

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021119\
 Data File : BF112487.D
 Acq On : 11 Feb 2019 18:10
 Operator : JU/SJ
 Sample : K1454-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
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Sohil
 2/12/2019 11:57:13 AM

Quant Time: Feb 12 01:15:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	152280	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	574363	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	256814	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	398856	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	306047	20.00	ng	0.00
87) Perylene-d12	15.47	264	309183	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1047609	146.12	ng	0.00
7) Phenol-d6	6.49	99	1342685	134.78	ng	0.00
23) Nitrobenzene-d5	7.40	82	870181	87.30	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	323125	108.10	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1413488	77.84	ng	-0.02
79) Terphenyl-d14	12.94	244	978999	60.25	ng	-0.01
Target Compounds						
10) Phenol	6.50	94	84271	7.710	ng	Qvalue 80
50) Dimethylphthalate	9.58	163	172540	8.647	ng	98
52) Acenaphthene	9.90	154	31257	2.050	ng	96
58) Fluorene	10.42	166	35303	2.025	ng	99
71) Phenanthrene	11.38	178	600691	28.969	ng	98
72) Anthracene	11.43	178	122083	5.910	ng	98
73) Carbazole	11.59	167	43918	2.155	ng	# 97
75) Fluoranthene	12.57	202	926270	41.648	ng	98
78) Pyrene	12.80	202	1060929	50.070	ng	99
81) Benzo(a)anthracene	13.99	228	564800	31.393	ng	98
83) Chrysene	14.03	228	515358	30.009	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	262982	19.326	ng	# 91
88) Benzo(b)fluoranthene	15.05	252	705531m	38.156	ng	
89) Benzo(k)fluoranthene	15.07	252	170550m	9.629	ng	
90) Benzo(a)pyrene	15.42	252	521142	31.323	ng	98
91) Dibenzo(a,h)anthracene	16.96	278	71679m	5.346	ng	
92) Benzo(g,h,i)perylene	17.41	276	266732	21.084	ng	99

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

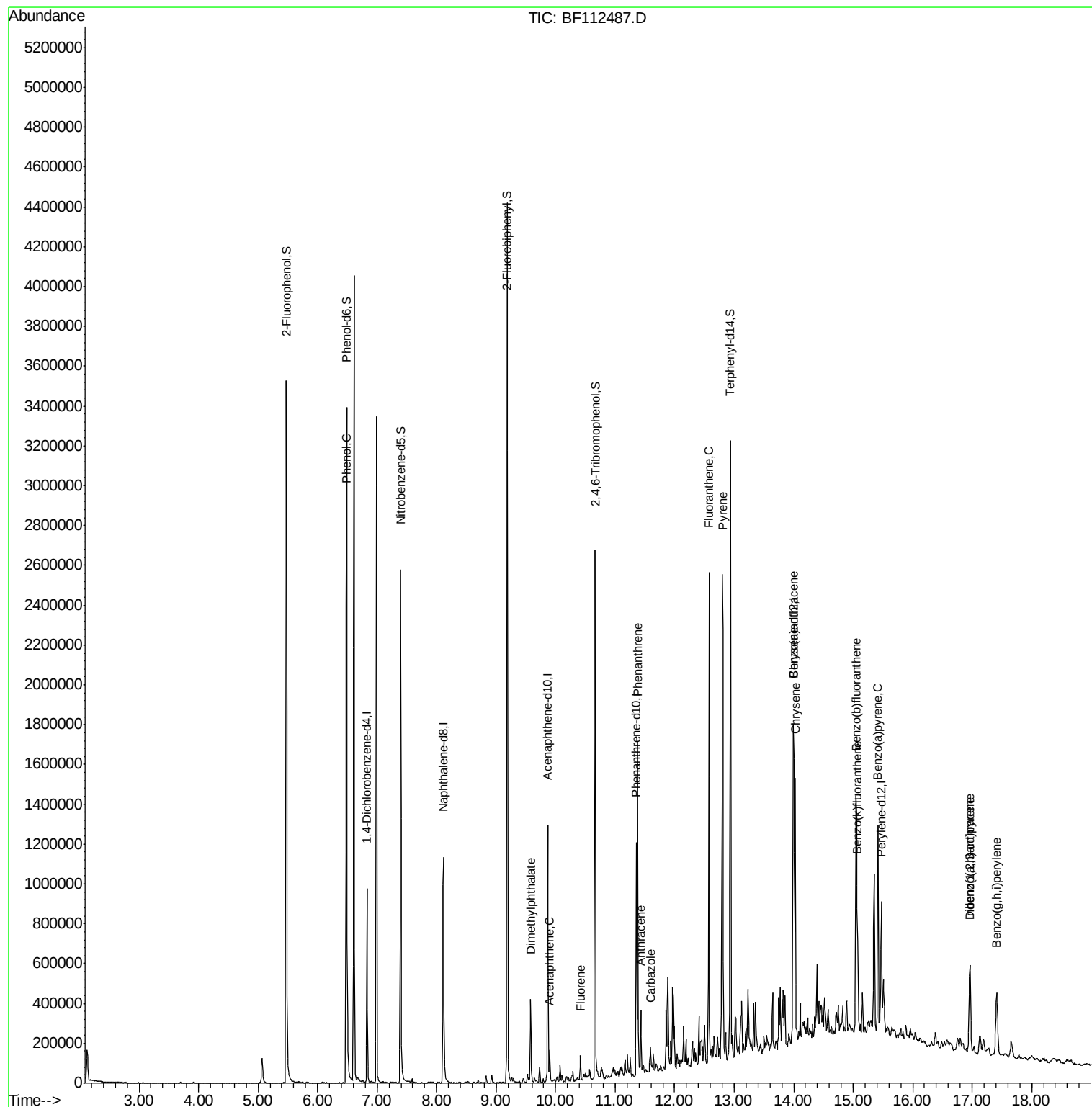
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021119\
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ALS Vial : 12 Sample Multiplier: 1

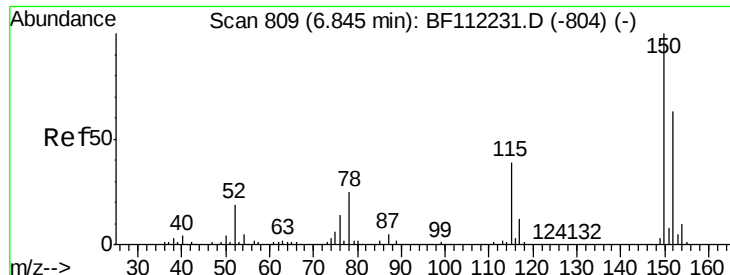
Instrument :
BNA_F
ClientSampled :
TP-1

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Quant Time: Feb 12 01:15:32 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

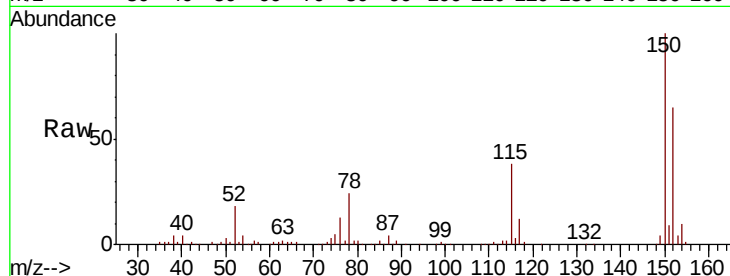
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112487.D
Acq: 11 Feb 2019 18:10

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	127.4	191.0
115	58.6	45.5	68.3

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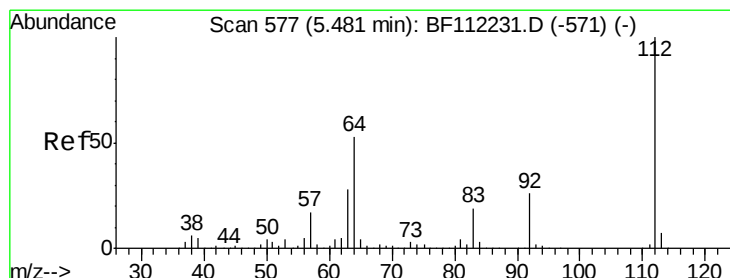
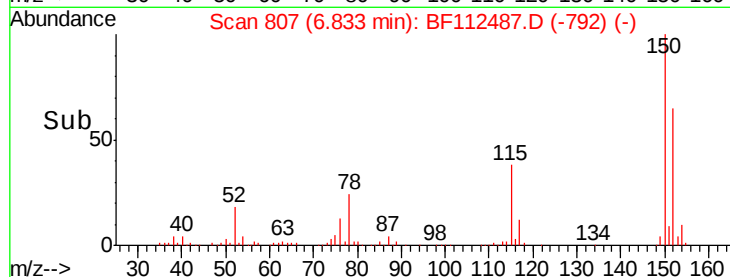
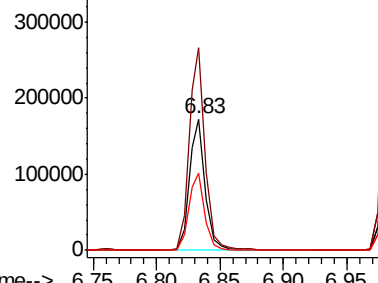


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

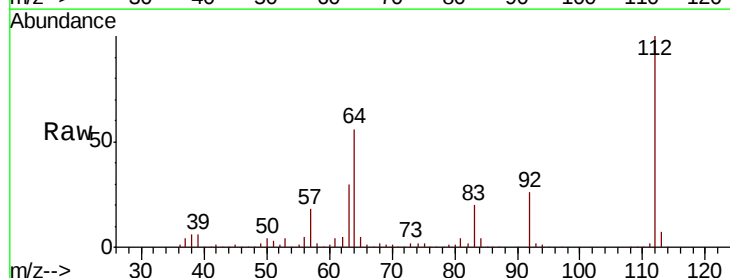
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 146.125 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112487.D
Acq: 11 Feb 2019 18:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	45.7	68.5
63	30.2	23.6	35.4

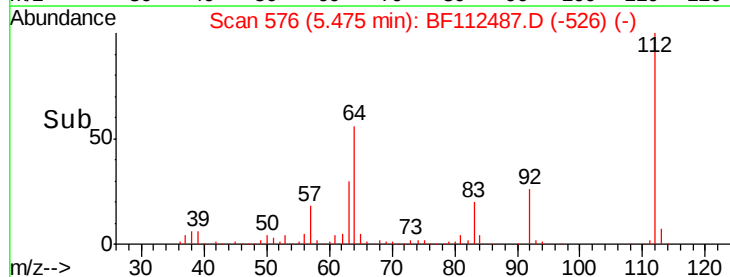
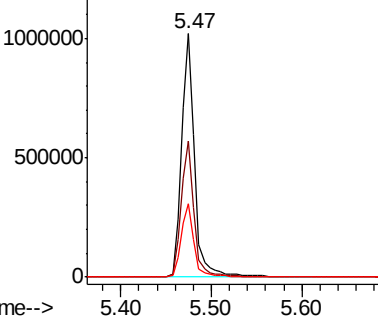


Abundance

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: 134.780 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112487.D

Acq: 11 Feb 2019 18:10

Instrument :

BNA_F

ClientSampled :

TP-1

Tot Ion: 99 Resp: 1342685

Ion Ratio Lower Upper

99 100

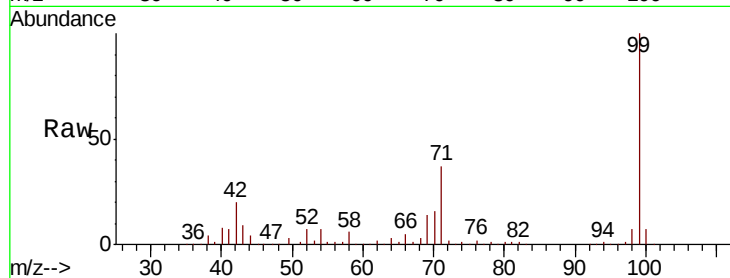
42 19.6 15.1 22.7

71 37.2 26.9 40.3

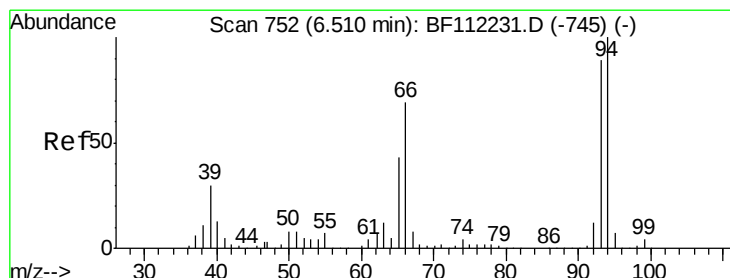
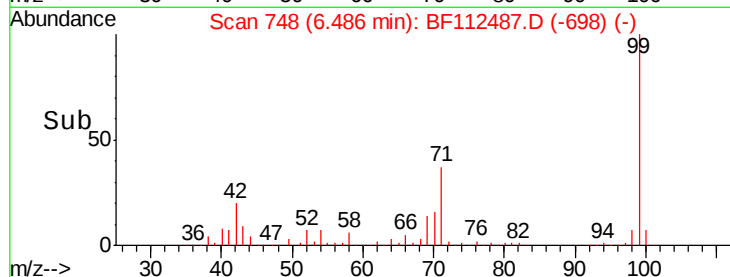
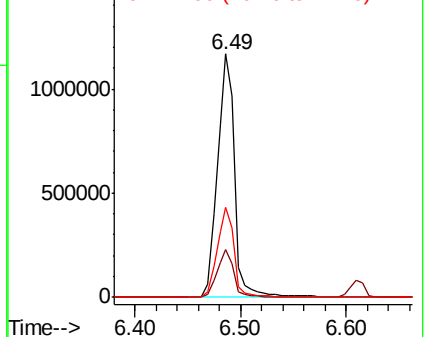
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 7.710 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112487.D

Acq: 11 Feb 2019 18:10

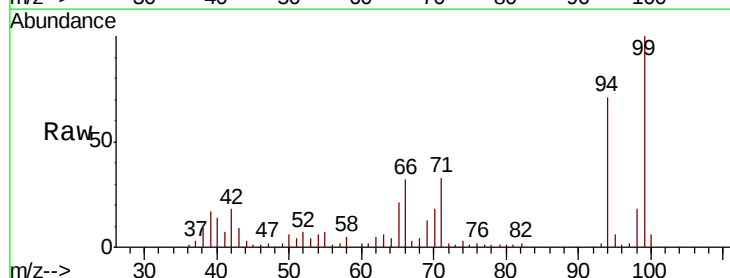
Tgt Ion: 94 Resp: 84271

Ion Ratio Lower Upper

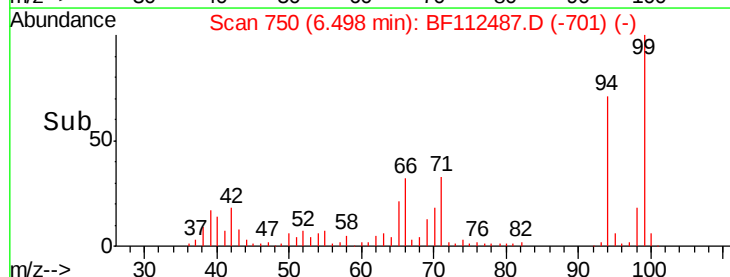
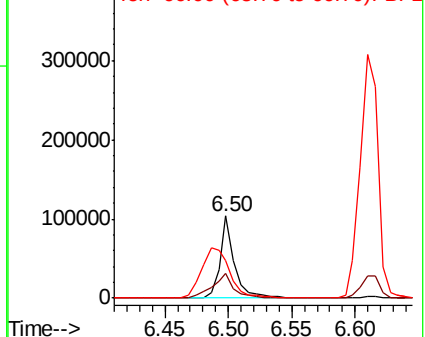
94 100

65 29.8 20.3 60.3

66 45.4 42.4 82.4



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112487.D

Acq: 11 Feb 2019 18:10

Instrument :

BNA_F

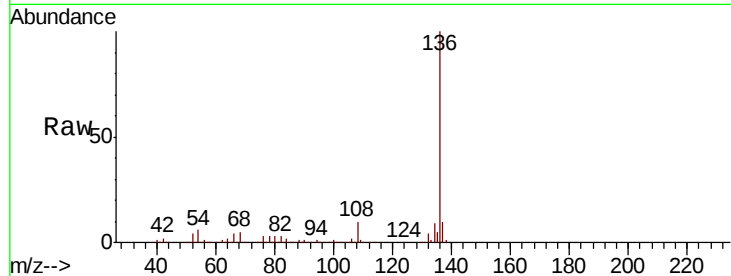
ClientSampleId :

TP-1

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.1	13.7
54	5.9	5.9	8.9#
68	4.5	5.1	7.7#

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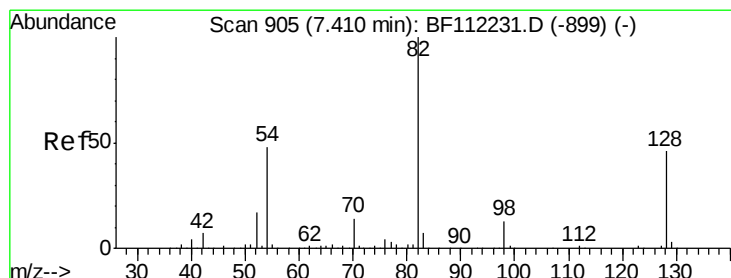
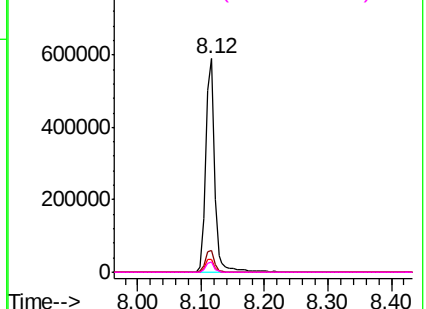
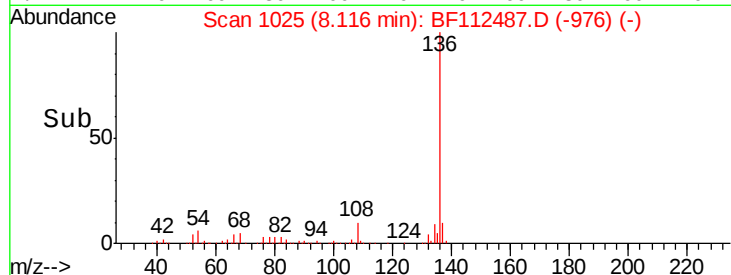
Abundance

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: 87.296 ng

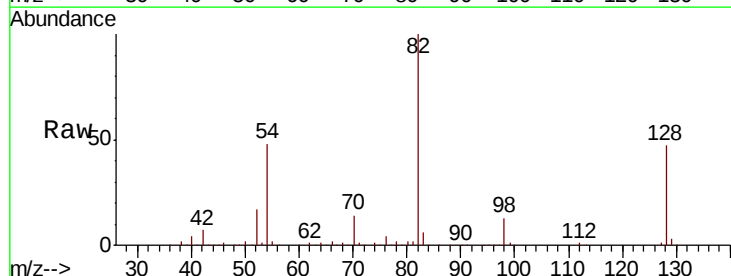
RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112487.D

Acq: 11 Feb 2019 18:10

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.8	56.8
54	47.8	39.7	59.5

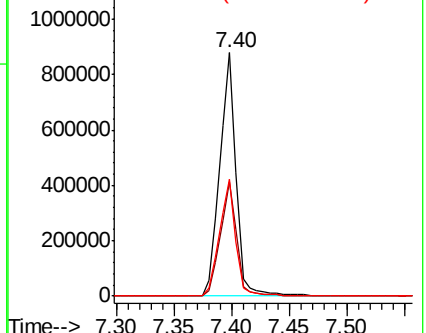
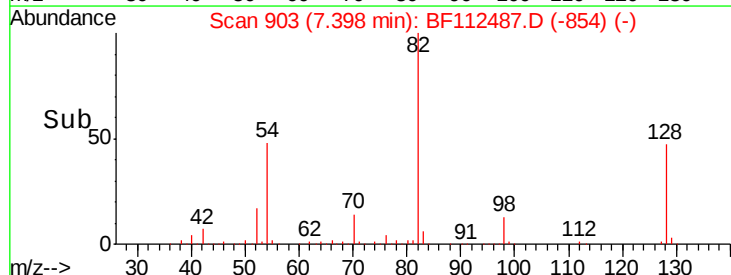


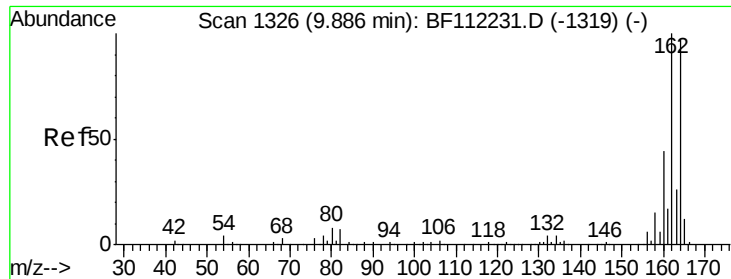
Abundance

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





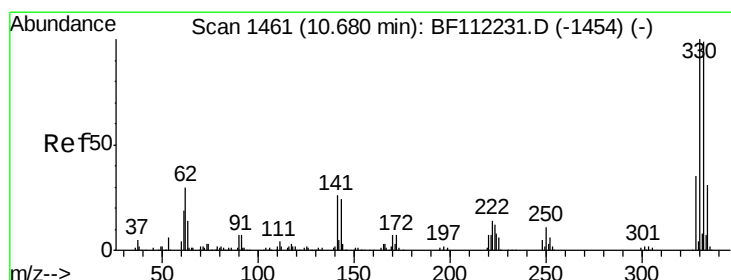
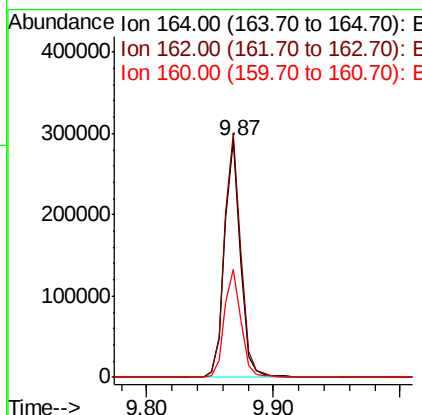
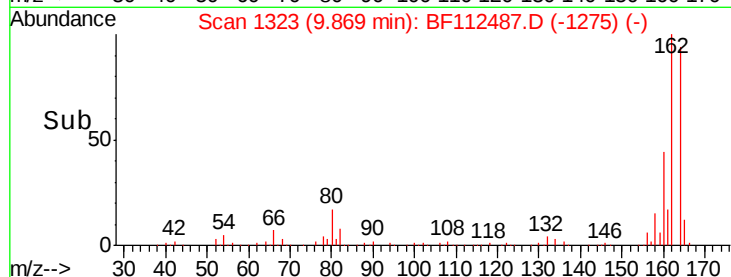
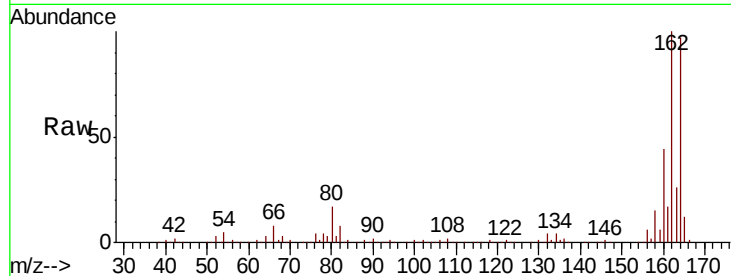
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112487.D
Acq: 11 Feb 2019 18:10

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.2	123.4
160	45.6	36.2	54.4

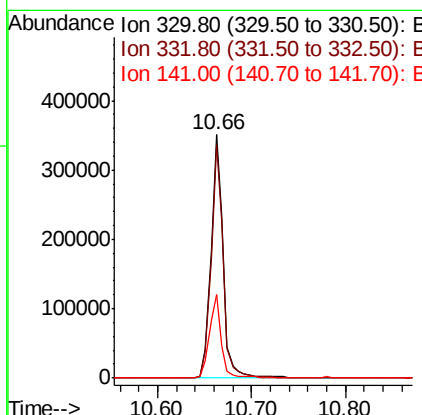
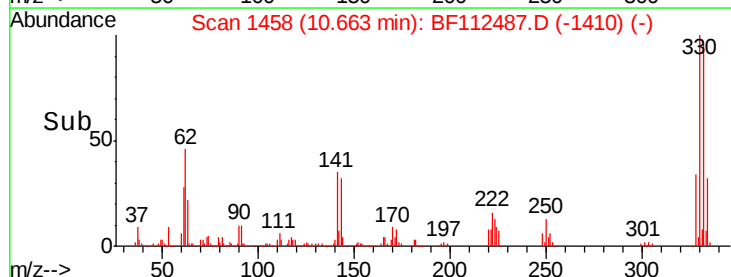
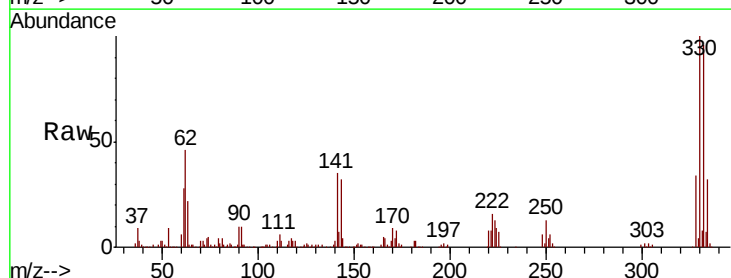
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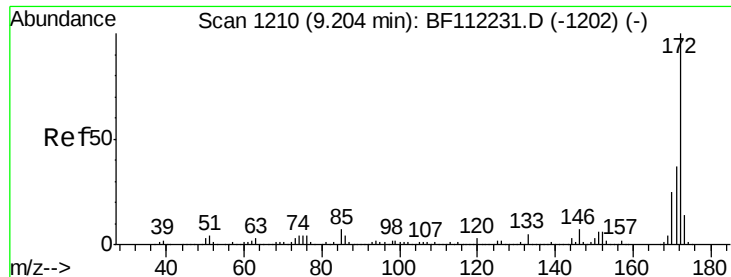
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#42
2,4,6-Tribromophenol
Concen: 108.096 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF112487.D
Acq: 11 Feb 2019 18:10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	114.8
141	34.1	24.3	36.5





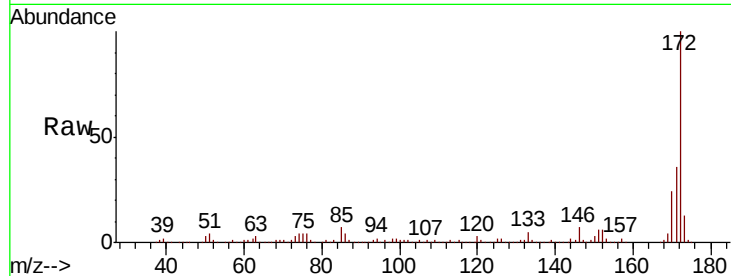
#45
2-Fluorobiphenyl
Concen: 77.844 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112487.D
Acq: 11 Feb 2019 18:10

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.5	45.7
170	23.8	20.2	30.4

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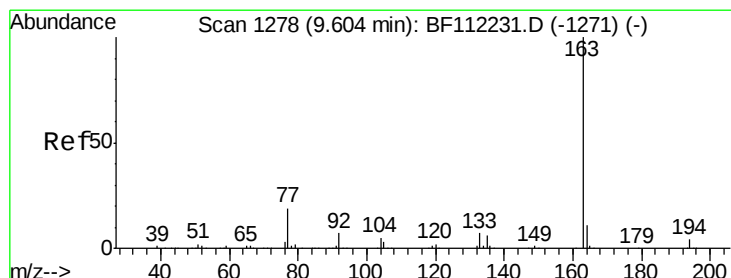
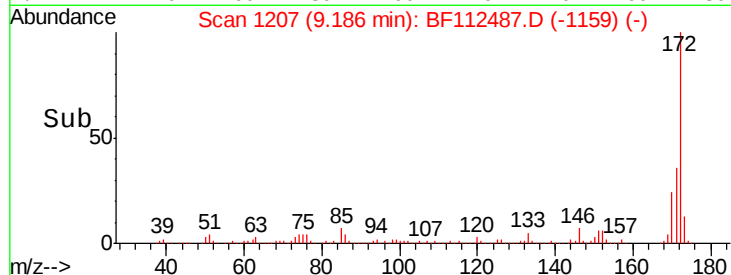
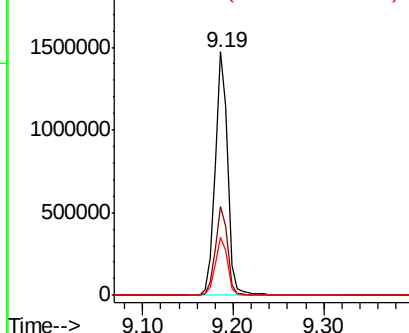


Abundance

Ion 172.00 (171.70 to 172.70): E

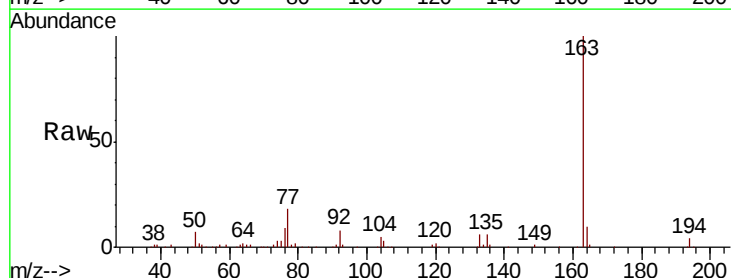
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 8.647 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112487.D
Acq: 11 Feb 2019 18:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	9.8	8.5	12.7

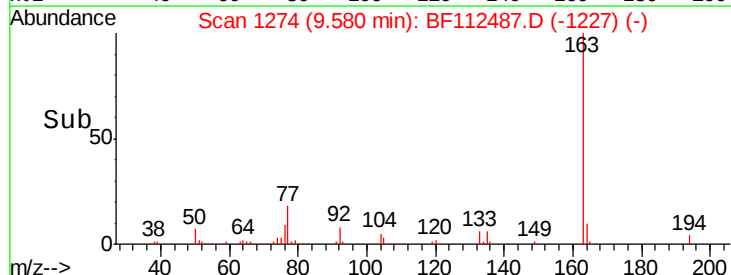
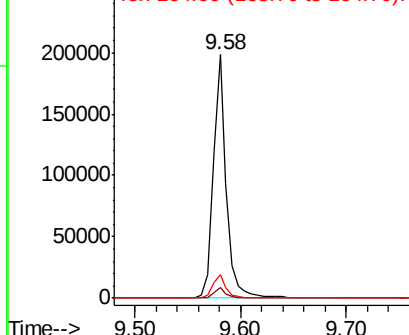


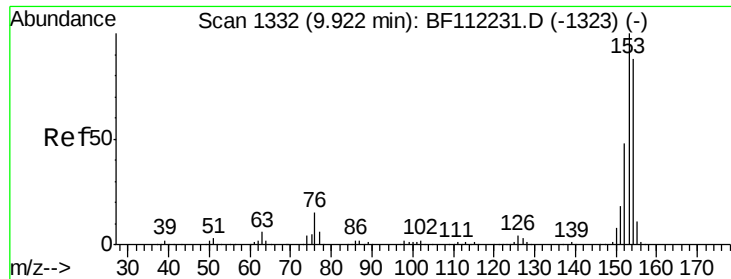
Abundance

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





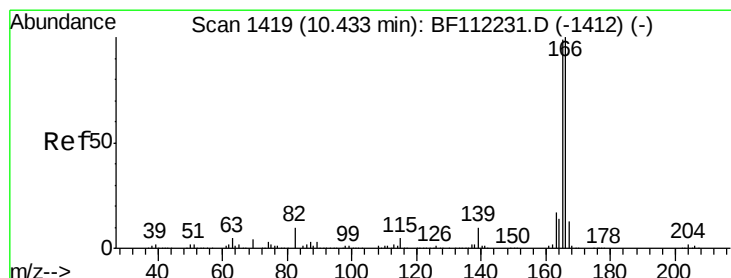
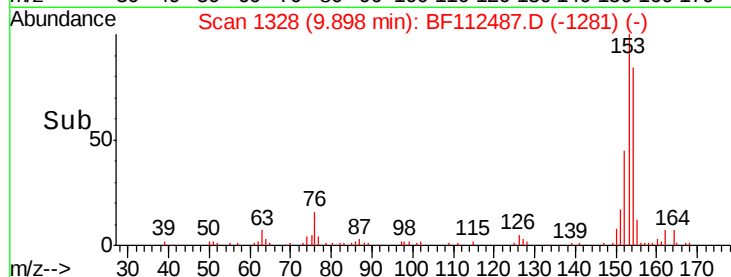
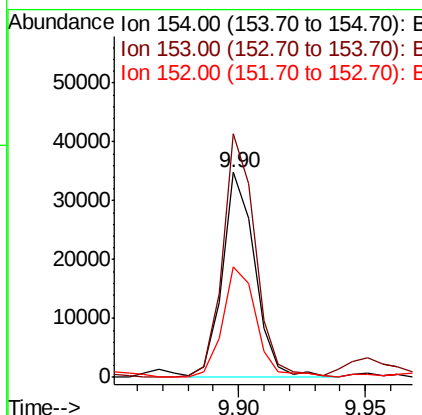
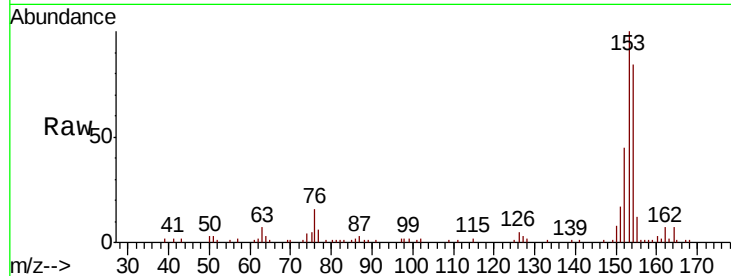
#52
Acenaphthene
Concen: 2.050 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BF112487.D
Acq: 11 Feb 2019 18:10

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
154	100		
153	118.8	89.8	134.6
152	53.8	43.5	65.3

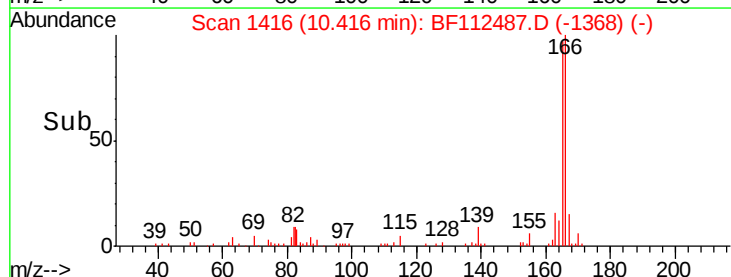
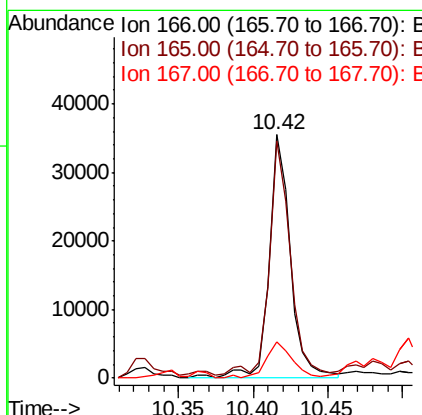
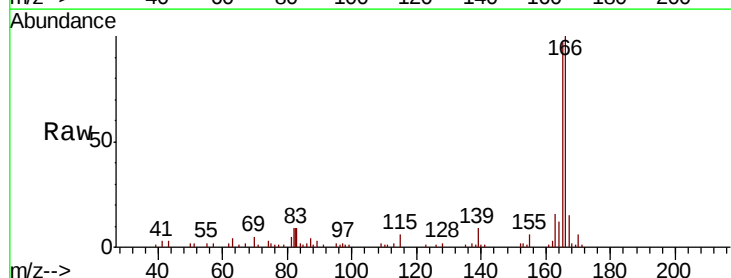
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#58
Fluorene
Concen: 2.025 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BF112487.D
Acq: 11 Feb 2019 18:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.1	115.7
167	15.0	11.3	16.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF112487.D

Acq: 11 Feb 2019 18:10

Instrument :

BNA_F

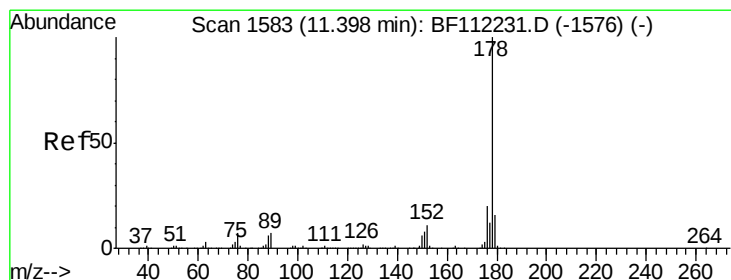
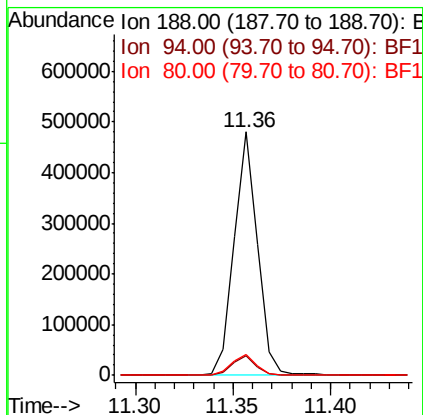
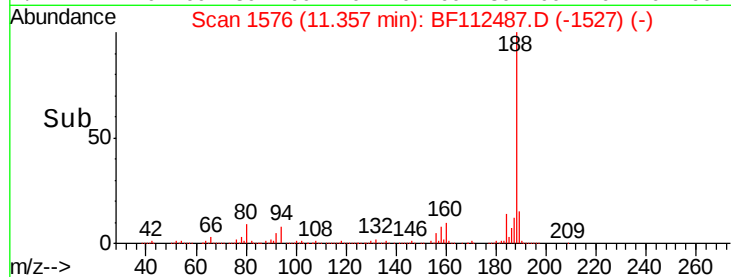
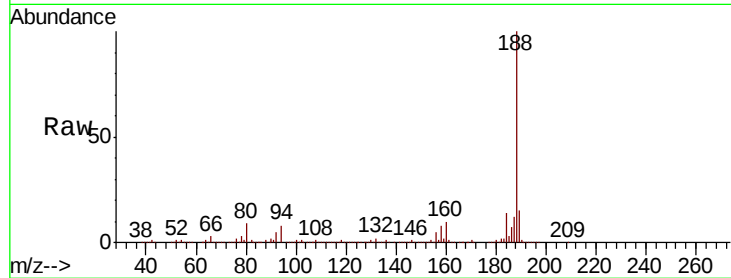
ClientSampleId :

TP-1

Tot Ion:	188	Resp:	398856
Ion Ratio	Lower	Upper	
188	100		
94	8.0	8.2	12.2#
80	8.5	8.9	13.3#

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#71

Phenanthrene

Concen: 28.969 ng

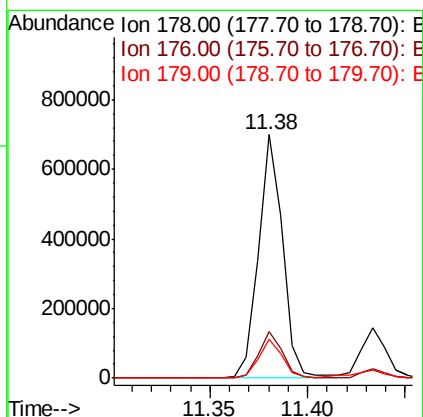
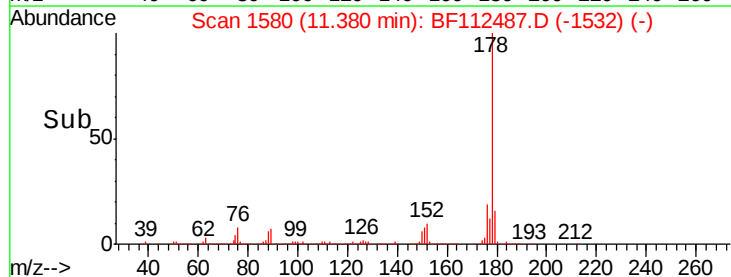
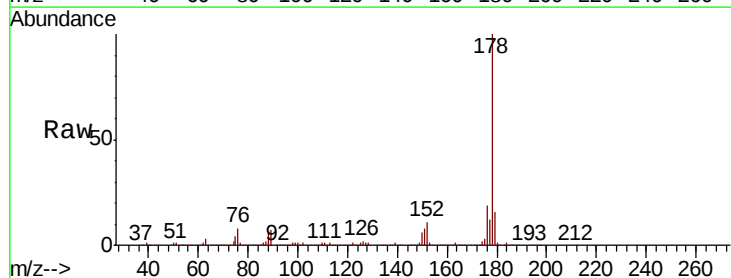
RT: 11.38 min Scan# 1580

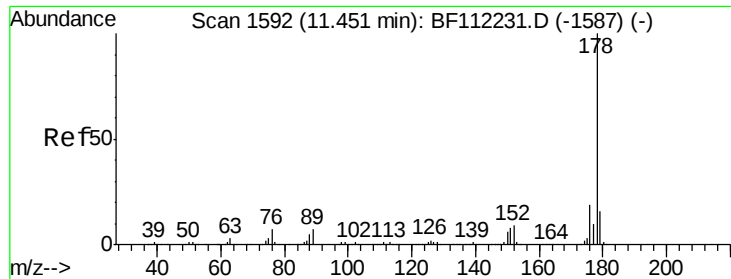
Delta R.T. -0.02 min

Lab File: BF112487.D

Acq: 11 Feb 2019 18:10

Tgt Ion:	178	Resp:	600691
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.3	24.5
179	15.7	13.0	19.4





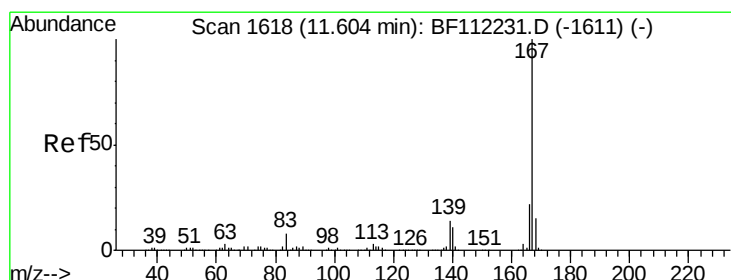
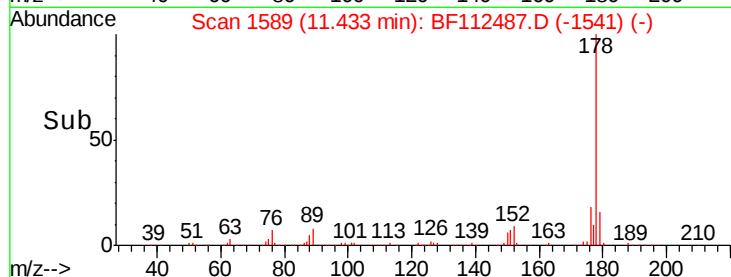
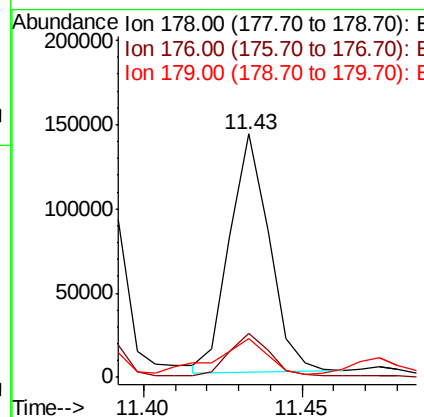
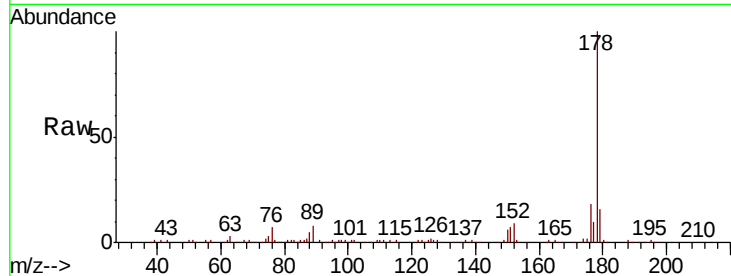
#72
 Anthracene
 Concen: 5.910 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.02 min
 Lab File: BF112487.D
 Acq: 11 Feb 2019 18:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.5	23.3
179	15.9	12.8	19.2

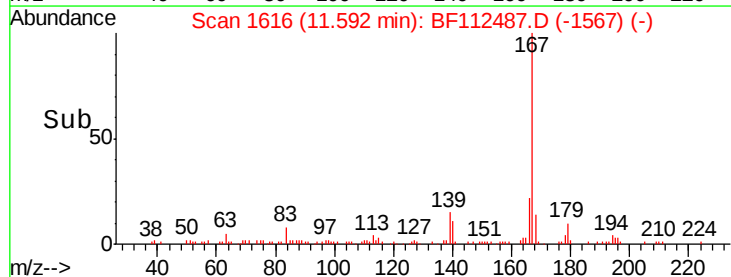
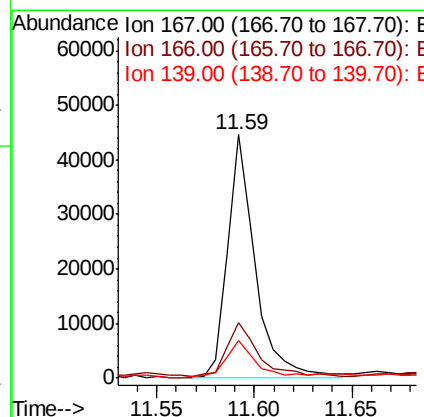
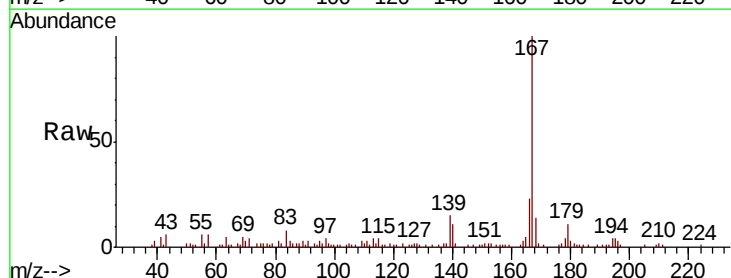
Manual Integrations
 APPROVED

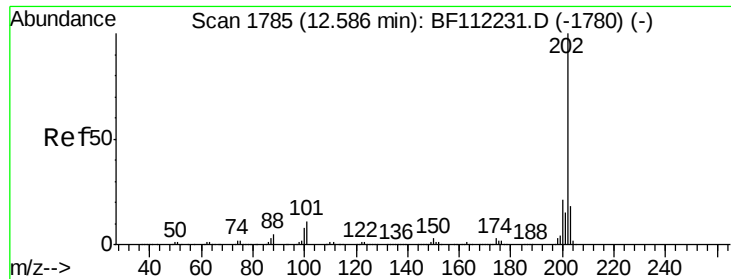
Sohil
 2/12/2019 11:57:13 AM



#73
 Carbazole
 Concen: 2.155 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF112487.D
 Acq: 11 Feb 2019 18:10

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.9	26.9
139	15.5	10.2	15.2#





#75

Fluoranthene

Concen: 41.648 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112487.D

Acq: 11 Feb 2019 18:10

Instrument :

BNA_F

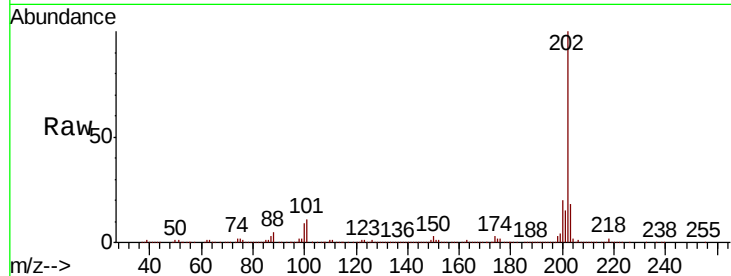
ClientSampled :

TP-1

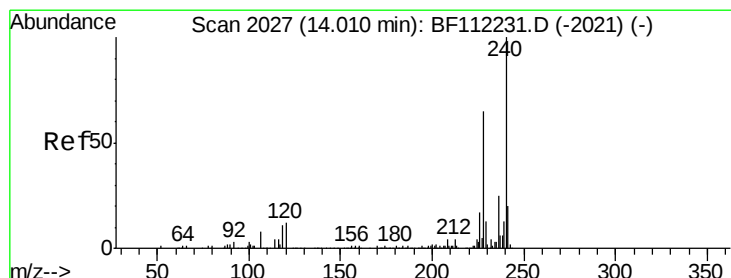
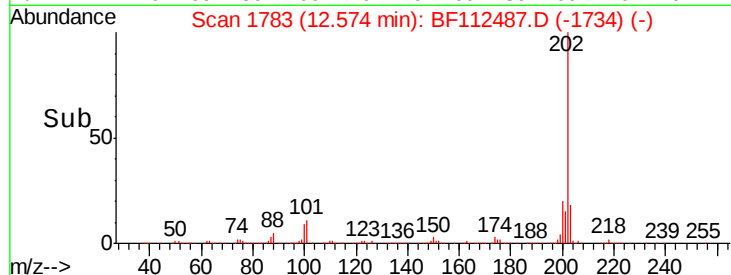
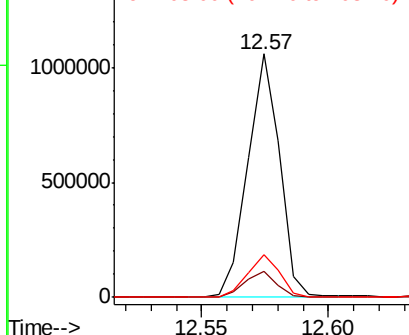
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.8	0.0	31.8
203	17.7	0.0	38.4

Manual Integrations
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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

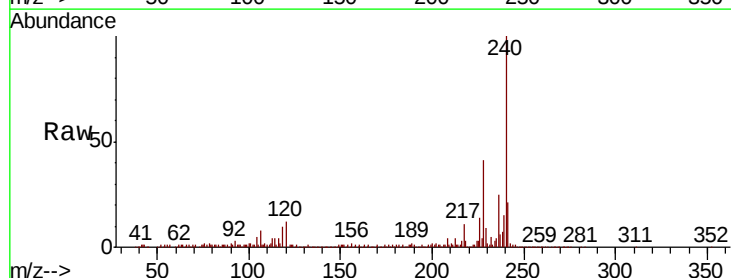
RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

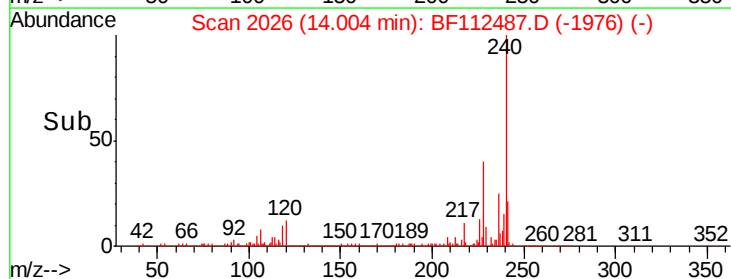
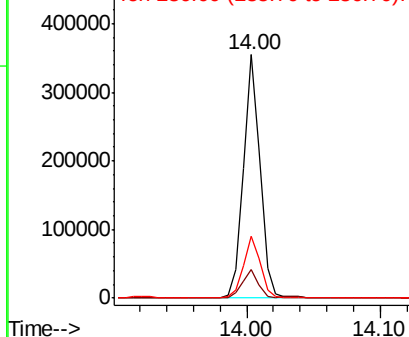
Lab File: BF112487.D

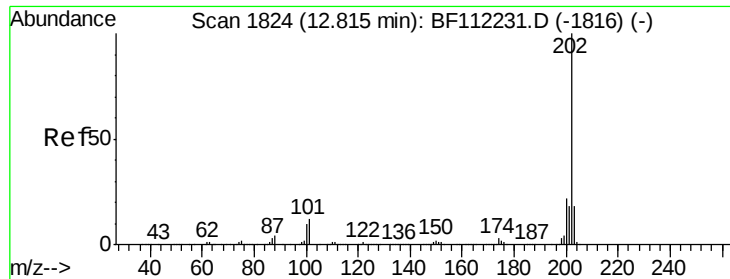
Acq: 11 Feb 2019 18:10

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.8	9.0	13.6
236	25.4	20.7	31.1



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: 50.070 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF112487.D

Acq: 11 Feb 2019 18:10

Instrument :

BNA_F

ClientSampled :

TP-1

Tot Ion:202 Resp: 1060929

Ion Ratio Lower Upper

202 100

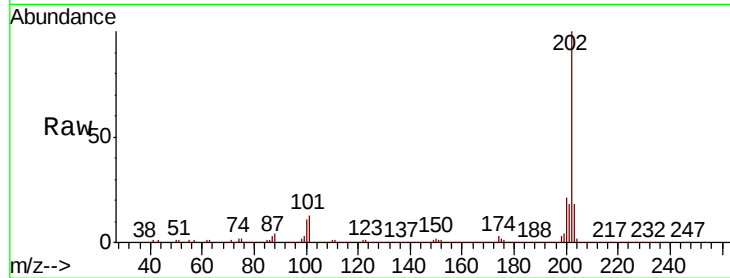
200 21.3 17.7 26.5

203 17.8 14.6 22.0

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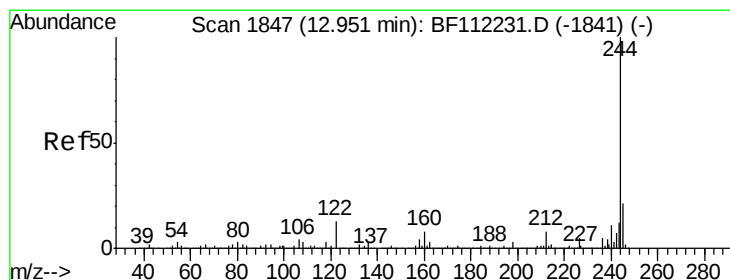
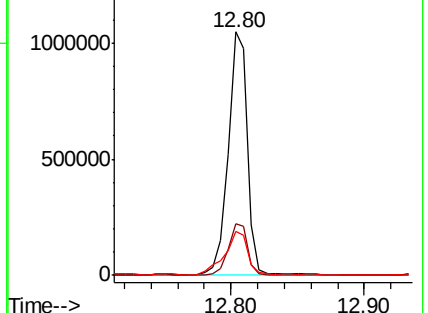
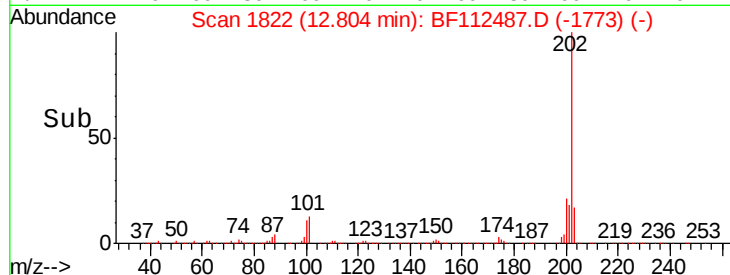
2/12/2019 11:57:13 AM



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: 60.249 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112487.D

Acq: 11 Feb 2019 18:10

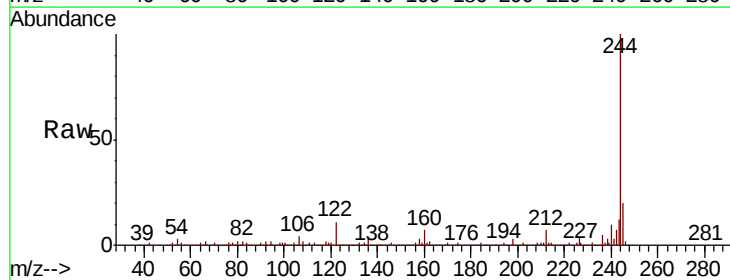
Tgt Ion:244 Resp: 978999

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

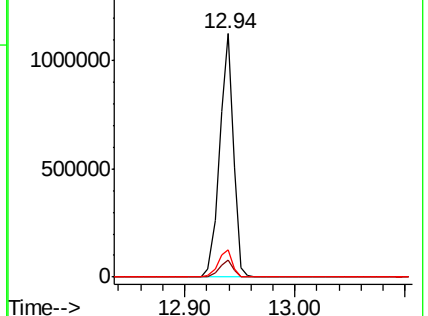
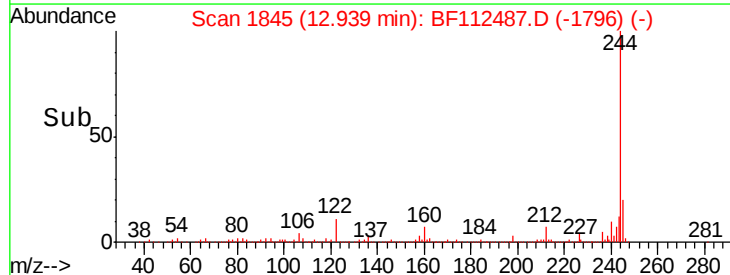
122 11.2 9.8 14.6

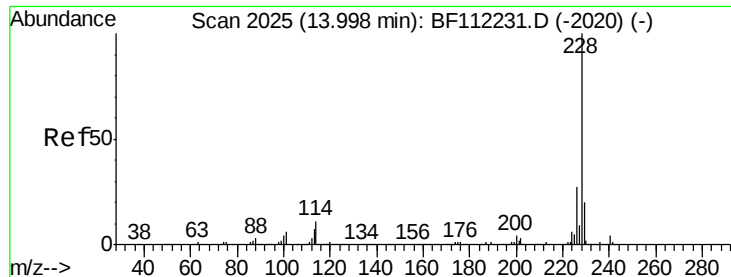


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





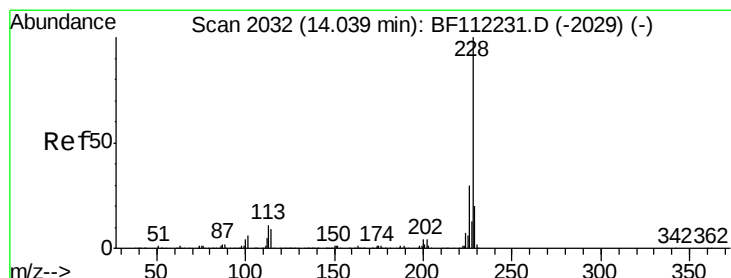
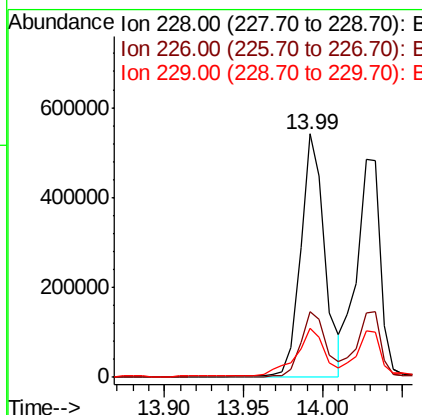
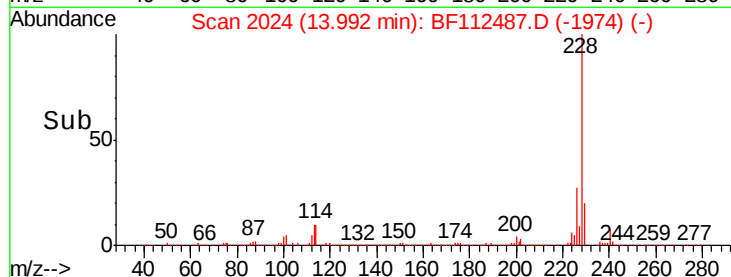
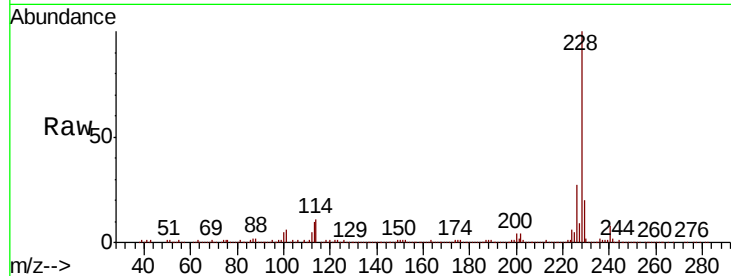
#81
Benzo(a)anthracene
Concen: 31.393 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF112487.D
Acq: 11 Feb 2019 18:10

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	34.0
229	20.3	16.5	24.7

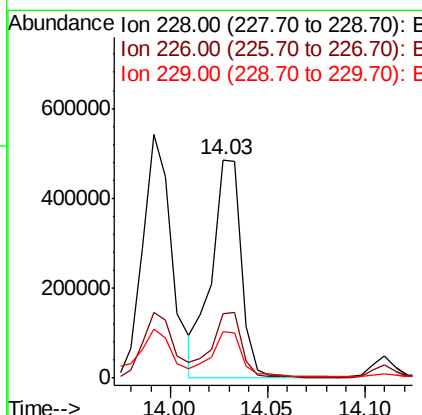
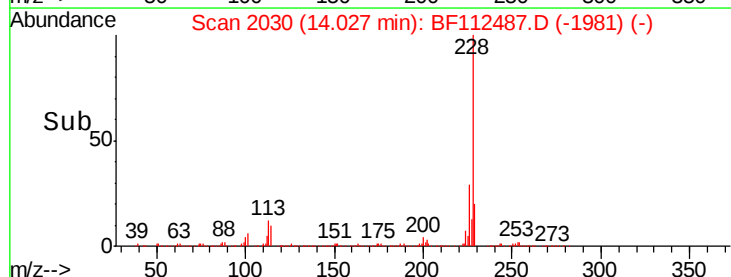
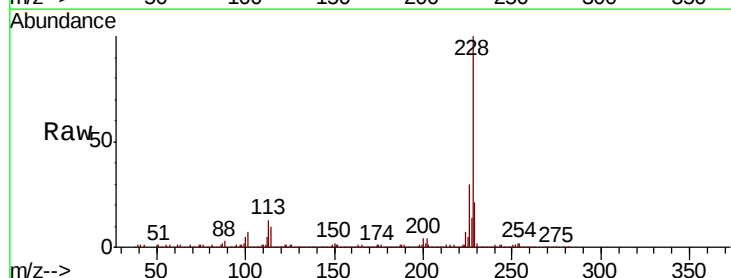
Manual Integrations
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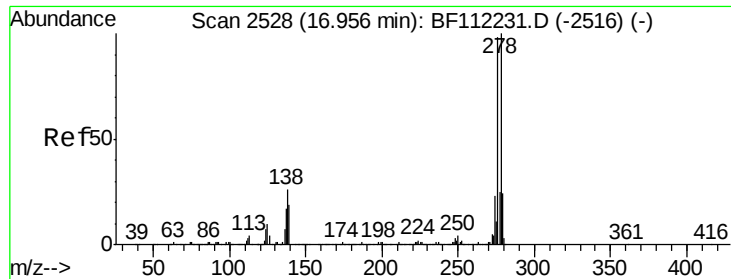
Sohil
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#83
Chrysene
Concen: 30.009 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112487.D
Acq: 11 Feb 2019 18:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	21.1	16.6	24.8





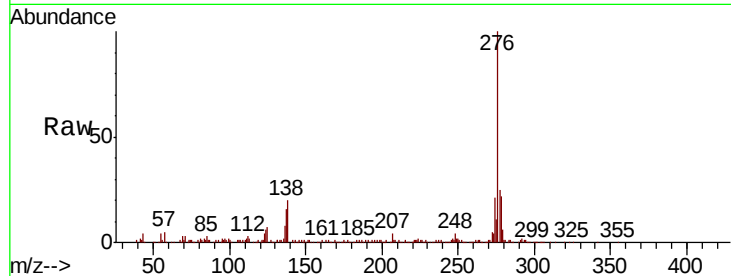
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 19.326 ng
 RT: 16.96 min Scan# 2529
 Delta R.T. 0.01 min
 Lab File: BF112487.D
 Acq: 11 Feb 2019 18:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tot Ion	Ratio	Resp	Lower	Upper
276	100	262982		
138	20.8		22.6	34.0#
277	24.3		20.3	30.5

Manual Integrations
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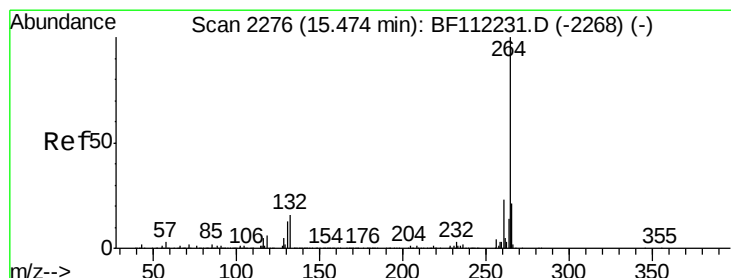
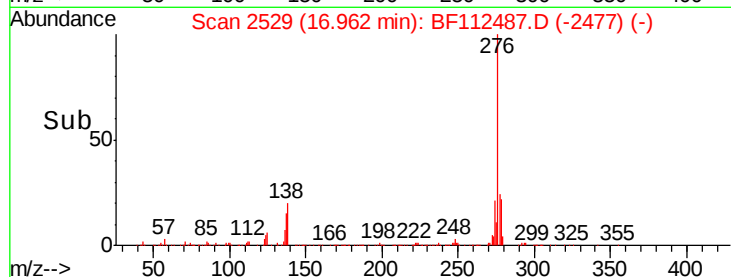
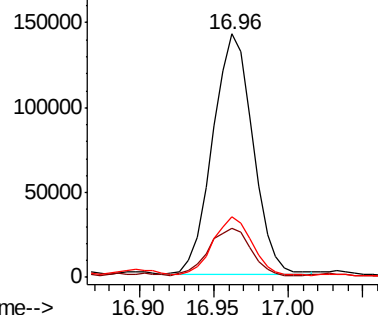


Abundance

Ion 276.00 (275.70 to 276.70): E

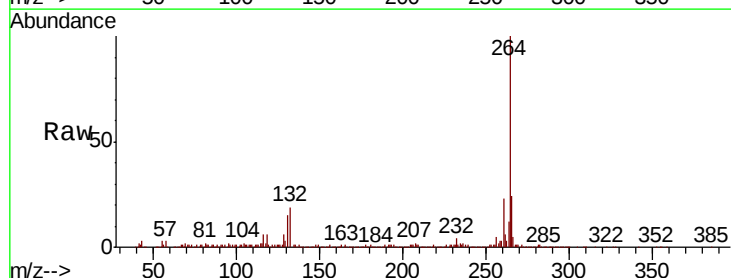
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. -0.00 min
 Lab File: BF112487.D
 Acq: 11 Feb 2019 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	309183		
260	22.7		18.2	27.2
265	23.5		17.0	25.4

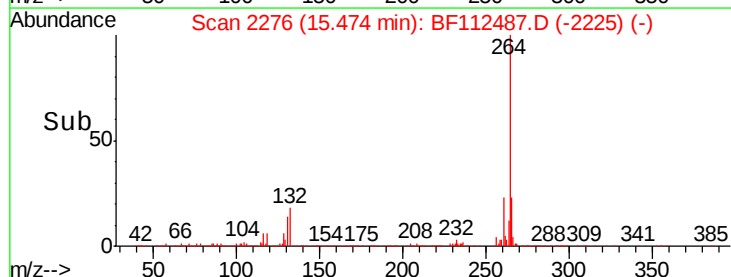
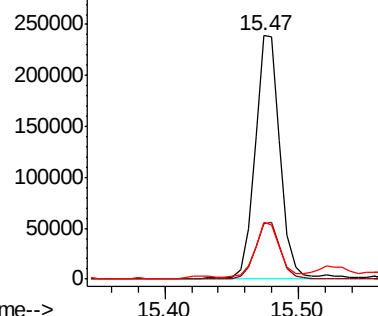


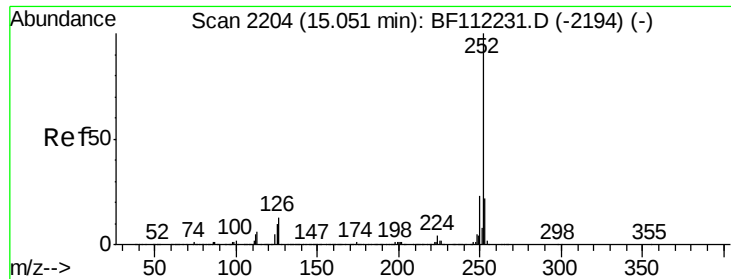
Abundance

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





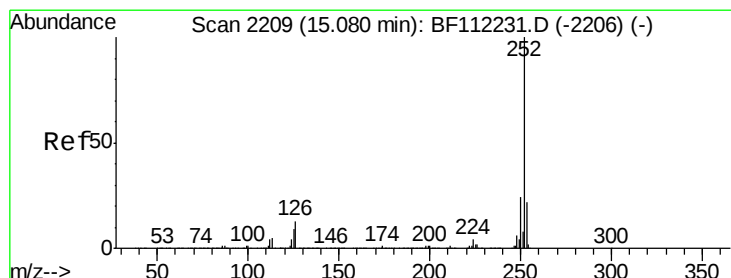
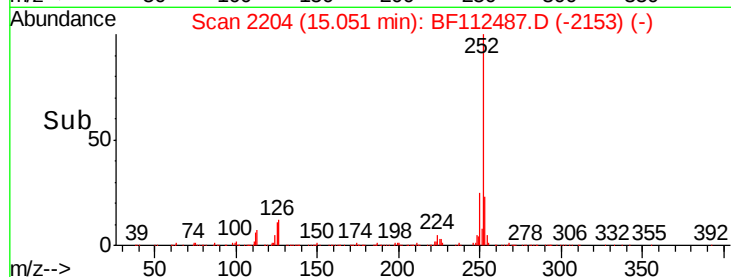
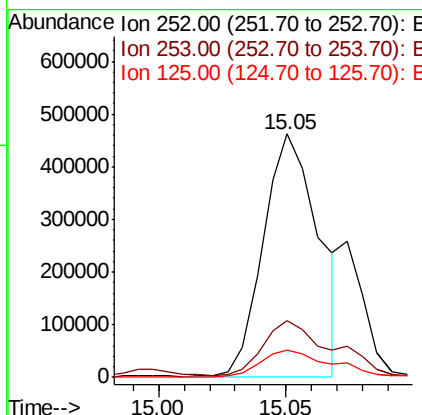
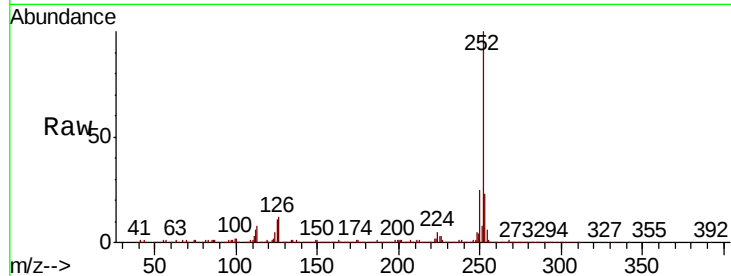
#88
Benzo(b)fluoranthene
Concen: 38.156 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF112487.D
Acq: 11 Feb 2019 18:10

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	11.4	8.7	13.1

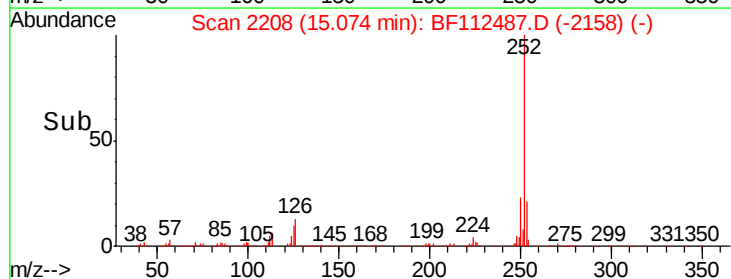
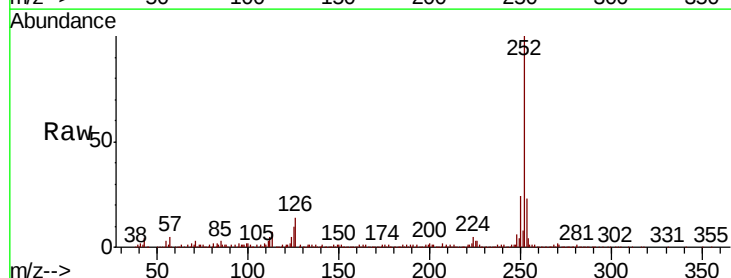
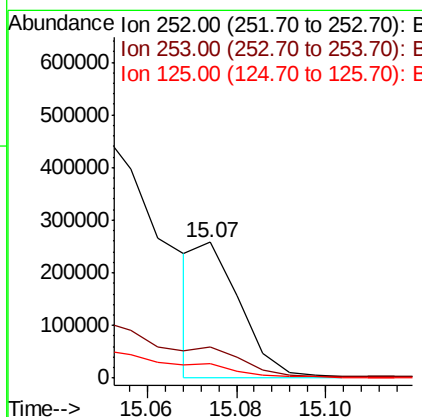
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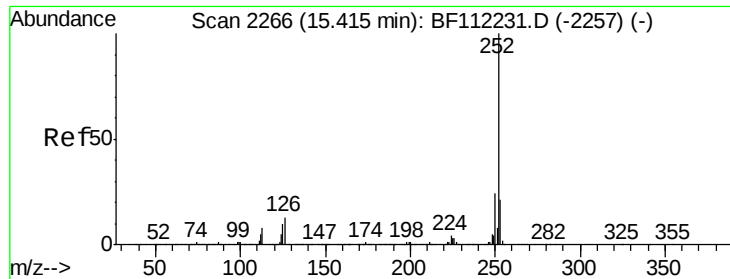
Sohil
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#89
Benzo(k)fluoranthene
Concen: 9.629 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF112487.D
Acq: 11 Feb 2019 18:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	10.4	9.1	13.7





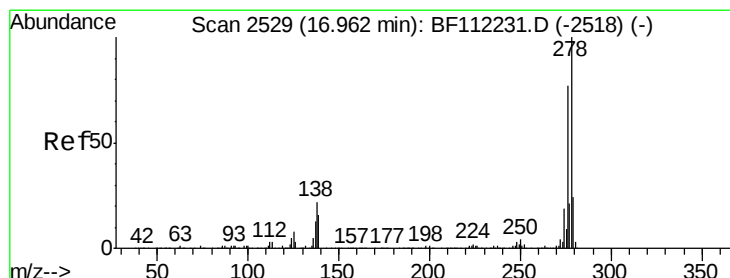
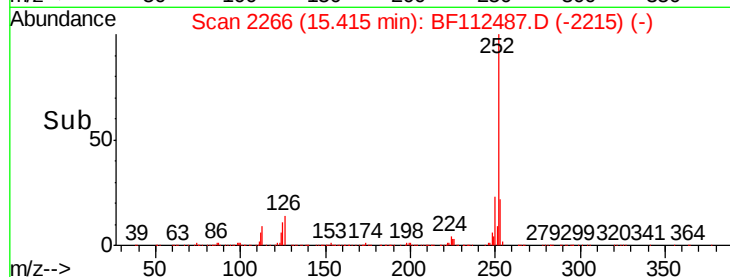
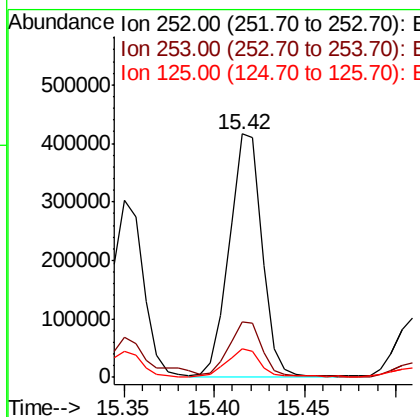
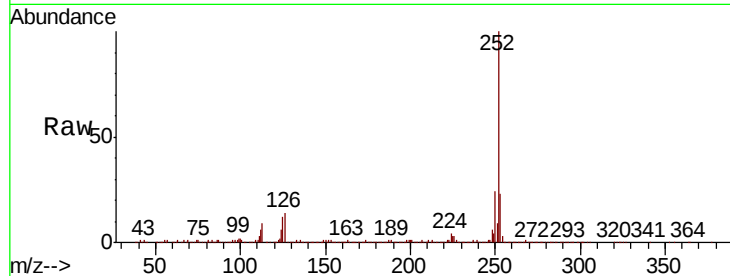
#90
Benzo(a)pyrene
Concen: 31.323 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.00 min
Lab File: BF112487.D
Acq: 11 Feb 2019 18:10

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	11.6	9.0	13.4

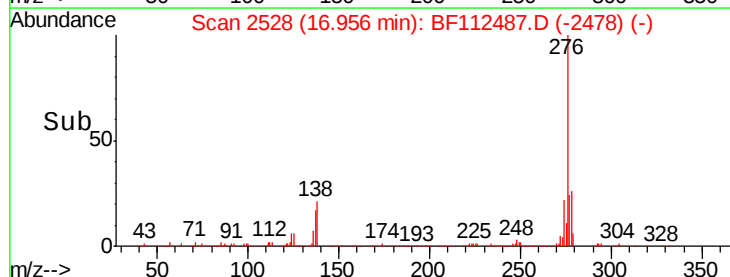
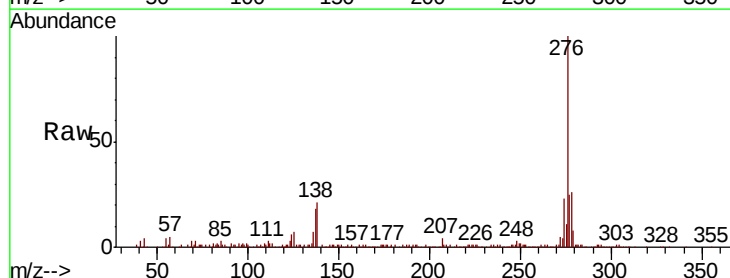
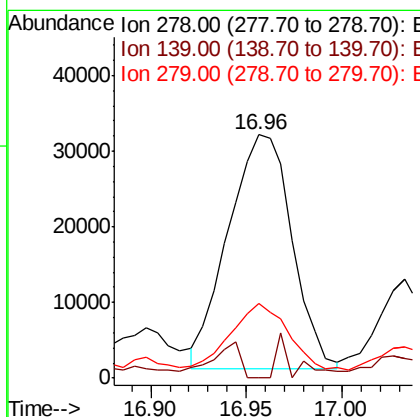
Manual Integrations
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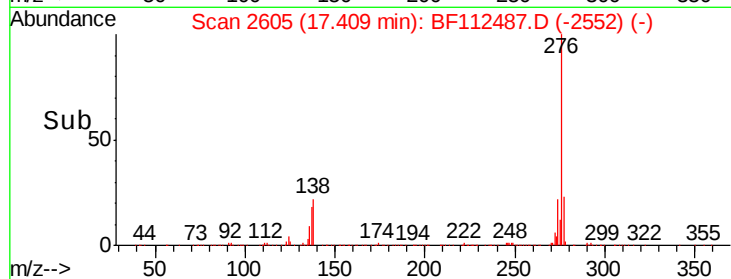
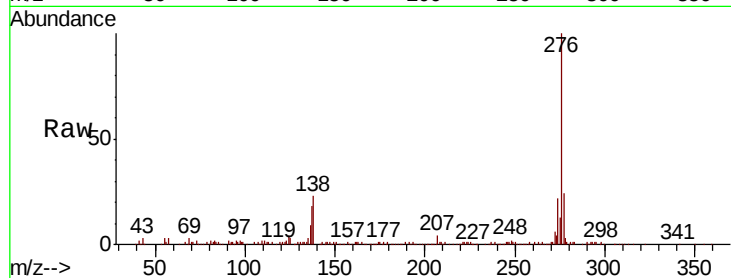
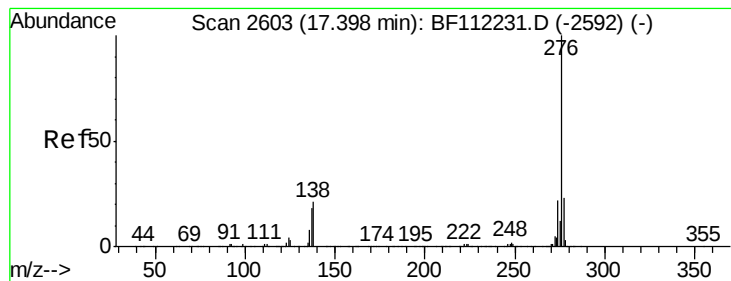
Sohil
2/12/2019 11:57:13 AM



#91
Dibenzo(a,h)anthracene
Concen: 5.346 ng m
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF112487.D
Acq: 11 Feb 2019 18:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.7	20.5#
279	30.5	19.0	28.6#





#92

Benzo(a,h,i)perylene

Concen: 21.084 ng

RT: 17.41 min Scan# 2605

Delta R.T. 0.01 min

Lab File: BF112487.D

Acq: 11 Feb 2019 18:10

Instrument :

BNA_F

ClientSampleId :

TP-1

Tot Ion:	276	Resp:	266732
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.4	29.0
138	22.5	19.1	28.7

Manual Integrations
APPROVED

Sohil
2/12/2019 11:57:13 AM

