

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
 Data File : BF113106.D
 Acq On : 18 Mar 2019 22:28
 Operator : JU/SJ
 Sample : K1697-09 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-031519-A

Manual Integrations
 APPROVED

Sohil
 3/19/2019 5:09:57 PM

Quant Time: Mar 19 06:35:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	128947	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	488163	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	234939	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	438831	20.00	ng	0.00
76) Chrysene-d12	13.87	240	407649	20.00	ng	0.00
87) Perylene-d12	15.28	264	276932	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	81400	9.82	ng	0.00
7) Phenol-d6	6.37	99	113005	10.85	ng	0.00
23) Nitrobenzene-d5	7.29	82	59356	7.28	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	30740	12.32	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	134224	6.31	ng	0.00
79) Terphenyl-d14	12.82	244	157042	7.47	ng	0.00
Target Compounds						
71) Phenanthrene	11.26	178	61482	2.816	ng	96
75) Fluoranthene	12.45	202	174467	7.458	ng	95
78) Pyrene	12.67	202	171018	4.976	ng	99
81) Benzo(a)anthracene	13.86	228	87048	3.081	ng	97
83) Chrysene	13.89	228	79395	2.869	ng	97
88) Benzo(b)fluoranthene	14.88	252	74662m	4.168	ng	
90) Benzo(a)pyrene	15.22	252	52864	3.337	ng	# 90
92) Benzo(g,h,i)perylene	17.06	276	30515	2.248	ng	# 91

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

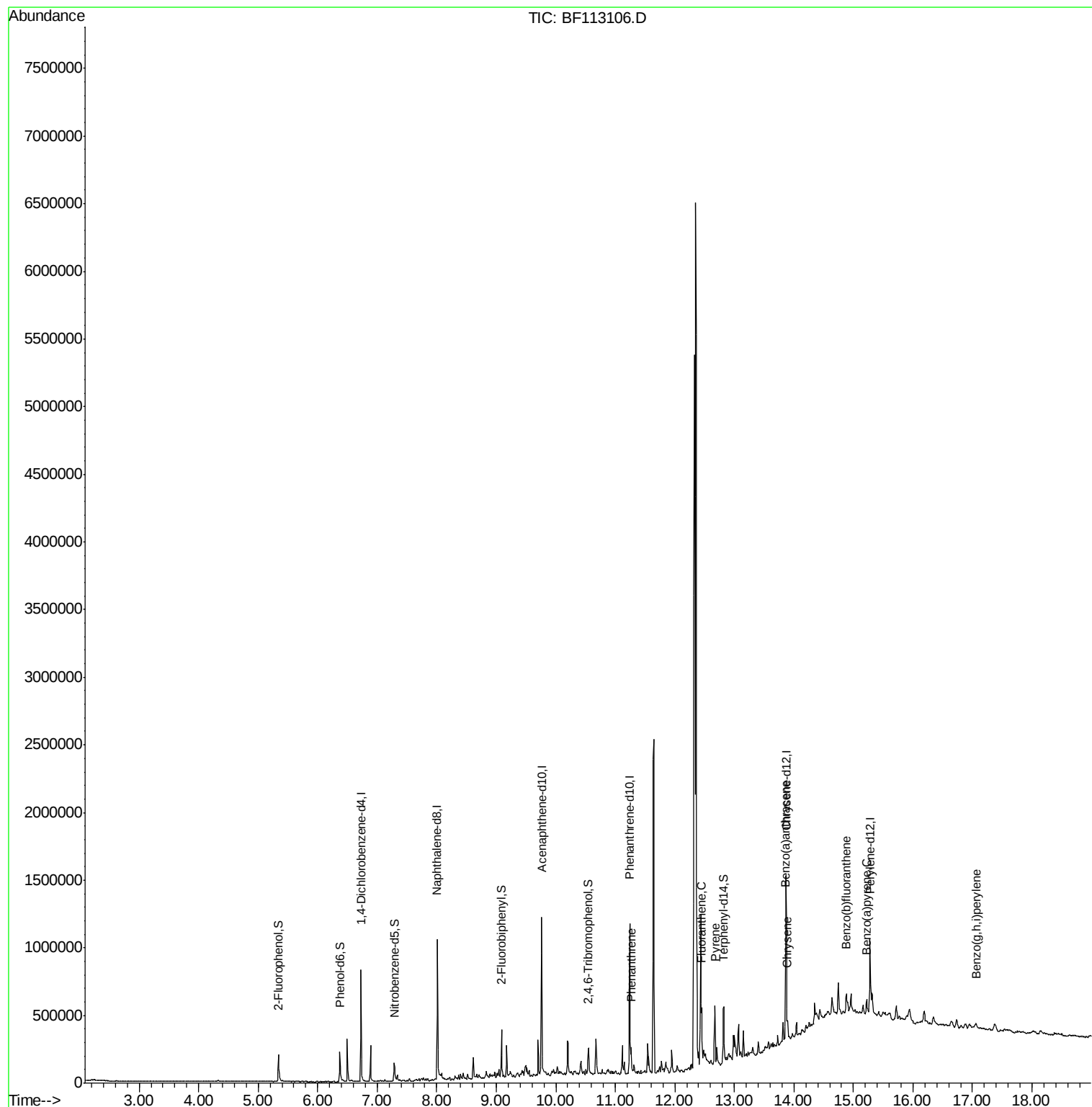
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
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Misc :
ALS Vial : 24 Sample Multiplier: 1

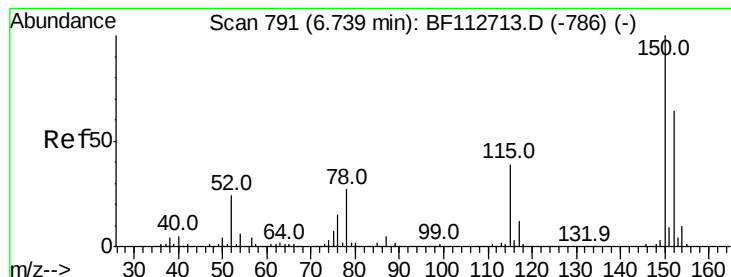
Instrument :
BNA_F
ClientSampleId :
SU-01-031519-A

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Response via : Initial Calibration





#1

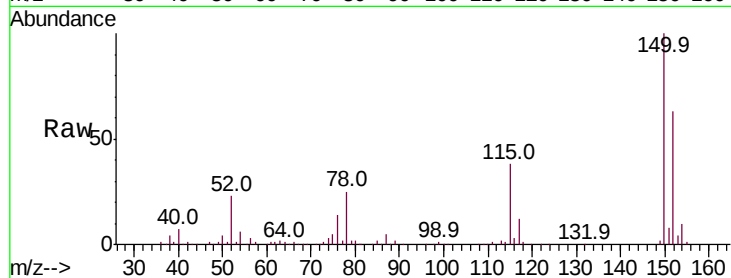
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113106.D
Acq: 18 Mar 2019 22:28

Instrument :
BNA_F
ClientSampleId :
SU-01-031519-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.2	186.2
115	59.7	48.2	72.4

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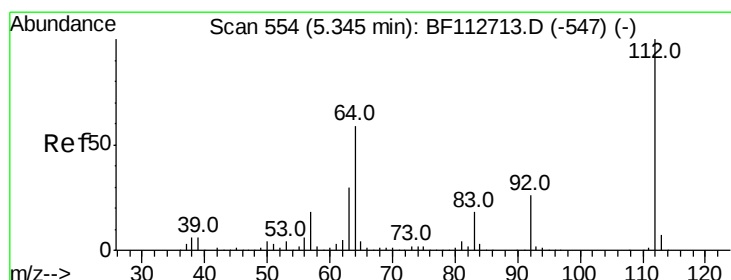
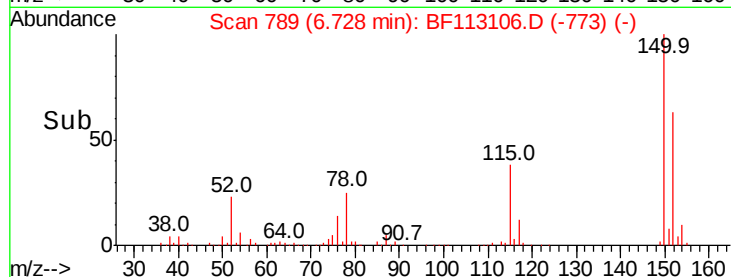
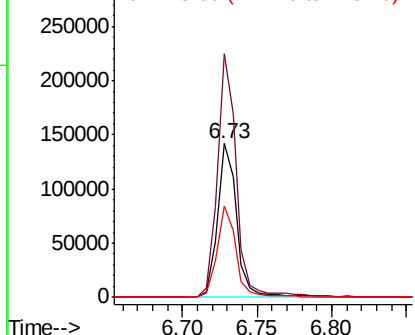


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

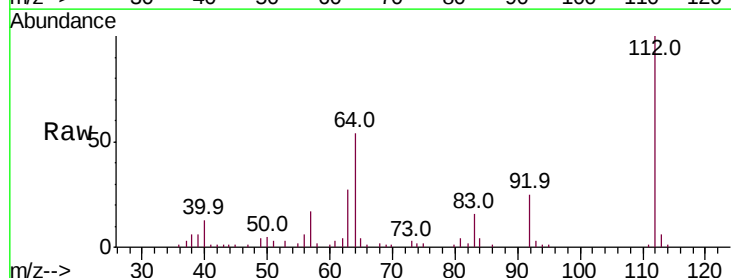
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 9.820 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF113106.D
Acq: 18 Mar 2019 22:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	47.6	71.4
63	27.2	24.4	36.6

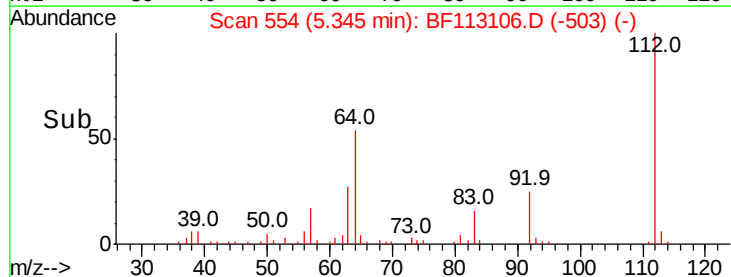
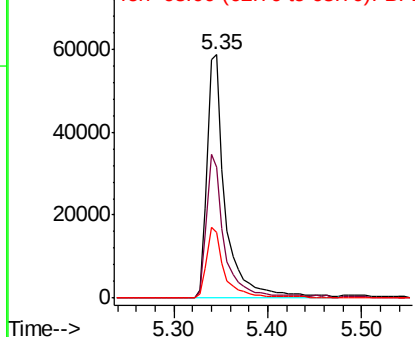


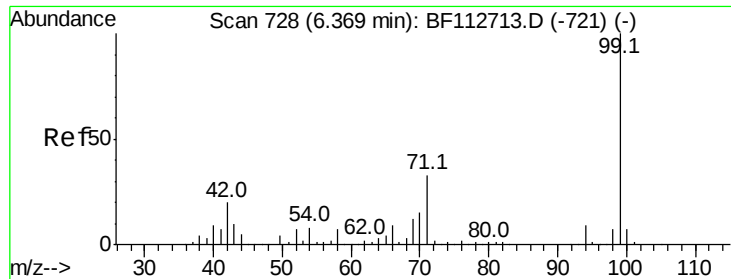
Abundance

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: 10.852 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113106.D

Acq: 18 Mar 2019 22:28

Instrument :

BNA_F

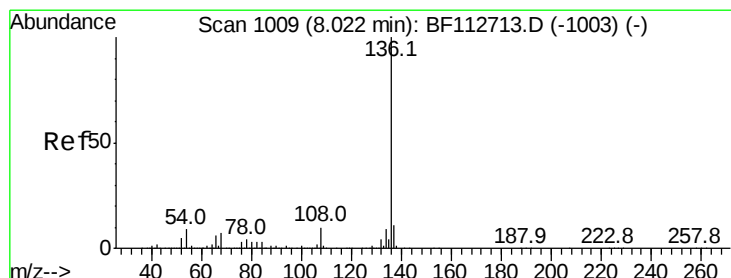
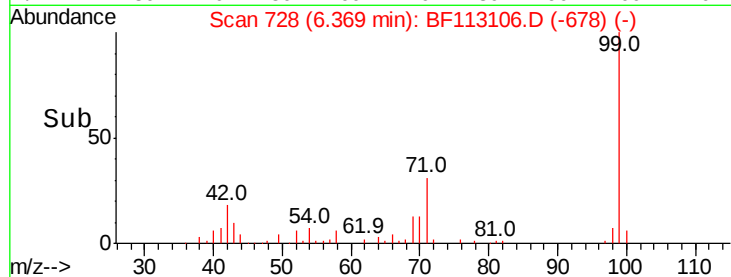
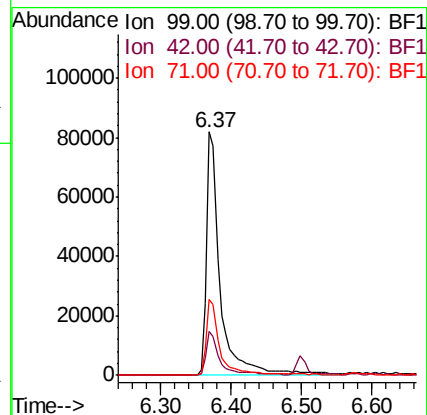
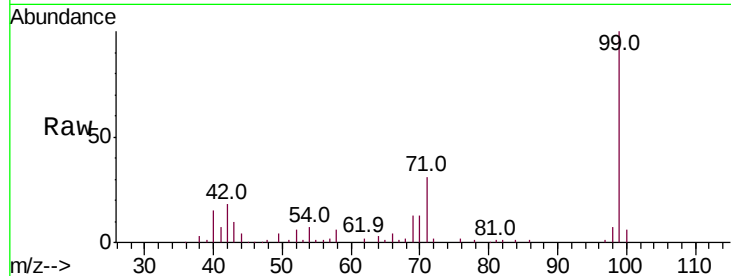
ClientSampleId :

SU-01-031519-A

Tot Ion:	99	Resp:	113005
Ion Ratio	Lower	Upper	
99	100		
42	17.9	16.3	24.5
71	31.3	26.2	39.4

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#21

Naphthalene-d8

Concen: 20.000 ng

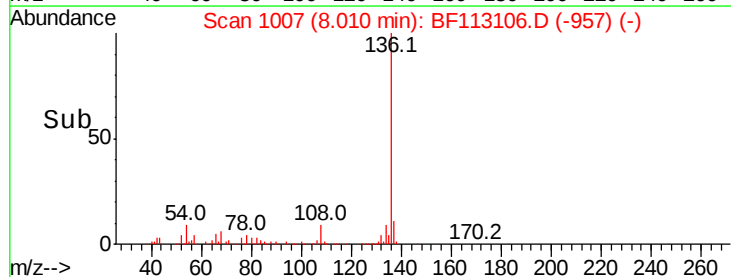
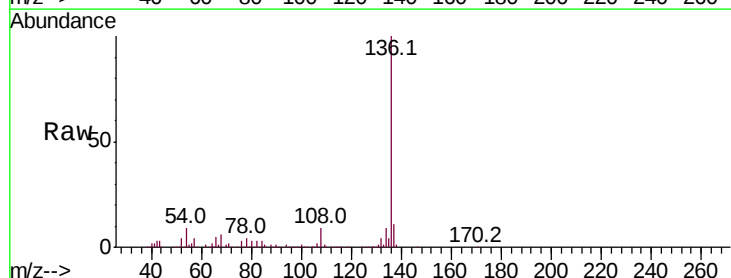
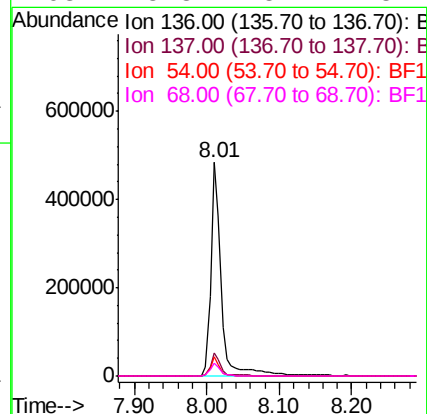
RT: 8.01 min Scan# 1007

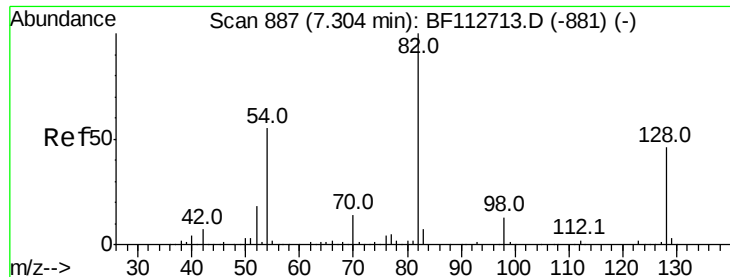
Delta R.T. -0.01 min

Lab File: BF113106.D

Acq: 18 Mar 2019 22:28

Tgt Ion:	136	Resp:	488163
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.8	7.3	10.9
68	5.8	5.4	8.2





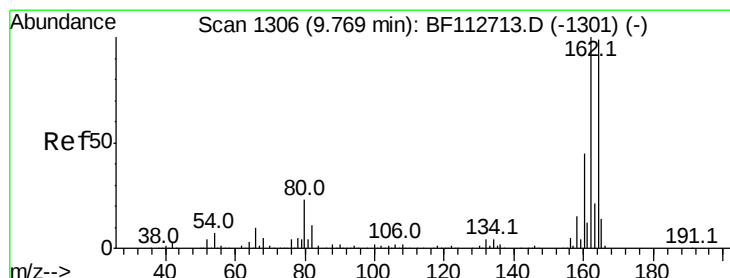
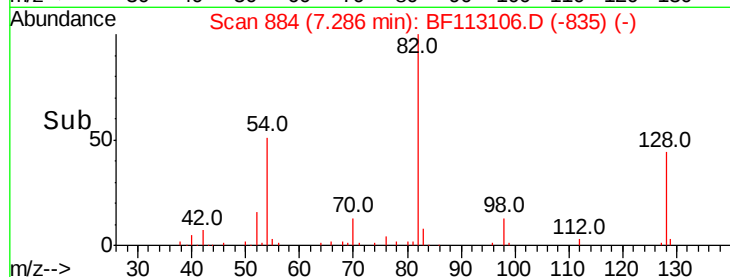
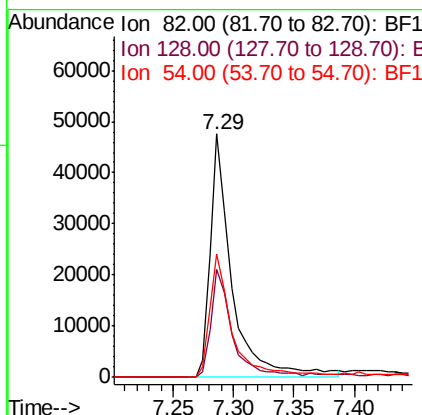
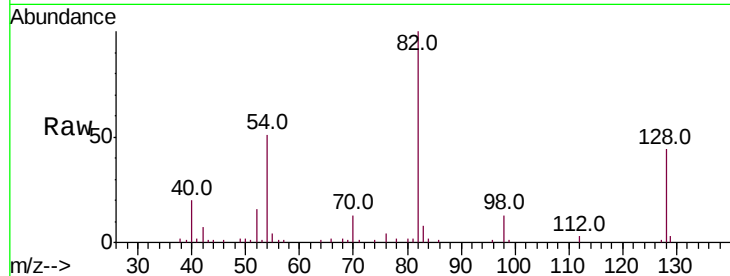
#23
Nitrobenzene-d5
Concen: 7.276 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113106.D
Acq: 18 Mar 2019 22:28

Instrument :
BNA_F
ClientSampleId :
SU-01-031519-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.3	54.5
54	50.6	43.7	65.5

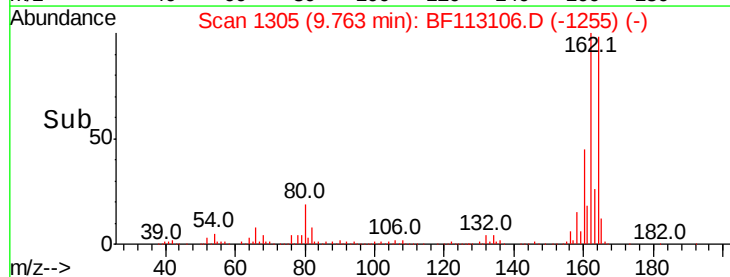
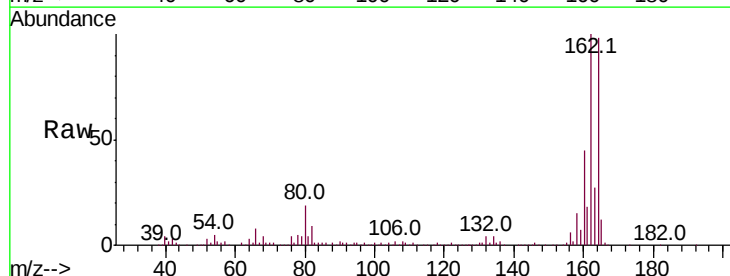
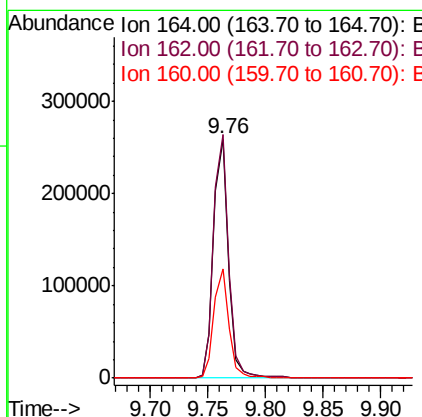
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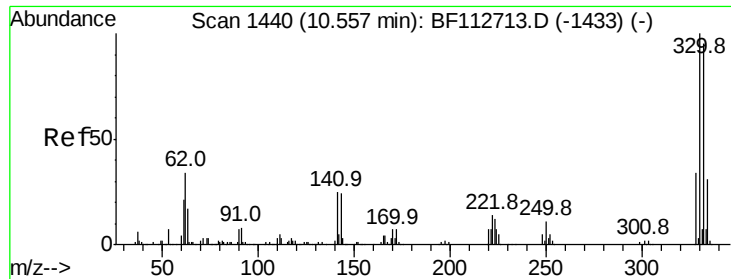
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF113106.D
Acq: 18 Mar 2019 22:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.6	120.8
160	45.6	36.0	54.0





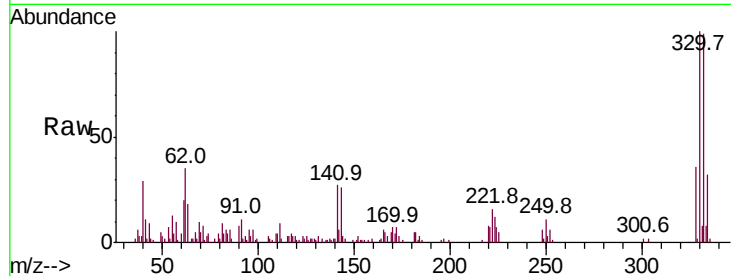
#42
 2,4,6-Tribromophenol
 Concen: 12.325 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: BF113106.D
 Acq: 18 Mar 2019 22:28

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-031519-A

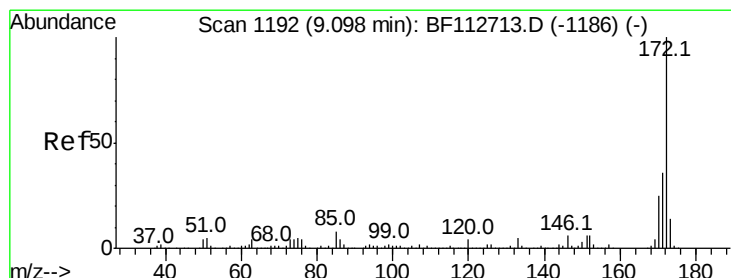
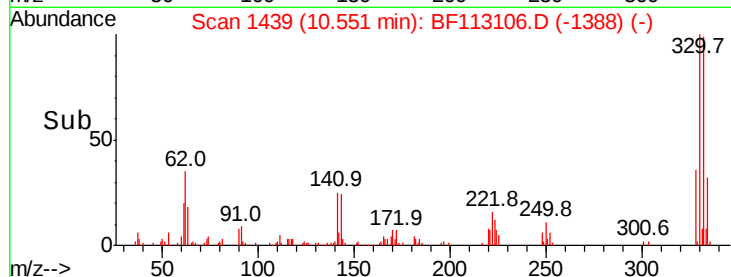
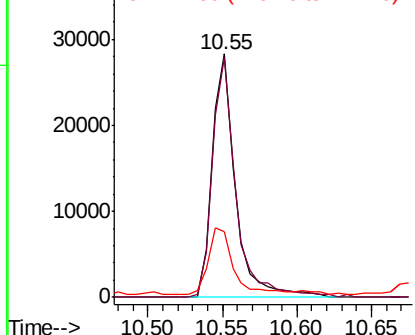
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	100.2	76.2	114.4	
141	29.1	27.0	40.6	

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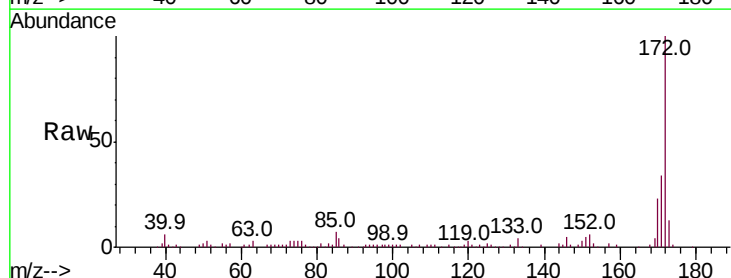


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

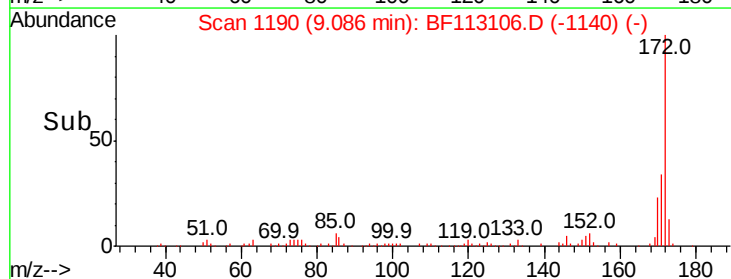
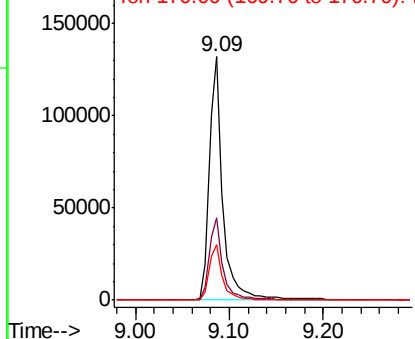


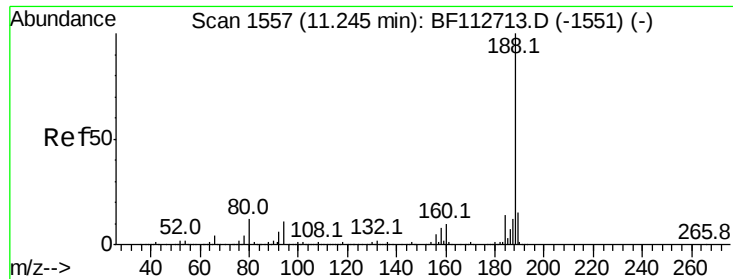
#45
 2-Fluorobiphenyl
 Concen: 6.312 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF113106.D
 Acq: 18 Mar 2019 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	33.7	29.0	43.4	
170	22.9	20.0	30.0	



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF113106.D

Acq: 18 Mar 2019 22:28

Instrument :

BNA_F

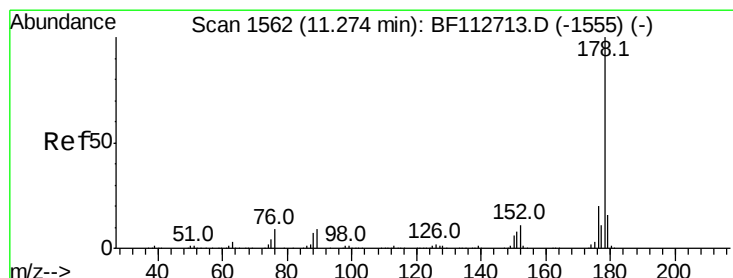
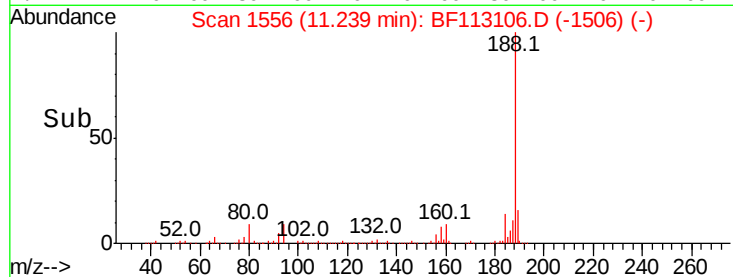
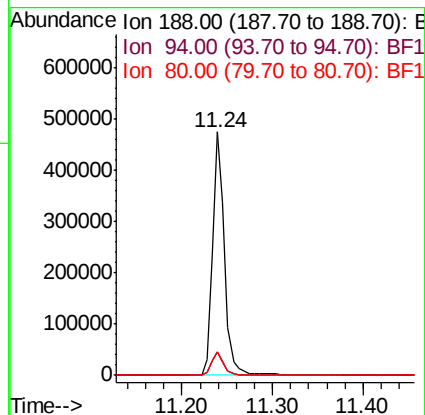
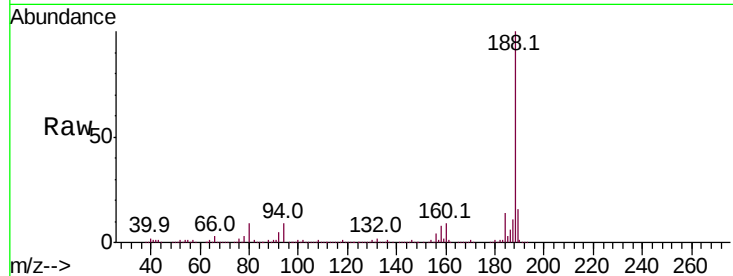
ClientSampleId :

SU-01-031519-A

Tot Ion:188	Resp:	438831
Ion Ratio	Lower	Upper
188 100		
94 9.4	9.0	13.4
80 9.5	9.2	13.8

Manual Integrations
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#71

Phenanthrene

Concen: 2.816 ng

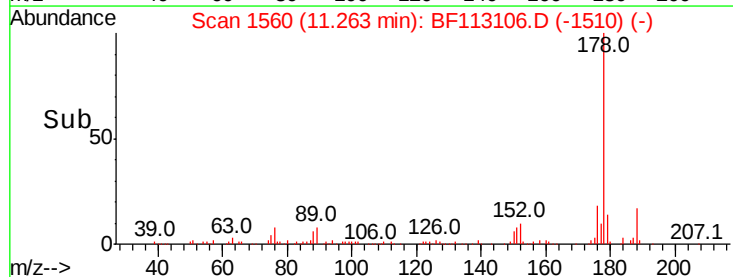
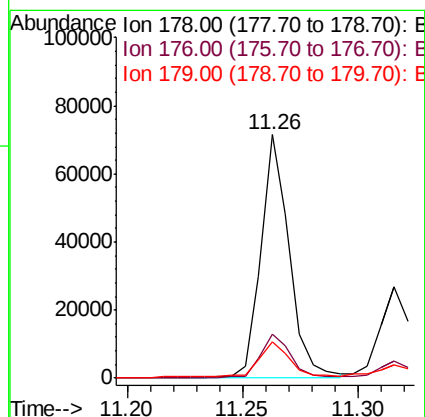
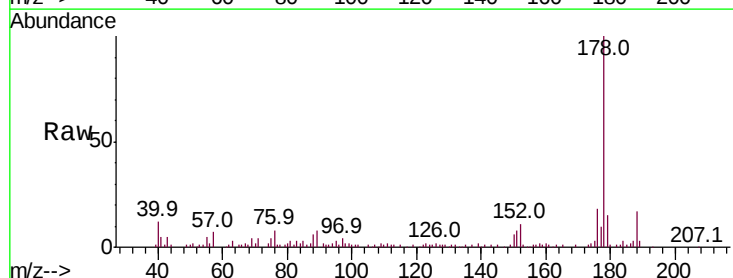
RT: 11.26 min Scan# 1560

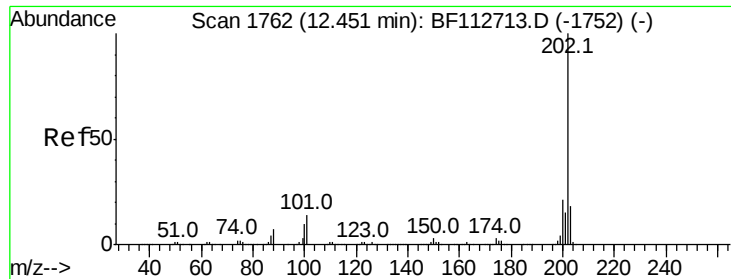
Delta R.T. -0.01 min

Lab File: BF113106.D

Acq: 18 Mar 2019 22:28

Tgt Ion:178	Resp:	61482
Ion Ratio	Lower	Upper
178 100		
176 18.2	16.3	24.5
179 14.6	12.7	19.1





#75

Fluoranthene

Concen: 7.458 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF113106.D

Acq: 18 Mar 2019 22:28

Instrument :

BNA_F

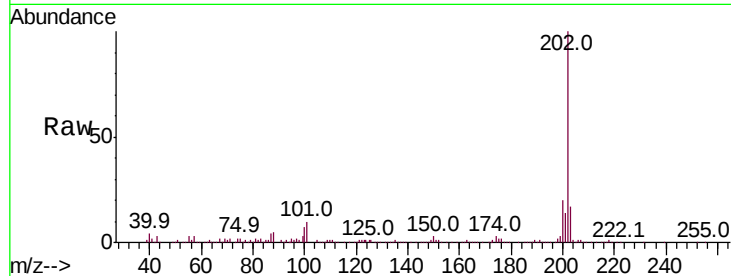
ClientSampleId :

SU-01-031519-A

Tot Ion:	202	Resp:	174467
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	33.8
203	17.4	0.0	38.4

Manual Integrations
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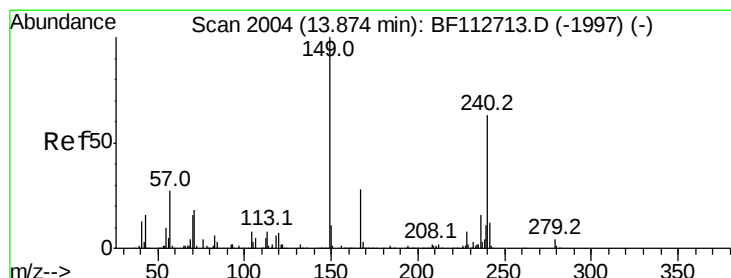
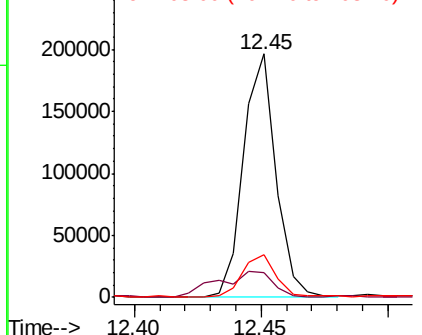
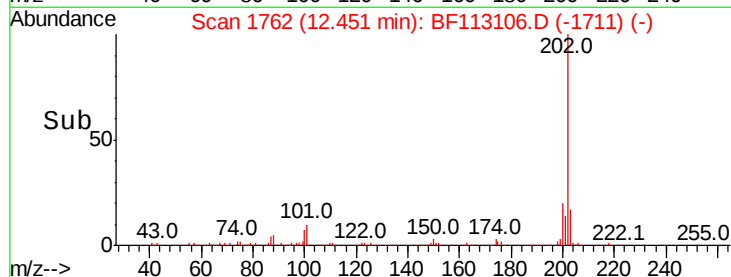


Abundance

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

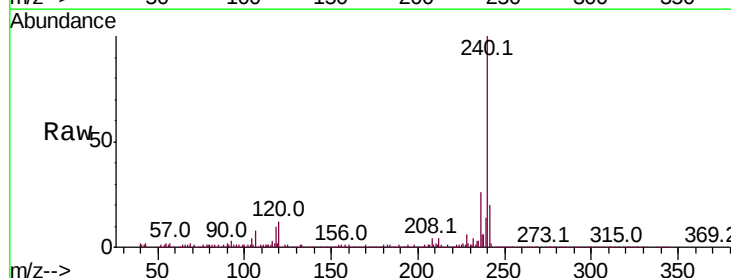
RT: 13.87 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BF113106.D

Acq: 18 Mar 2019 22:28

Tgt Ion:	240	Resp:	407649
Ion Ratio	Lower	Upper	
240	100		
120	11.7	8.9	13.3
236	26.4	20.7	31.1

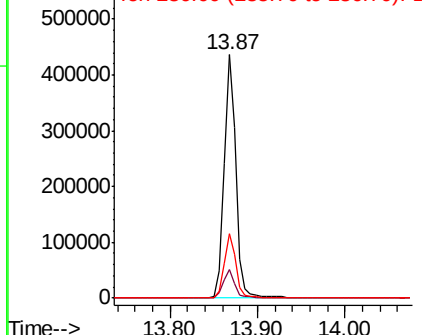
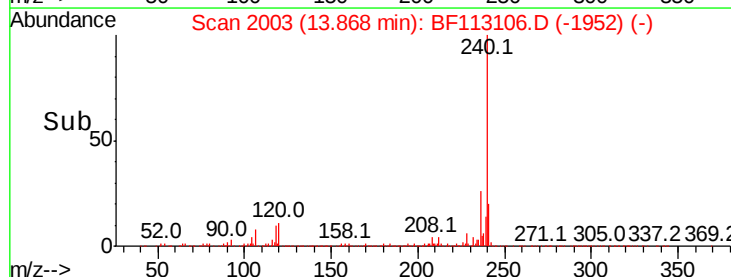


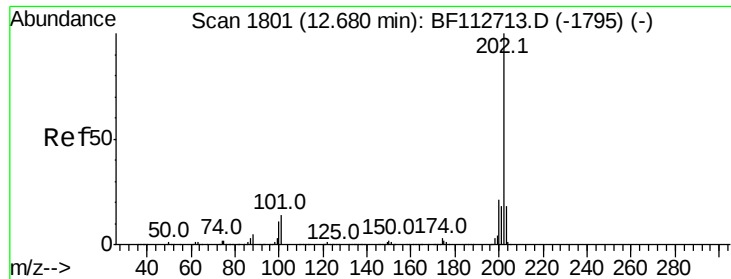
Abundance

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





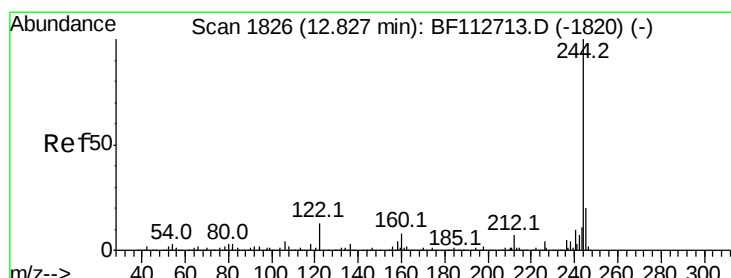
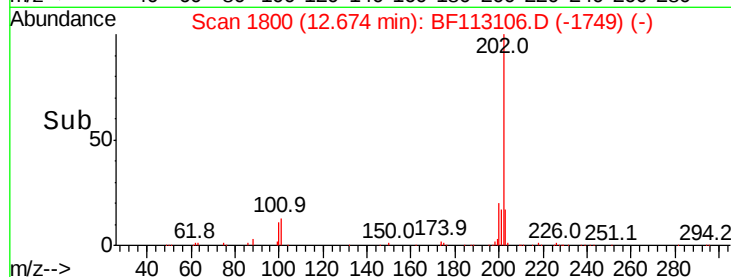
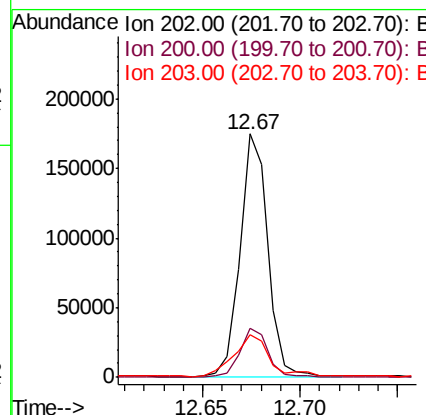
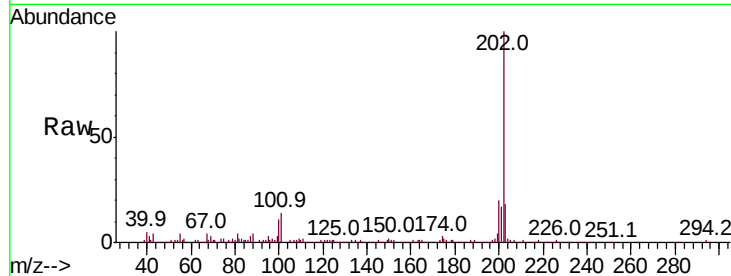
#78
Pvrene
Concen: 4.976 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BF113106.D
Acq: 18 Mar 2019 22:28

Instrument :
BNA_F
ClientSampleId :
SU-01-031519-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.2	17.0	25.4
203	17.8	14.4	21.6

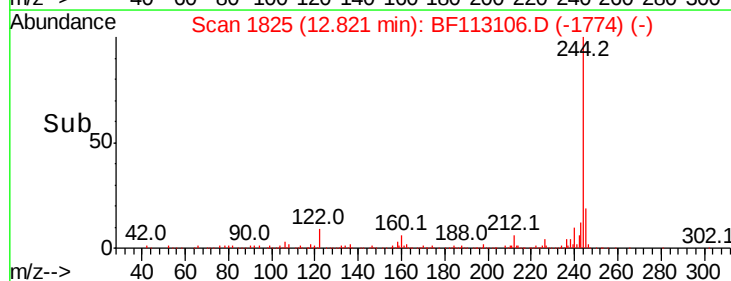
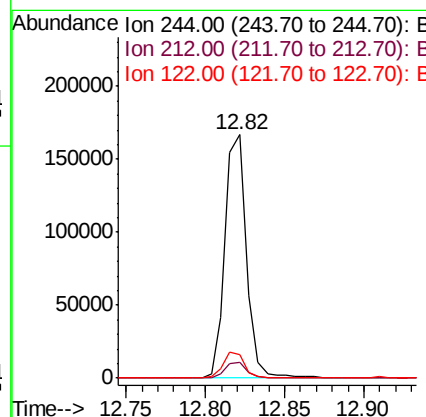
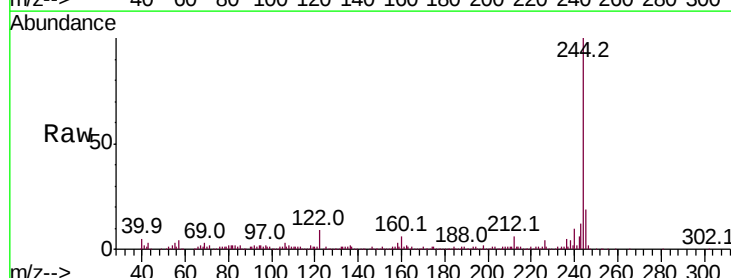
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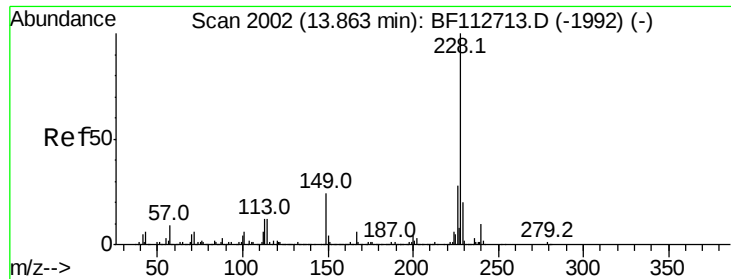
Sohil
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#79
Terphenyl-d14
Concen: 7.468 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BF113106.D
Acq: 18 Mar 2019 22:28

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.3	5.6	8.4
122	9.5	10.5	15.7#





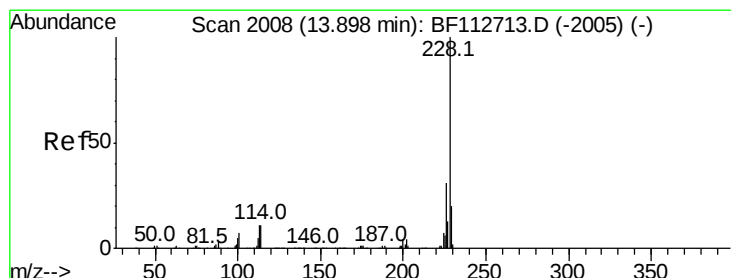
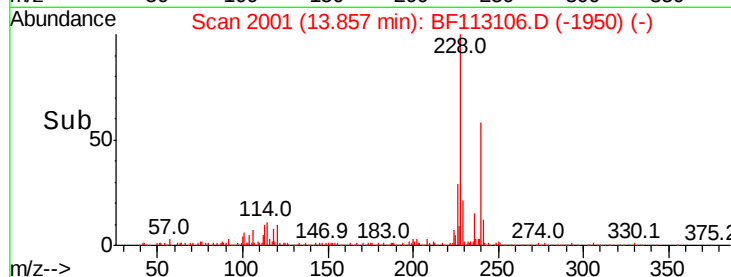
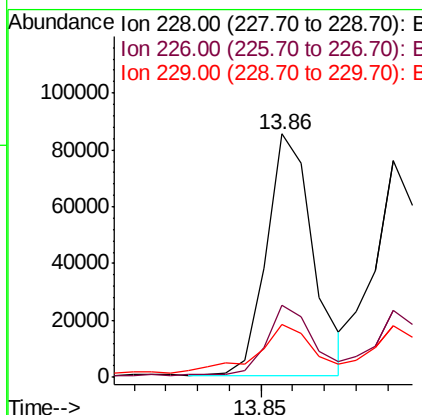
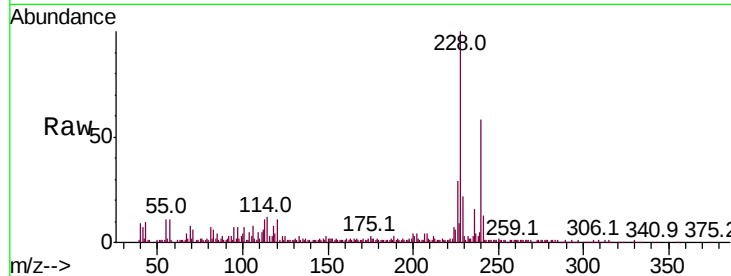
#81
Benzo(a)anthracene
Concen: 3.081 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.00 min
Lab File: BF113106.D
Acq: 18 Mar 2019 22:28

Instrument :
BNA_F
ClientSampleId :
SU-01-031519-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.2	33.4
229	21.8	16.0	24.0

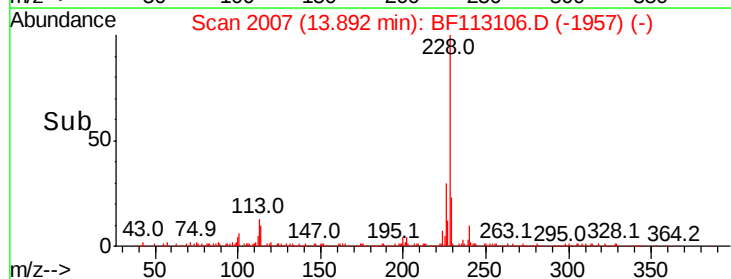
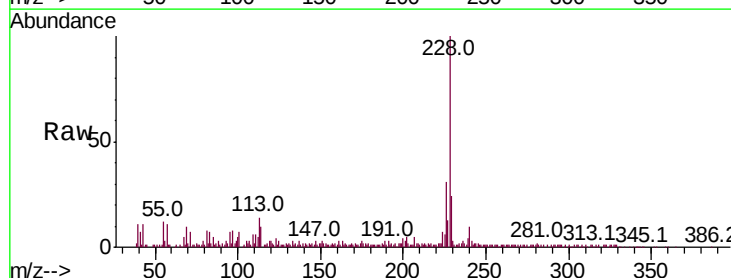
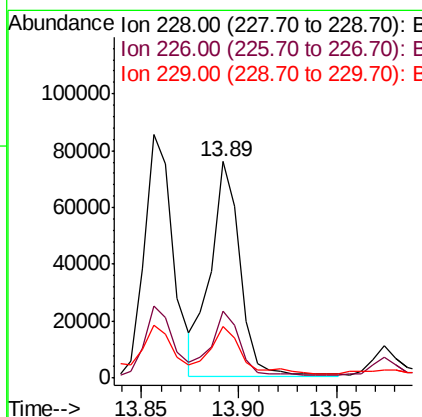
Manual Integrations
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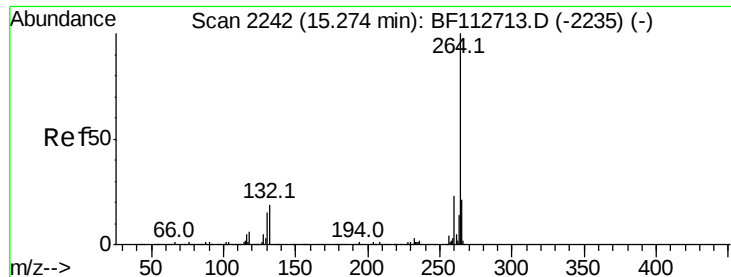
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#83
Chrysene
Concen: 2.869 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF113106.D
Acq: 18 Mar 2019 22:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	23.9	16.3	24.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF113106.D

Acq: 18 Mar 2019 22:28

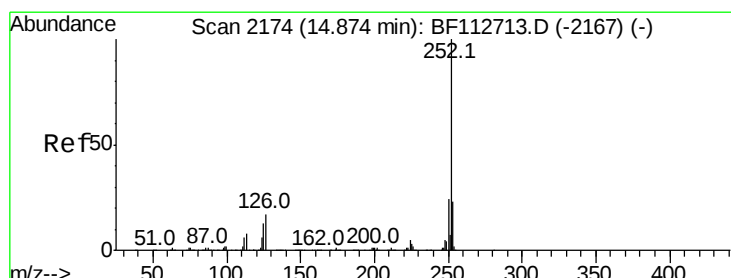
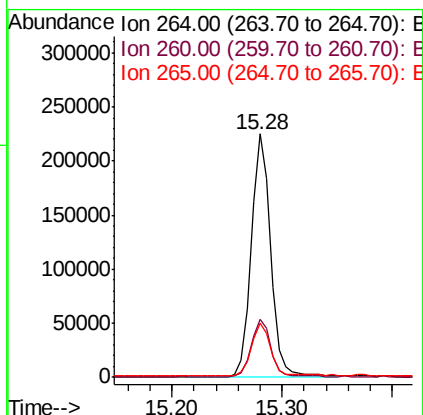
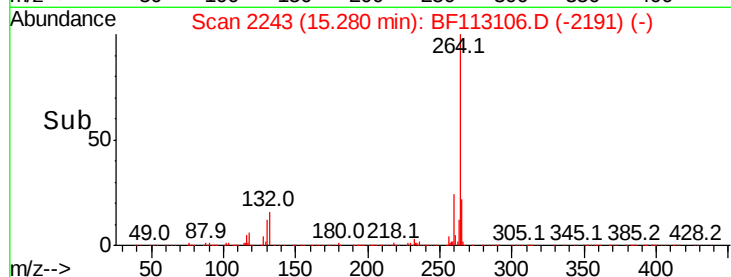
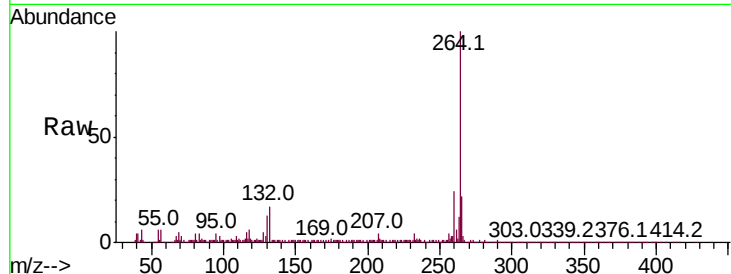
Instrument :
BNA_F

ClientSampleId :
SU-01-031519-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	22.1	17.2	25.8

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#88

Benzo(b)fluoranthene

Concen: 4.168 ng m

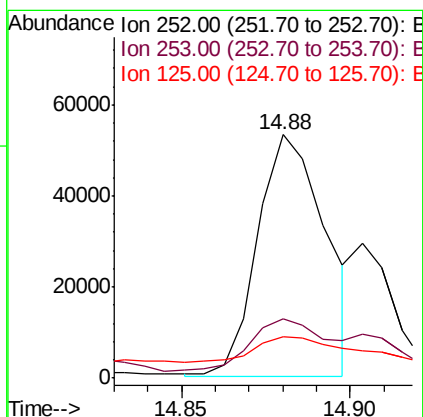
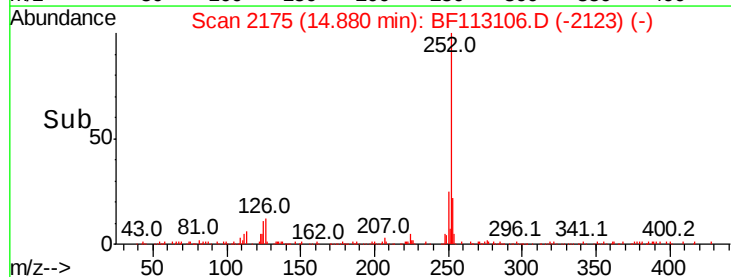
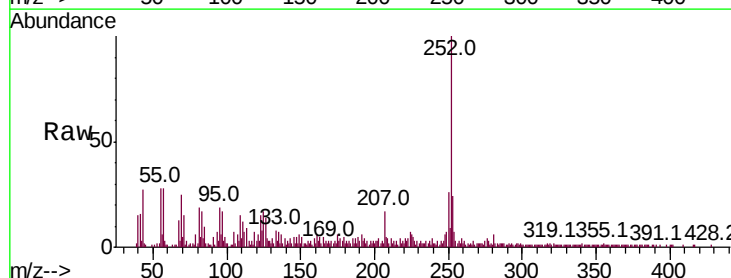
RT: 14.88 min Scan# 2175

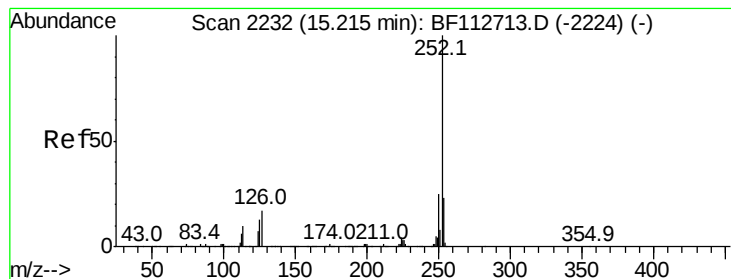
Delta R.T. 0.01 min

Lab File: BF113106.D

Acq: 18 Mar 2019 22:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	17.1	10.2	15.2#





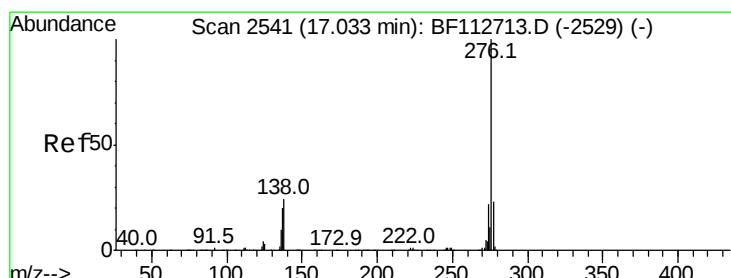
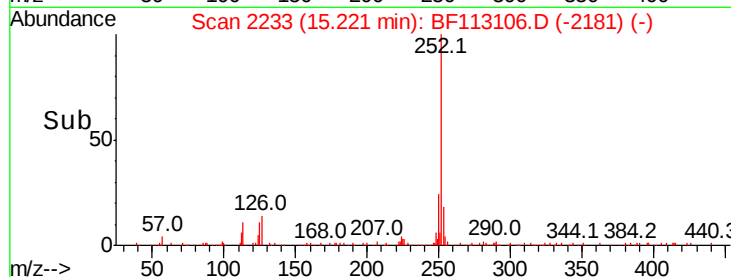
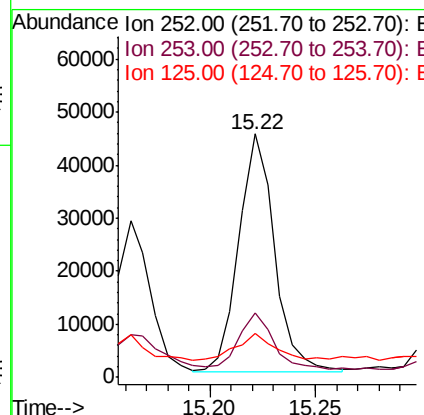
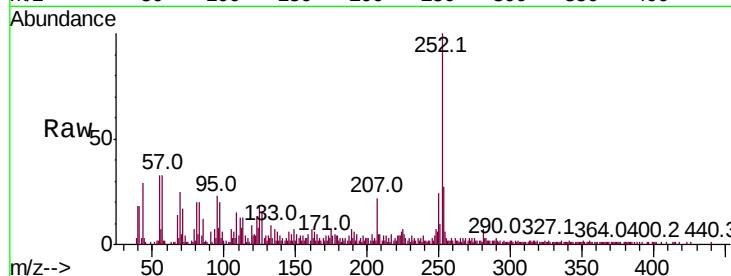
#90
Benzo(a)pyrene
Concen: 3.337 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF113106.D
Acq: 18 Mar 2019 22:28

Instrument :
BNA_F
ClientSampleId :
SU-01-031519-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.0	27.0
125	18.1	10.7	16.1

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#92
Benzo(g,h,i)perylene
Concen: 2.248 ng
RT: 17.06 min Scan# 2545
Delta R.T. 0.01 min
Lab File: BF113106.D
Acq: 18 Mar 2019 22:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.2	18.6	27.8
138	25.7	19.4	29.0

