

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
 Data File : BF112202.D
 Acq On : 23 Jan 2019 15:24
 Operator : JU/SJ
 Sample : K1216-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MULCH-1

Manual Integrations
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Sohil
 1/24/2019 11:30:24 AM

Quant Time: Jan 23 16:01:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	199186	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	792517	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	412074	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	827256	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	671412	20.00	ng	-0.01
87) Perylene-d12	15.49	264	557815	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1094405	99.73	ng	0.00
7) Phenol-d6	6.50	99	1414623	103.03	ng	0.00
23) Nitrobenzene-d5	7.41	82	887653	77.38	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	509590	114.63	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	1804731	64.21	ng	0.00
79) Terphenyl-d14	12.96	244	2089956	66.22	ng	0.00
Target Compounds						
10) Phenol	6.51	94	89197	5.944	ng	Qvalue # 72
50) Dimethylphthalate	9.60	163	159285	5.300	ng	99
71) Phenanthrene	11.40	178	130850	3.143	ng	95
75) Fluoranthene	12.59	202	180922	4.116	ng	99
78) Pyrene	12.82	202	180786	4.081	ng	96
83) Chrysene	14.04	228	80071	2.198	ng	98
88) Benzo(b)fluoranthene	15.06	252	74920m	2.366	ng	

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

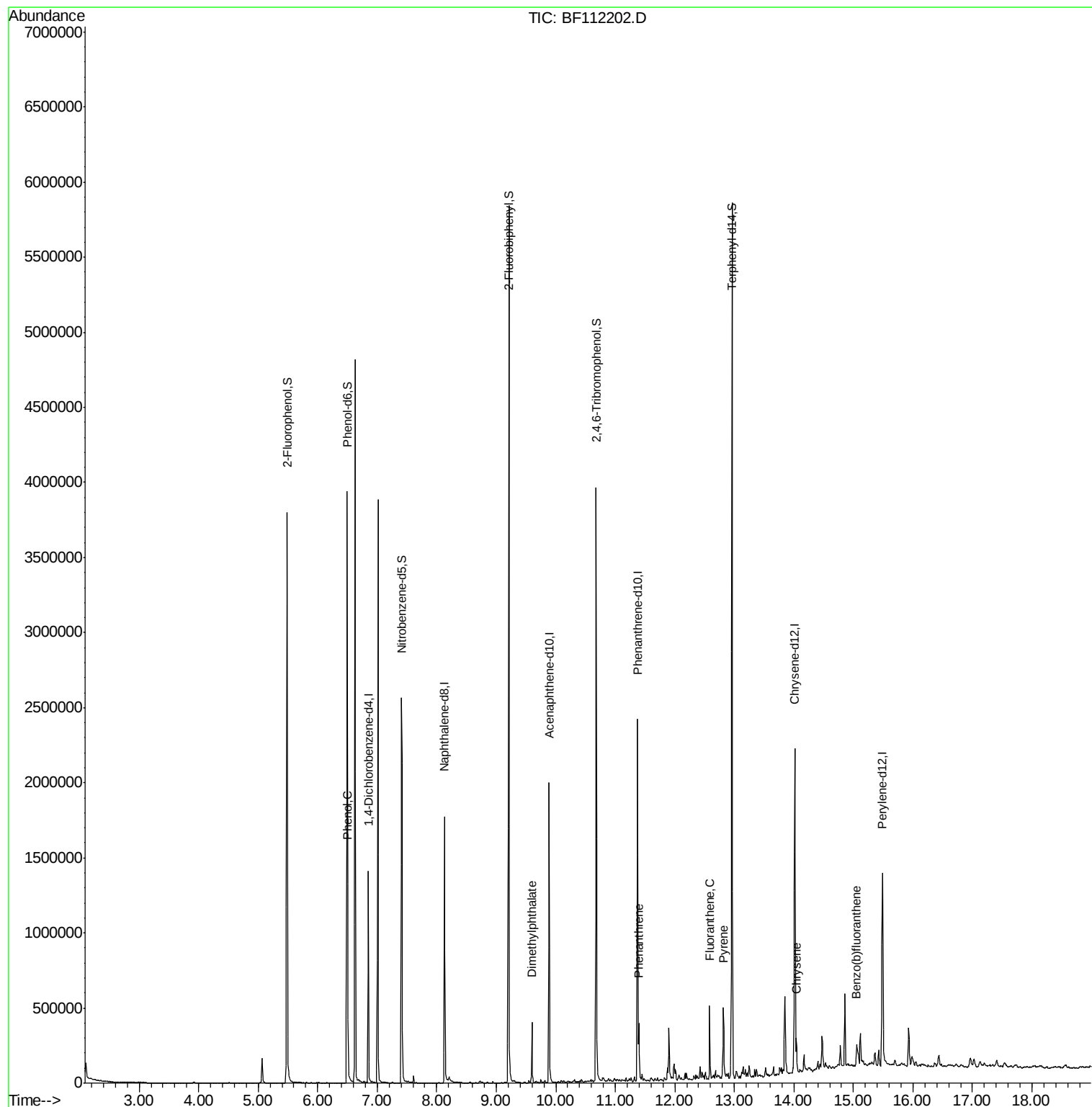
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
Data File : BF112202.D
Acq On : 23 Jan 2019 15:24
Operator : JU/SJ
Sample : K1216-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

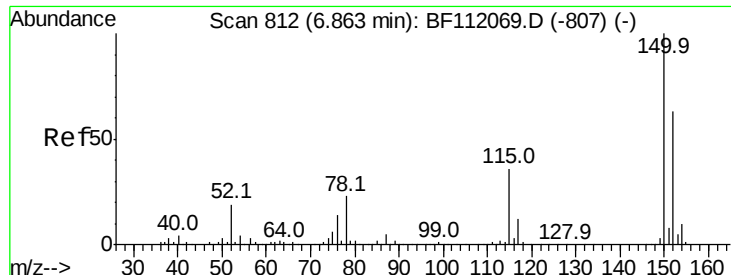
Instrument :
BNA_F
ClientSampleId :
MULCH-1

Manual Integrations
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1/24/2019 11:30:24 AM

Quant Time: Jan 23 16:01:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

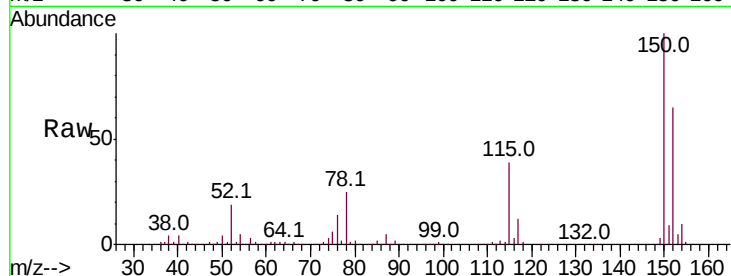
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112202.D
Acq: 23 Jan 2019 15:24

Instrument :
BNA_F
ClientSampled :
MULCH-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	127.4	191.0
115	59.4	45.5	68.3

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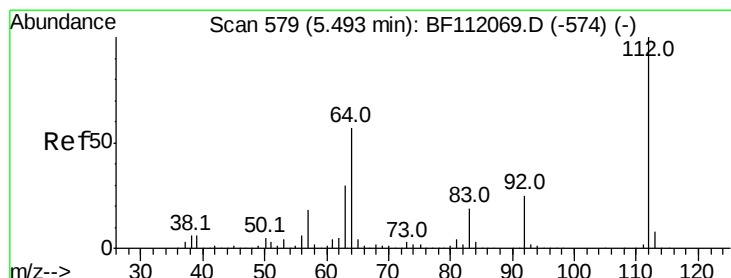
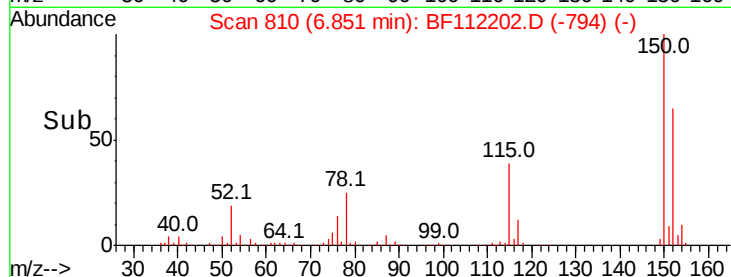
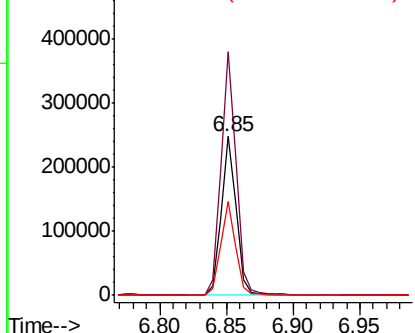


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

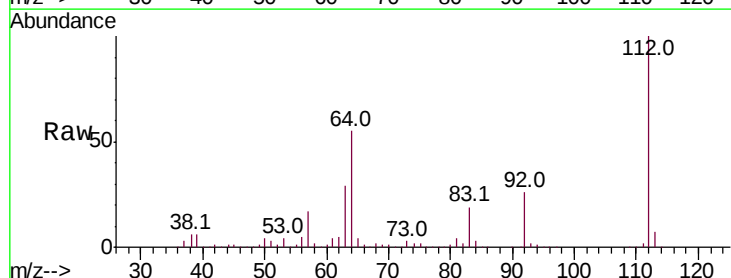
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 99.725 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF112202.D
Acq: 23 Jan 2019 15:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	45.7	68.5
63	28.8	23.6	35.4

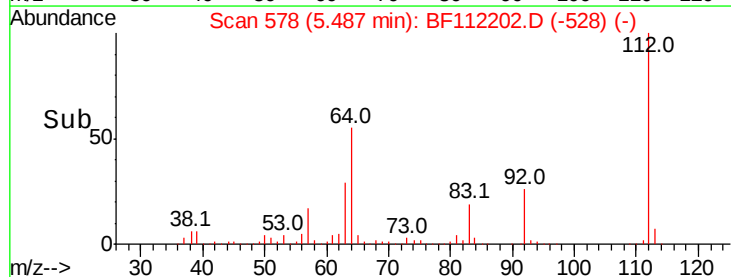
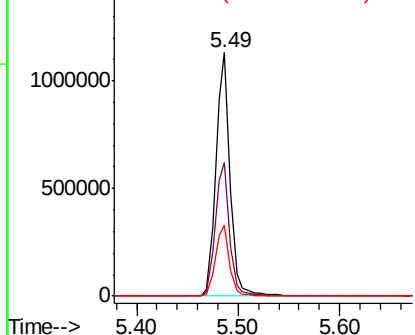


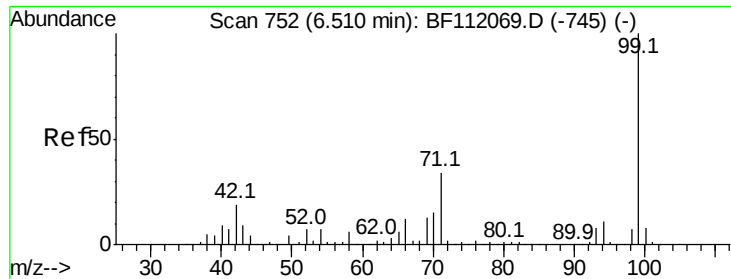
Abundance

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: 103.028 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112202.D

Acq: 23 Jan 2019 15:24

Instrument :

BNA_F

ClientSampleId :

MULCH-1

Tot Ion: 99 Resp: 1414623

Ion Ratio Lower Upper

99 100

42 17.5 15.1 22.7

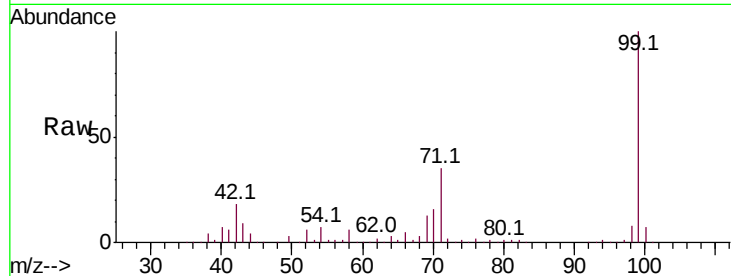
71 35.4 26.9 40.3

Manual Integrations

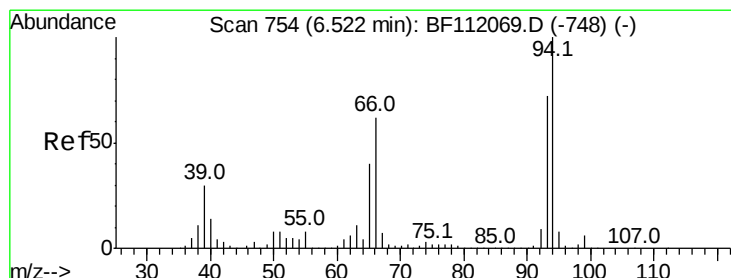
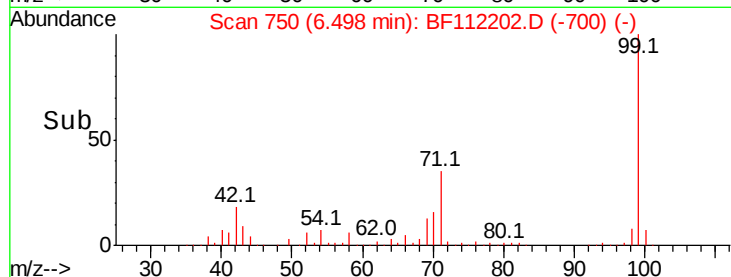
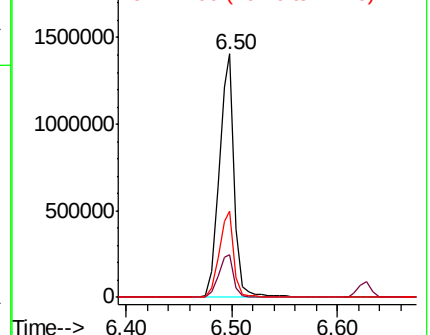
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.944 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF112202.D

Acq: 23 Jan 2019 15:24

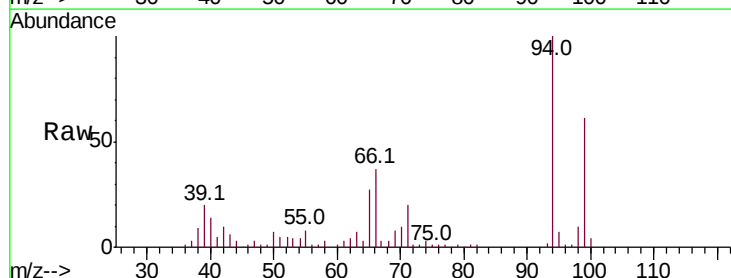
Tgt Ion: 94 Resp: 89197

Ion Ratio Lower Upper

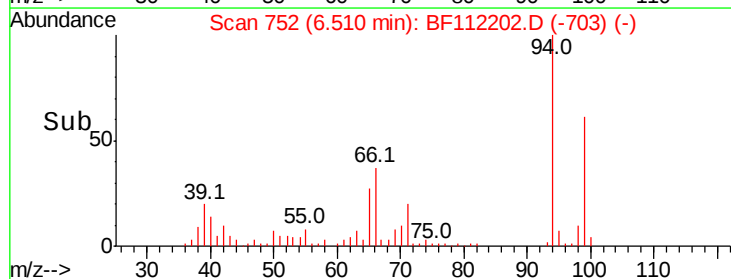
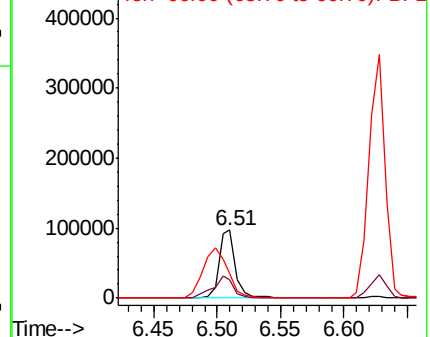
94 100

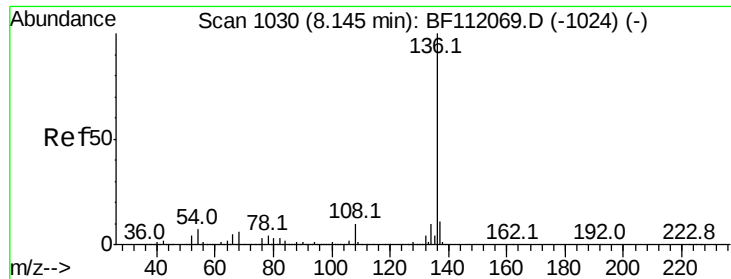
65 26.8 20.3 60.3

66 37.1 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: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF112202.D

Acq: 23 Jan 2019 15:24

Instrument :

BNA_F

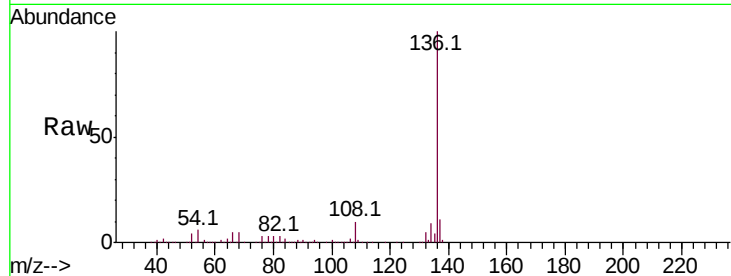
ClientSampleId :

MULCH-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100	792517		
137	11.4	9.1	13.7	
54	6.4	5.9	8.9	
68	5.2	5.1	7.7	

Manual Integrations
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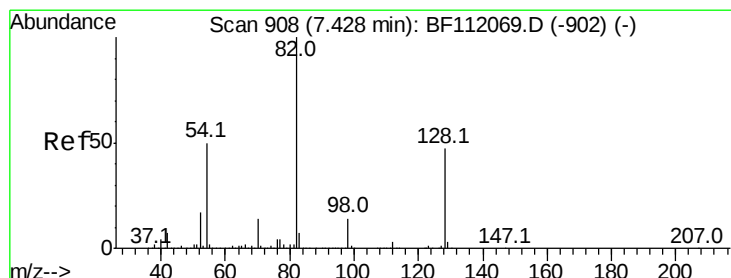
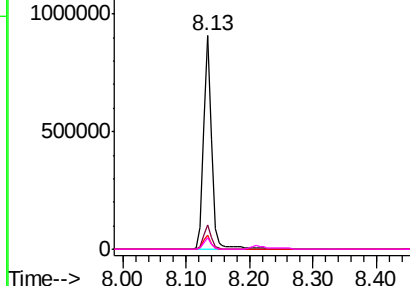
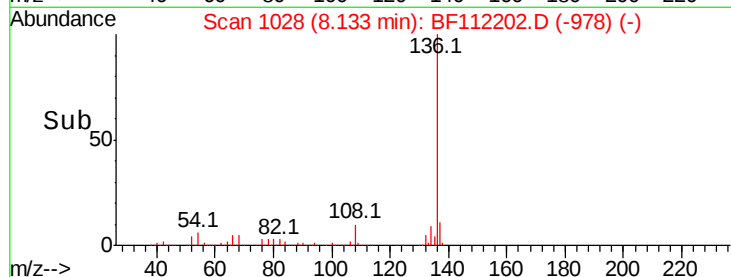


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.383 ng

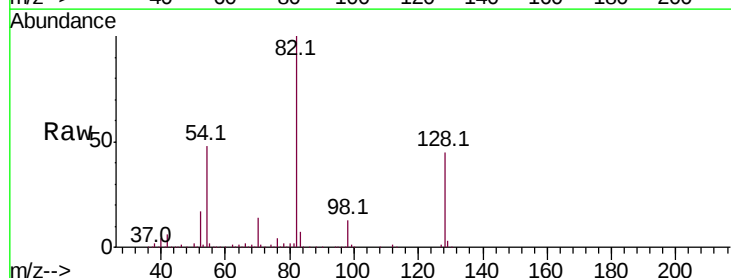
RT: 7.41 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF112202.D

Acq: 23 Jan 2019 15:24

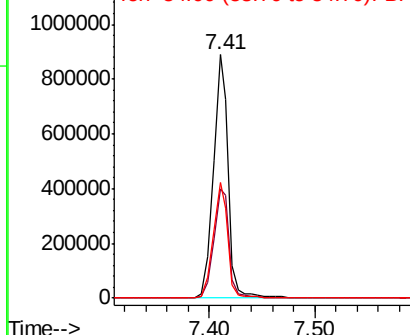
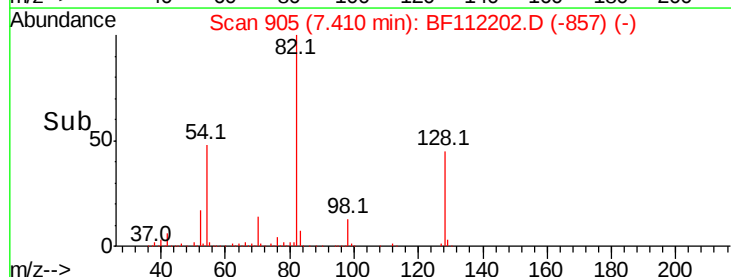
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	887653		
128	44.9	37.8	56.8	
54	47.5	39.7	59.5	

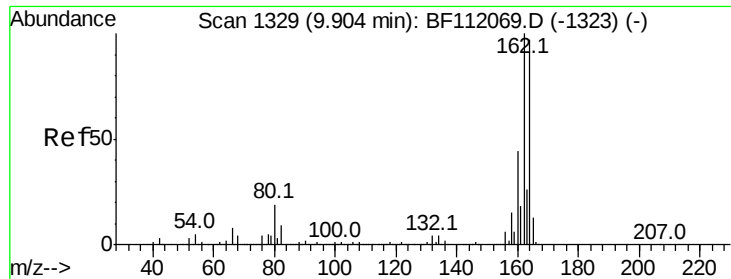


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





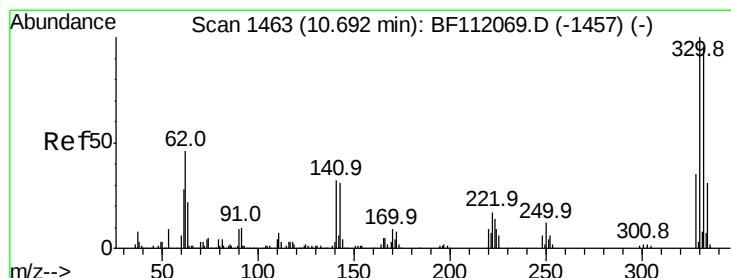
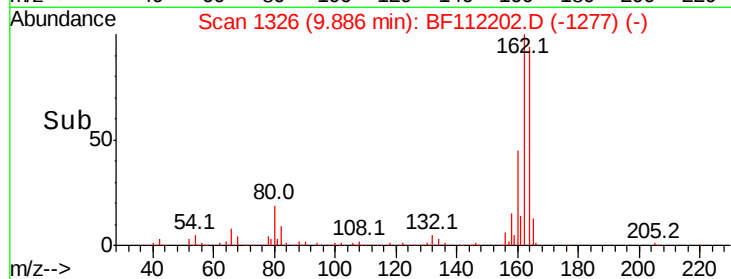
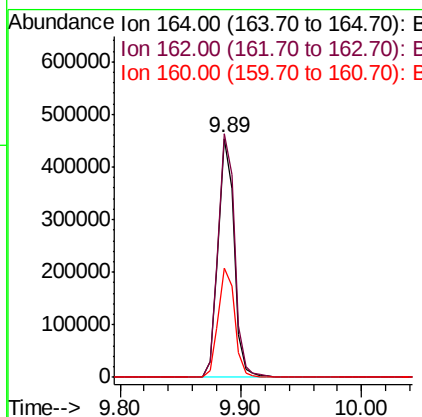
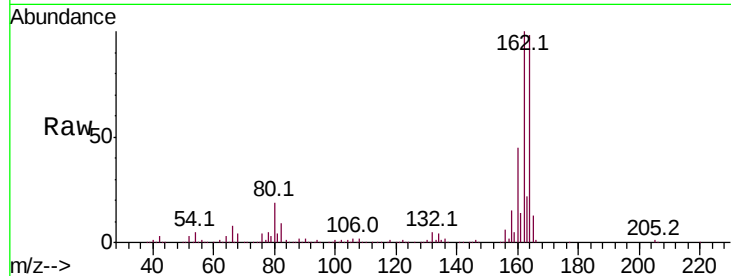
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF112202.D
 Acq: 23 Jan 2019 15:24

Instrument :
 BNA_F
 ClientSampleId :
 MULCH-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.2	123.4
160	45.8	36.2	54.4

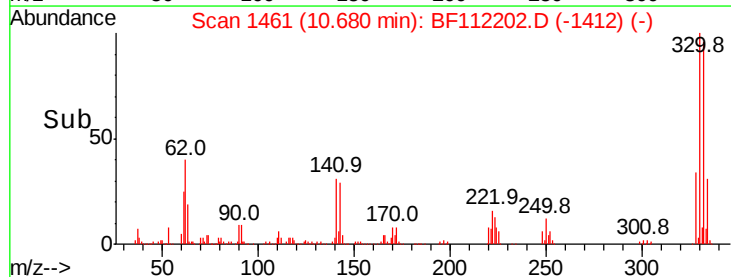
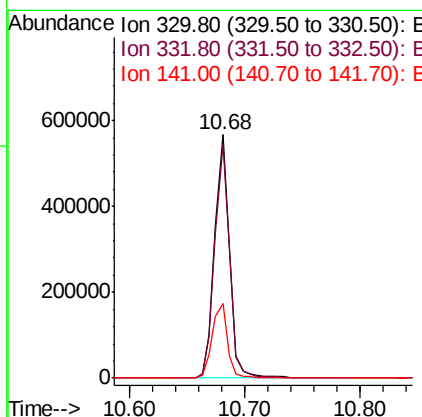
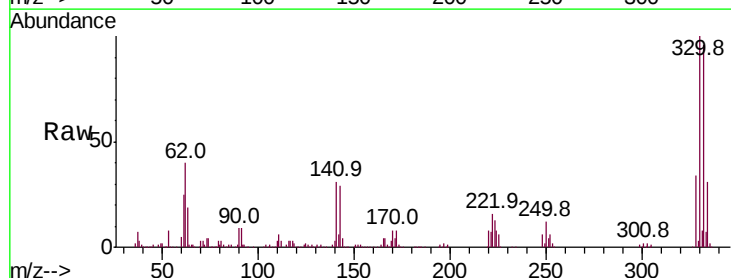
Manual Integrations
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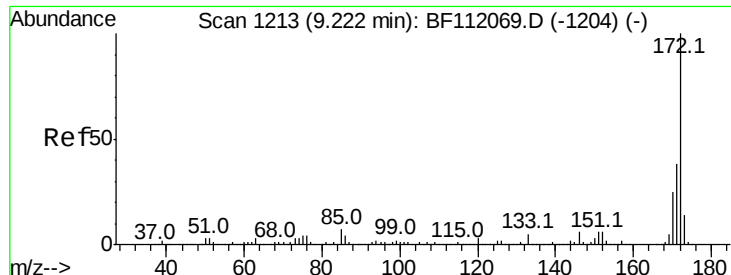
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#42
 2,4,6-Tribromophenol
 Concen: 114.634 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF112202.D
 Acq: 23 Jan 2019 15:24

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	114.8
141	31.8	24.3	36.5





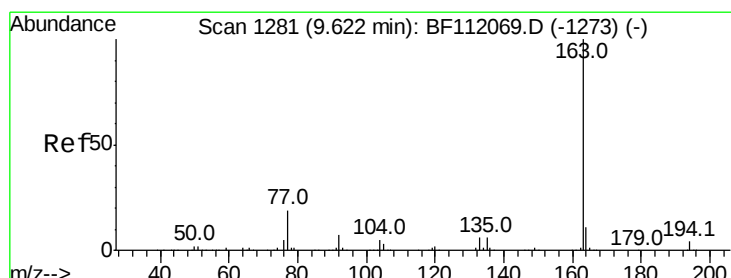
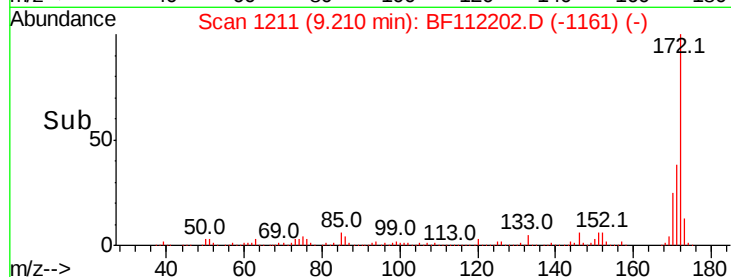
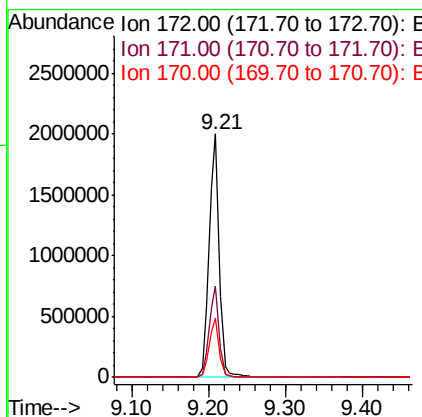
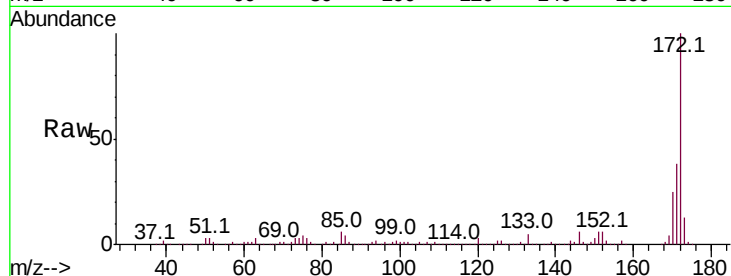
#45
2-Fluorobiphenyl
Concen: 64.210 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF112202.D
Acq: 23 Jan 2019 15:24

Instrument :
BNA_F
ClientSampled :
MULCH-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.5	45.7
170	24.5	20.2	30.4

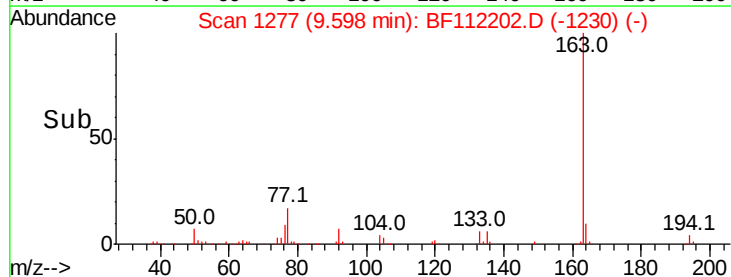
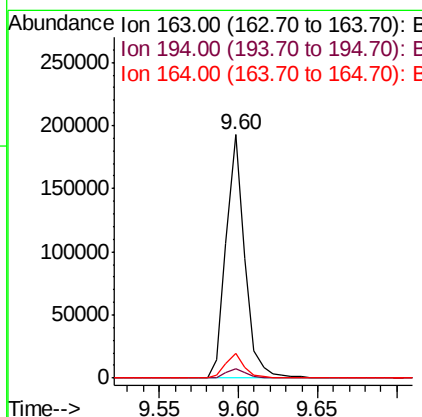
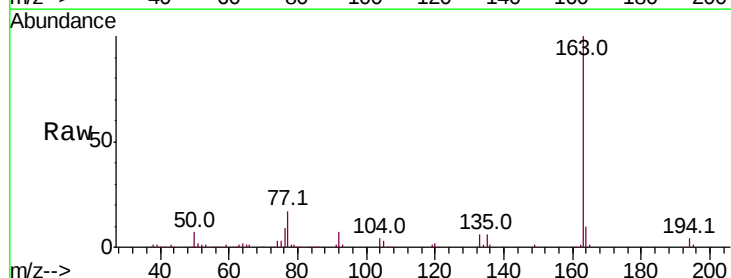
Manual Integrations
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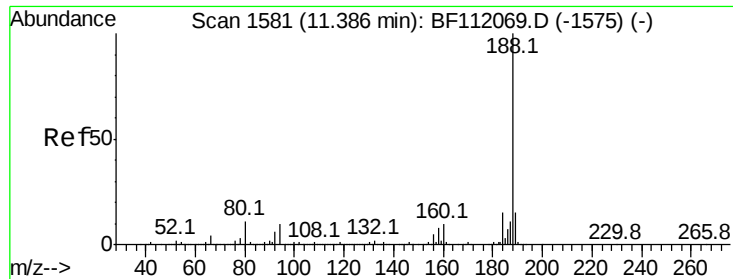
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#50
Dimethylphthalate
Concen: 5.300 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF112202.D
Acq: 23 Jan 2019 15:24

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.3	4.9
164	10.2	8.5	12.7





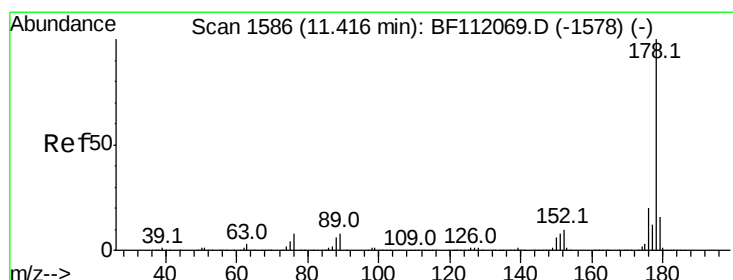
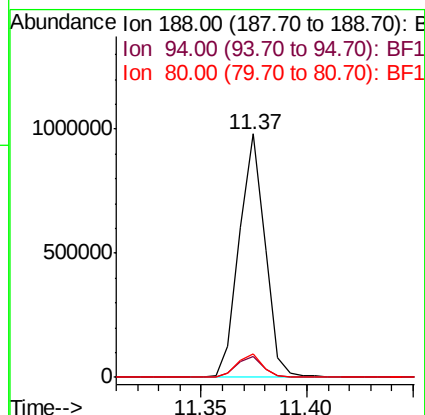
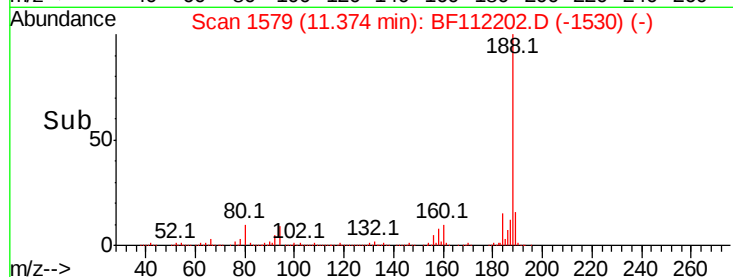
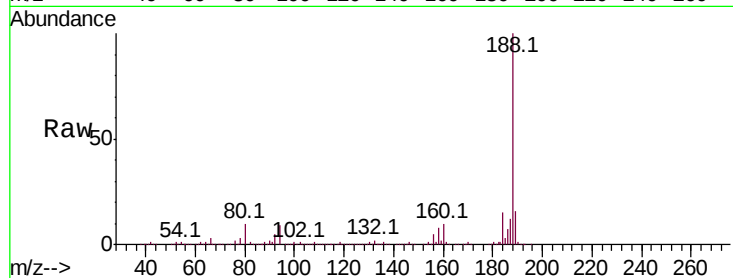
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF112202.D
Acq: 23 Jan 2019 15:24

Instrument :
BNA_F
ClientSampled :
MULCH-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	827256		
94	8.8		8.2	12.2
80	9.5		8.9	13.3

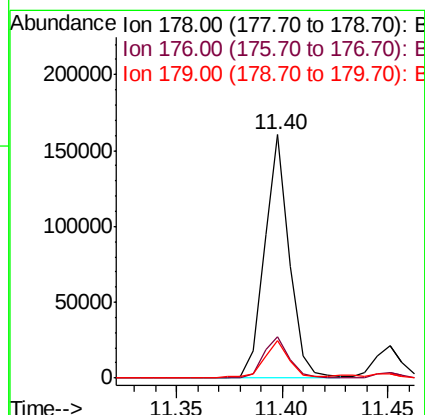
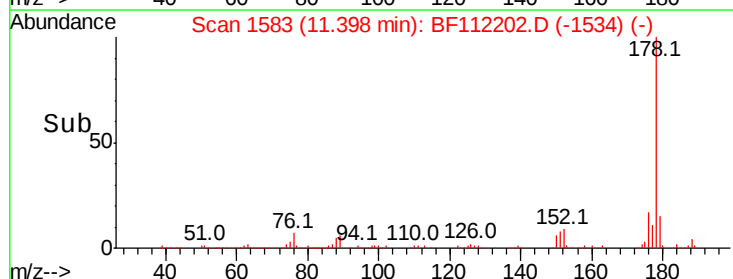
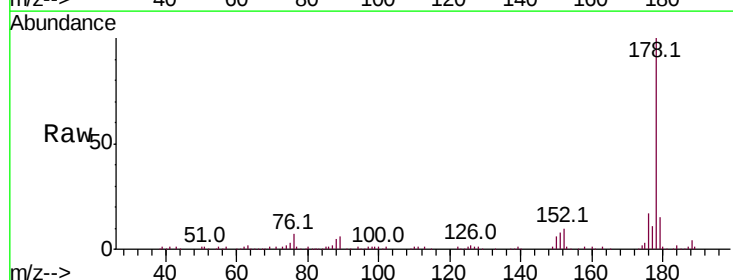
Manual Integrations
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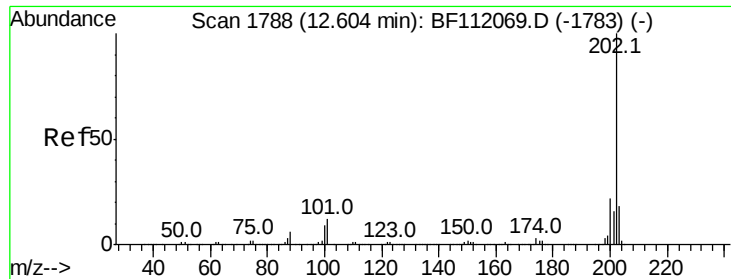
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#71
Phenanthrene
Concen: 3.143 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF112202.D
Acq: 23 Jan 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	130850		
176	17.2		16.3	24.5
179	15.3		13.0	19.4





#75

Fluoranthene

Concen: 4.116 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF112202.D

Acq: 23 Jan 2019 15:24

Instrument :

BNA_F

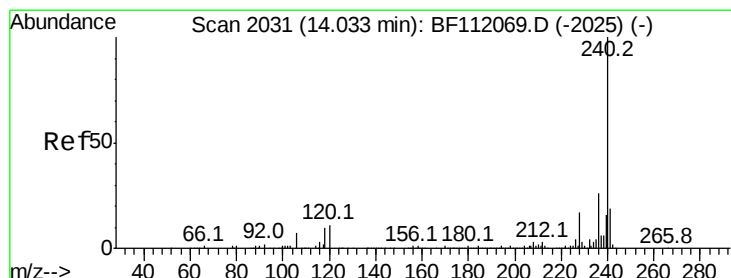
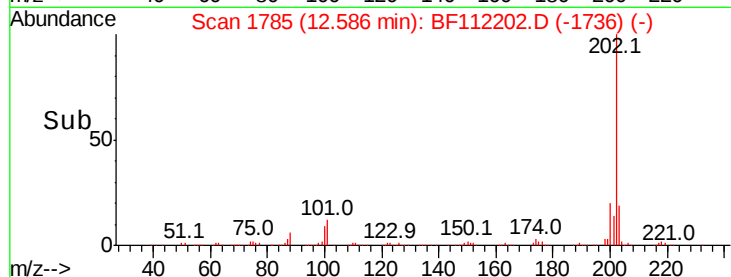
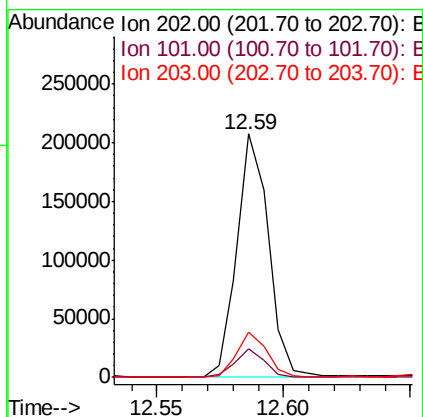
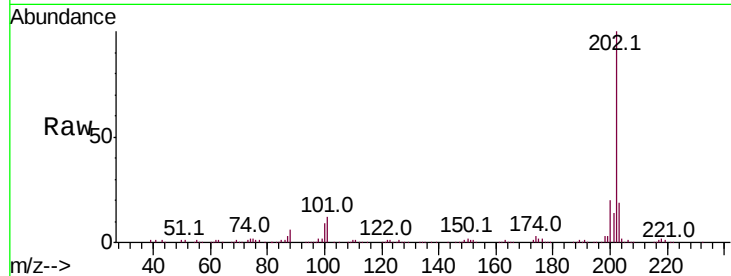
ClientSampled :

MULCH-1

Tot Ion	Ratio	Resp	Lower	Upper
202	100	180922		
101	11.6	0.0	31.8	
203	18.6	0.0	38.4	

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

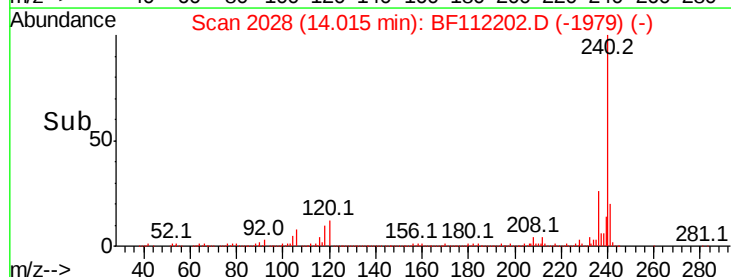
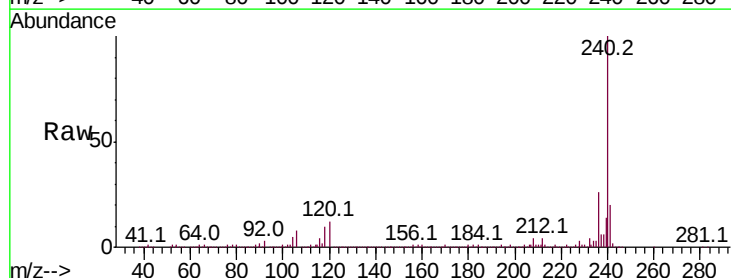
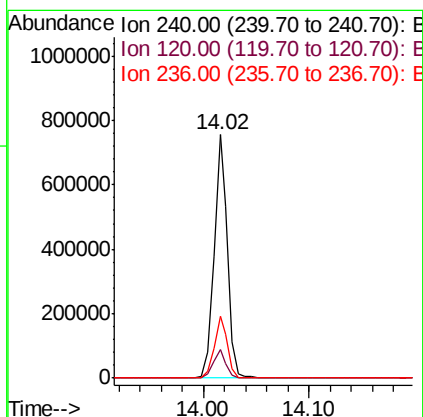
RT: 14.02 min Scan# 2028

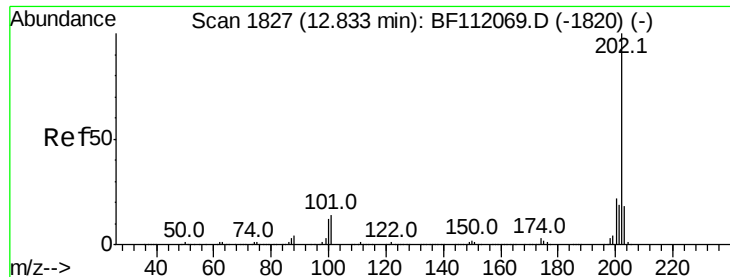
Delta R.T. -0.01 min

Lab File: BF112202.D

Acq: 23 Jan 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	671412		
120	11.8	9.0	13.6	
236	25.6	20.7	31.1	





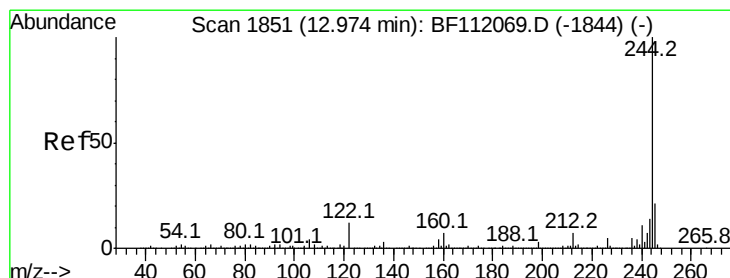
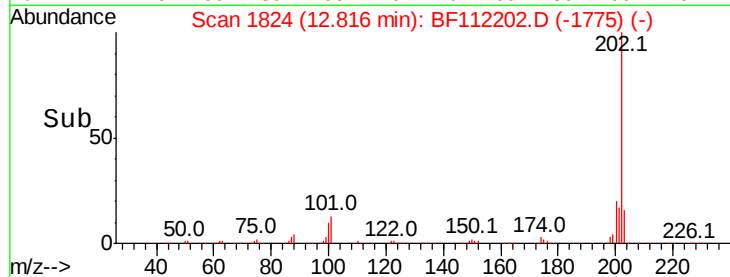
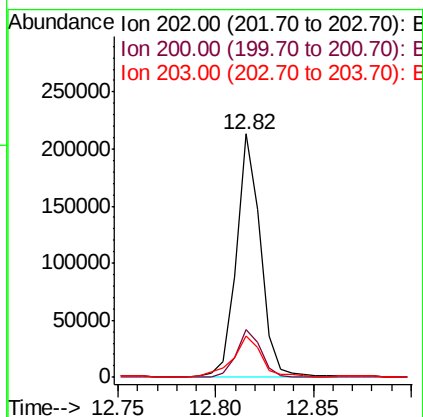
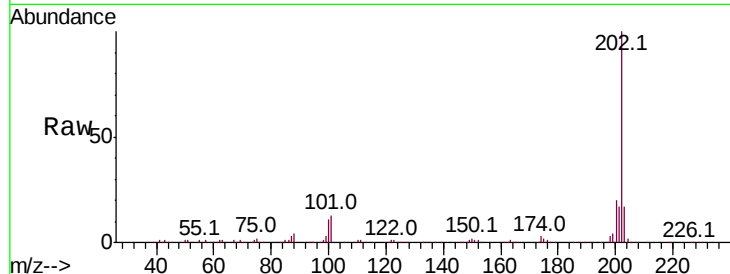
#78
Pvrene
Concen: 4.081 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF112202.D
Acq: 23 Jan 2019 15:24

Instrument :
BNA_F
ClientSampled :
MULCH-1

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.7	26.5
203	17.0	14.6	22.0

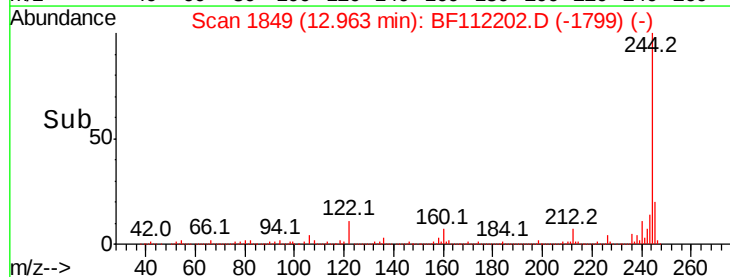
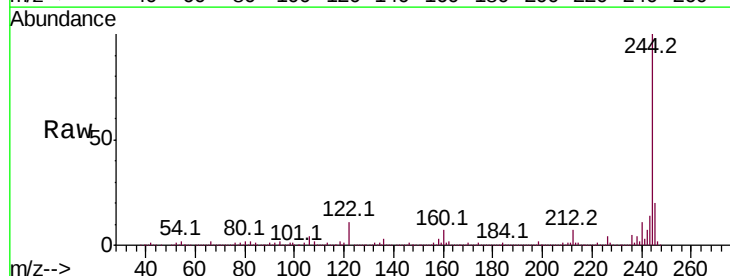
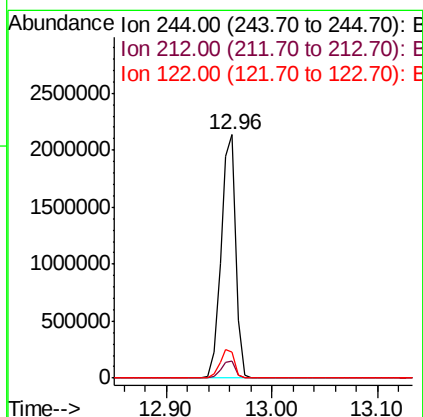
Manual Integrations
APPROVED

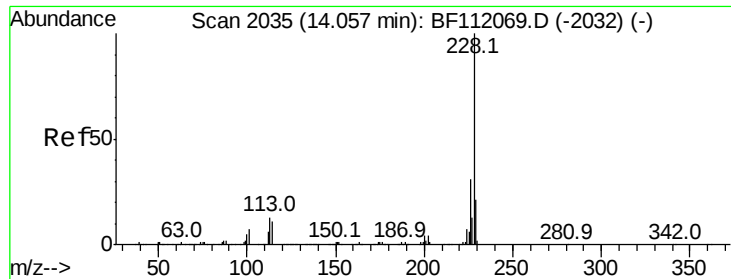
Sohil
1/24/2019 11:30:24 AM



#79
Terphenyl-d14
Concen: 66.220 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF112202.D
Acq: 23 Jan 2019 15:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	10.9	9.8	14.6





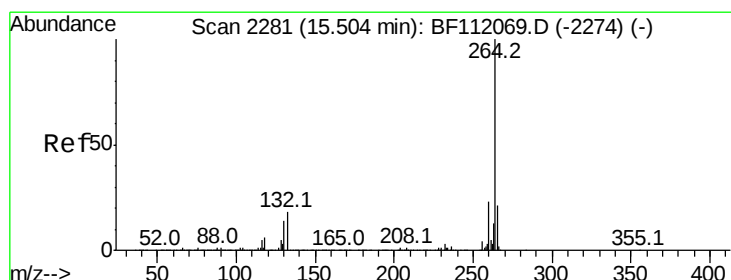
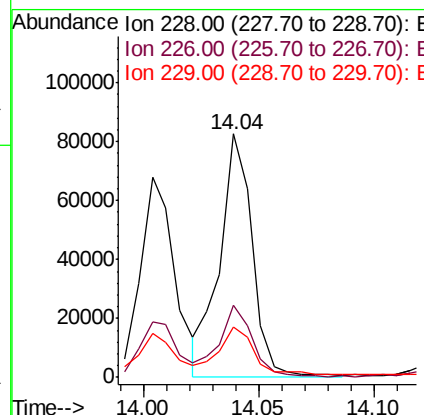
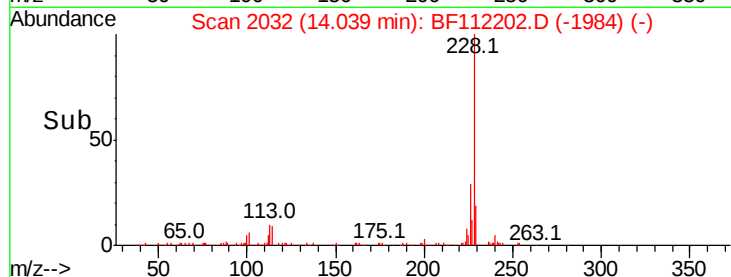
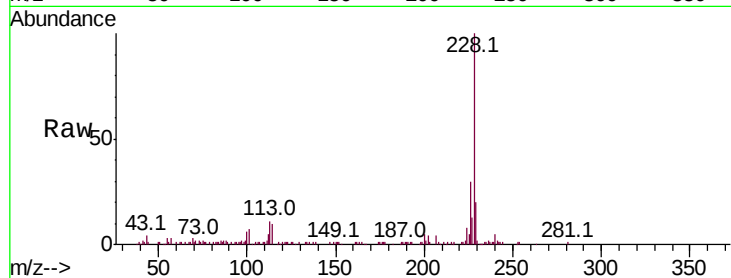
#83
Chrysene
Concen: 2.198 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.02 min
Lab File: BF112202.D
Acq: 23 Jan 2019 15:24

Instrument :
BNA_F
ClientSampled :
MULCH-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	20.5	16.6	24.8

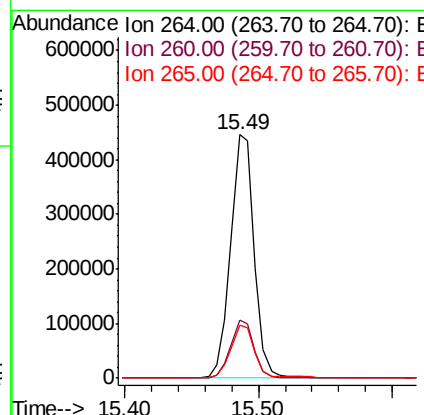
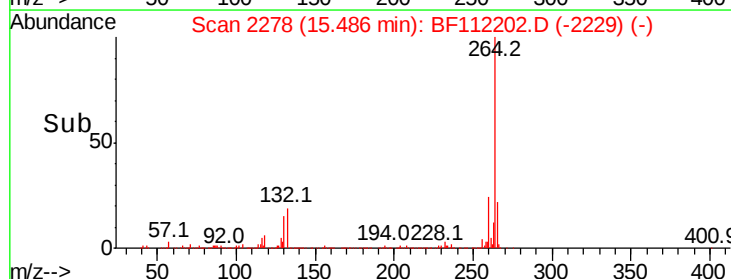
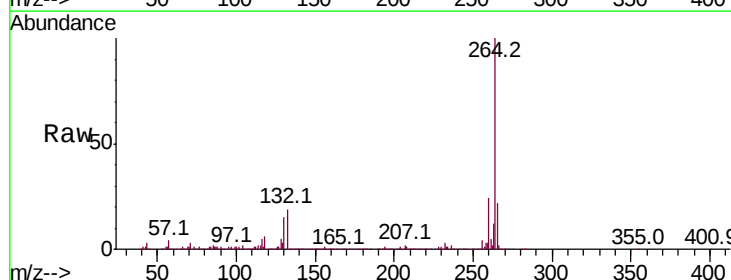
Manual Integrations
APPROVED

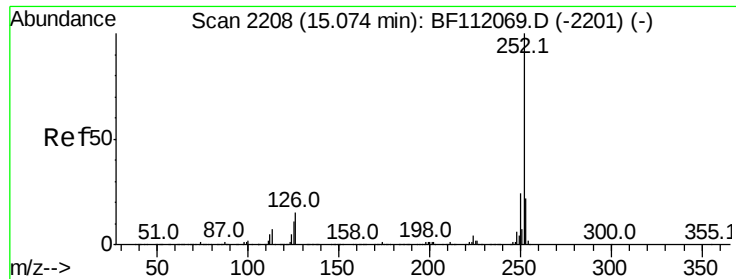
Sohil
1/24/2019 11:30:24 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF112202.D
Acq: 23 Jan 2019 15:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.2
265	22.0	17.0	25.4





#88
 Benzo(b)fluoranthene
 Concen: 2.366 ng/ml
 RT: 15.06 min Scan# 2205
 Delta R.T. -0.01 min
 Lab File: BF112202.D
 Acq: 23 Jan 2019 15:24

Instrument :
 BNA_F
 ClientSampleId :
 MULCH-1

Tot Ion:	252	Resp:	74920
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.0	27.0
125	14.2	8.7	13.1

Manual Integrations
 APPROVED

Sohil
 1/24/2019 11:30:24 AM

