

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
 Data File : BF116673.D
 Acq On : 31 Aug 2019 1:58
 Operator : HP/JU
 Sample : K4517-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T4-S-D1-D4

Manual Integrations
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 8/31/2019 2:45:28 PM

Quant Time: Aug 31 04:45:27 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	110219	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	436333	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	223282	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	367185	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	246341	20.00	ng	0.00
87) Perylene-d12	15.44	264	269977	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	613104	90.12	ng	0.00
7) Phenol-d6	6.47	99	858777	96.13	ng	-0.01
23) Nitrobenzene-d5	7.40	82	532159	69.62	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	153907	103.11	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	797594	60.26	ng	0.00
79) Terphenyl-d14	12.94	244	697117	52.35	ng	0.00
Target Compounds						
10) Phenol	6.48	94	30430	3.076	ng	96
50) Dimethylphthalate	9.59	163	84694	5.494	ng	# 97
71) Phenanthrene	11.38	178	69110	3.381	ng	99
75) Fluoranthene	12.57	202	237158	11.806	ng	98
78) Pyrene	12.80	202	205152	9.368	ng	100
81) Benzo(a)anthracene	13.98	228	90053	5.776	ng	100
83) Chrysene	14.02	228	122926	7.653	ng	98
86) Indeno(1,2,3-cd)pyrene	16.87	276	79563	6.167	ng	96
88) Benzo(b)fluoranthene	15.02	252	163698m	10.029	ng	
89) Benzo(k)fluoranthene	15.04	252	43052m	2.893	ng	
90) Benzo(a)pyrene	15.37	252	96827	6.818	ng	# 97
92) Benzo(a,h,i)perylene	17.31	276	72013	5.681	ng	# 93

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

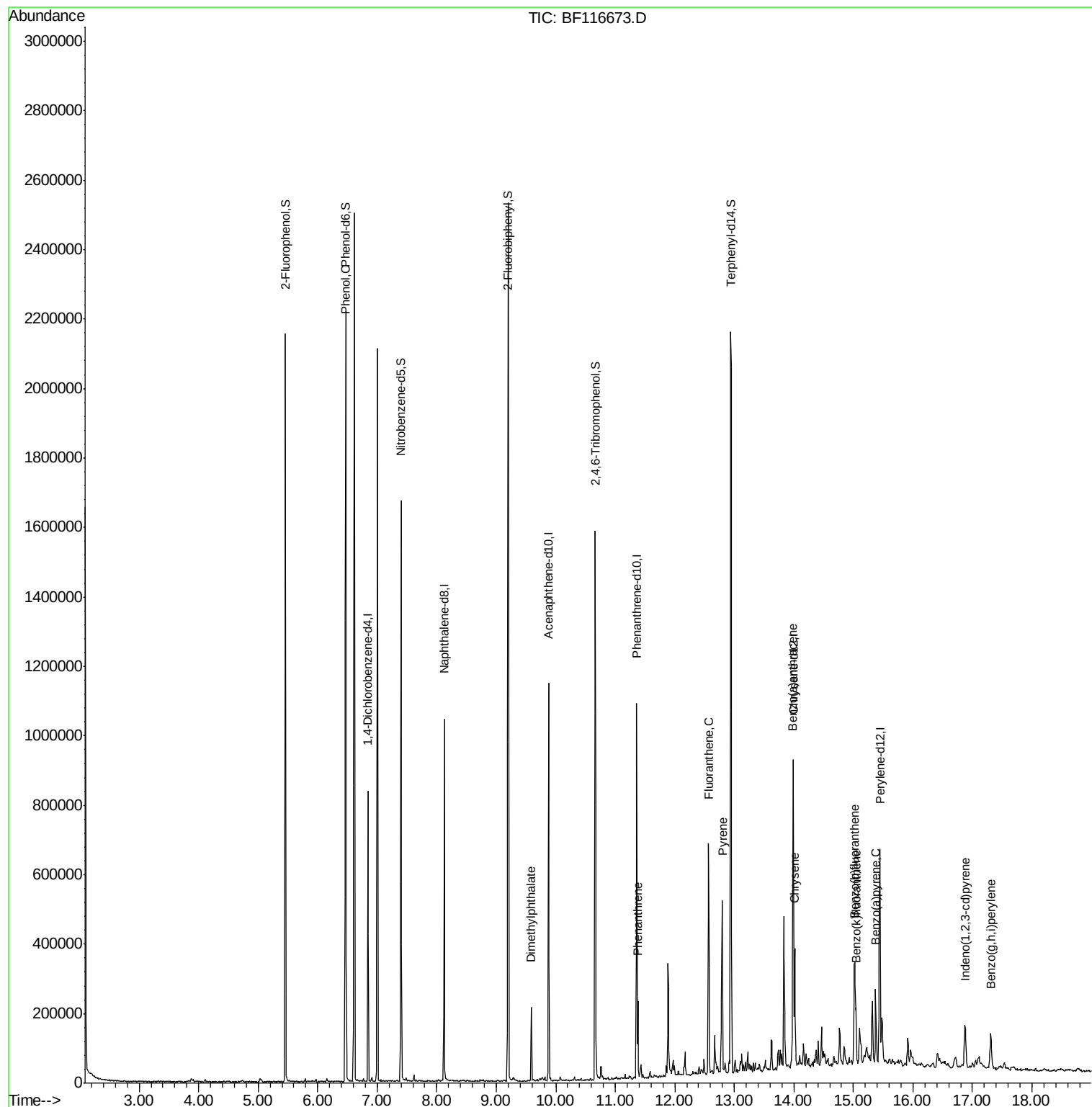
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
Data File : BF116673.D
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Sample : K4517-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

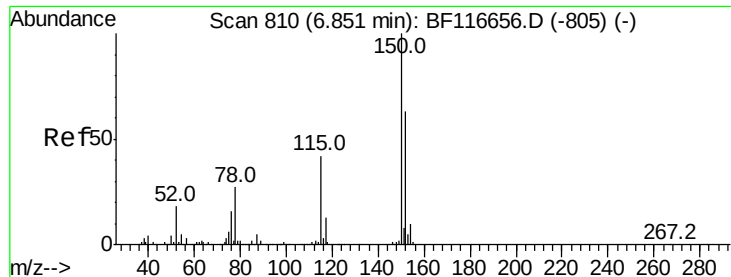
Instrument :
BNA_F
ClientSampleId :
T4-S-D1-D4

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Quant Time: Aug 31 04:45:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

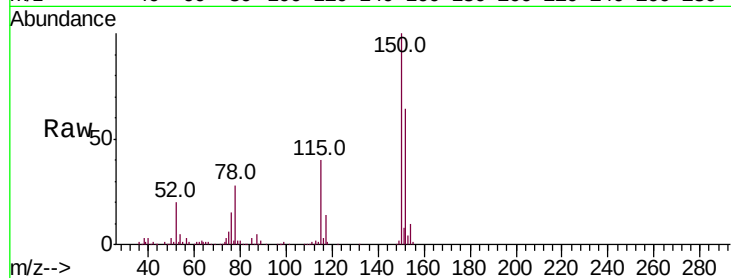
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

Instrument :
BNA_F
ClientSampleId :
T4-S-D1-D4

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.4	186.6
115	62.4	49.9	74.9

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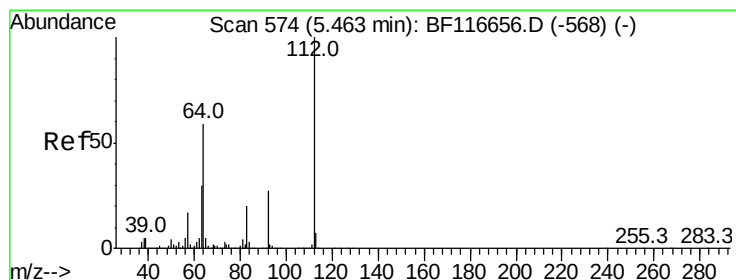
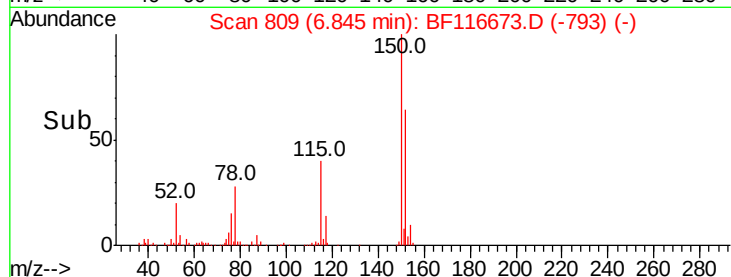
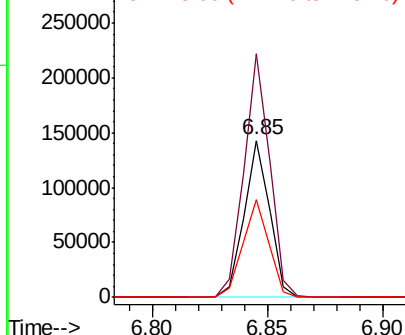


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

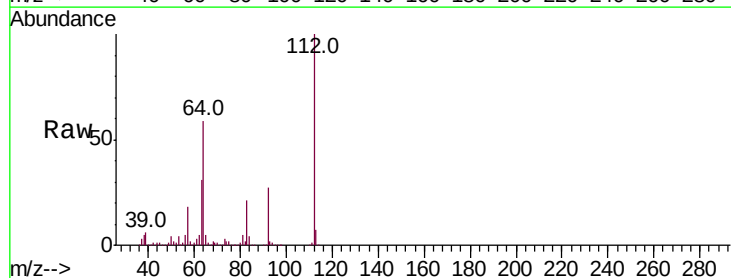
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.117 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	47.1	70.7
63	31.1	24.9	37.3

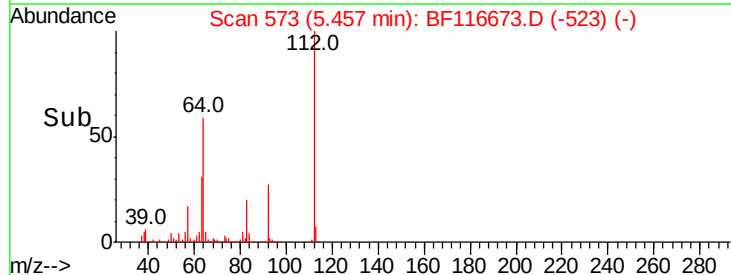
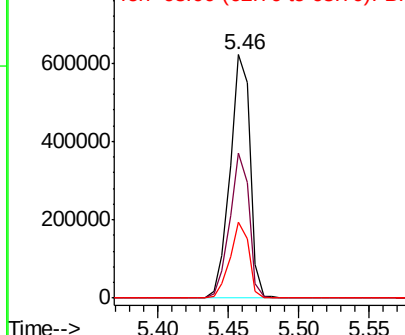


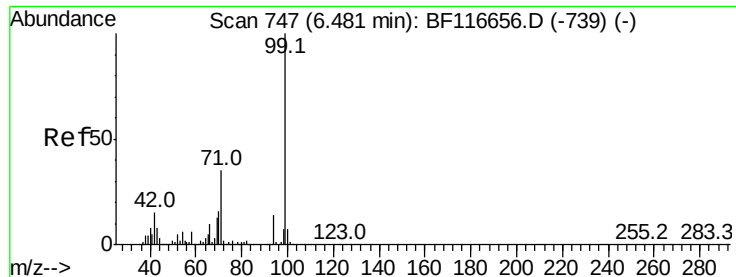
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 96.129 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Instrument :

BNA_F

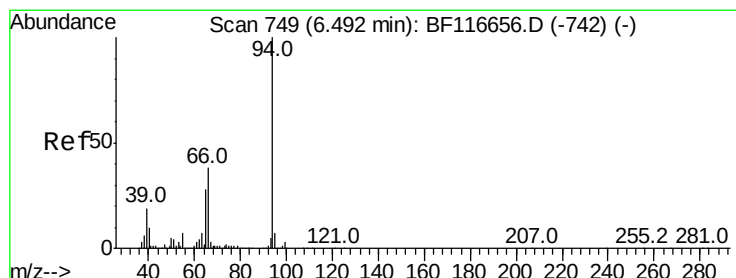
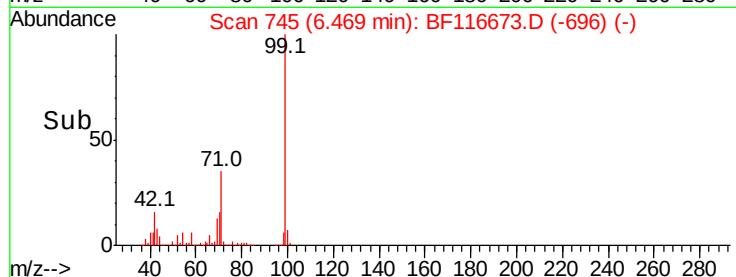
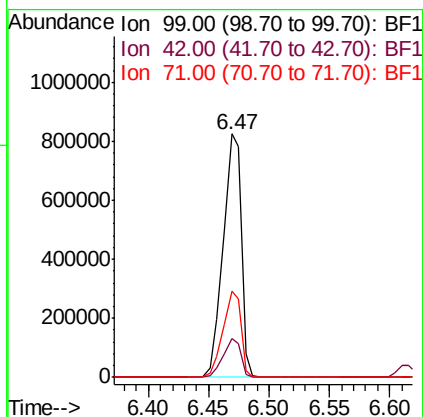
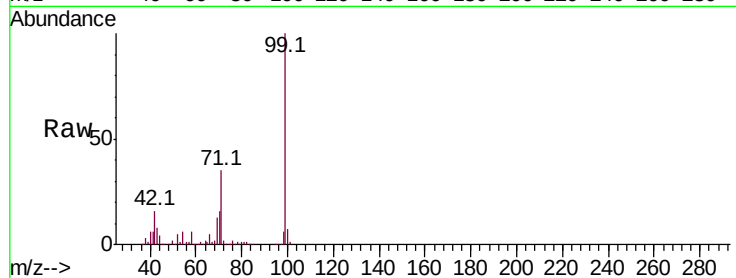
ClientSampleId :

T4-S-D1-D4

Tot Ion:	99	Resp:	858777
Ion Ratio	Lower	Upper	
99	100		
42	16.1	13.7	20.5
71	35.5	30.8	46.2

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#10

Phenol

Concen: 3.076 ng

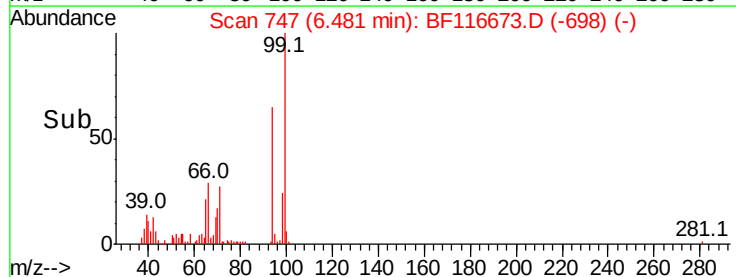
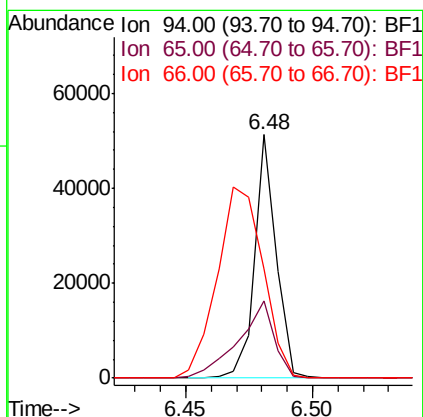
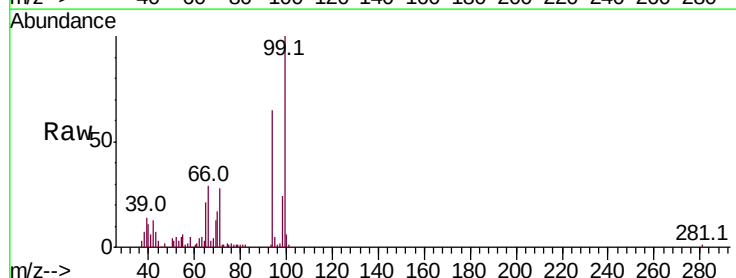
RT: 6.48 min Scan# 747

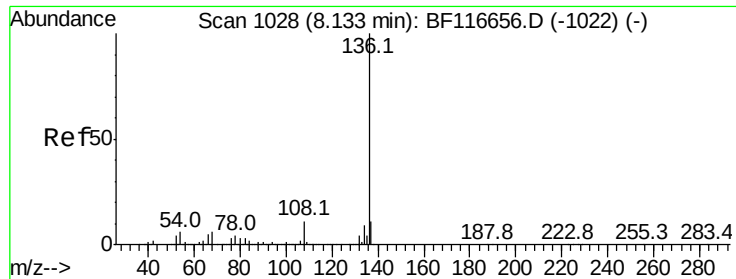
Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Tgt Ion:	94	Resp:	30430
Ion Ratio	Lower	Upper	
94	100		
65	31.7	10.8	50.8
66	44.9	21.1	61.1





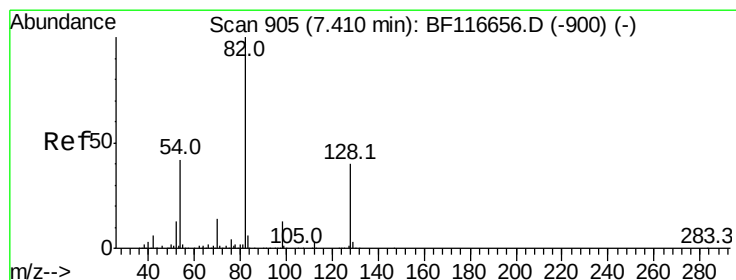
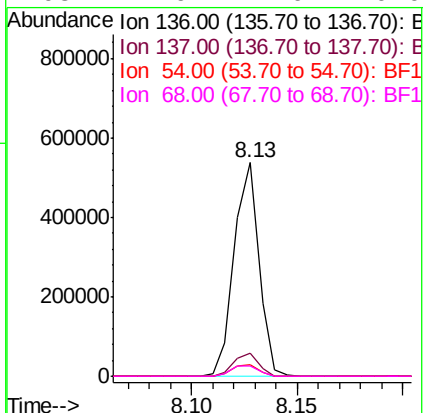
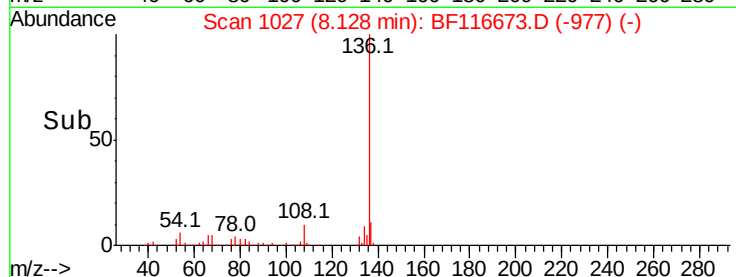
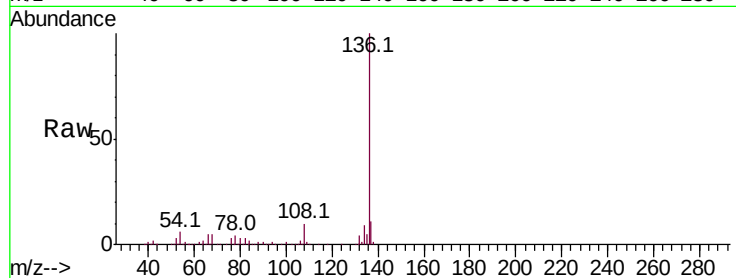
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

Instrument :
BNA_F
ClientSampleId :
T4-S-D1-D4

Tot Ion	Ion	Ratio	Resp: Lower	Upper
136	100			
137	10.6	8.9	13.3	
54	5.7	4.8	7.2	
68	4.9	4.0	6.0	

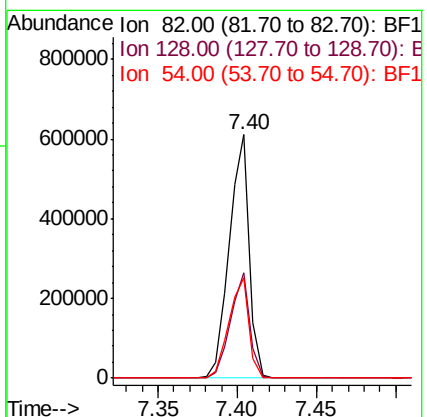
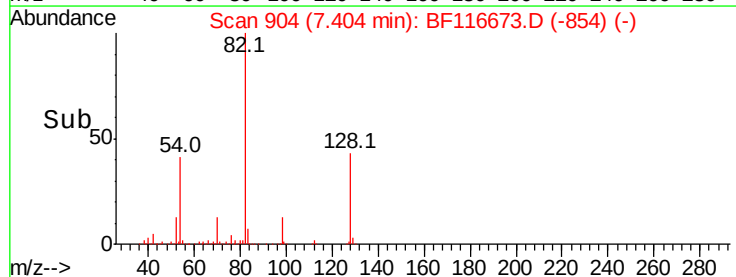
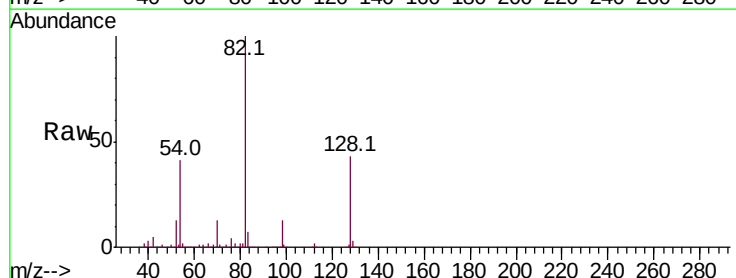
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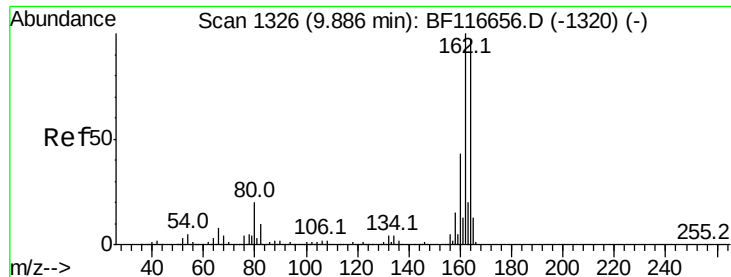
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#23
Nitrobenzene-d5
Concen: 69.625 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

Tgt Ion	Ion	Ratio	Resp: Lower	Upper
82	100			
128	43.1	32.8	49.2	
54	41.4	36.9	55.3	





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Instrument :

BNA_F

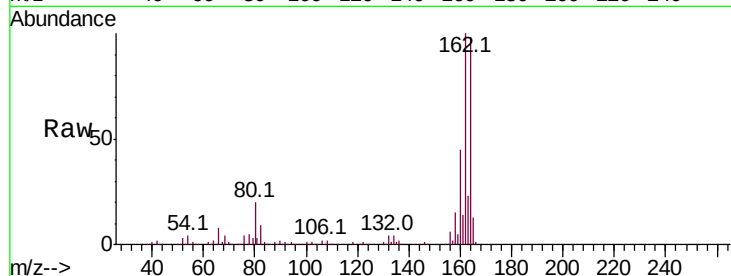
ClientSampleId :

T4-S-D1-D4

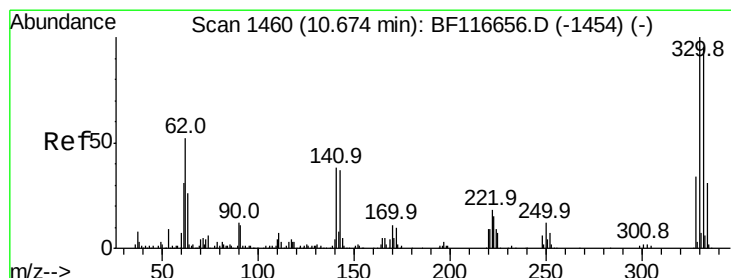
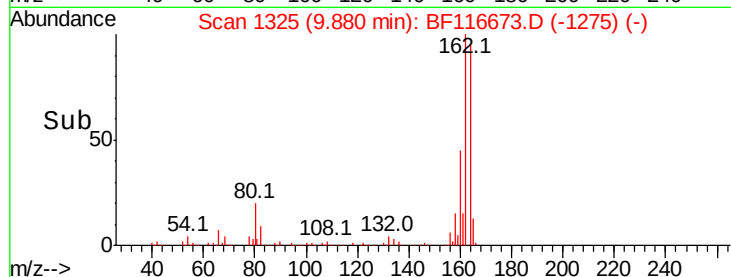
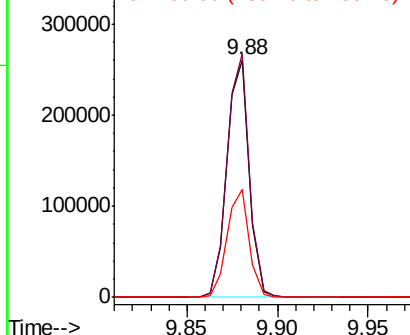
Tot Ion:	164	Resp:	223282
Ion Ratio	Lower	Upper	
164	100		
162	102.4	81.4	122.0
160	45.6	35.4	53.2

Manual Integrations
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 103.107 ng

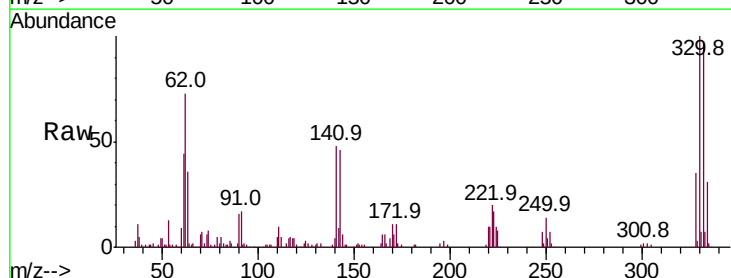
RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

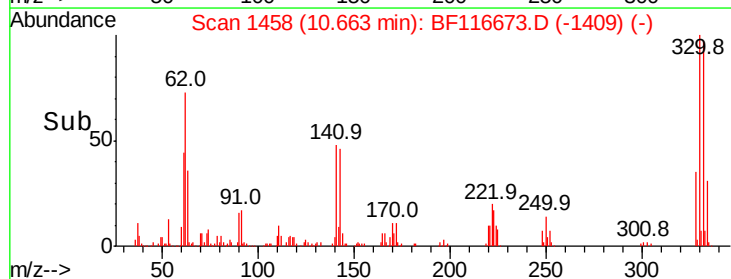
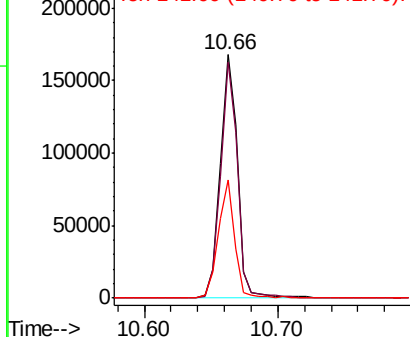
Lab File: BF116673.D

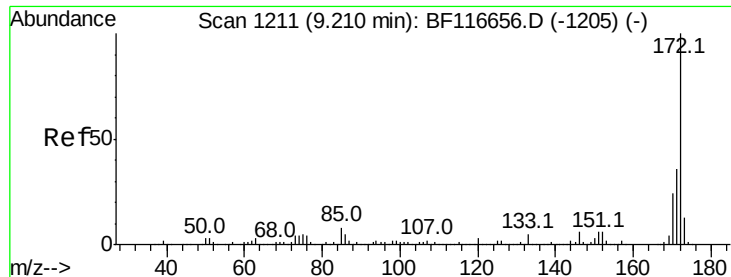
Acq: 31 Aug 2019 1:58

Tgt Ion:	330	Resp:	153907
Ion Ratio	Lower	Upper	
330	100		
332	95.8	76.9	115.3
141	46.0	31.4	47.2



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





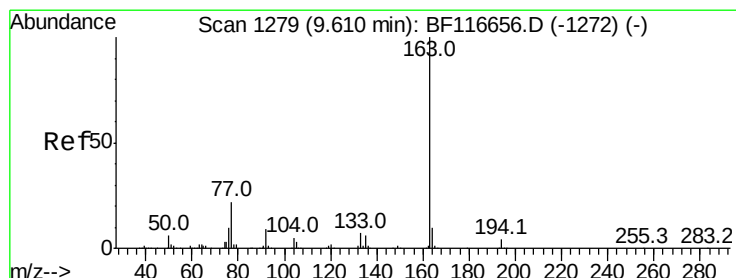
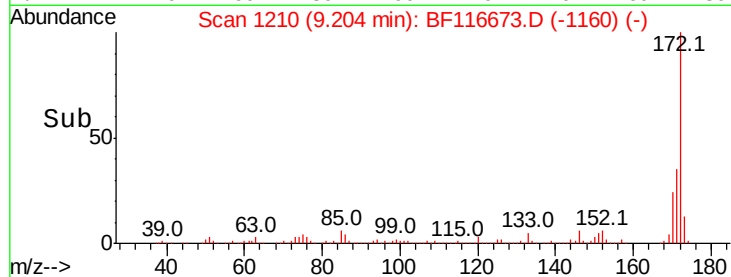
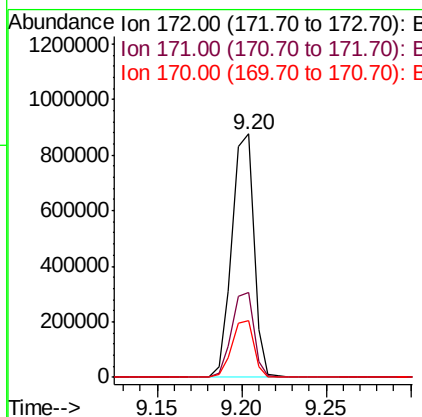
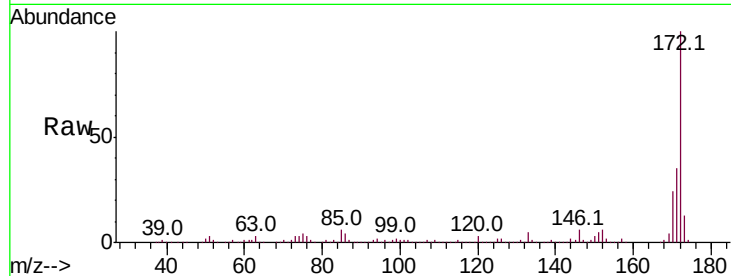
#45
 2-Fluorobiphenyl
 Concen: 60.258 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF116673.D
 Acq: 31 Aug 2019 1:58

Instrument :
 BNA_F
 ClientSampleId :
 T4-S-D1-D4

Tot Ion:	172	Resp:	797594
Ion Ratio	Lower	Upper	
172	100		
171	35.0	27.8	41.6
170	23.5	18.9	28.3

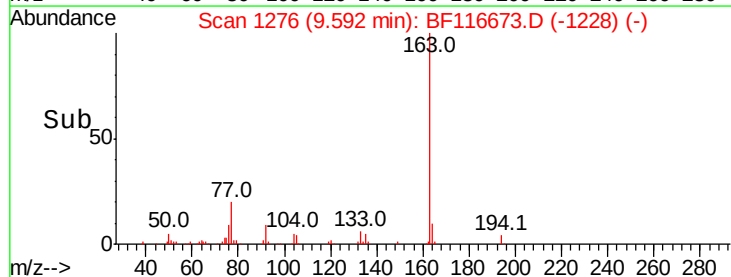
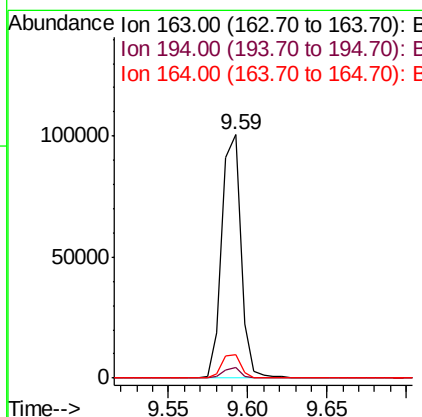
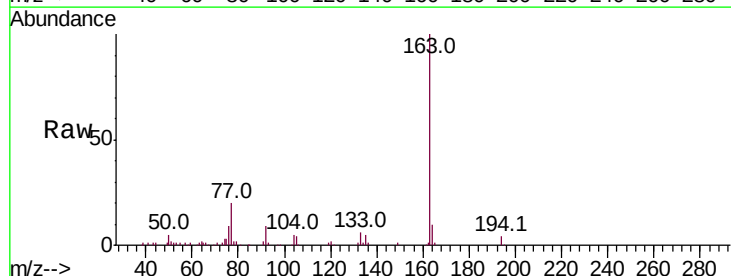
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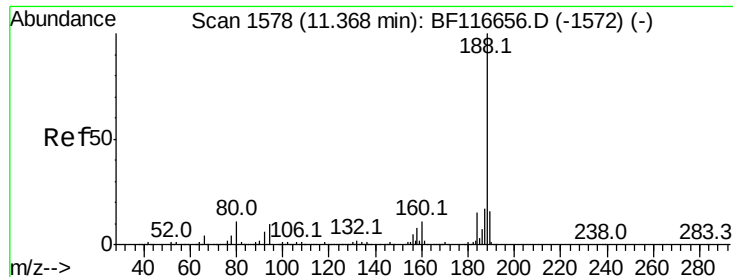
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#50
 Dimethylphthalate
 Concen: 5.494 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: BF116673.D
 Acq: 31 Aug 2019 1:58

Tgt Ion:	163	Resp:	84694
Ion Ratio	Lower	Upper	
163	100		
194	4.2	2.8	4.2#
164	9.5	8.6	12.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Instrument :

BNA_F

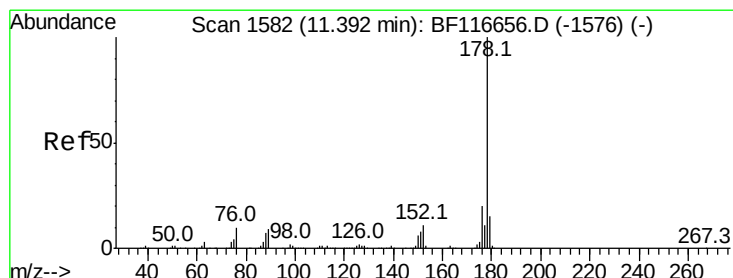
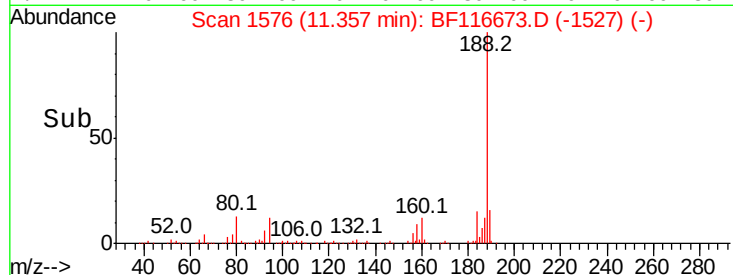
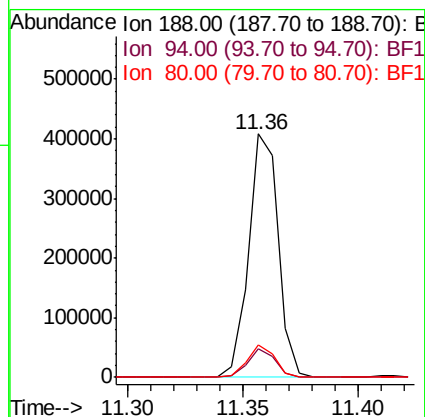
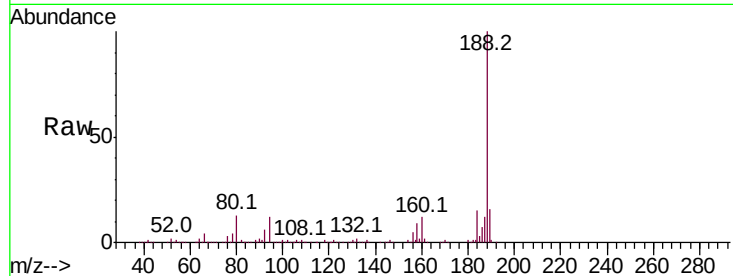
ClientSampled :

T4-S-D1-D4

Tot Ion:	188	Resp:	367185
Ion Ratio	Lower	Upper	
188	100		
94	11.9	7.3	10.9#
80	13.3	8.4	12.6#

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#71

Phenanthrene

Concen: 3.381 ng

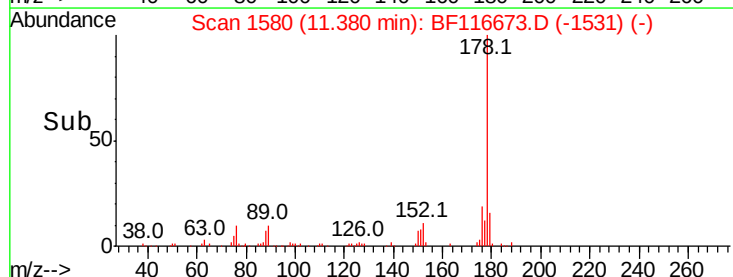
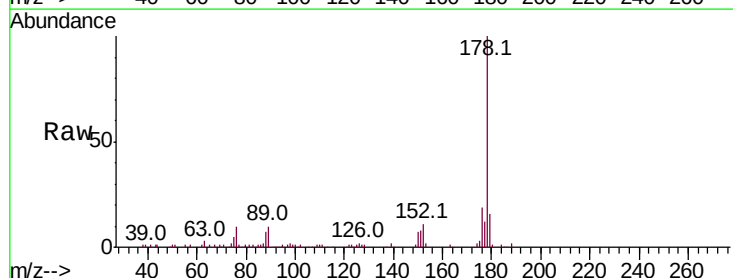
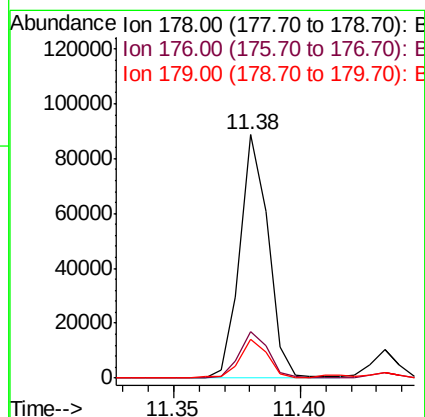
RT: 11.38 min Scan# 1580

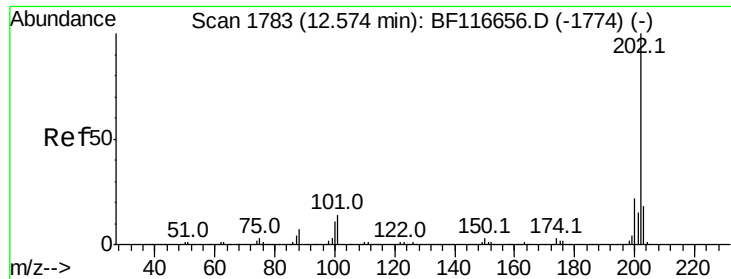
Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Tgt Ion:	178	Resp:	69110
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.4	23.0
179	16.1	12.2	18.2





#75

Fluoranthene

Concen: 11.806 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Instrument :

BNA_F

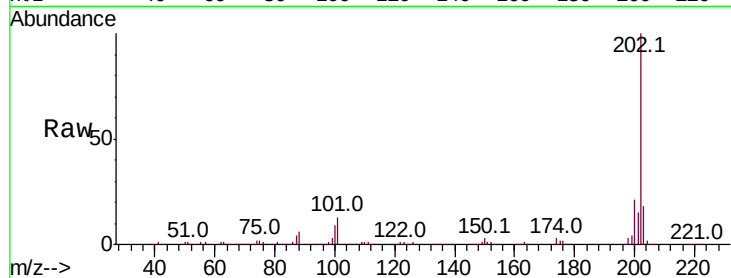
ClientSampleId :

T4-S-D1-D4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.8	0.0	31.3
203	17.8	0.0	37.6

Manual Integrations
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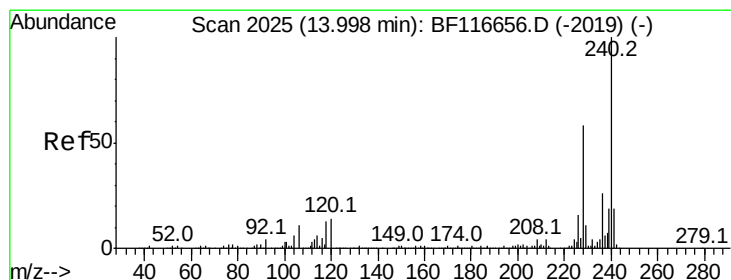
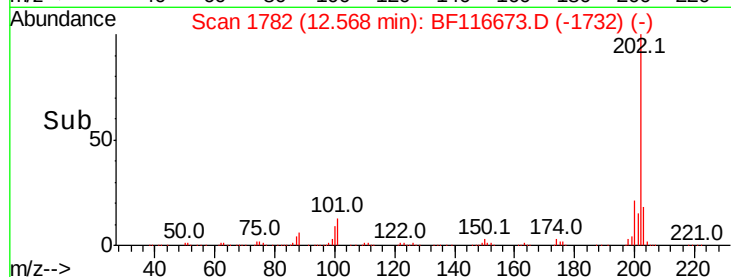
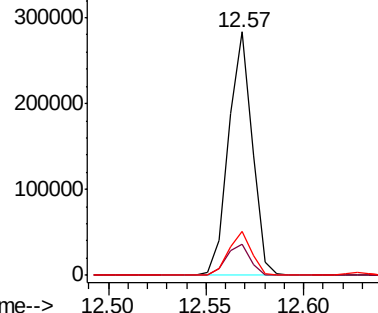
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

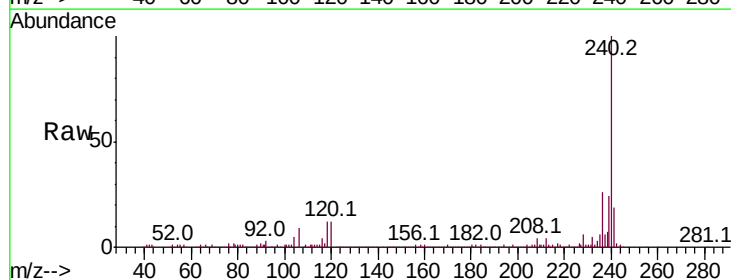
RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

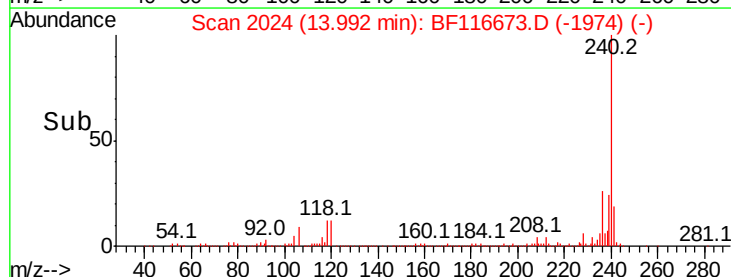
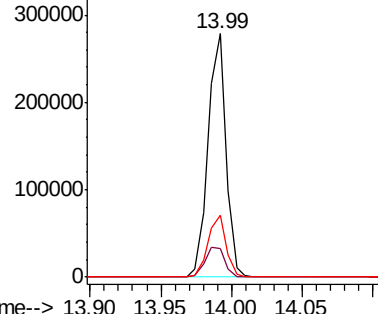
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.9	9.1	13.7
236	25.6	21.1	31.7

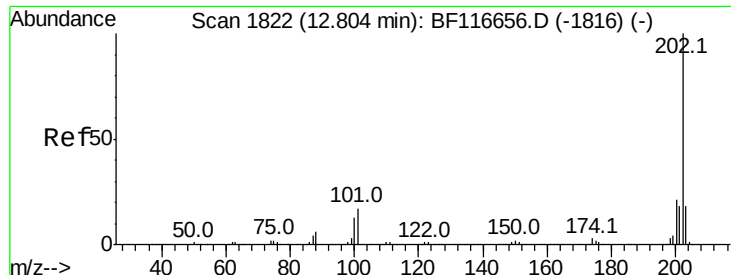


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





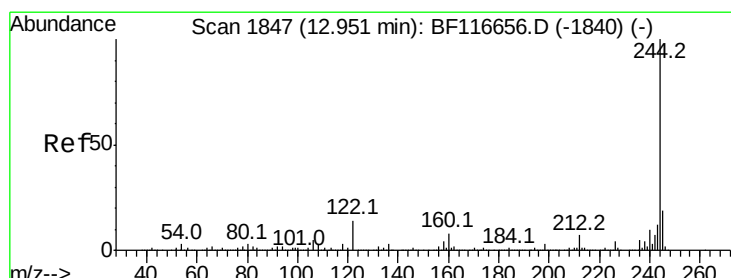
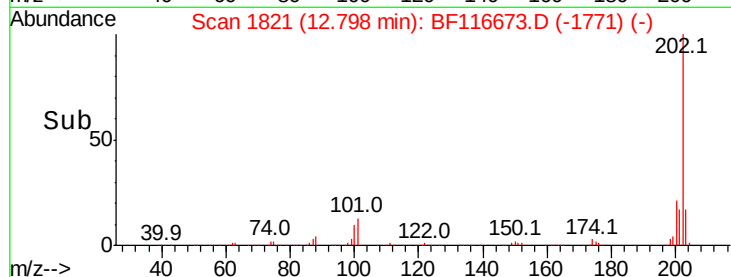
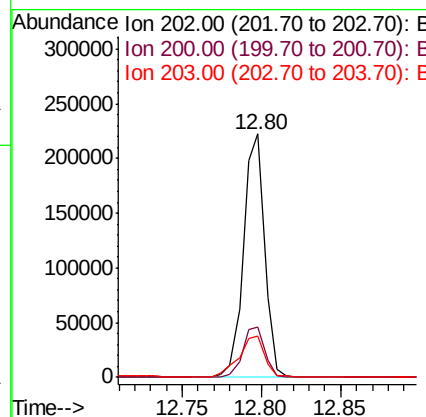
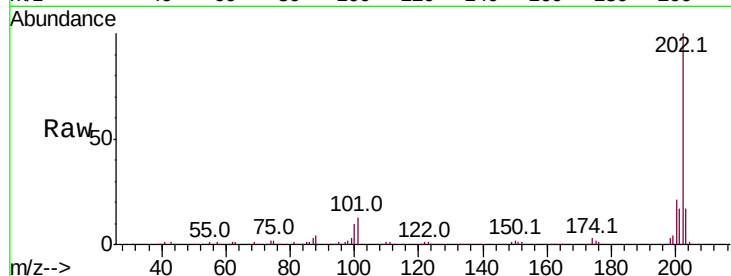
#78
Pvrene
Concen: 9.368 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

Instrument :
BNA_F
ClientSampleId :
T4-S-D1-D4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	16.5	24.7
203	17.1	13.7	20.5

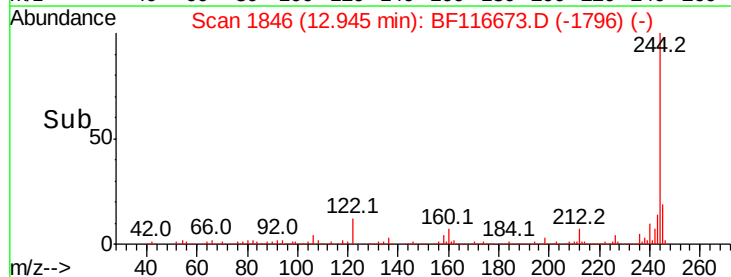
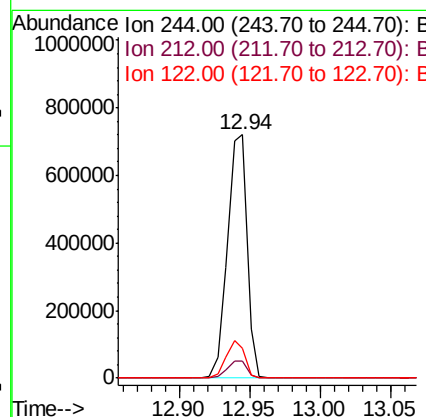
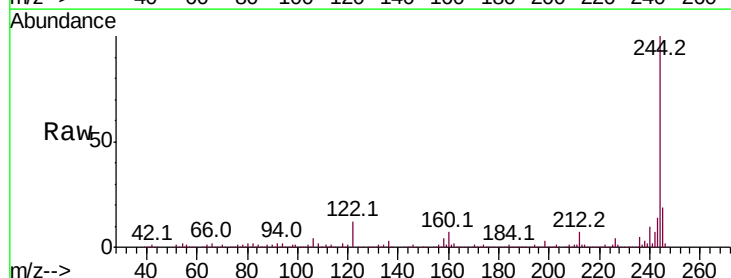
Manual Integrations
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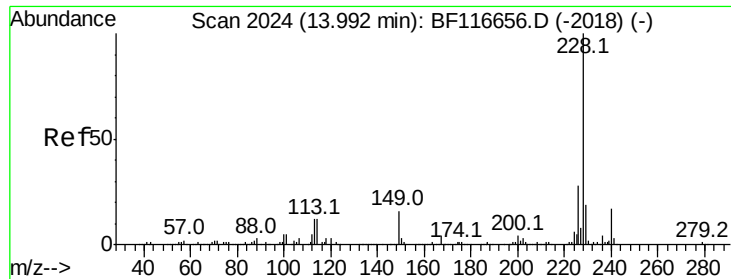
mohammad
8/31/2019 2:45:28 PM



#79
Terphenyl-d14
Concen: 52.351 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	6.1	9.1
122	12.0	10.2	15.4





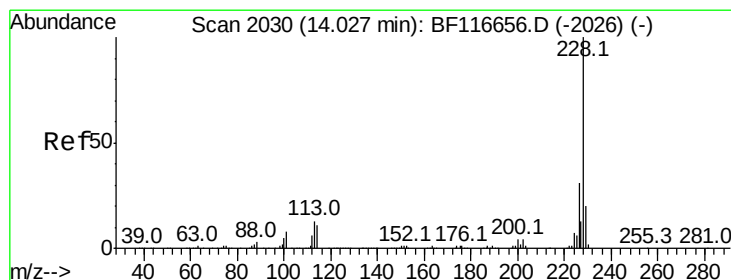
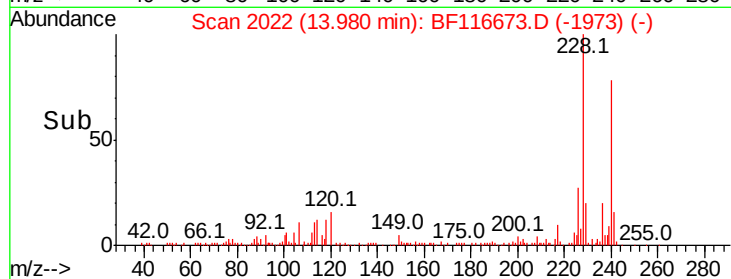
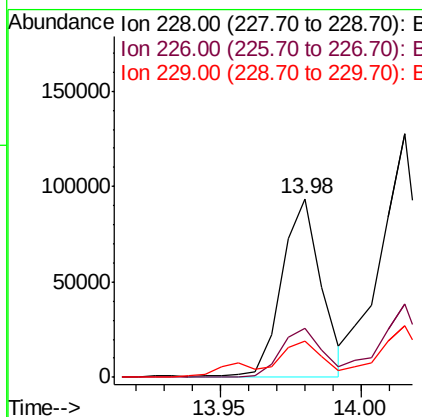
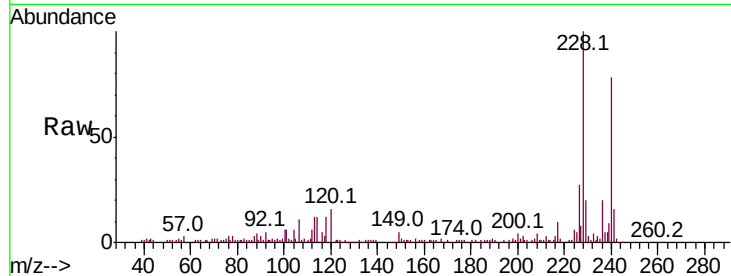
#81
Benzo(a)anthracene
Concen: 5.776 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

Instrument :
BNA_F
ClientSampleId :
T4-S-D1-D4

Tot Ion	Ratio	Resp	Lower	Upper
228	100	90053		
226	27.5		22.0	33.0
229	20.2		16.4	24.6

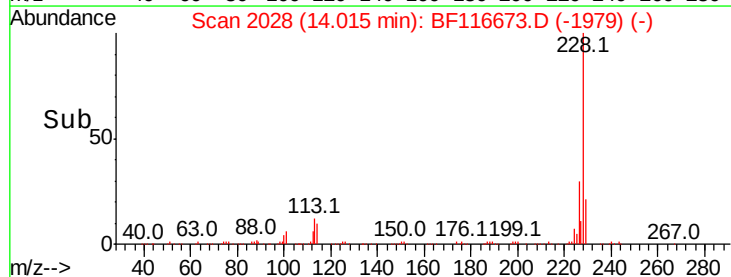
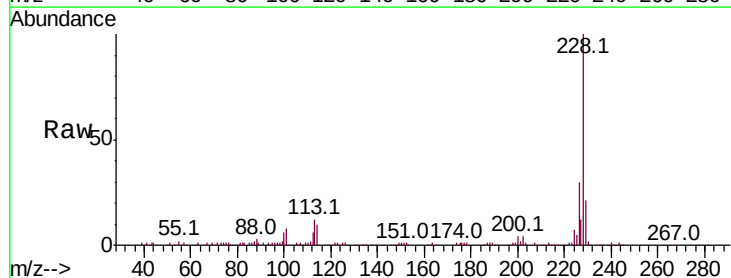
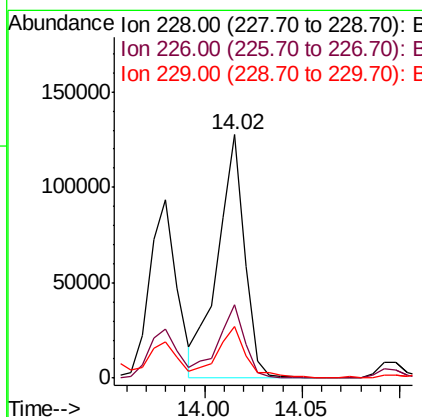
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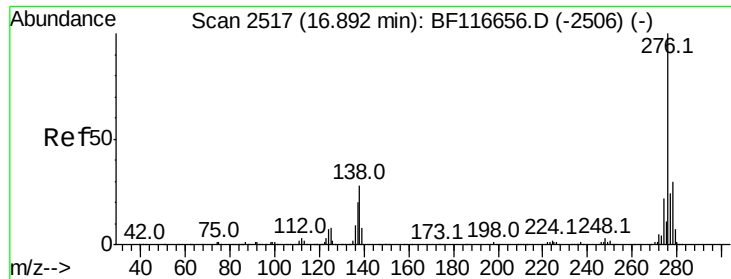
mohammad
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#83
Chrysene
Concen: 7.653 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	122926		
226	30.3		24.0	36.0
229	21.3		15.4	23.0





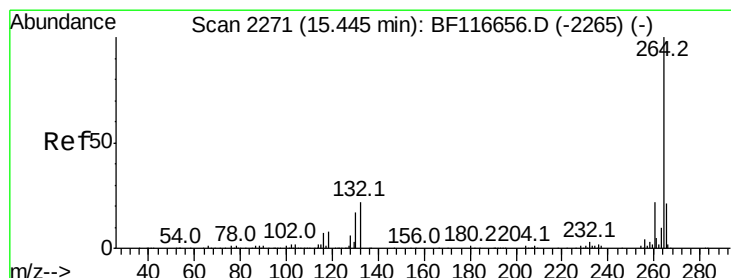
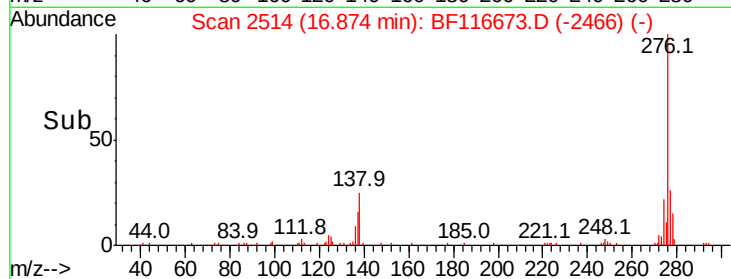
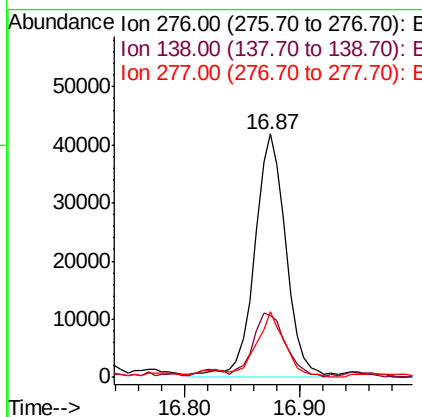
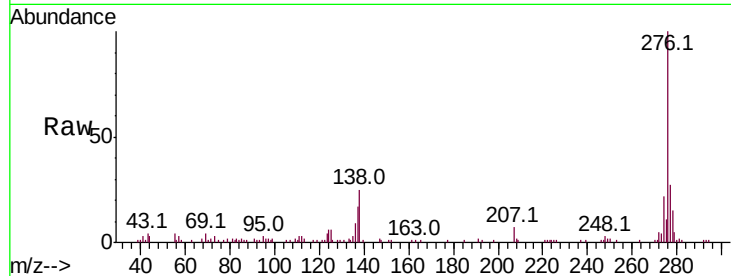
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.167 ng
 RT: 16.87 min Scan# 2514
 Delta R.T. -0.02 min
 Lab File: BF116673.D
 Acq: 31 Aug 2019 1:58

Instrument :
 BNA_F
 ClientSampled :
 T4-S-D1-D4

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.4	19.4	29.2
277	24.5	20.5	30.7

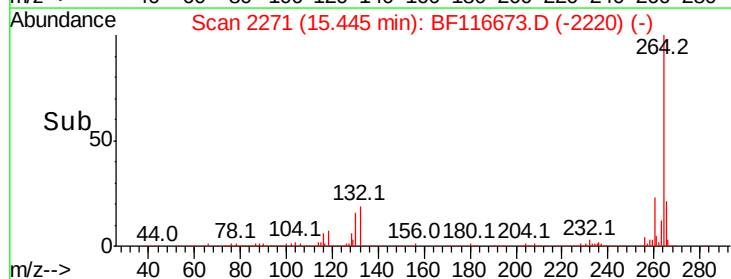
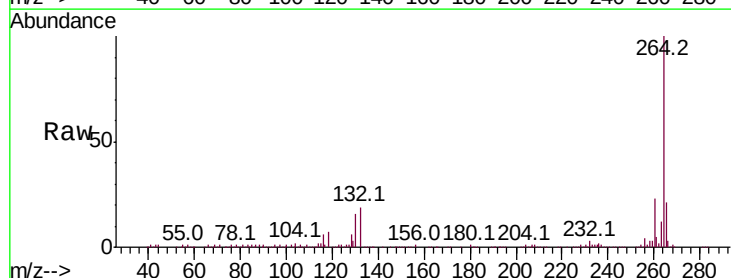
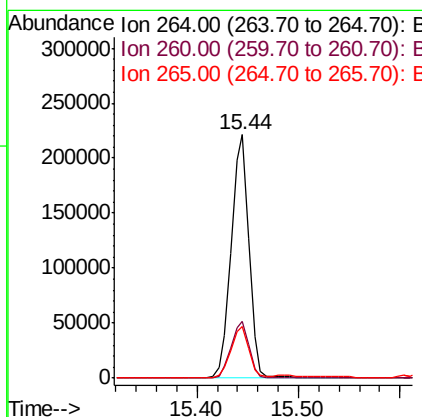
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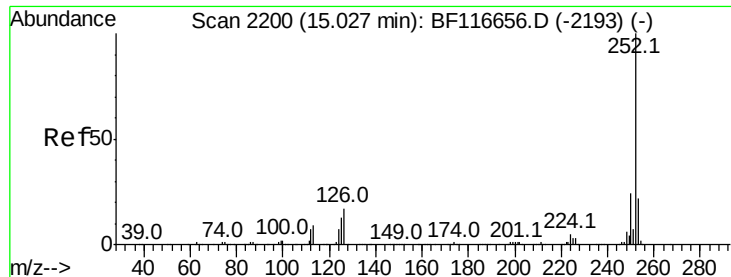
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: BF116673.D
 Acq: 31 Aug 2019 1:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.3	27.5
265	21.4	16.5	24.7





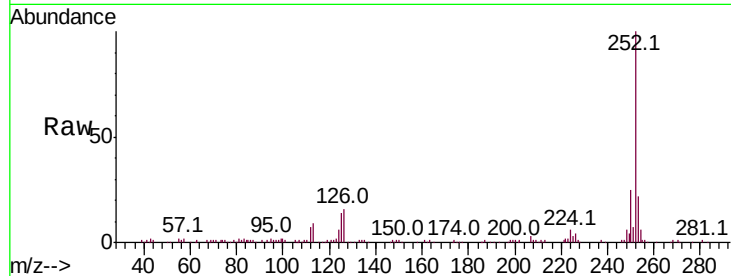
#88
Benzo(b)fluoranthene
Concen: 10.029 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

Instrument :
BNA_F
ClientSampleId :
T4-S-D1-D4

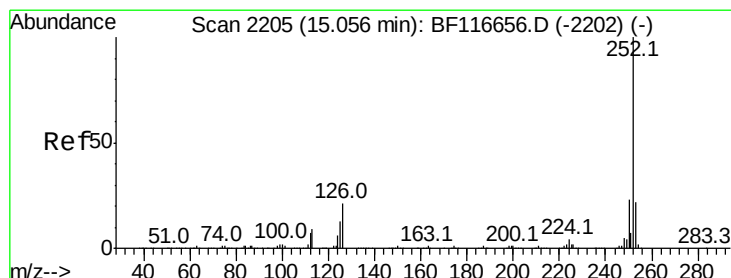
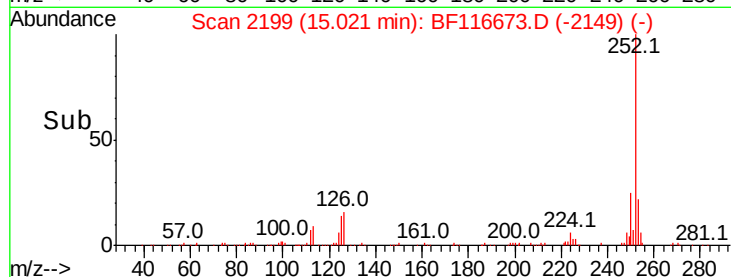
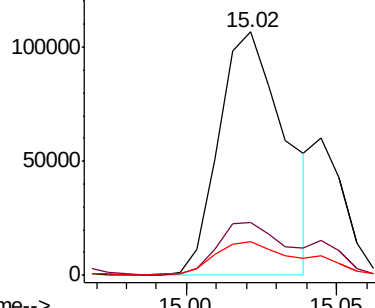
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	14.0	8.2	12.2

Manual Integrations
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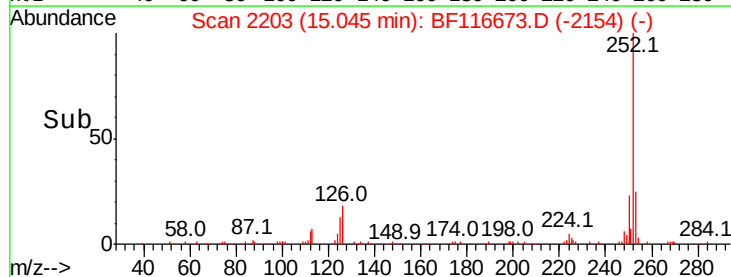
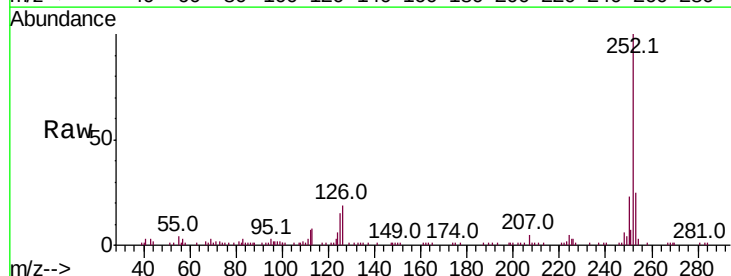
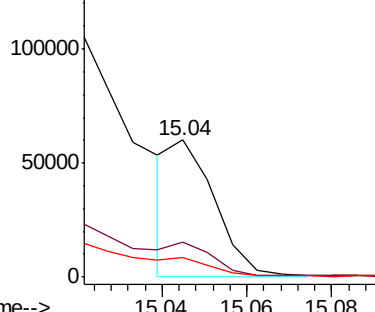
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

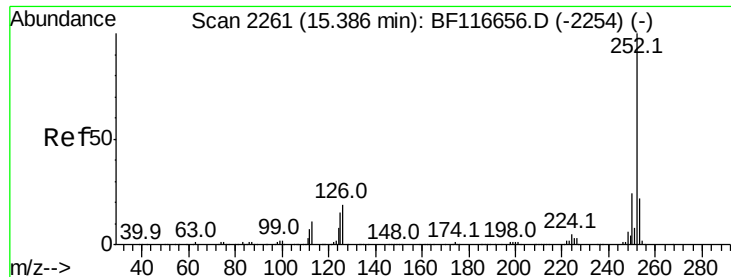


#89
Benzo(k)fluoranthene
Concen: 2.893 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.7	26.5
125	14.6	8.6	13.0

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: 6.818 ng

RT: 15.37 min Scan# 2259

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Instrument :

BNA_F

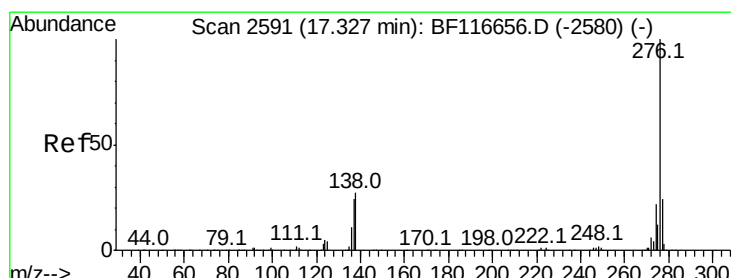
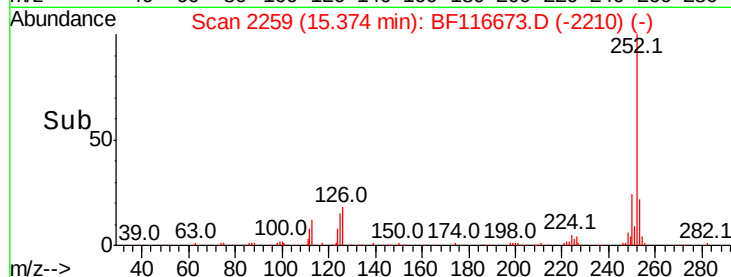
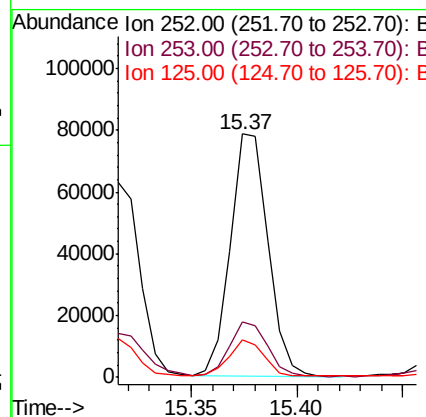
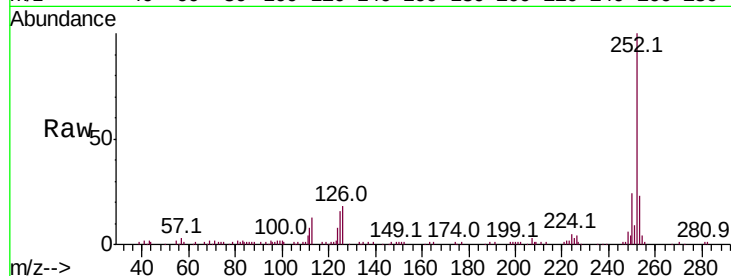
ClientSampled :

T4-S-D1-D4

Tot Ion:	252	Resp:	96827
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.1	27.1
125	15.6	9.8	14.8#

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 5.681 ng

RT: 17.31 min Scan# 2588

Delta R.T. -0.02 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Tgt Ion:	276	Resp:	72013
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.5	27.7
138	26.3	16.2	24.2#

