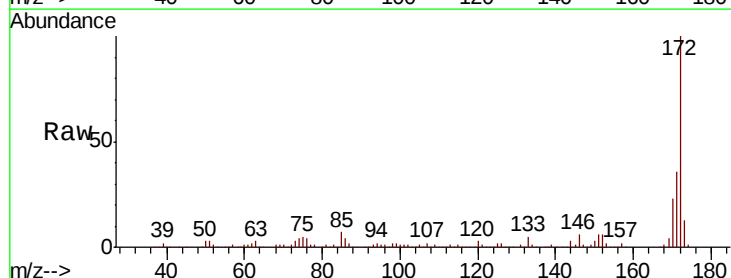
RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF116845.D

Acq: 5 Sep 2019 18:28

Tgt Ion:	172	Resp:	547320
Ion Ratio	Lower	Upper	
172	100		
171	35.6	27.8	41.6
170	22.7	18.9	28.3

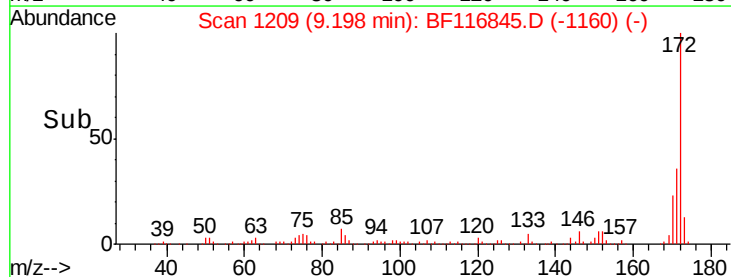
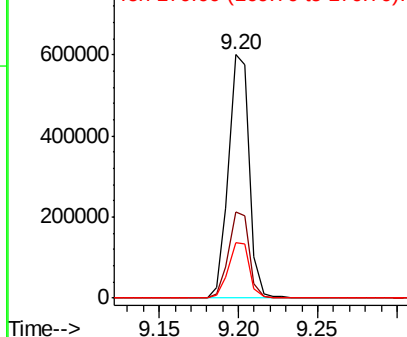


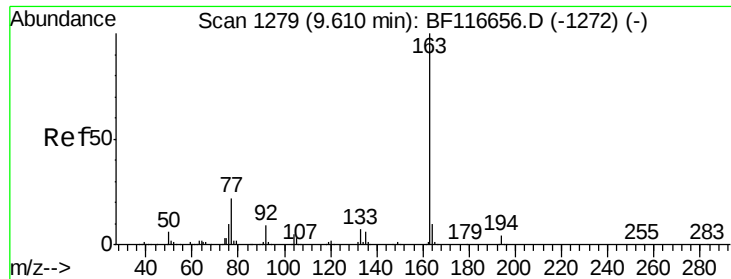
Abundance

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





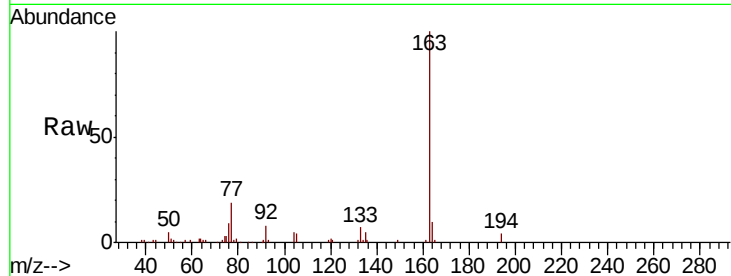
#50
Dimethylphthalate
Concen: 4.789 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

Instrument :
BNA_F
ClientSampleId :
T3-1-3-(0-1.5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	63771		
194	4.1		2.8	4.2
164	9.6		8.6	12.8

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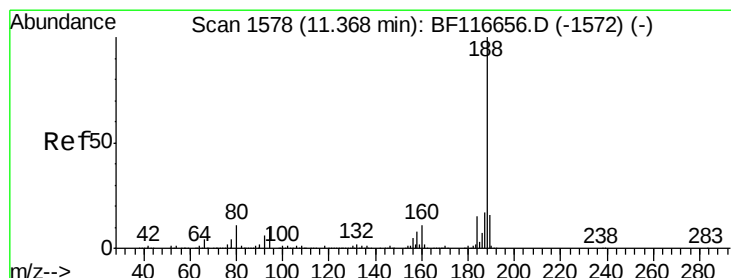
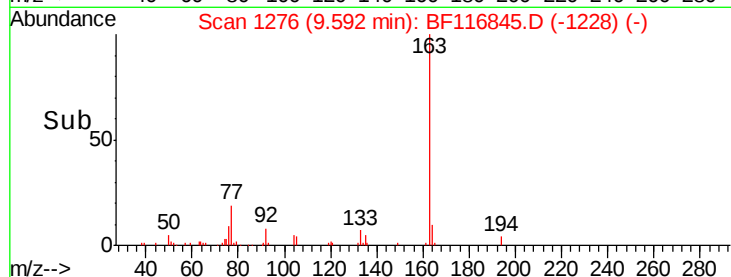
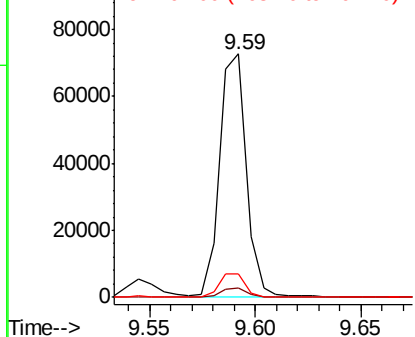


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

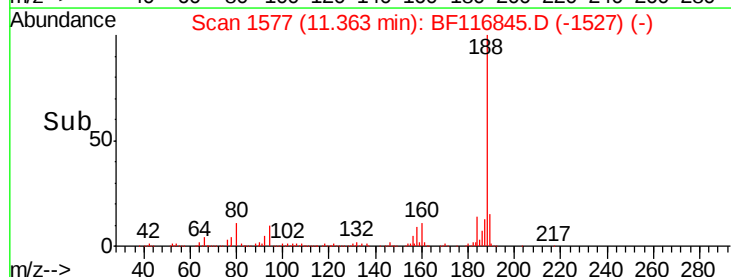
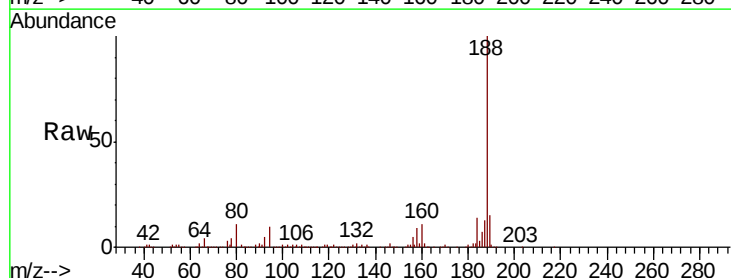
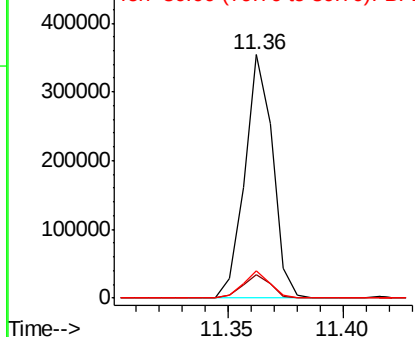
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	299243		
94	9.9		7.3	10.9
80	11.3		8.4	12.6

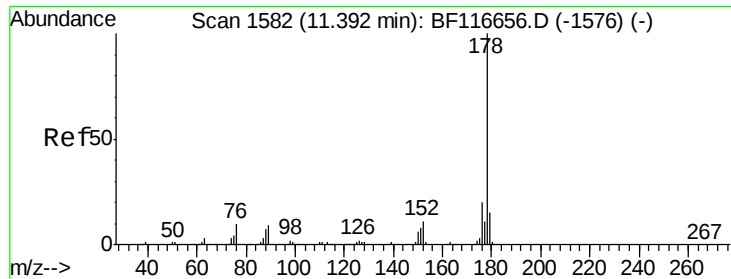
Abundance

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: 3.822 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116845.D

Acq: 5 Sep 2019 18:28

Instrument :

BNA_F

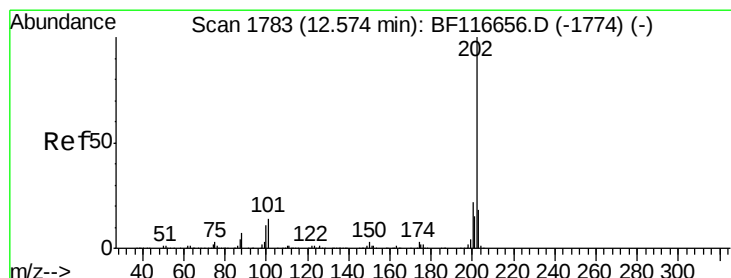
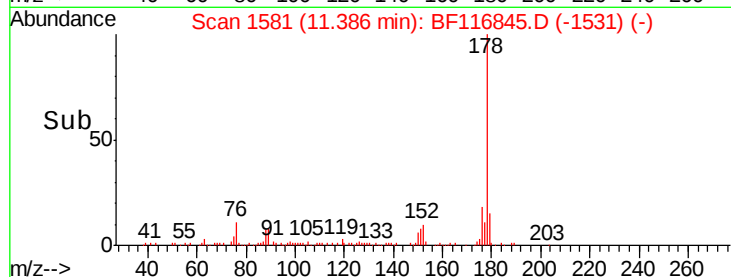
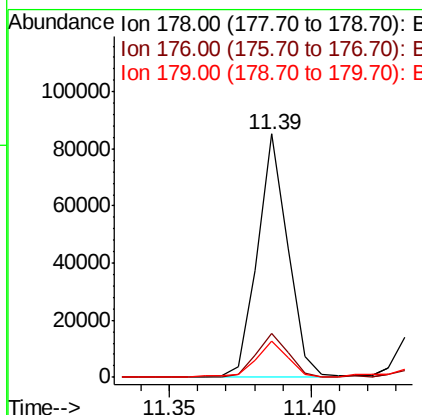
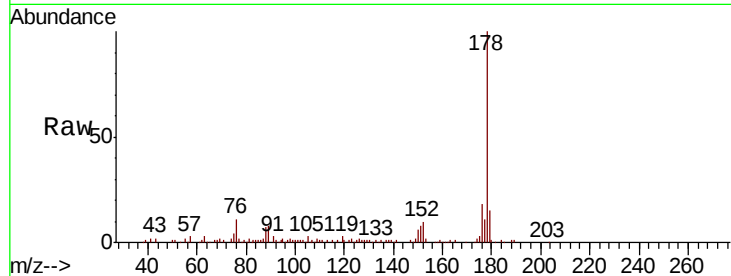
ClientSampleId :

T3-1-3-(0-1.5)

Tot Ion:178	Resp:	63670
Ion Ratio	Lower	Upper
178 100		
176 18.2	15.4	23.0
179 15.0	12.2	18.2

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#75

Fluoranthene

Concen: 6.883 ng

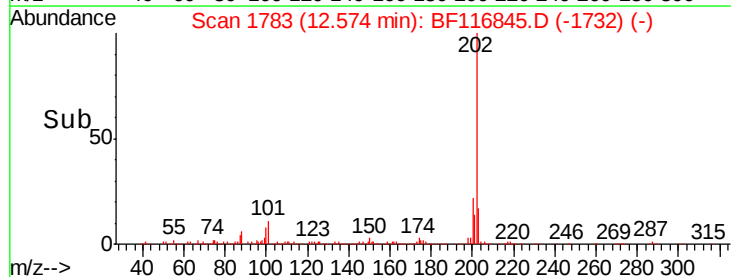
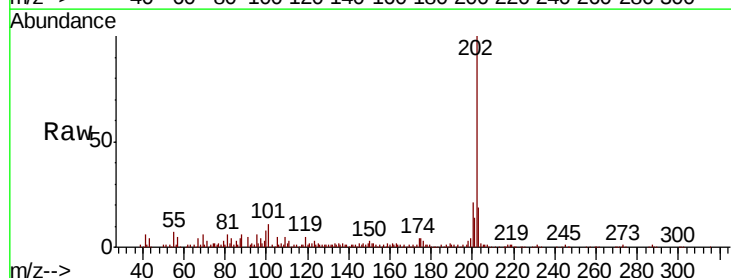
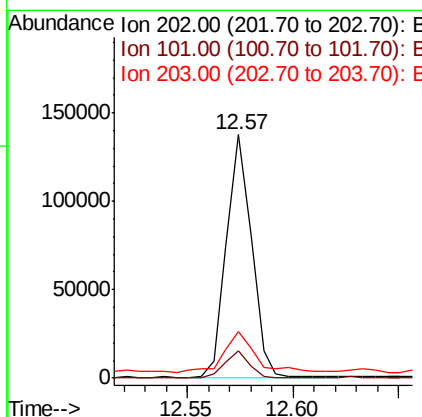
RT: 12.57 min Scan# 1783

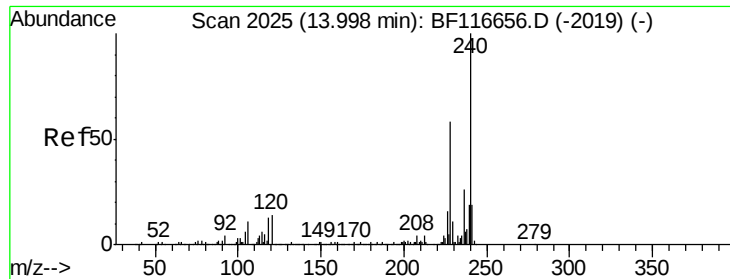
Delta R.T. 0.00 min

Lab File: BF116845.D

Acq: 5 Sep 2019 18:28

Tgt Ion:202	Resp:	112682
Ion Ratio	Lower	Upper
202 100		
101 11.2	0.0	31.3
203 19.0	0.0	37.6





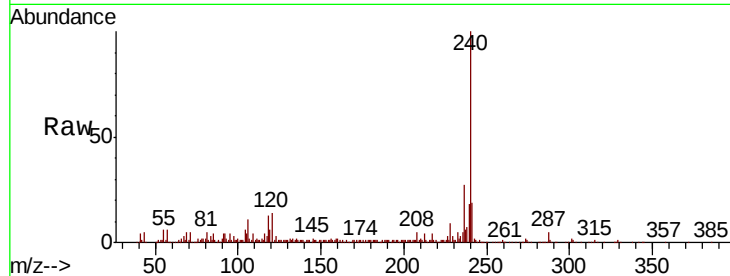
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

Instrument :
BNA_F
ClientSampleId :
T3-1-3-(0-1.5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.7	9.1	13.7#
236	26.5	21.1	31.7

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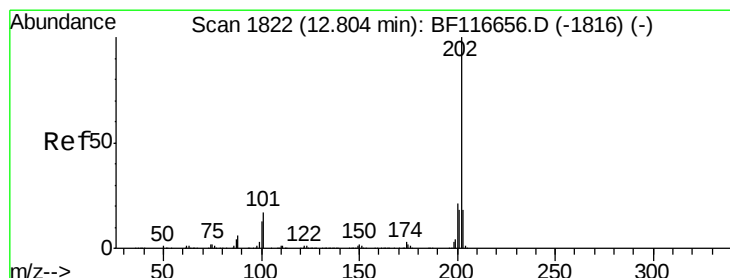
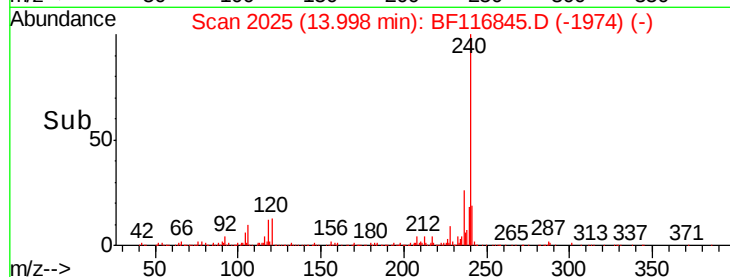
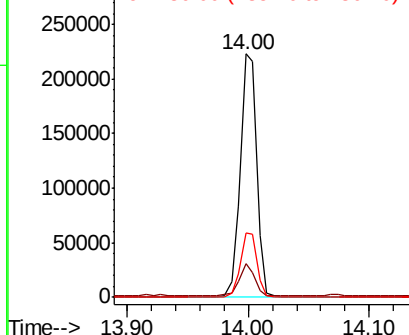


Abundance

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: 5.168 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

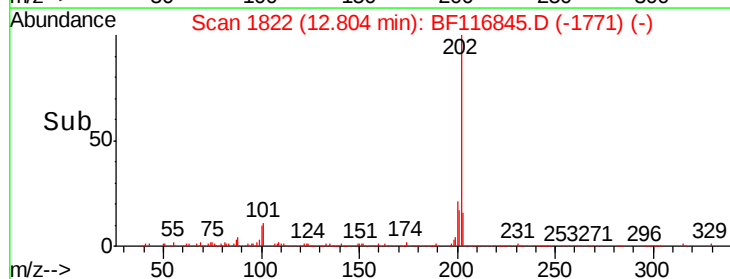
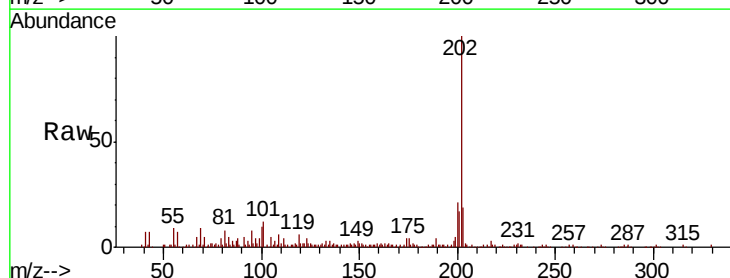
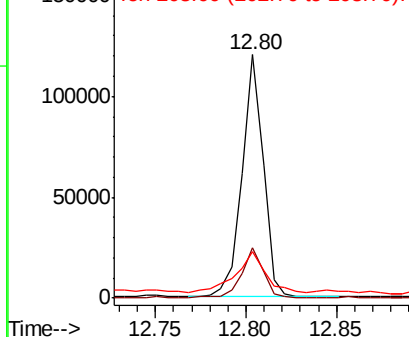
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.5	24.7
203	18.9	13.7	20.5

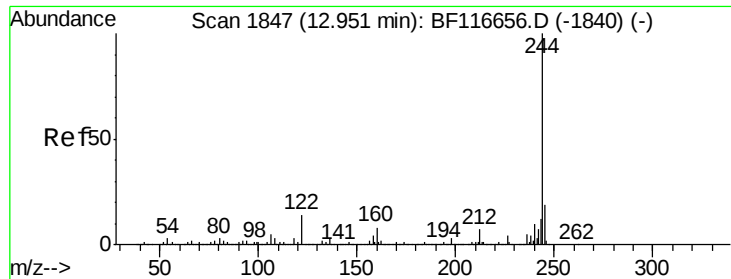
Abundance

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





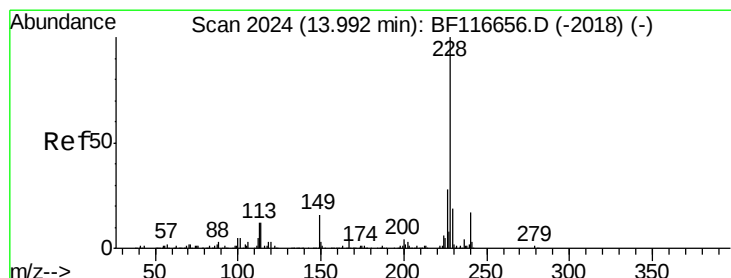
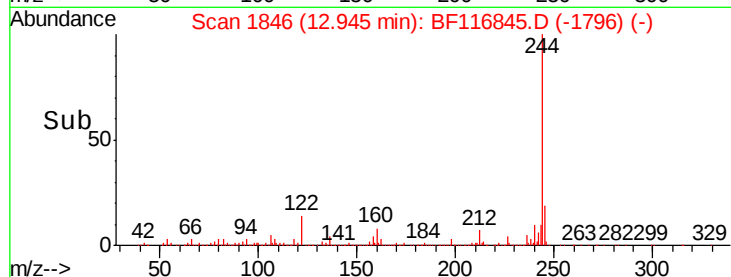
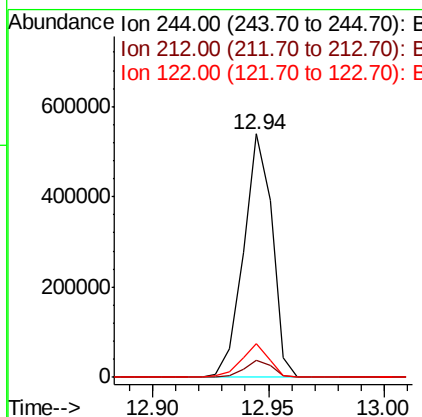
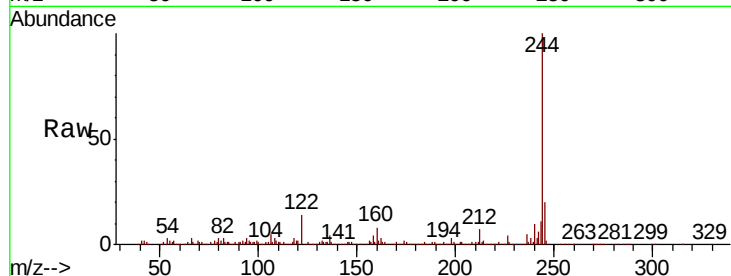
#79
 Terphenyl-d14
 Concen: 40.360 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116845.D
 Acq: 5 Sep 2019 18:28

Instrument :
 BNA_F
 ClientSampleId :
 T3-1-3-(0-1.5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	13.9	10.2	15.4

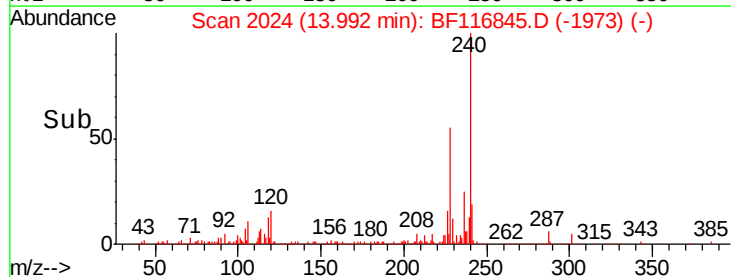
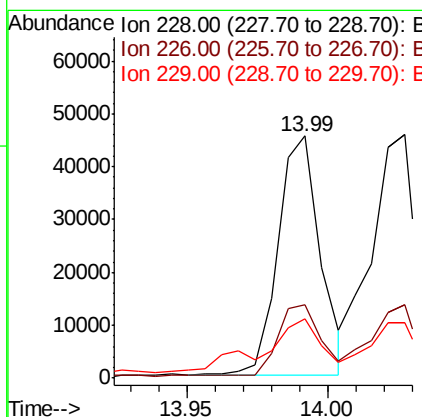
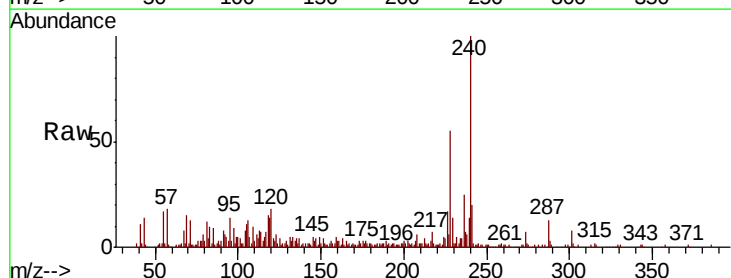
Manual Integrations
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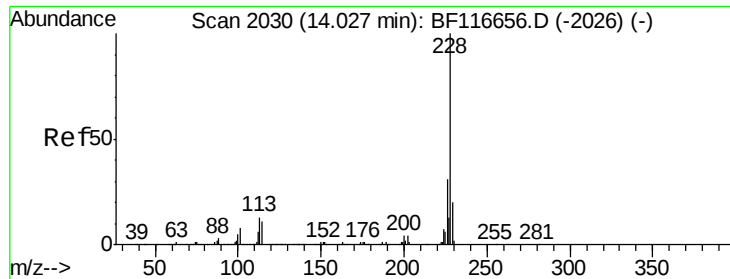
mohammad
 9/10/2019 9:52:36 AM



#81
 Benzo(a)anthracene
 Concen: 3.503 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: BF116845.D
 Acq: 5 Sep 2019 18:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.0	33.0
229	24.5	16.4	24.6





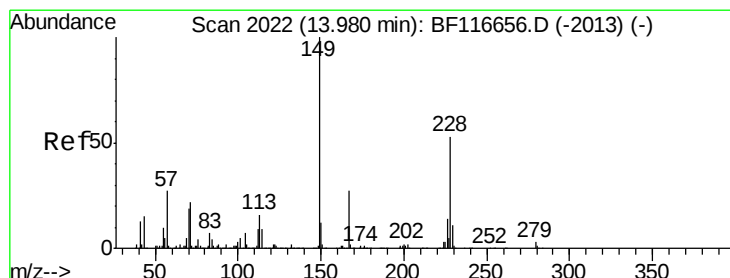
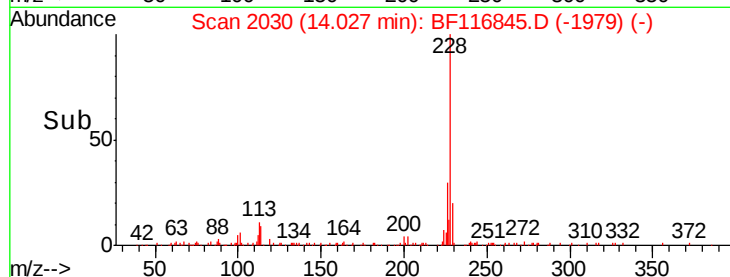
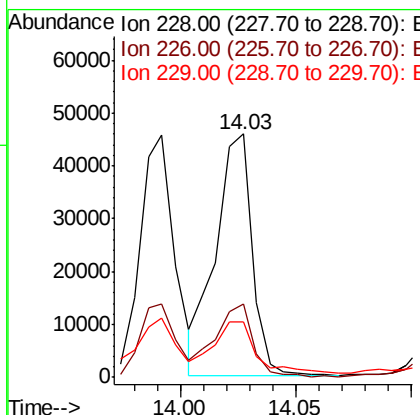
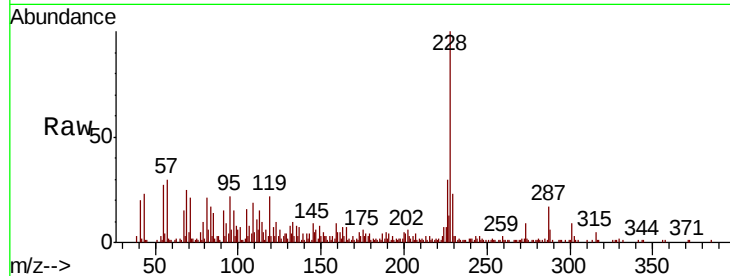
#83
Chrysene
Concen: 3.623 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

Instrument :
BNA_F
ClientSampleId :
T3-1-3-(0-1.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.0	36.0
229	22.8	15.4	23.0

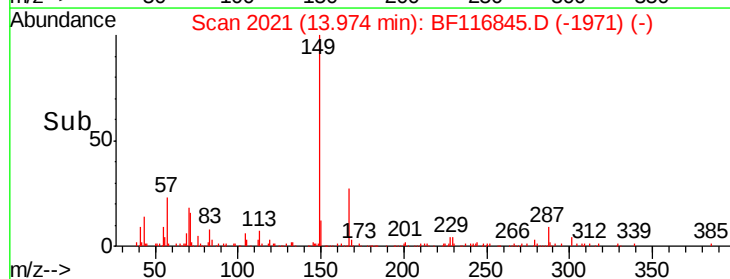
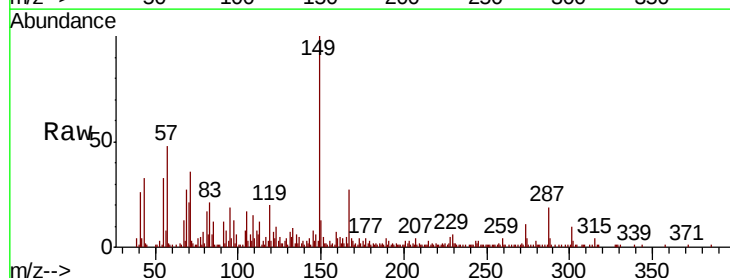
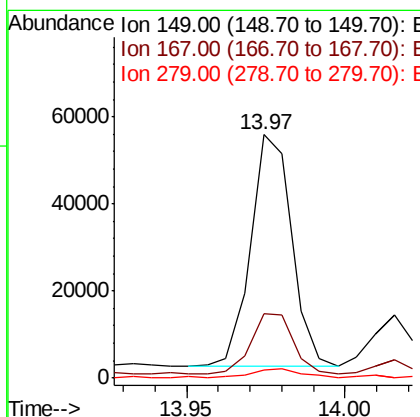
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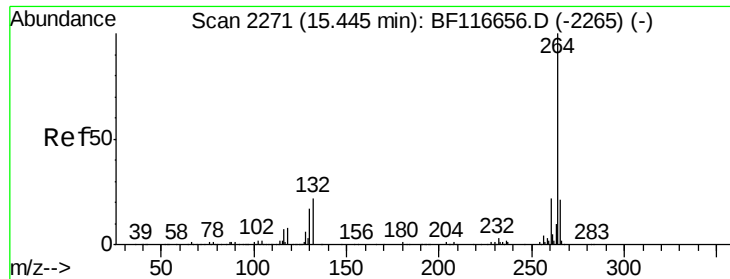
mohammad
9/10/2019 9:52:36 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.184 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.0	31.4
279	3.5	2.8	4.2





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.02 min

Lab File: BF116845.D

Acq: 5 Sep 2019 18:28

Instrument :

BNA_F

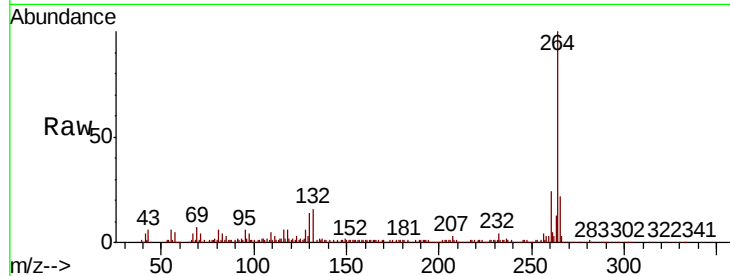
ClientSampleId :

T3-1-3-(0-1.5)

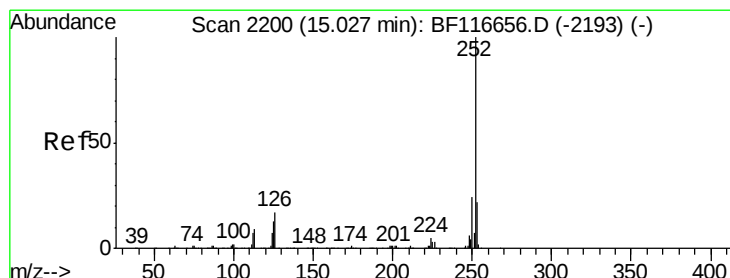
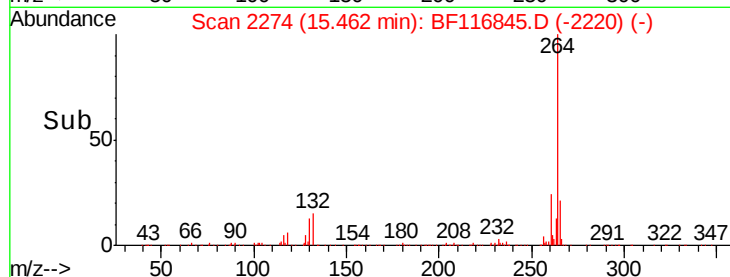
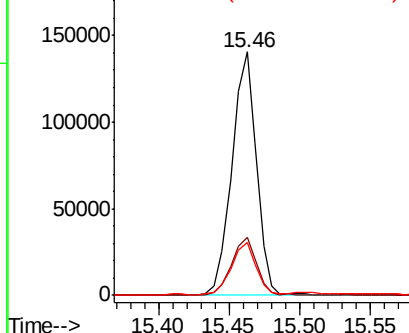
Tot Ion:	264	Resp:	170467
Ion Ratio	Lower	Upper	
264	100		
260	24.1	18.3	27.5
265	21.5	16.5	24.7

Manual Integrations
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 5.926 ng m

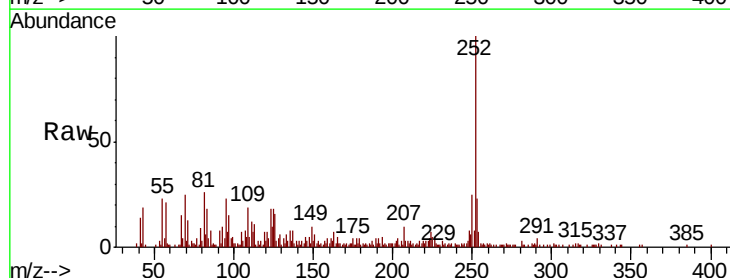
RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

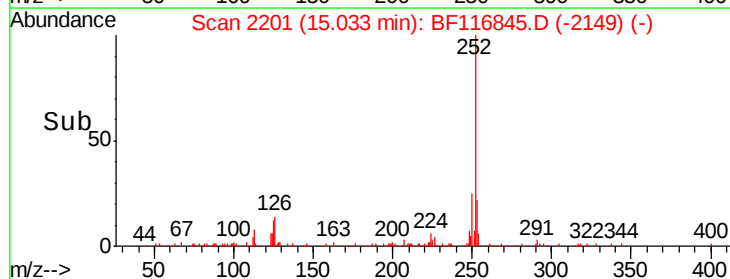
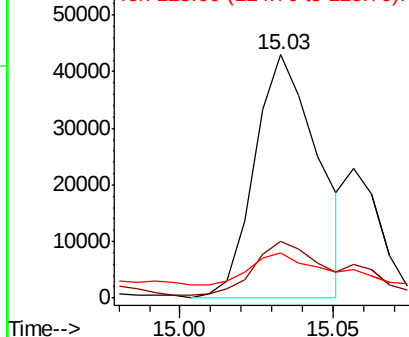
Lab File: BF116845.D

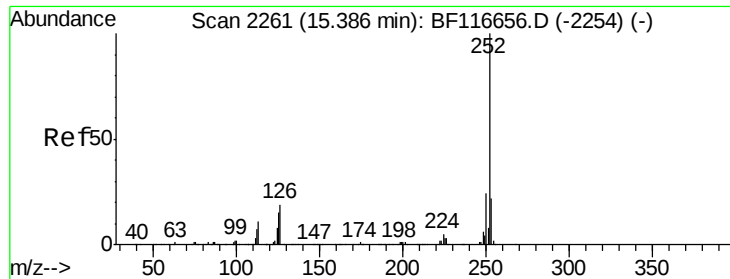
Acq: 5 Sep 2019 18:28

Tgt Ion:	252	Resp:	61076
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.7	26.5
125	18.4	8.2	12.2#



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





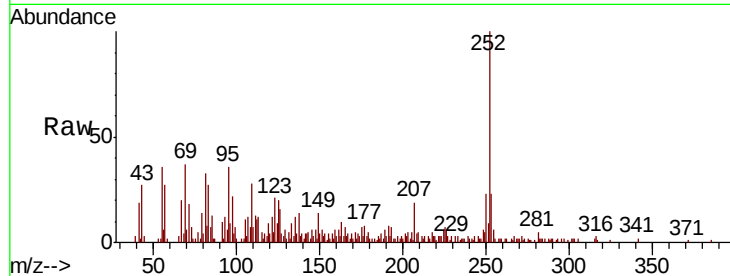
#90
Benzo(a)pyrene
Concen: 3.417 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

Instrument :
BNA_F
ClientSampleId :
T3-1-3-(0-1.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	19.7	9.8	14.8

Manual Integrations
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9/10/2019 9:52:36 AM

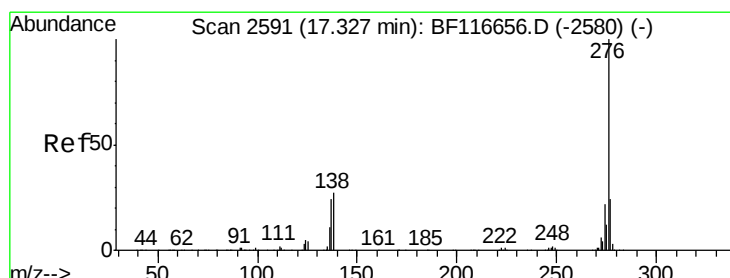
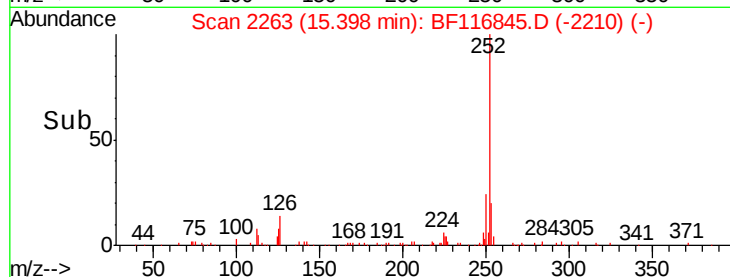
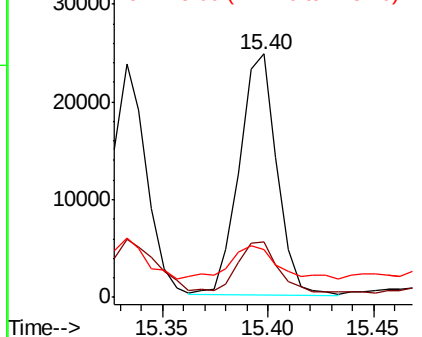


Abundance

Ion 252.00 (251.70 to 252.70): E

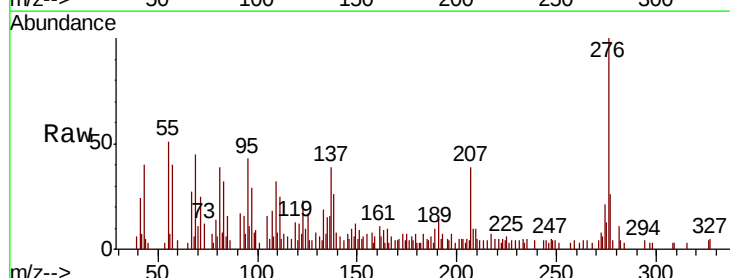
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.564 ng
RT: 17.34 min Scan# 2594
Delta R.T. 0.02 min
Lab File: BF116845.D
Acq: 5 Sep 2019 18:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.5	27.7
138	25.9	16.2	24.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

