

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103435.D
 Acq On : 6 Mar 2018 3:05
 Operator : SJ/JU
 Sample : J1786-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-1-24+31-WEST

Manual Integrations
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Sohil
 3/6/2018 4:24:06 PM

Quant Time: Mar 06 09:13:16 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	128499	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	512429	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	202588	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	301966	20.00	ng	0.00
75) Chrysene-d12	14.07	240	182747	20.00	ng	0.00
86) Perylene-d12	15.59	264	138881	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	944451	111.16	ng	0.01
7) Phenol-d6	6.52	99	1134282	109.10	ng	0.00
23) Nitrobenzene-d5	7.44	82	632704	70.51	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	141406	82.46	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	888383	73.03	ng	0.00
78) Terphenyl-d14	13.00	244	599526	78.86	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	11.43	178	38500	2.317	ng	98
73) Di-n-butylphthalate	11.96	149	516675	24.332	ng	99
74) Fluoranthene	12.63	202	103003	6.168	ng	99
77) Pyrene	12.86	202	120629	8.466	ng	98
80) Benzo(a)anthracene	14.06	228	71767m	6.053	ng	
82) Chrysene	14.09	228	79225m	6.881	ng	
83) Bis(2-ethylhexyl)phthalate	14.02	149	21639	2.130	ng	97
85) Indeno(1,2,3-cd)pyrene	17.13	276	38548	4.229	ng	99
87) Benzo(b)fluoranthene	15.14	252	64964m	7.114	ng	
88) Benzo(k)fluoranthene	15.16	252	19643m	2.284	ng	
89) Benzo(a)pyrene	15.52	252	65590	8.044	ng	# 88
90) Dibenzo(a,h)anthracene	17.13	278	13290	2.109	ng	# 38
91) Benzo(a,h,i)perylene	17.60	276	51577	8.375	ng	95

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

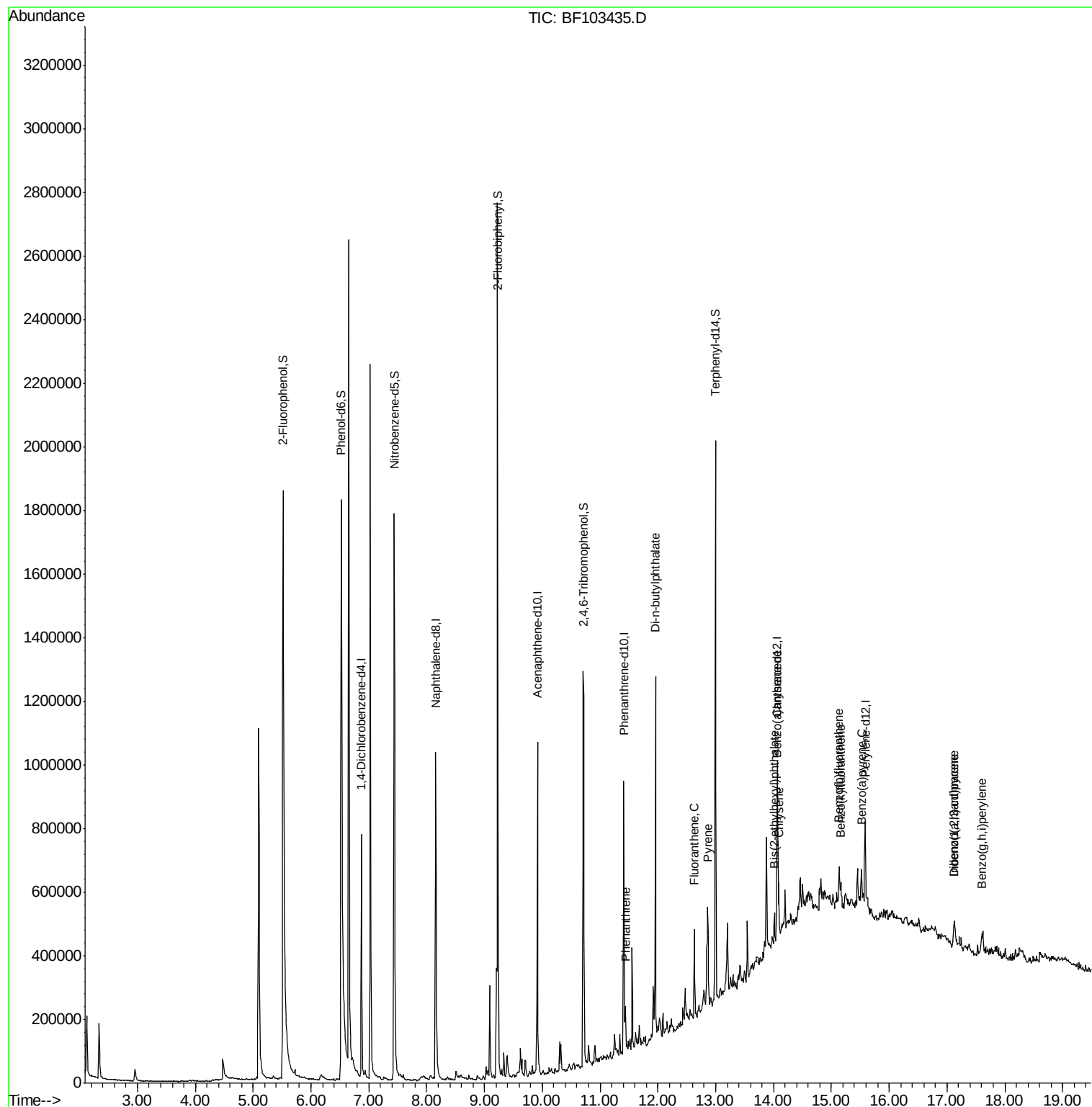
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103435.D
Acq On : 6 Mar 2018 3:05
Operator : SJ/JU
Sample : J1786-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

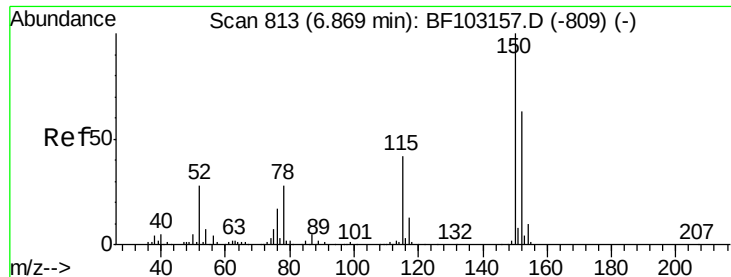
Instrument :
BNA_F
ClientSampleId :
SAMPLE-1-24+31-WEST

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
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#1

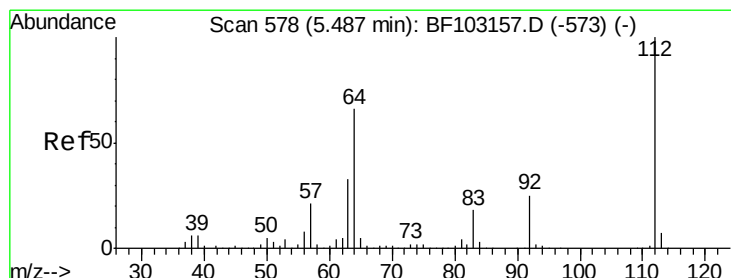
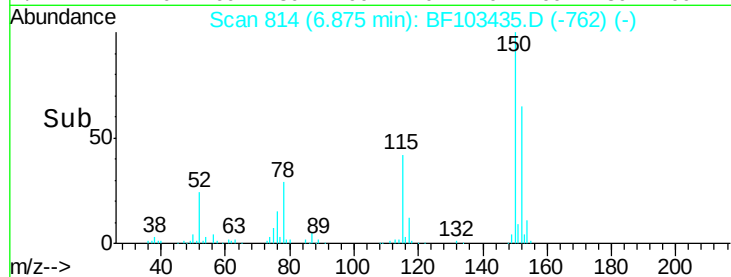
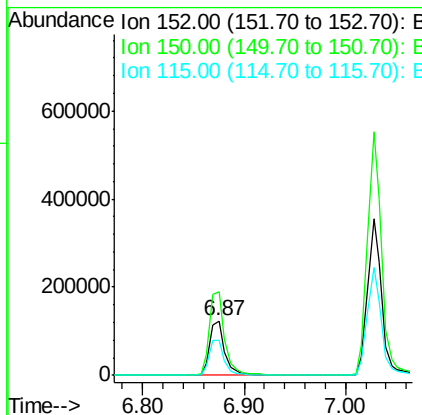
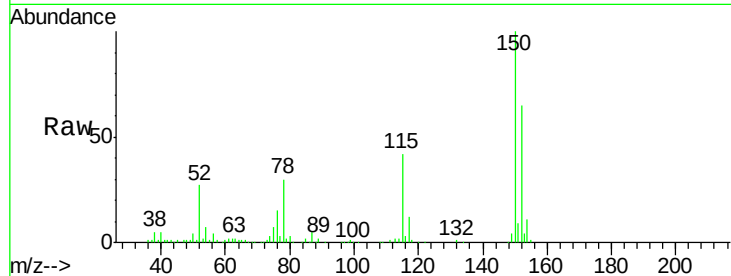
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103435.D
Acq: 6 Mar 2018 3:05

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1-24+31-WEST

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	64.3	50.1	75.1

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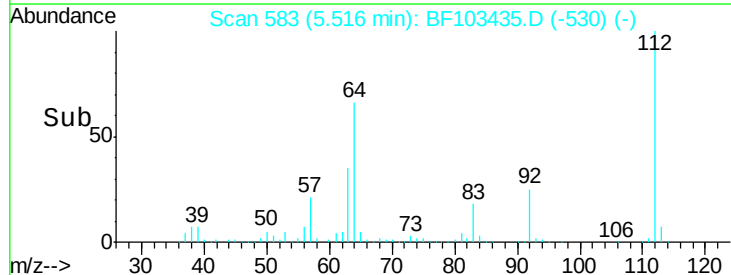
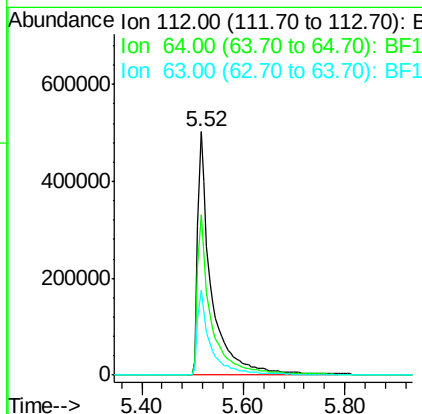
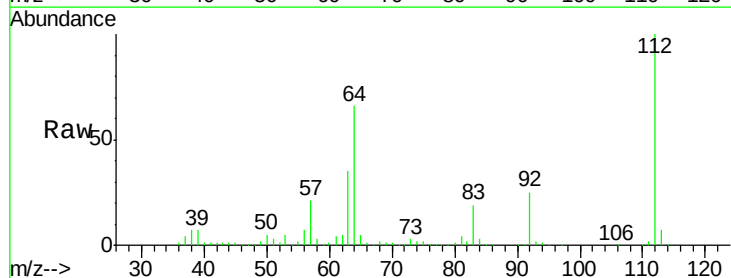
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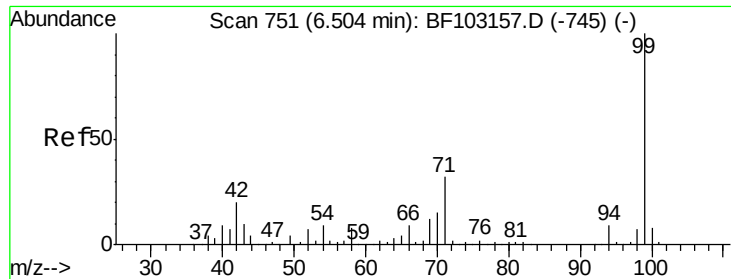


#5

2-Fluorophenol
Concen: 111.162 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BF103435.D
Acq: 6 Mar 2018 3:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	47.9	71.9
63	34.9	23.7	35.5





#7

Phenol-d6

Concen: 109.104 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF103435.D

Acq: 6 Mar 2018 3:05

Instrument :

BNA_F

ClientSampleId :

SAMPLE-1-24+31-WEST

Tot Ion: 99 Resp: 1134282

Ion Ratio Lower Upper

99 100

42 22.4 14.5 21.7#

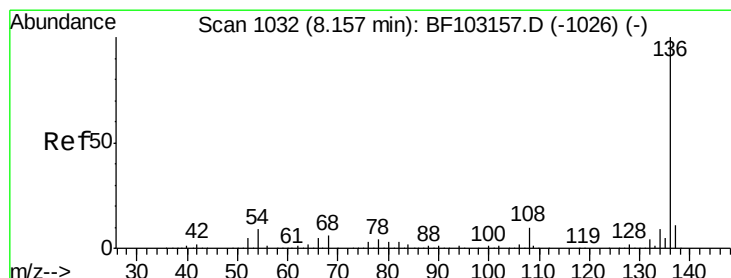
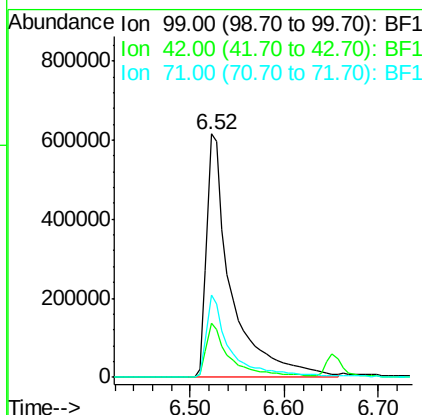
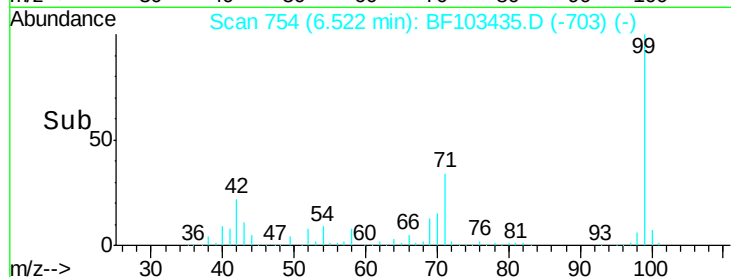
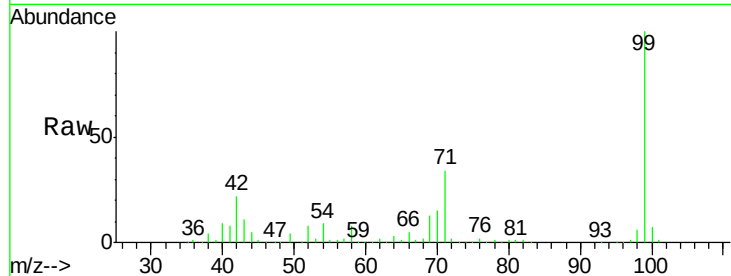
71 33.6 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103435.D

Acq: 6 Mar 2018 3:05

Tgt Ion: 136 Resp: 512429

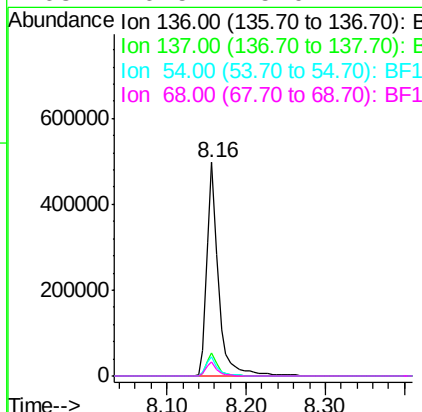
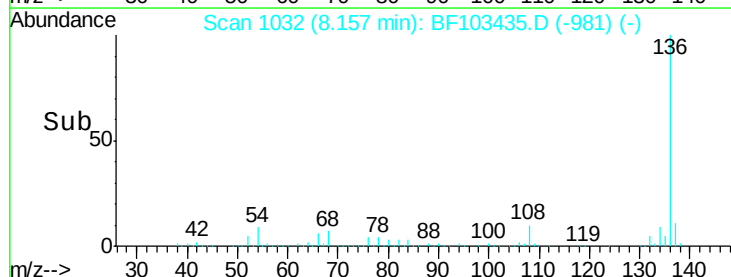
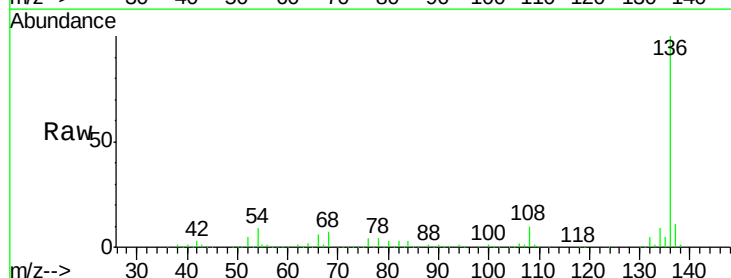
Ion Ratio Lower Upper

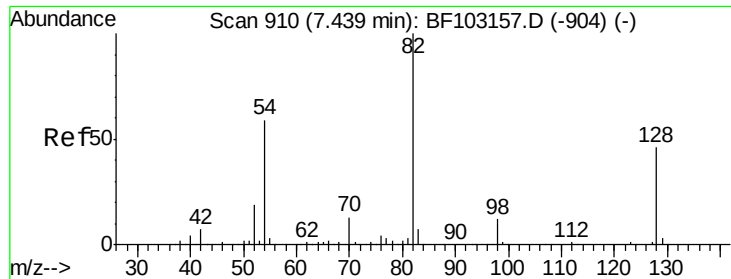
136 100

137 10.7 8.9 13.3

54 9.0 6.6 9.8

68 6.5 5.0 7.4





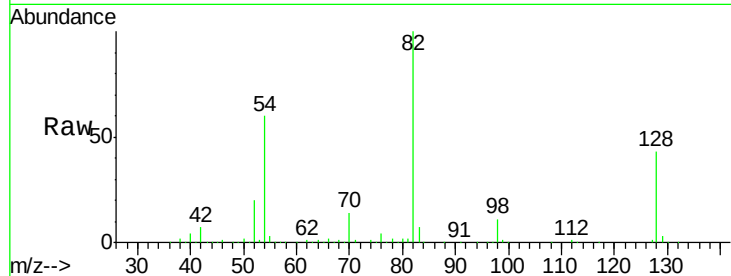
#23
 Nitrobenzene-d5
 Concen: 70.513 ng
 RT: 7.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: BF103435.D
 Acq: 6 Mar 2018 3:05

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-1-24+31-WEST

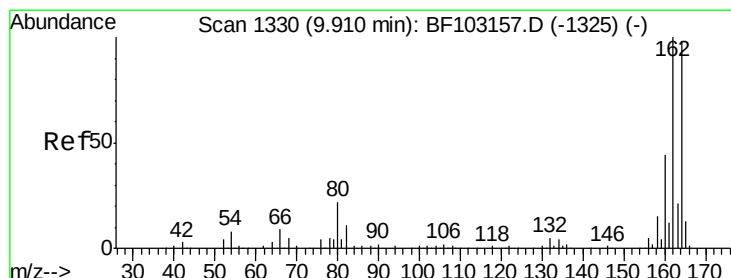
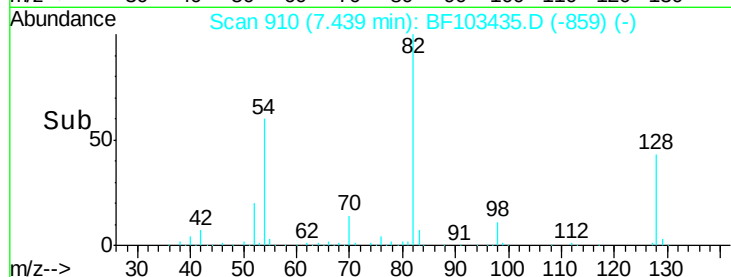
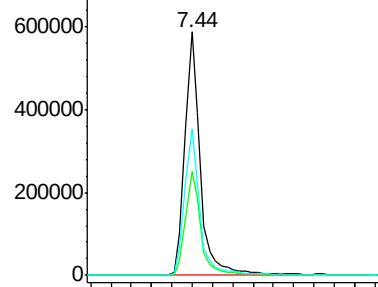
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.0	36.1	54.1
54	60.4	41.4	62.2

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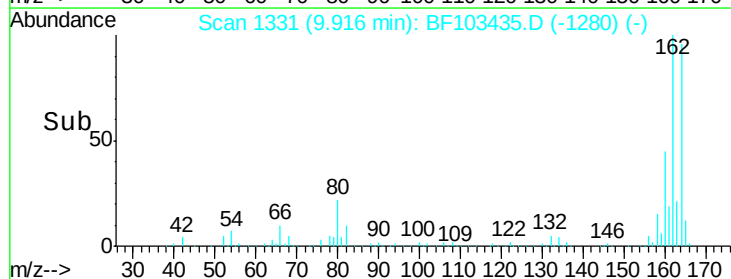
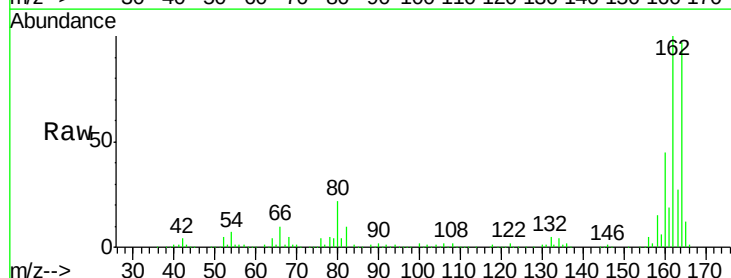
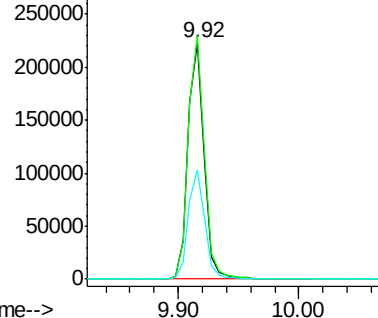
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

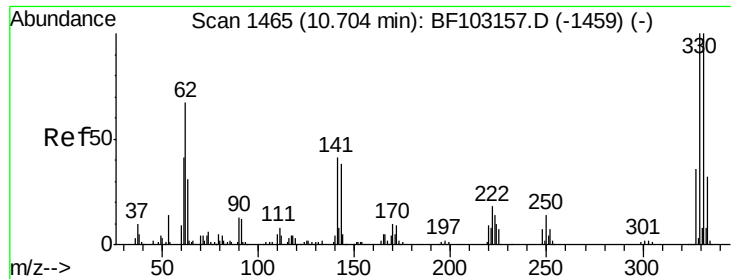


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: BF103435.D
 Acq: 6 Mar 2018 3:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	86.1	129.1
160	46.3	38.3	57.5

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





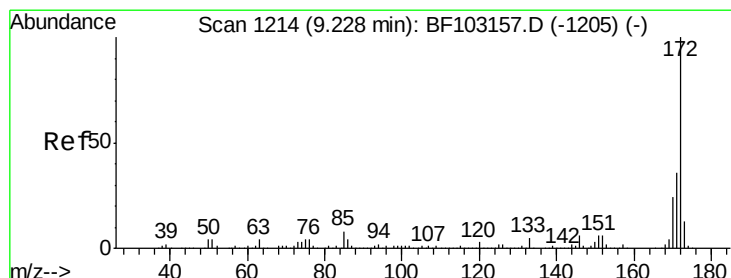
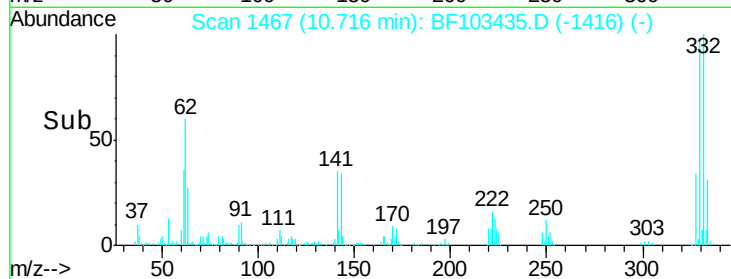
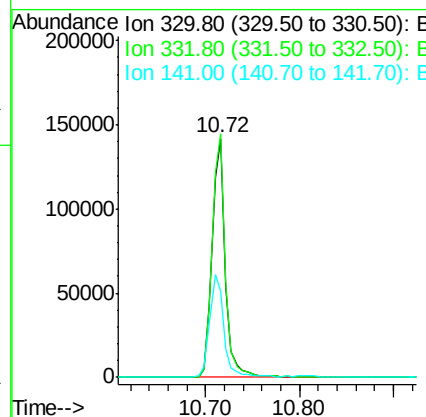
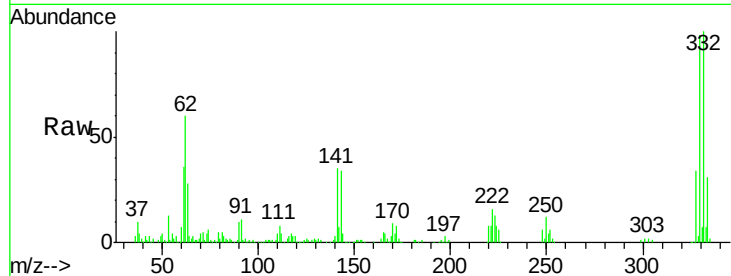
#41
 2,4,6-Tribromophenol
 Concen: 82.462 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF103435.D
 Acq: 6 Mar 2018 3:05

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-1-24+31-WEST

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	101.4	77.0	115.6	
141	46.6	29.9	44.9	

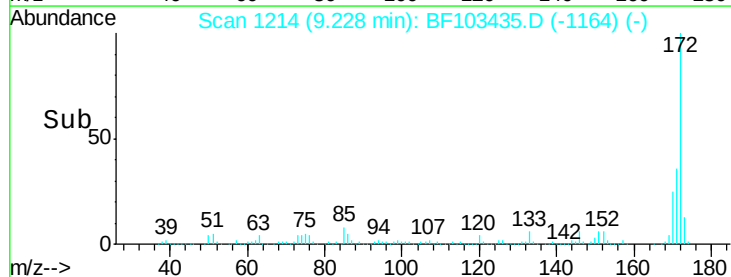
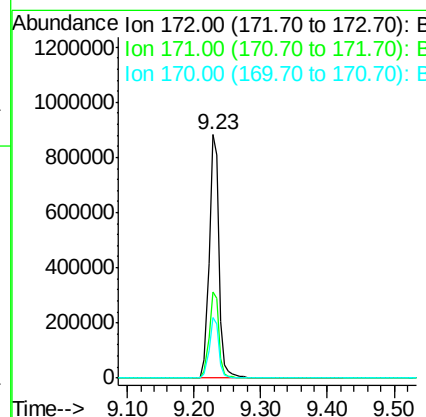
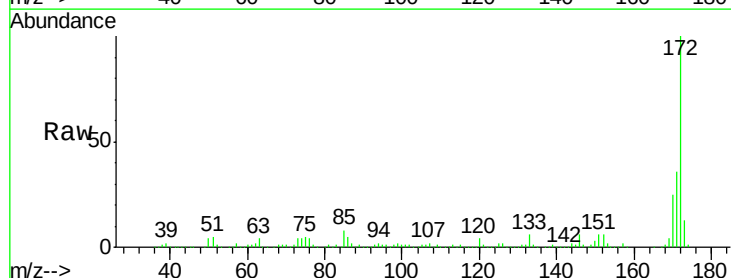
Manual Integrations
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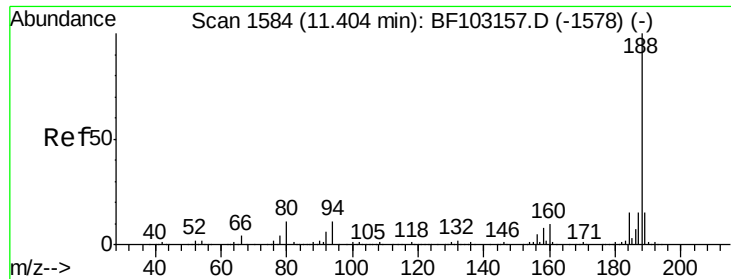
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#44
 2-Fluorobiphenyl
 Concen: 73.028 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103435.D
 Acq: 6 Mar 2018 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.5	29.7	44.5	
170	24.8	19.6	29.4	





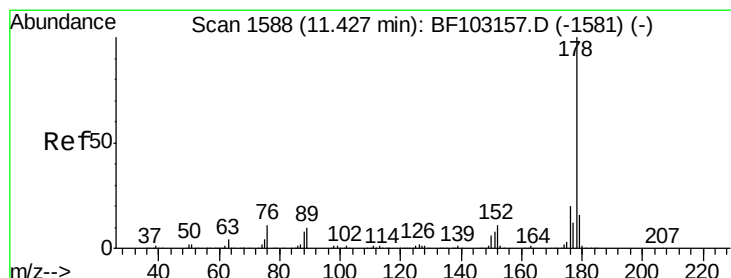
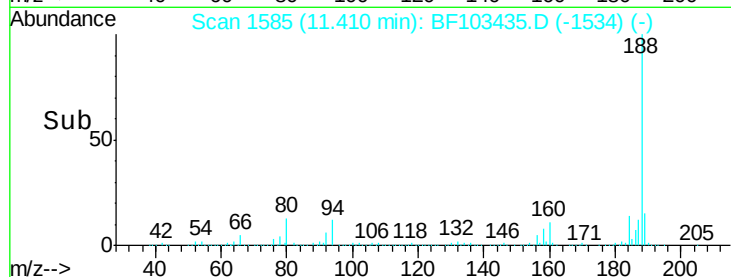
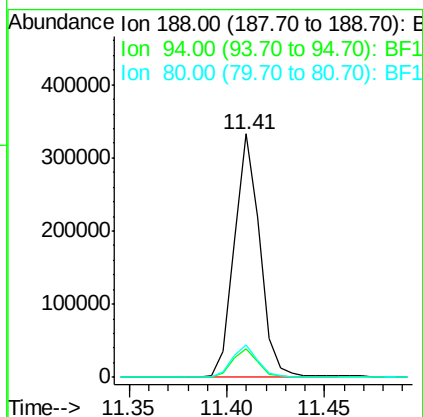
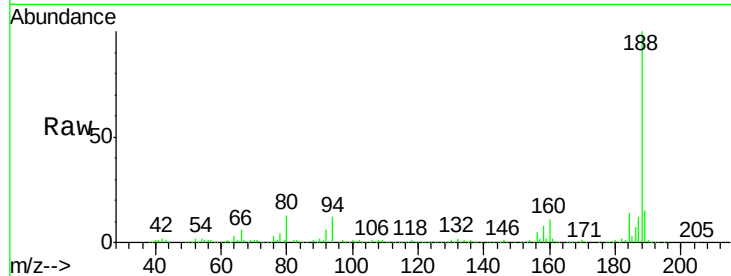
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF103435.D
Acq: 6 Mar 2018 3:05

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1-24+31-WEST

Tot Ion	Ratio	Resp	Lower	Upper
188	100	301966		
94	11.7		8.5	12.7
80	13.2		9.2	13.8

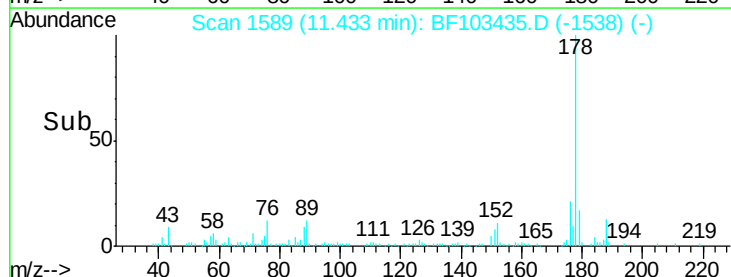
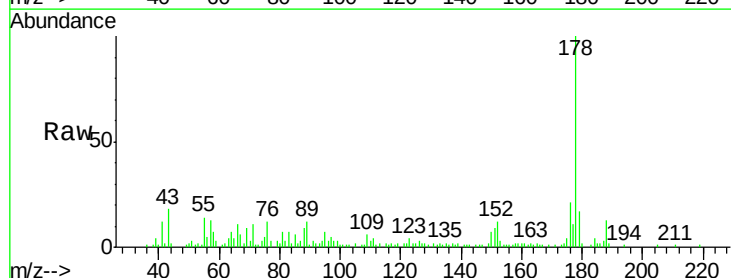
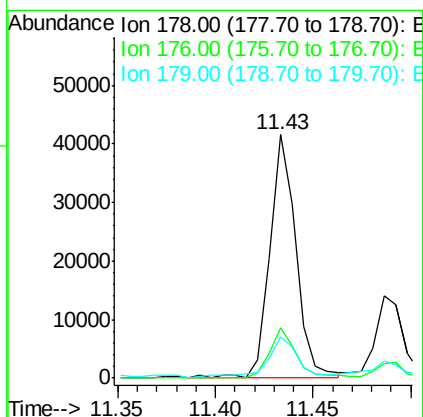
Manual Integrations
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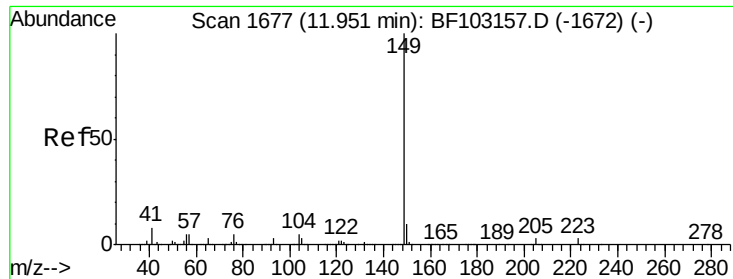
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#70
Phenanthrene
Concen: 2.317 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF103435.D
Acq: 6 Mar 2018 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	38500		
176	20.7		15.8	23.8
179	17.0		13.0	19.6





#73

Di-n-butylphthalate

Concen: 24.332 ng

RT: 11.96 min Scan# 1678

Delta R.T. 0.00 min

Lab File: BF103435.D

Acq: 6 Mar 2018 3:05

Instrument :

BNA_F

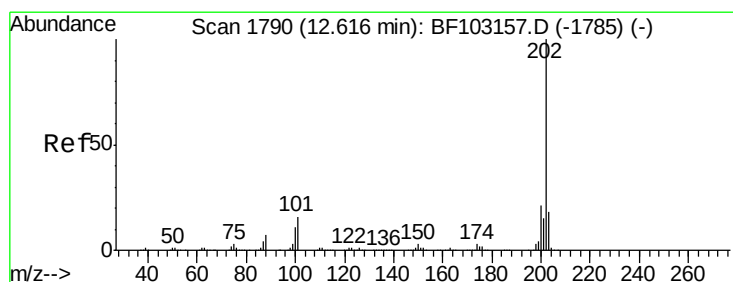
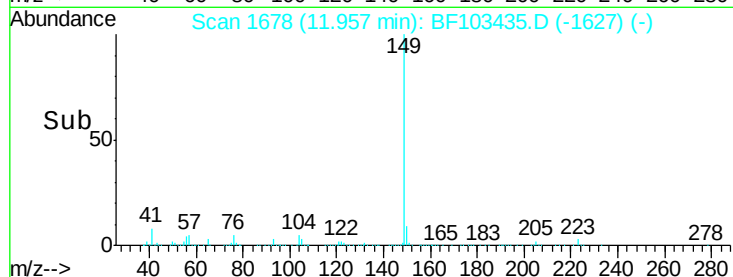
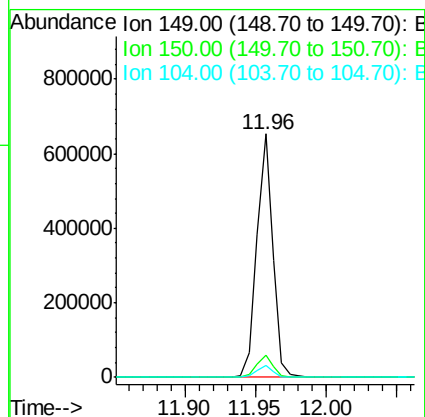
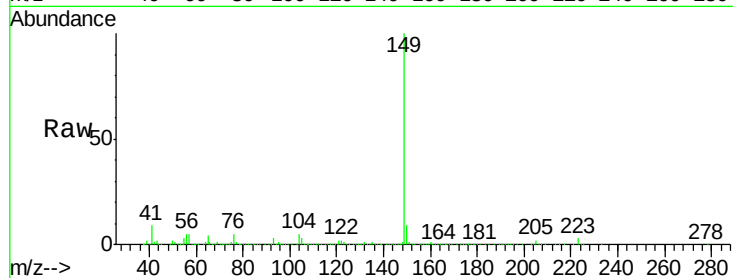
ClientSampleId :

SAMPLE-1-24+31-WEST

Tot Ion:	149	Resp:	516675
Ion Ratio	Lower	Upper	
149	100		
150	9.0	7.8	11.6
104	4.7	3.8	5.8

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#74

Fluoranthene

Concen: 6.168 ng

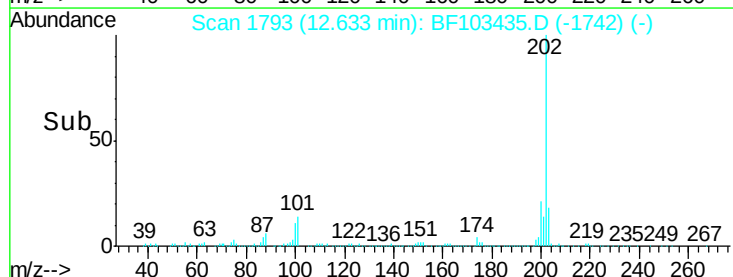
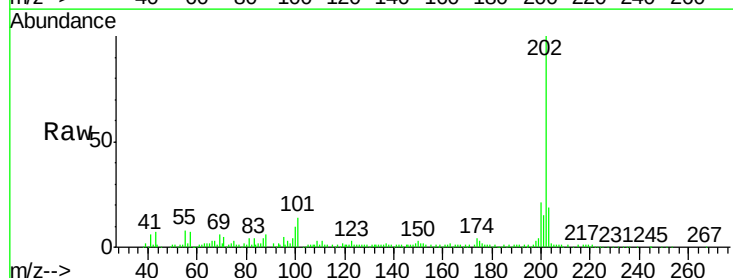
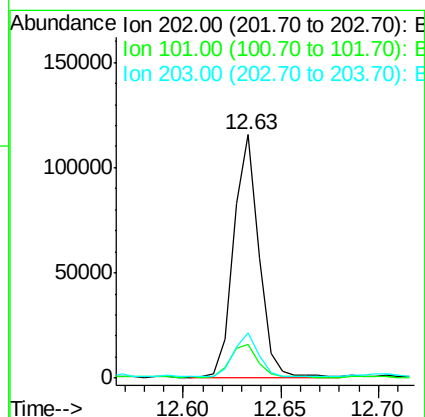
RT: 12.63 min Scan# 1793

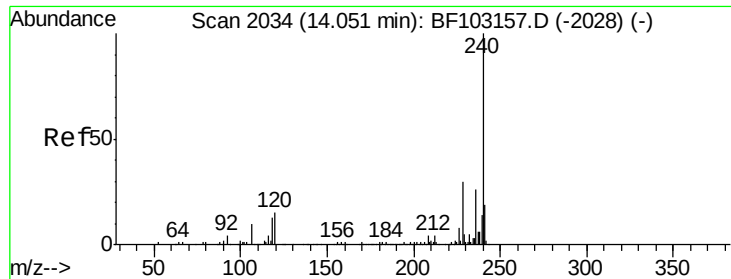
Delta R.T. 0.00 min

Lab File: BF103435.D

Acq: 6 Mar 2018 3:05

Tgt Ion:	202	Resp:	103003
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	34.1
203	18.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BF103435.D

Acq: 6 Mar 2018 3:05

Instrument :

BNA_F

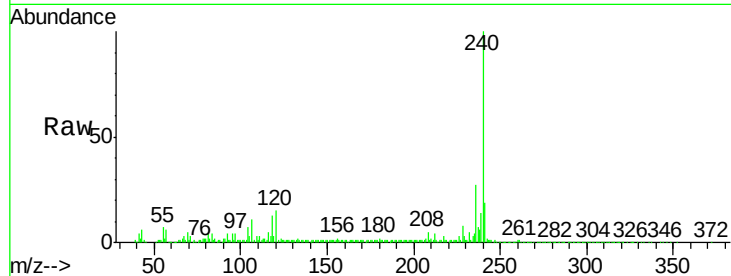
ClientSampleId :

SAMPLE-1-24+31-WEST

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.4	9.5	14.3
236	26.6	20.7	31.1

Manual Integrations
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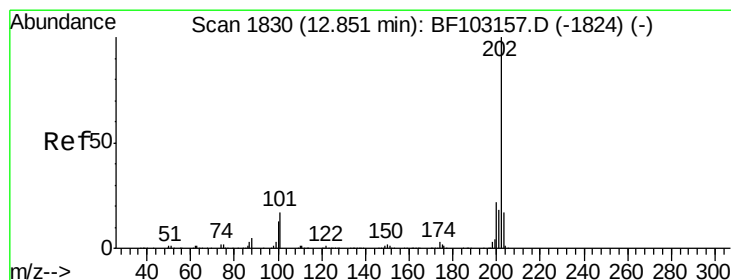
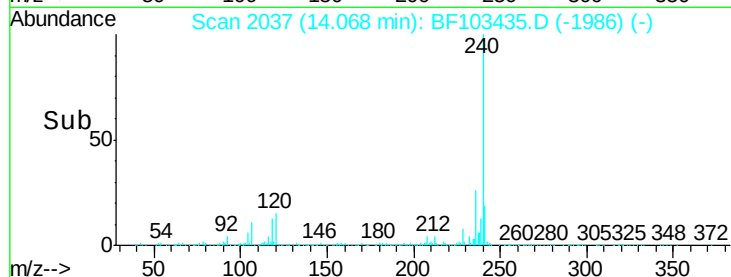
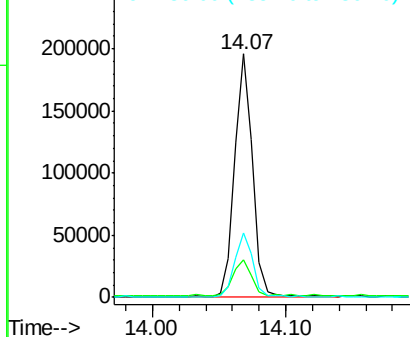


Abundance

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



#77

Pyrene

Concen: 8.466 ng

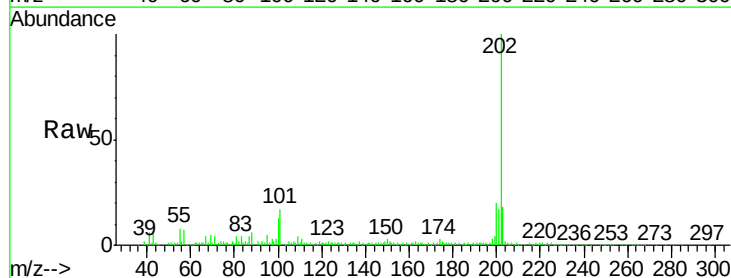
RT: 12.86 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF103435.D

Acq: 6 Mar 2018 3:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.4	26.2
203	17.8	14.3	21.5

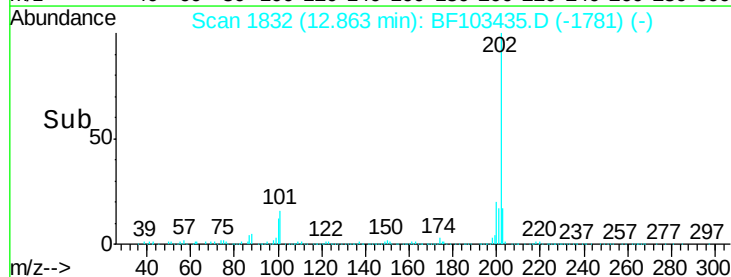
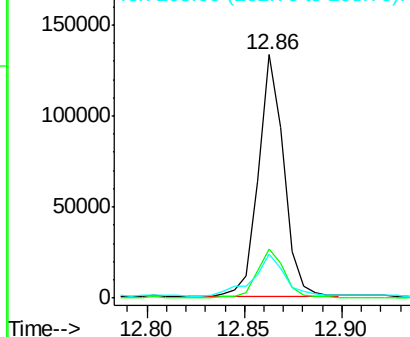


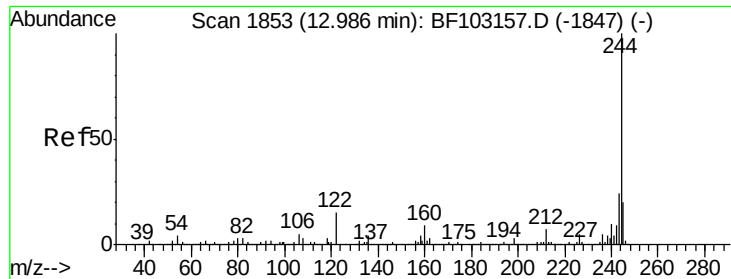
Abundance

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





#78

Terphenyl-d14

Concen: 78.862 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BF103435.D

Acq: 6 Mar 2018 3:05

Instrument :

BNA_F

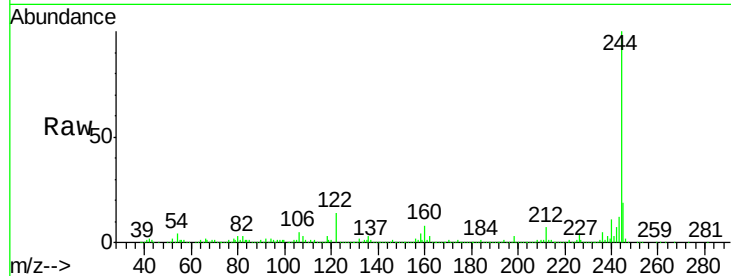
ClientSampleId :

SAMPLE-1-24+31-WEST

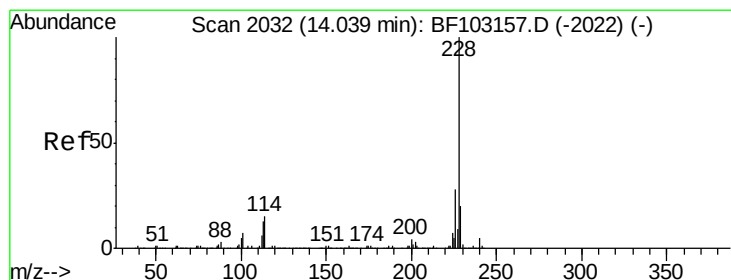
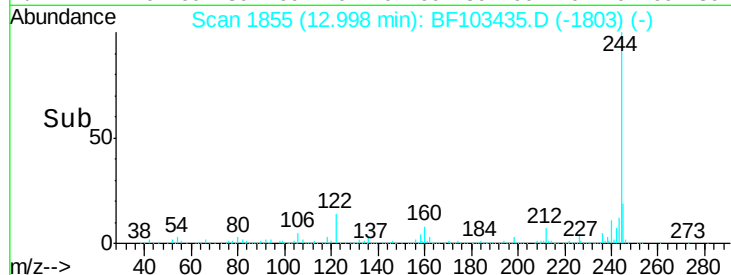
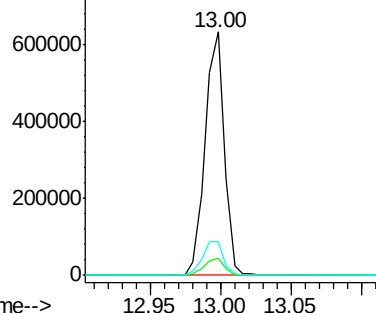
Tot Ion:	244	Resp:	599526
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.8	11.0	16.4

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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



#80

Benzo(a)anthracene

Concen: 6.053 ng m

RT: 14.06 min Scan# 2035

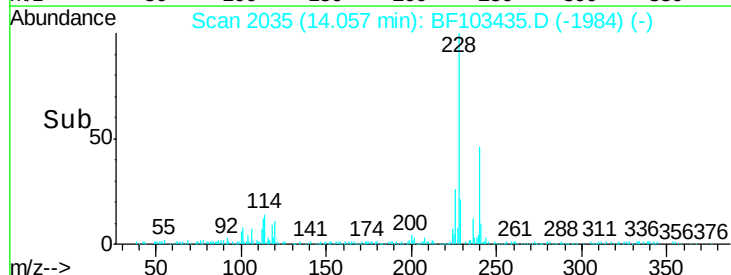
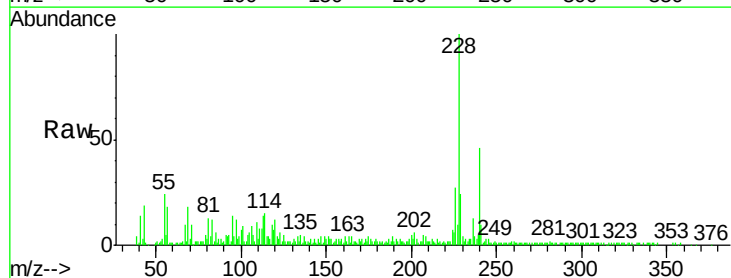
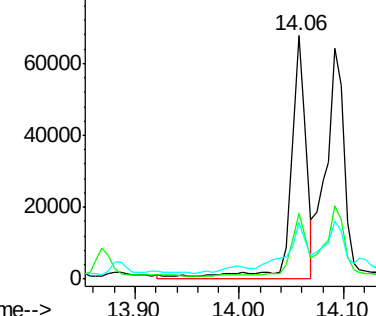
Delta R.T. 0.00 min

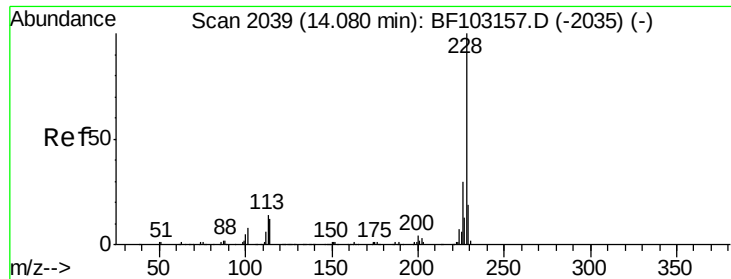
Lab File: BF103435.D

Acq: 6 Mar 2018 3:05

Tgt Ion:	228	Resp:	71767
Ion Ratio		Lower	Upper
228	100		
226	27.2	22.6	33.8
229	23.5	15.8	23.6

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





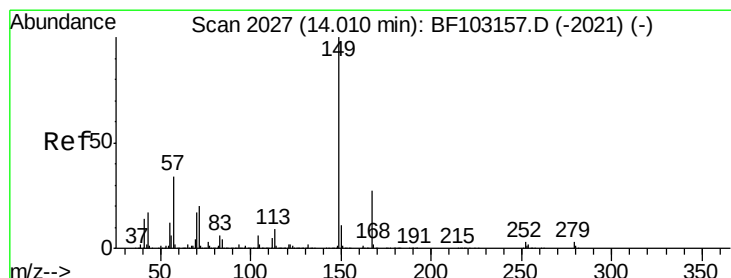
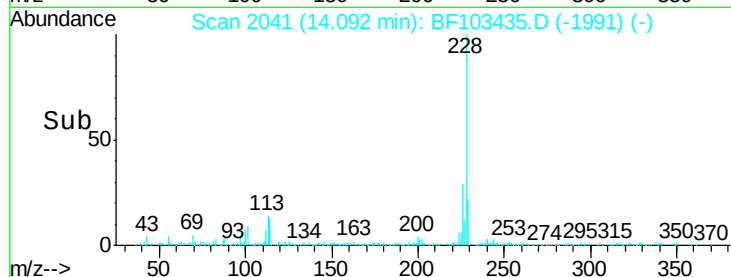
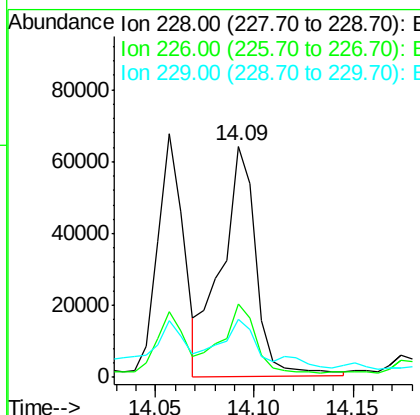
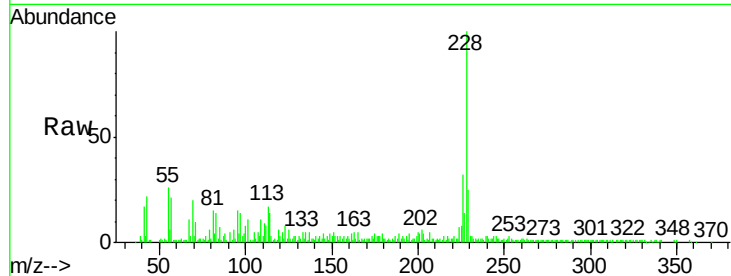
#82
Chrysene
Concen: 6.881 ng/ml
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103435.D
Acq: 6 Mar 2018 3:05

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1-24+31-WEST

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	25.2	16.2	24.4

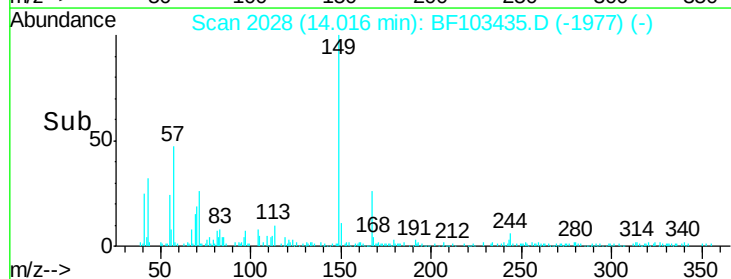
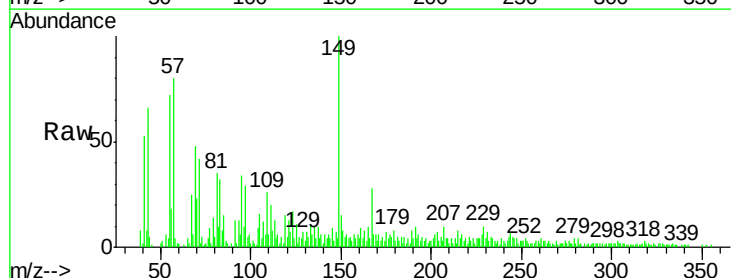
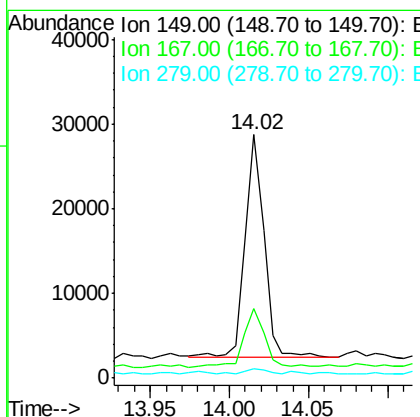
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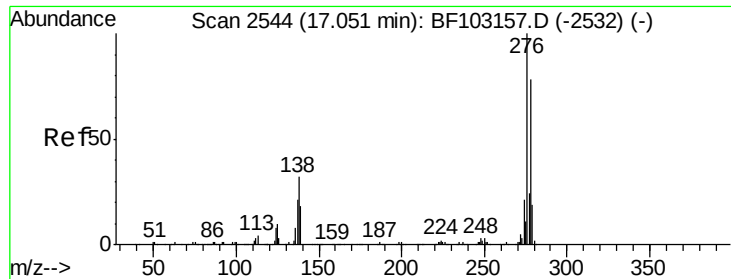
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.130 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF103435.D
Acq: 6 Mar 2018 3:05

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.4	21.3	31.9
279	3.6	3.0	4.4





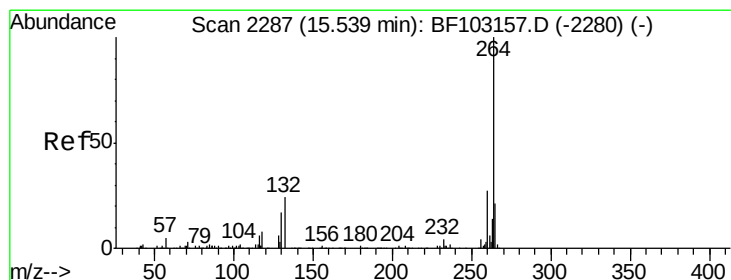
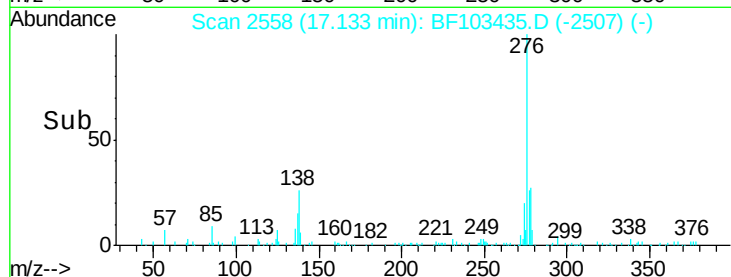
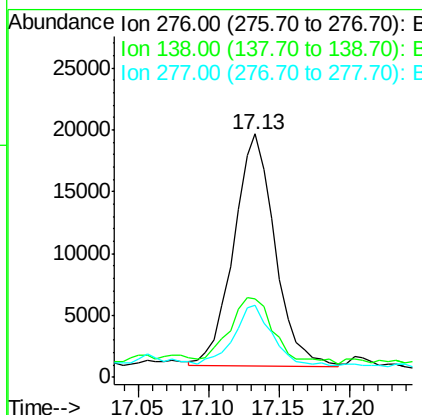
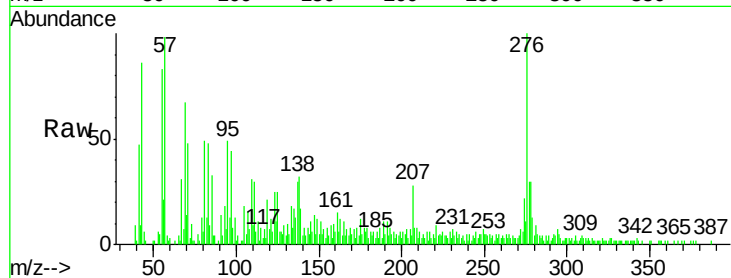
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.229 ng
RT: 17.13 min Scan# 2558
Delta R.T. 0.00 min
Lab File: BF103435.D
Acq: 6 Mar 2018 3:05

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1-24+31-WEST

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.0	25.0	37.6
277	24.5	20.1	30.1

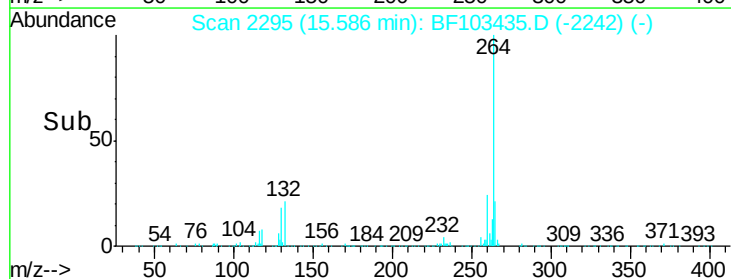
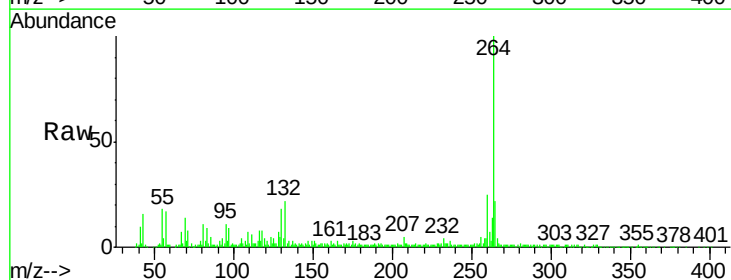
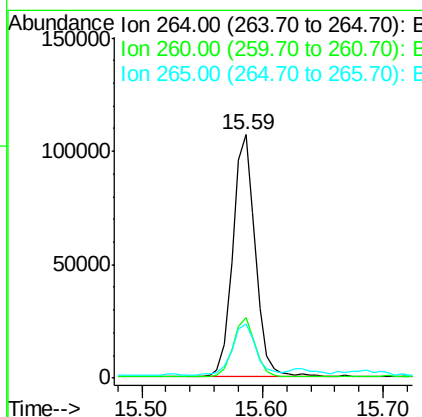
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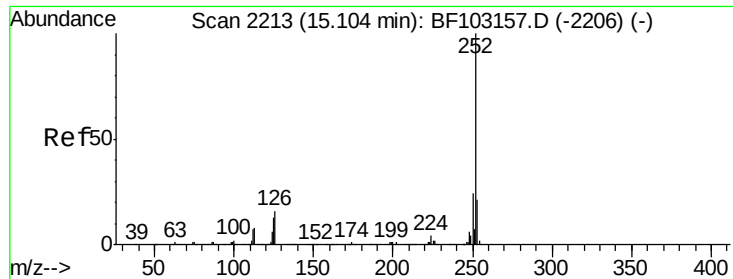
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF103435.D
Acq: 6 Mar 2018 3:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 7.114 ng m

RT: 15.14 min Scan# 2219

Delta R.T. 0.01 min

Lab File: BF103435.D

Acq: 6 Mar 2018 3:05

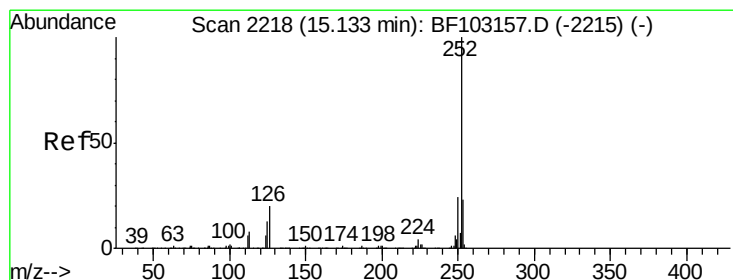
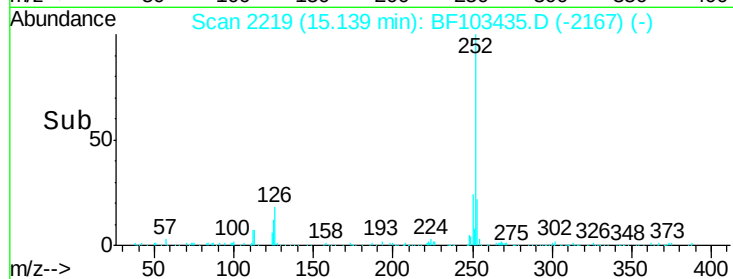
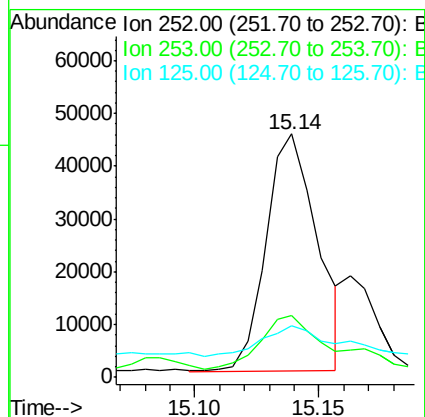
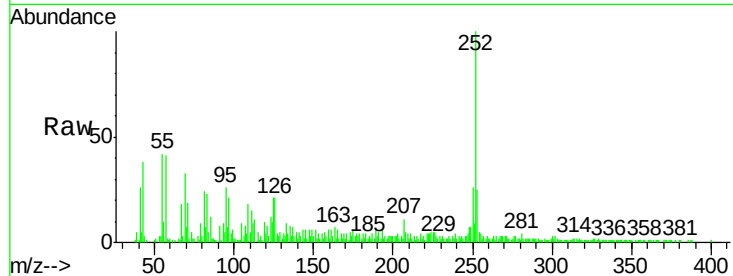
Instrument :
BNA_F

ClientSampleId :
SAMPLE-1-24+31-WEST

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.0	25.6
125	21.0	9.0	13.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.284 ng m

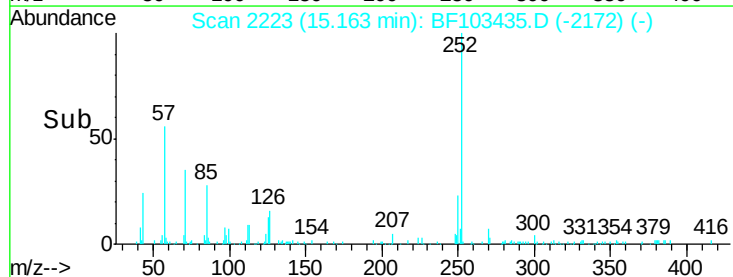
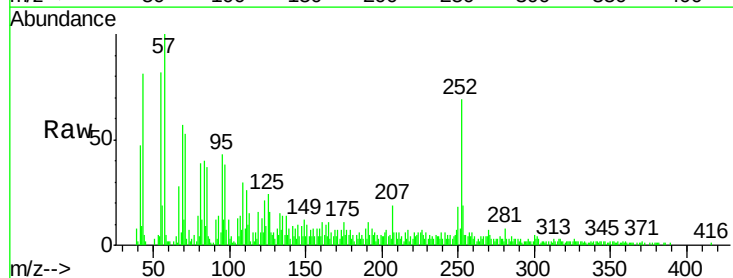
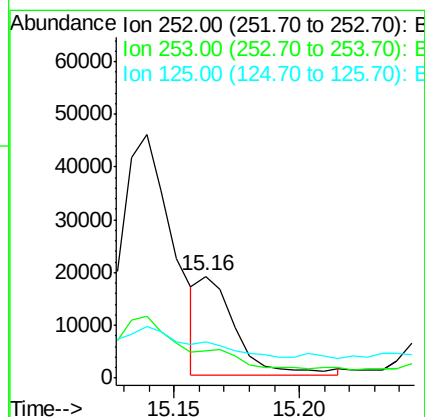
RT: 15.16 min Scan# 2223

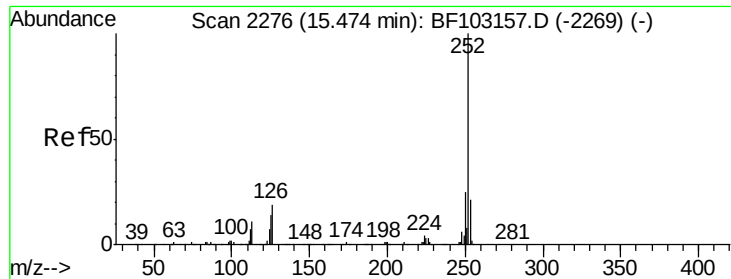
Delta R.T. 0.00 min

Lab File: BF103435.D

Acq: 6 Mar 2018 3:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.9	26.9#
125	35.6	10.2	15.2#





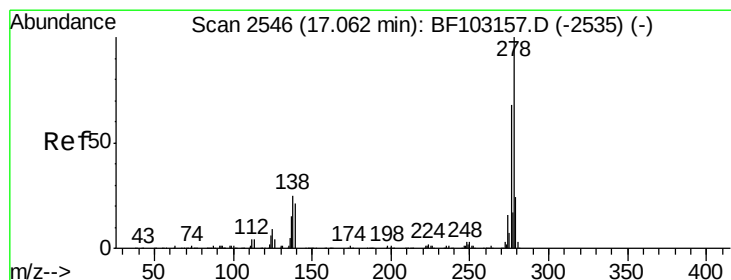
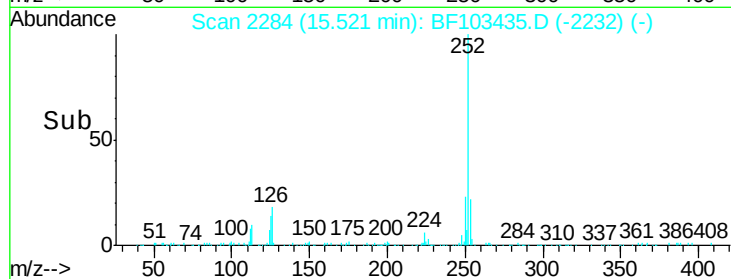
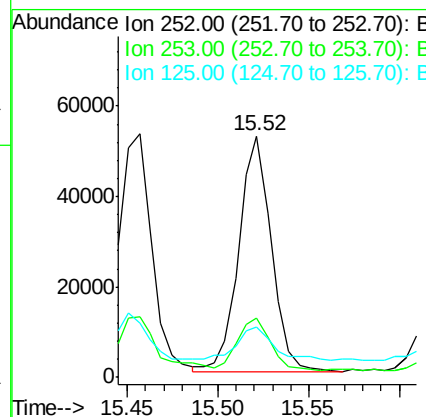
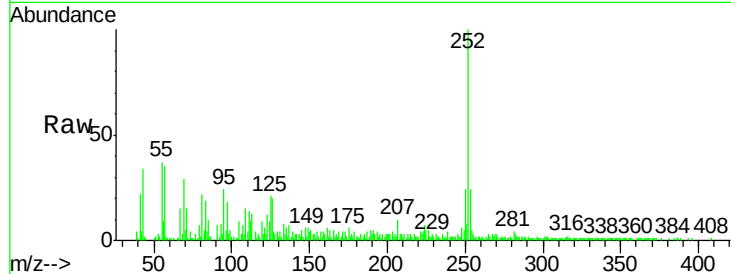
#89
Benzo(a)pyrene
Concen: 8.044 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF103435.D
Acq: 6 Mar 2018 3:05

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1-24+31-WEST

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	20.8	9.8	14.6

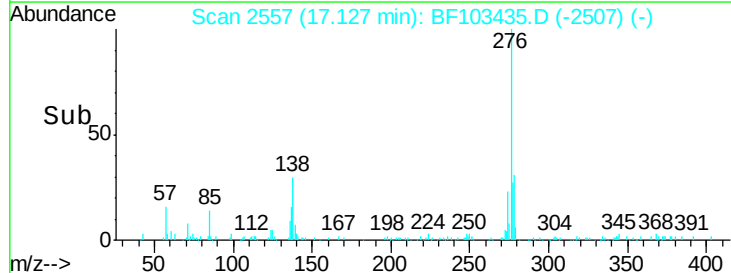
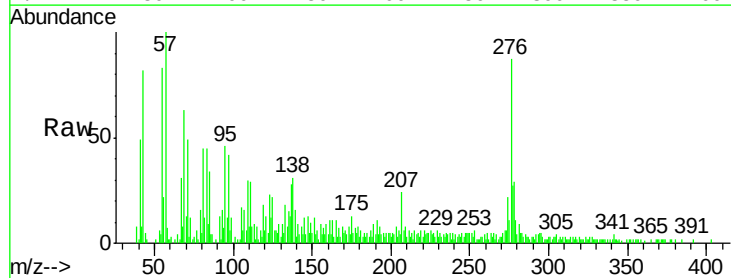
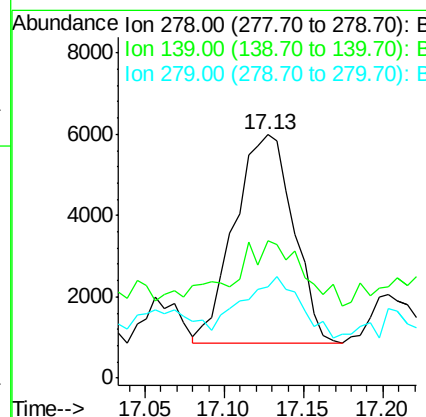
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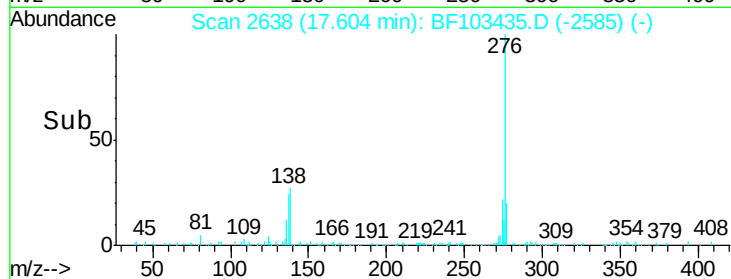
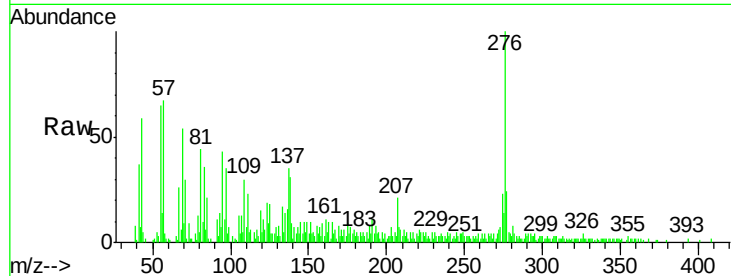
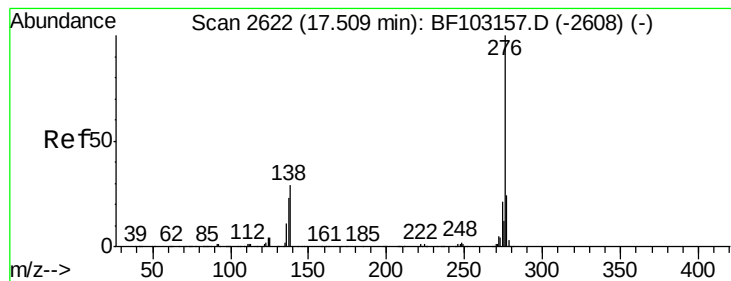
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.109 ng
RT: 17.13 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF103435.D
Acq: 6 Mar 2018 3:05

Tgt Ion	Ratio	Lower	Upper
278	100		
139	66.2	15.9	23.9
279	37.7	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 8.375 ng

RT: 17.60 min Scan# 2638

Delta R.T. 0.01 min

Lab File: BF103435.D

Acq: 6 Mar 2018 3:05

Instrument :

BNA_F

ClientSampleId :

SAMPLE-1-24+31-WEST

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	24.1	17.9	26.9	
138	30.8	21.8	32.8	

Manual Integrations
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