

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
 Data File : BF105349.D
 Acq On : 12 May 2018 20:24
 Operator : JU/SJ
 Sample : J2706-02DL 50X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 002DL

Manual Integrations
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Quant Time: May 14 09:02:57 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 11 17:15:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	142455	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	612208	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	278110	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	503149	20.00	ng	0.00
75) Chrysene-d12	14.02	240	299774	20.00	ng	0.00
86) Perylene-d12	15.58	264	363666	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	17238	1.82	ng	0.00
7) Phenol-d6	6.42	99	31606	2.81	ng	0.00
23) Nitrobenzene-d5	7.35	82	20507	1.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	6534	1.82	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	48864	2.53	ng	-0.01
78) Terphenyl-d14	12.90	244	46647	3.35	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.09	128	75847	2.544	ng	98
51) Acenaphthene	9.85	154	111999	5.954	ng	97
54) Dibenzofuran	10.03	168	87329	3.456	ng	99
57) Fluorene	10.37	166	123974	6.484	ng	99
70) Phenanthrene	11.34	178	1336401	47.130	ng	99
71) Anthracene	11.39	178	475826	16.211	ng	99
72) Carbazole	11.54	167	201140	7.829	ng	99
74) Fluoranthene	12.53	202	1985284	70.431	ng	99
77) Pyrene	12.76	202	1717160	74.228	ng	100
79) Butylbenzylphthalate	13.39	149	29776	2.922	ng	99
80) Benzo(a)anthracene	14.00	228	825950	47.190	ng	98
82) Chrysene	14.04	228	805468	46.705	ng	99
85) Indeno(1,2,3-cd)pyrene	17.03	276	271489m	17.290	ng	
87) Benzo(b)fluoranthene	15.16	252	831133m	38.342	ng	
88) Benzo(k)fluoranthene	15.18	252	346646m	16.537	ng	
89) Benzo(a)pyrene	15.52	252	589558	29.209	ng	98
90) Dibenzo(a,h)anthracene	17.04	278	81867	4.325	ng	97
91) Benzo(g,h,i)perylene	17.46	276	236904	13.022	ng	97

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

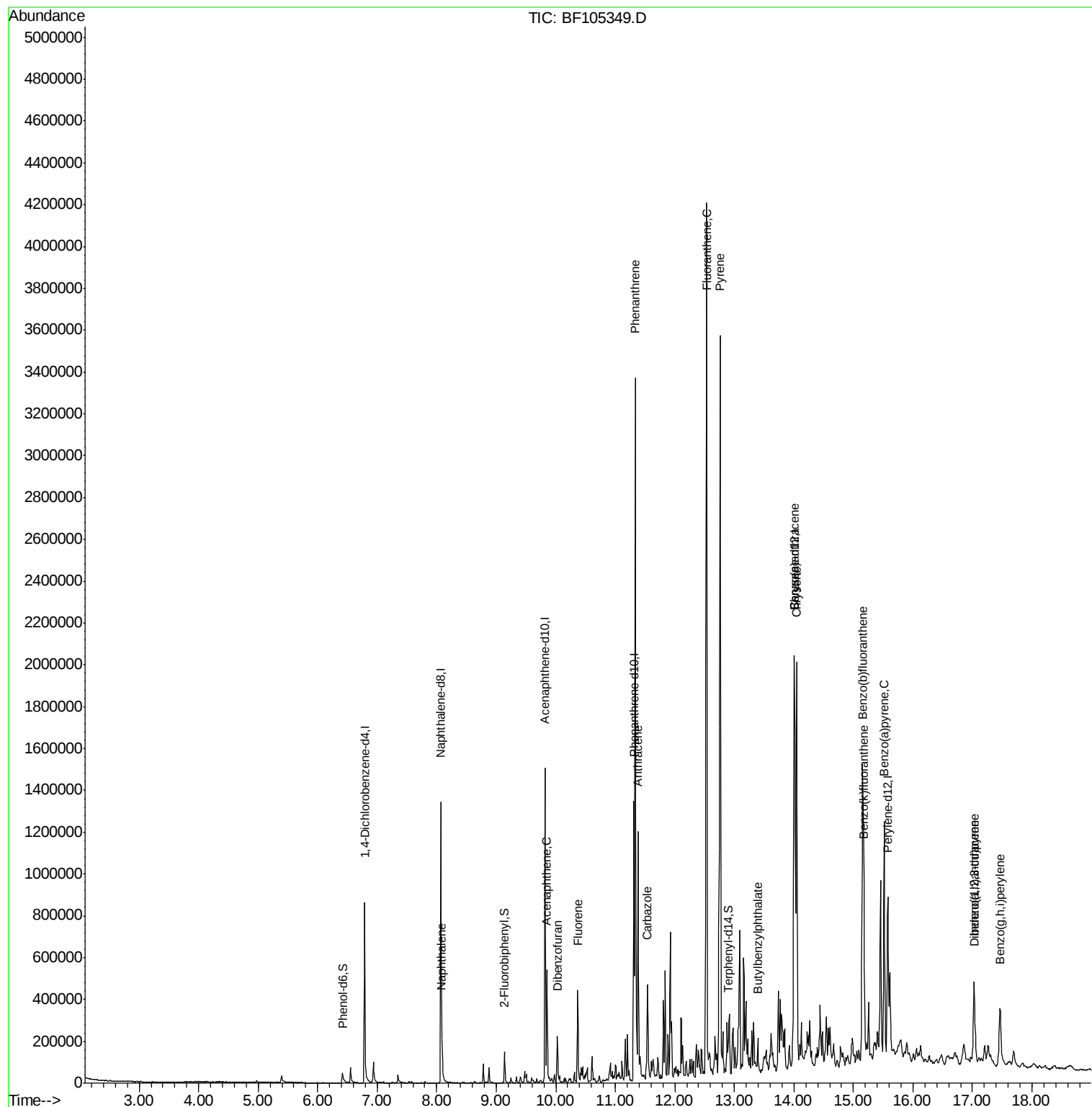
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105349.D
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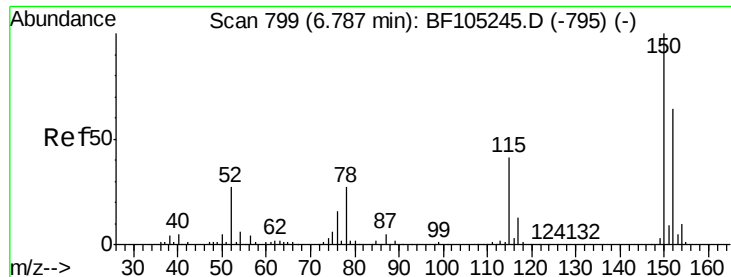
Instrument :
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Quant Time: May 14 09:02:57 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 11 17:15:19 2018
Response via : Initial Calibration





#1

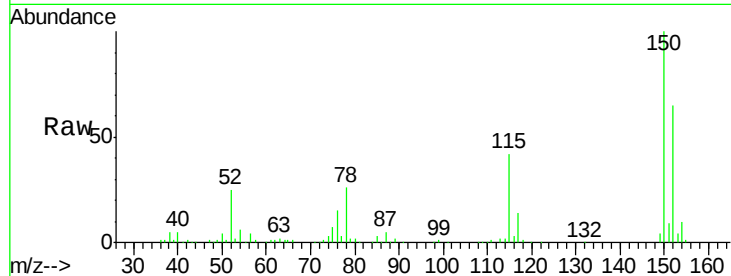
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF105349.D
Acq: 12 May 2018 20:24

Instrument :
BNA_F
ClientSampled :
002DL

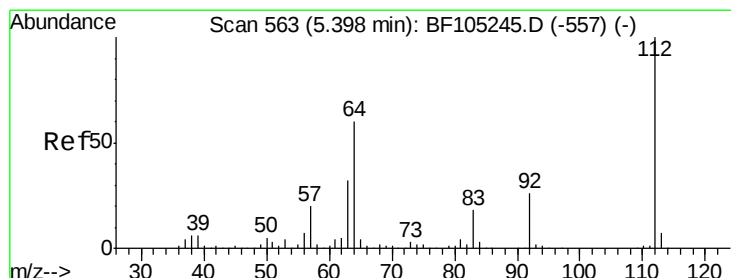
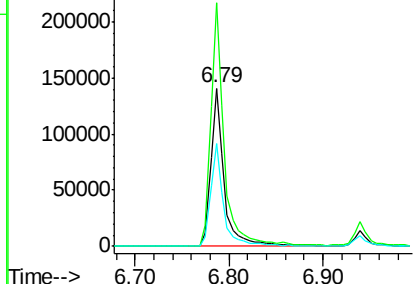
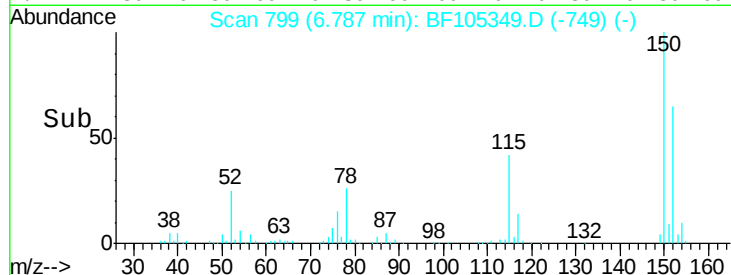
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.6	186.8
115	64.9	50.1	75.1

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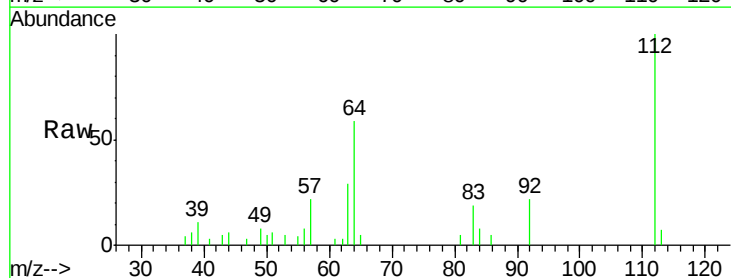
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



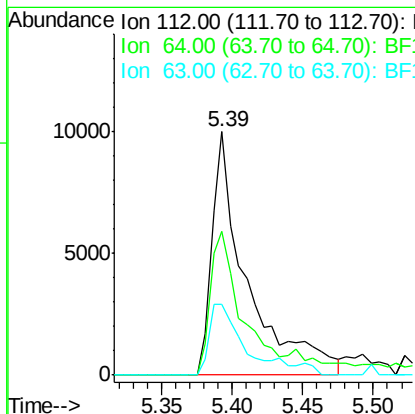
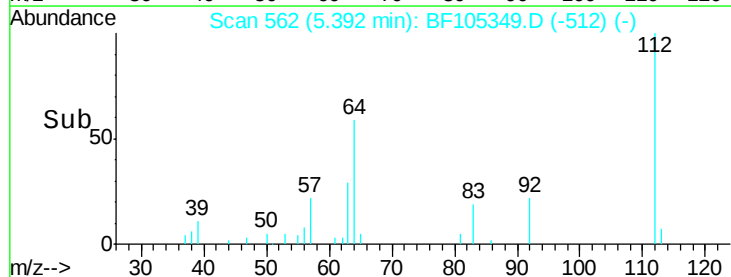
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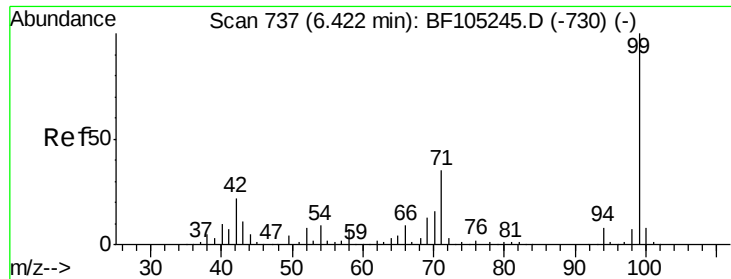
2-Fluorophenol
Concen: 1.820 ng
RT: 5.39 min Scan# 562
Delta R.T. -0.01 min
Lab File: BF105349.D
Acq: 12 May 2018 20:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.9	71.9
63	28.9	23.7	35.5



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: 2.808 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF105349.D

Acq: 12 May 2018 20:24

Instrument :

BNA_F

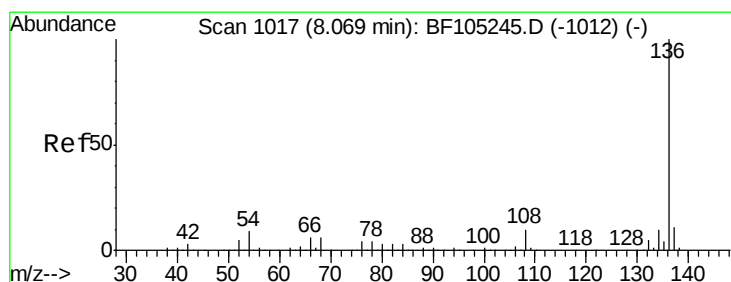
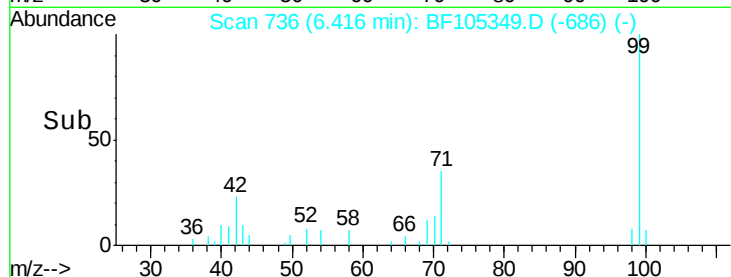
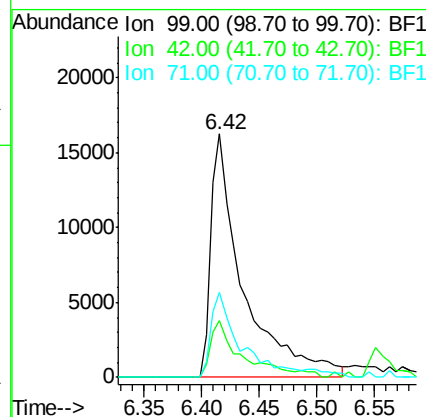
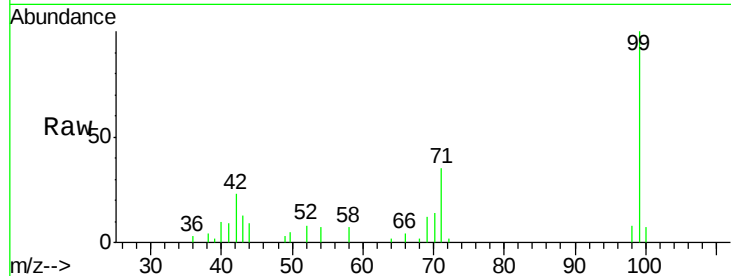
ClientSampleId :

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Tot Ion:	99	Resp:	31606
Ion Ratio	Lower	Upper	
99	100		
42	23.4	14.5	21.7#
71	34.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

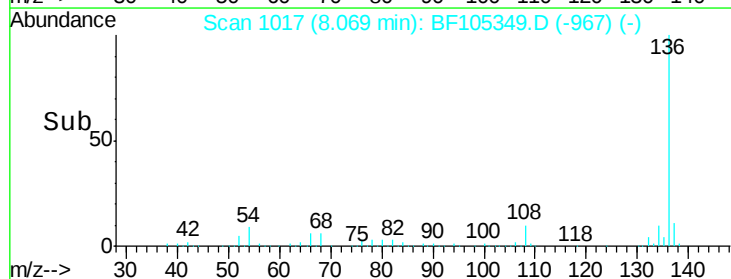
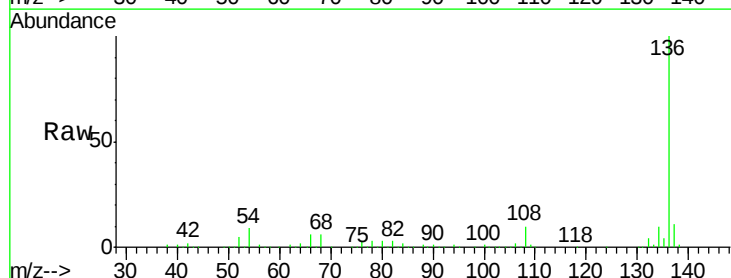
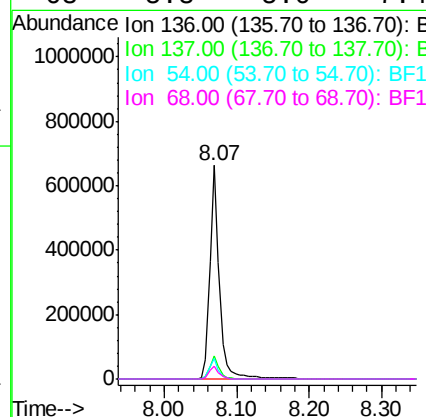
RT: 8.07 min Scan# 1017

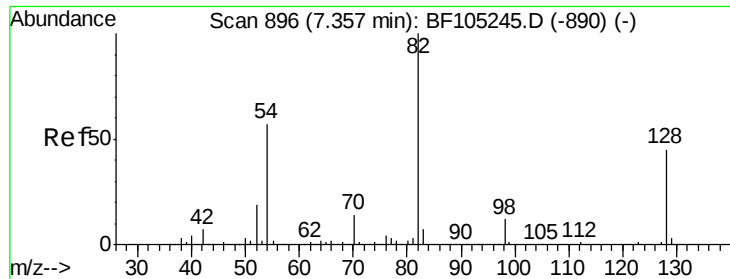
Delta R.T. -0.01 min

Lab File: BF105349.D

Acq: 12 May 2018 20:24

Tgt Ion:	136	Resp:	612208
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	9.3	6.6	9.8
68	5.8	5.0	7.4





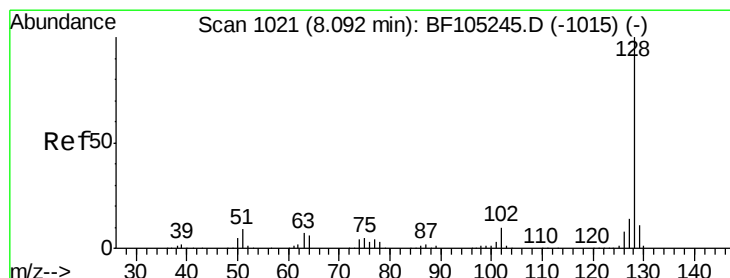
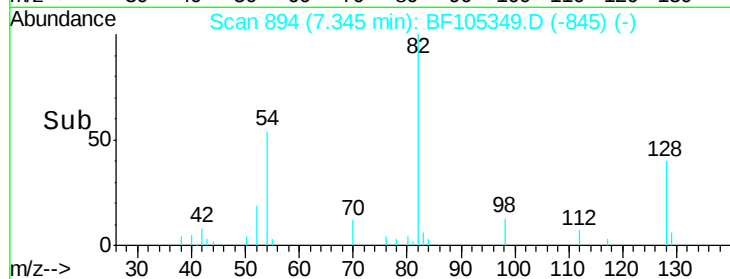
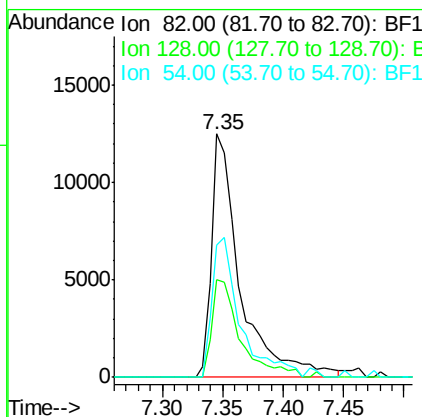
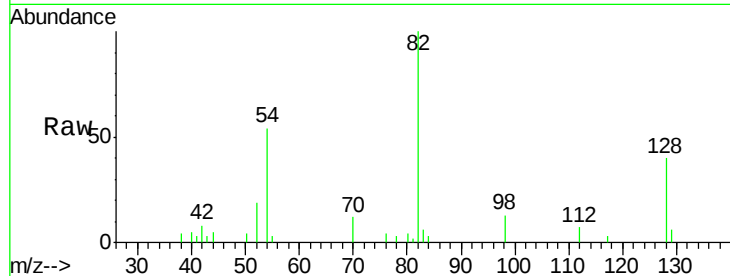
#23
Nitrobenzene-d5
Concen: 1.950 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF105349.D
Acq: 12 May 2018 20:24

Instrument :
BNA_F
ClientSampleID :
002DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.0	36.1	54.1
54	54.3	41.4	62.2

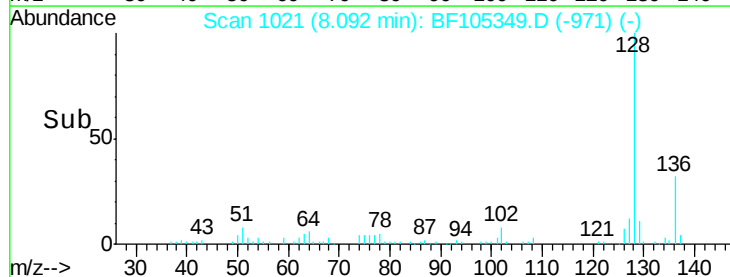
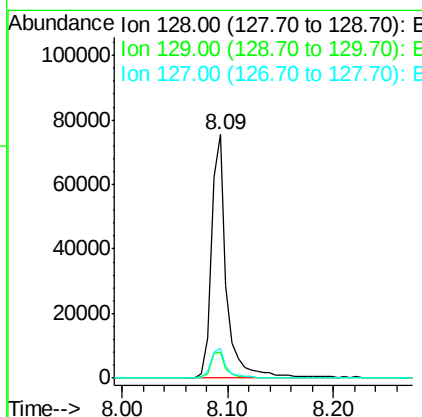
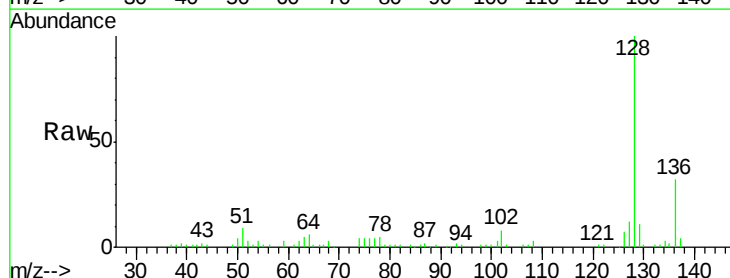
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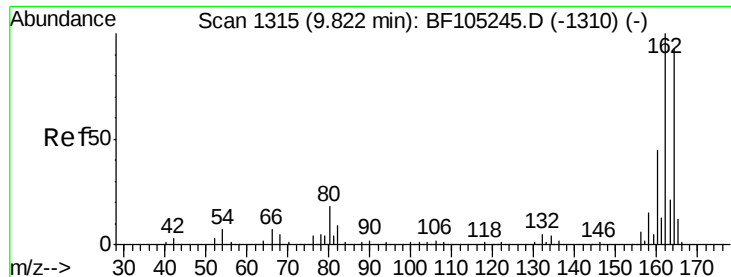
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#31
Naphthalene
Concen: 2.544 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF105349.D
Acq: 12 May 2018 20:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	12.4	10.9	16.3





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF105349.D

Acq: 12 May 2018 20:24

Instrument :

BNA_F

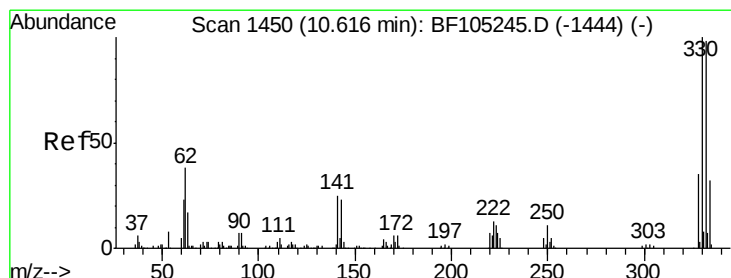
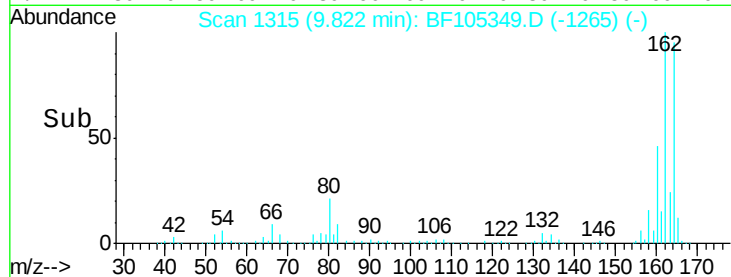
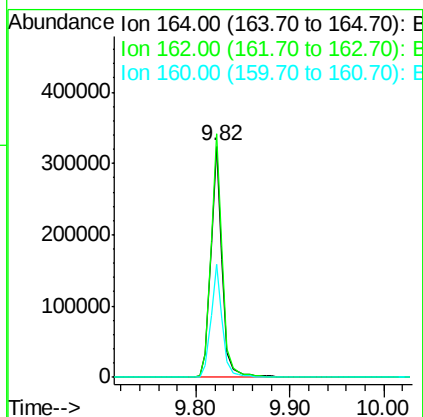
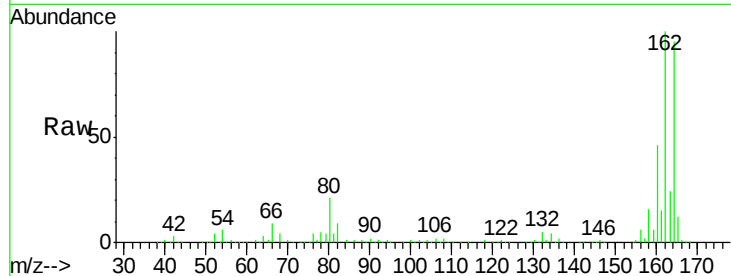
ClientSampleId :

002DL

Tot Ion:	164	Resp:	278110
Ion Ratio	Lower	Upper	
164	100		
162	105.3	86.1	129.1
160	48.8	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 1.818 ng

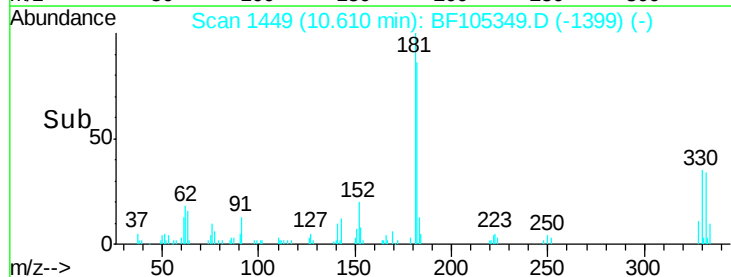
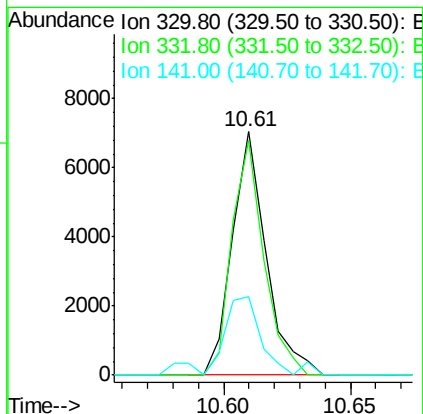
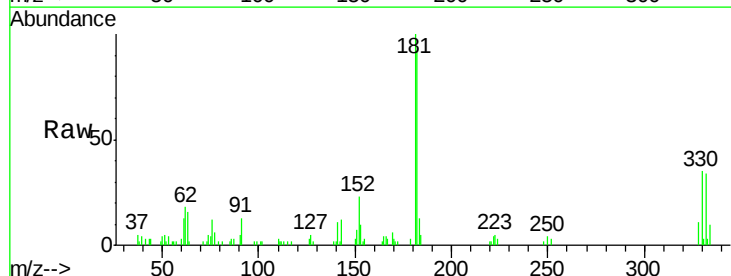
RT: 10.61 min Scan# 1449

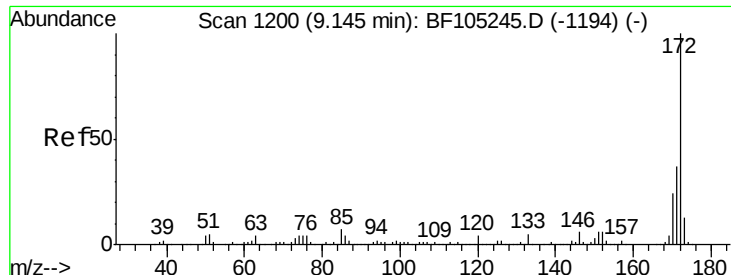
Delta R.T. -0.01 min

Lab File: BF105349.D

Acq: 12 May 2018 20:24

Tgt Ion:	330	Resp:	6534
Ion Ratio	Lower	Upper	
330	100		
332	91.3	77.0	115.6
141	39.4	29.9	44.9





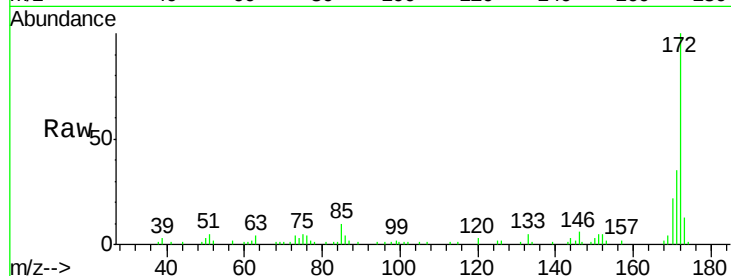
#44
2-Fluorobiphenyl
Concen: 2.532 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF105349.D
Acq: 12 May 2018 20:24

Instrument :
BNA_F
ClientSampleId :
002DL

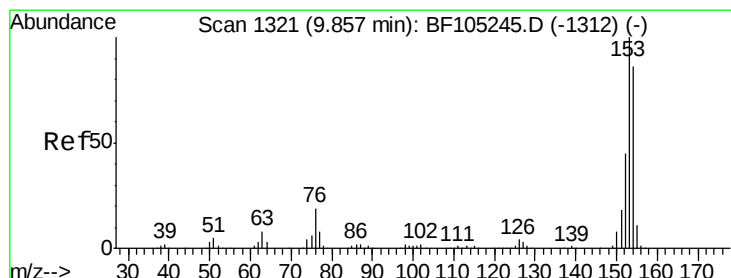
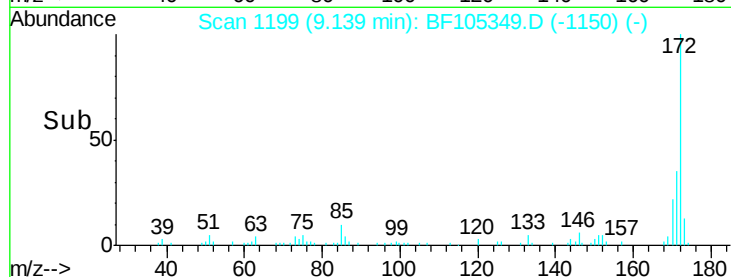
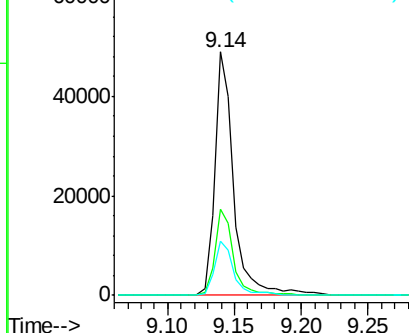
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	22.4	19.6	29.4

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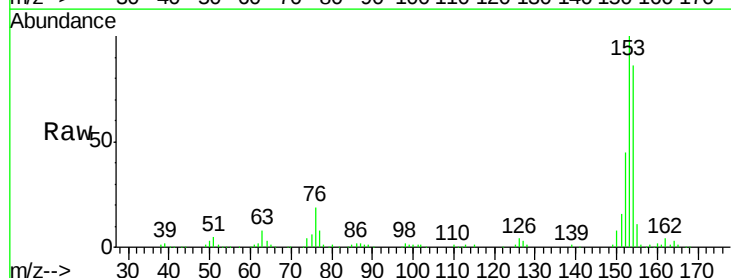


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

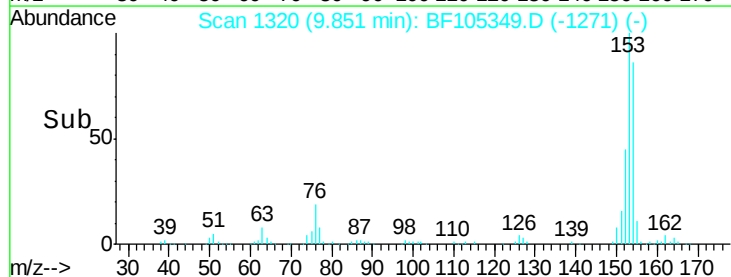
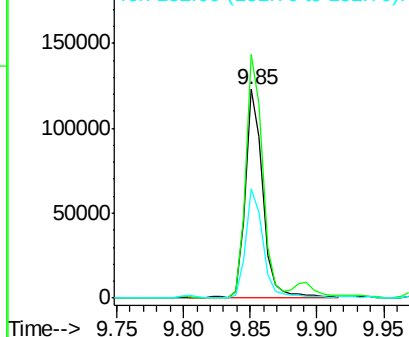


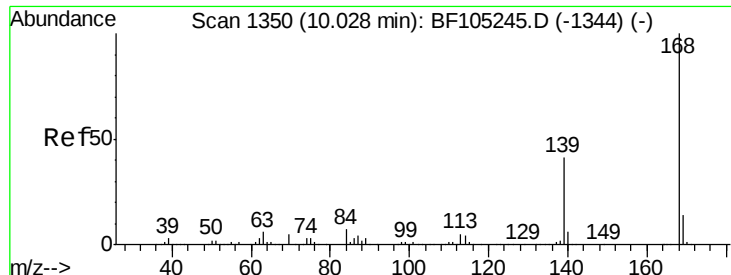
#51
Acenaphthene
Concen: 5.954 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF105349.D
Acq: 12 May 2018 20:24

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.6	91.2	136.8
152	52.6	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





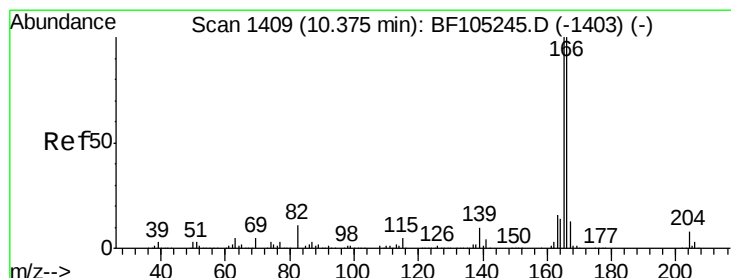
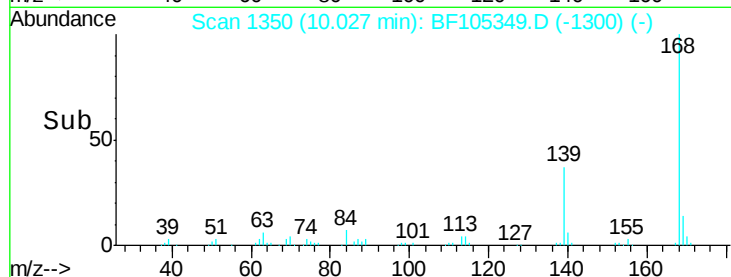
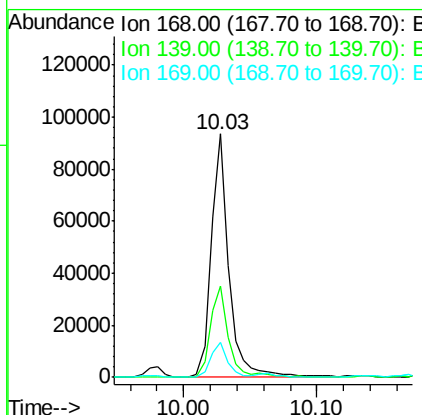
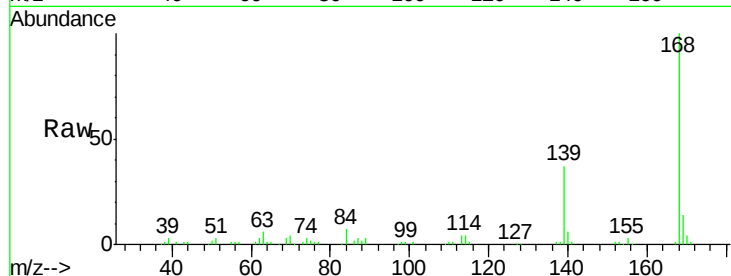
#54
Dibenzenofuran
Concen: 3.456 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF105349.D
Acq: 12 May 2018 20:24

Instrument :
BNA_F
ClientSampleId :
002DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.2	30.1	45.1
169	14.3	10.9	16.3

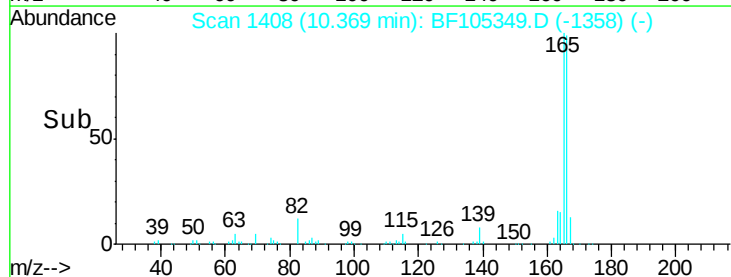
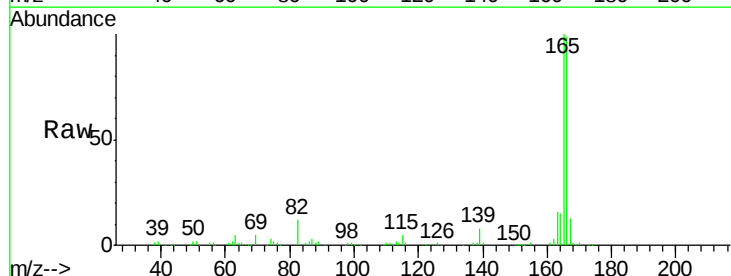
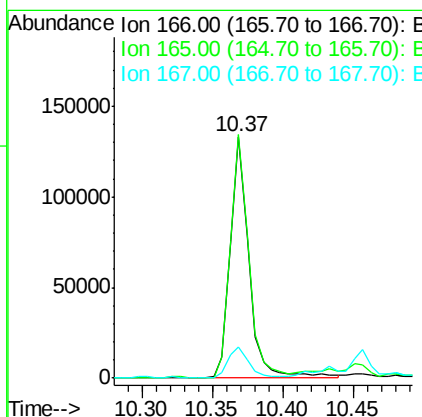
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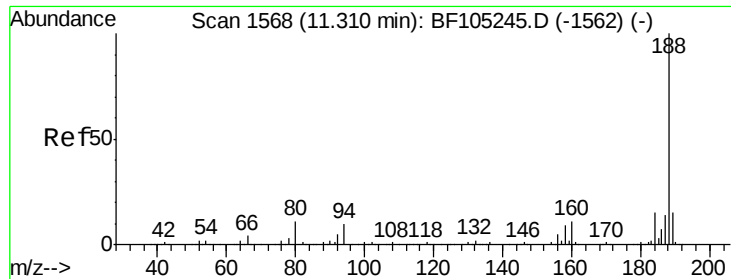
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#57
Fluorene
Concen: 6.484 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF105349.D
Acq: 12 May 2018 20:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.9	79.8	119.8
167	13.1	10.6	16.0





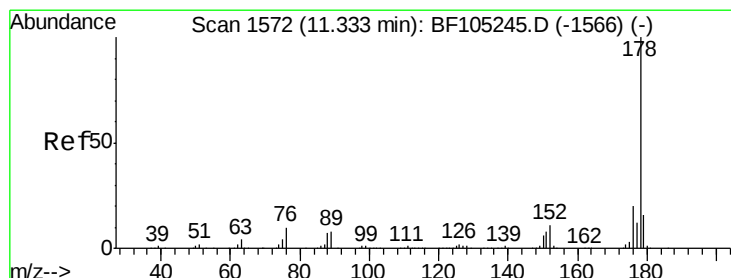
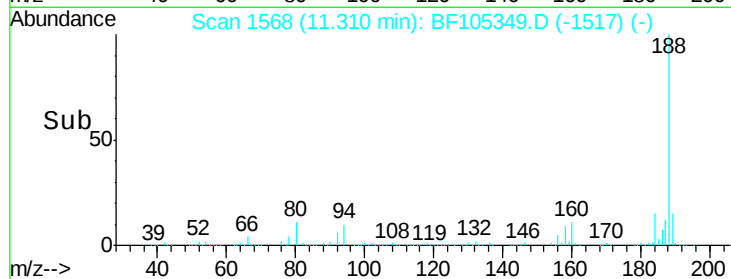
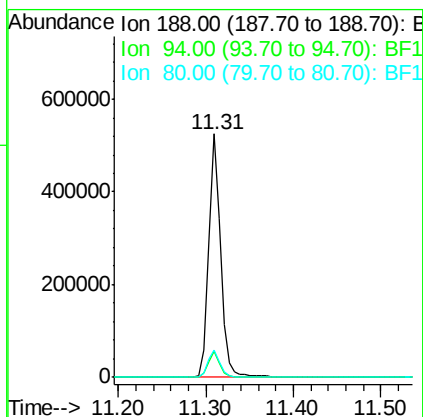
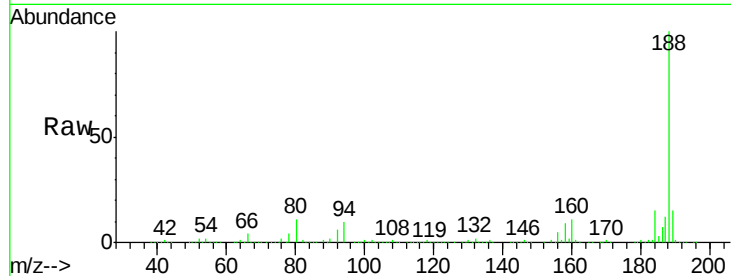
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF105349.D
 Acq: 12 May 2018 20:24

Instrument :
 BNA_F
 ClientSampleId :
 002DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	503149		
94	10.5		8.5	12.7
80	11.4		9.2	13.8

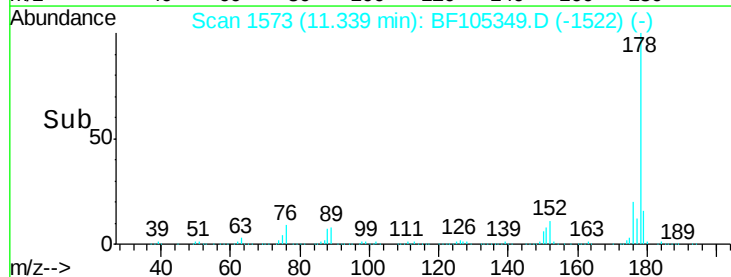
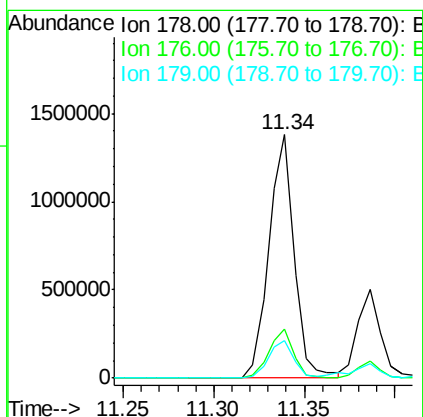
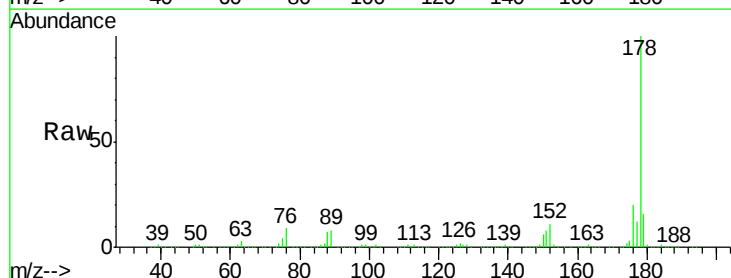
Manual Integrations
 APPROVED

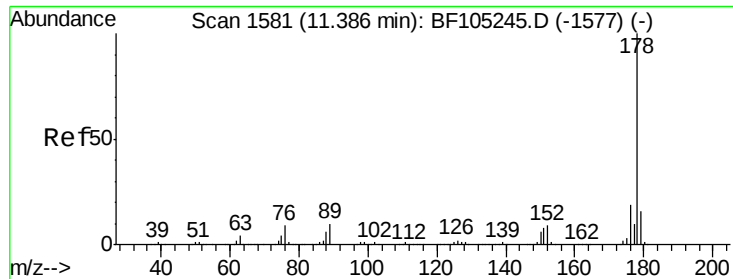
Sohil
 5/14/2018 3:19:50 PM



#70
 Phenanthrene
 Concen: 47.130 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: BF105349.D
 Acq: 12 May 2018 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1336401		
176	20.0		15.8	23.8
179	15.6		13.0	19.6





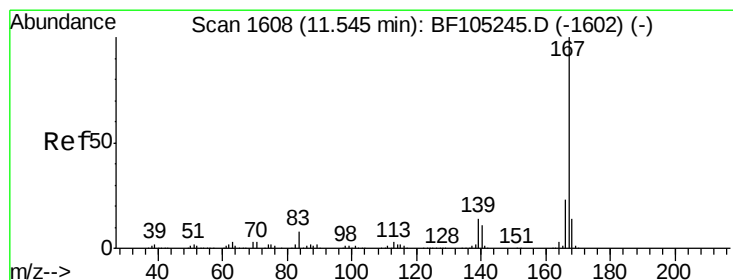
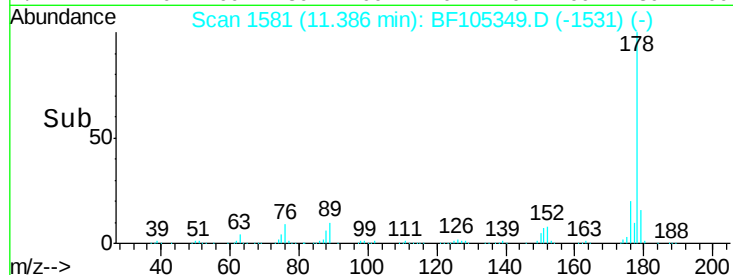
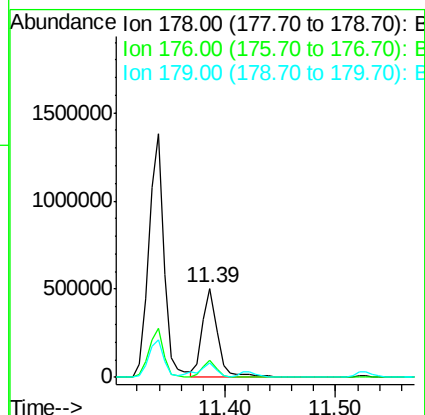
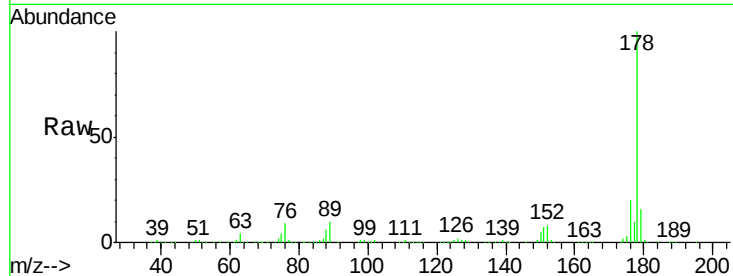
#71
 Anthracene
 Concen: 16.211 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF105349.D
 Acq: 12 May 2018 20:24

Instrument :
 BNA_F
 ClientSampleId :
 002DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	16.3	12.6	19.0

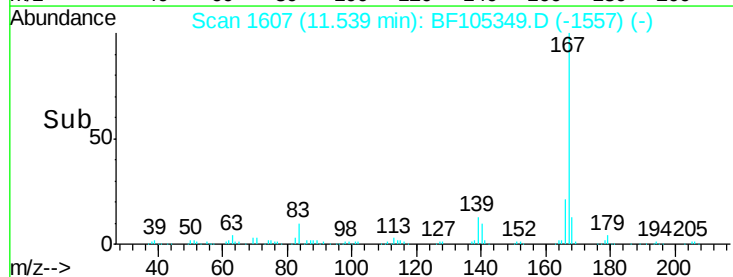
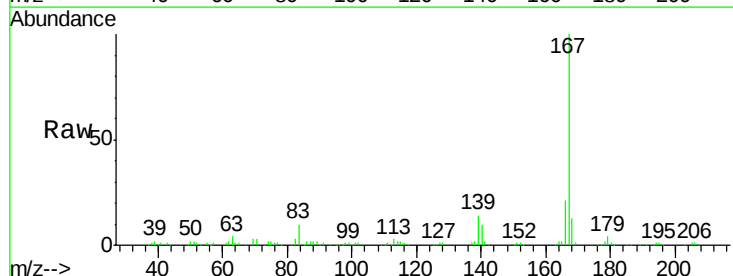
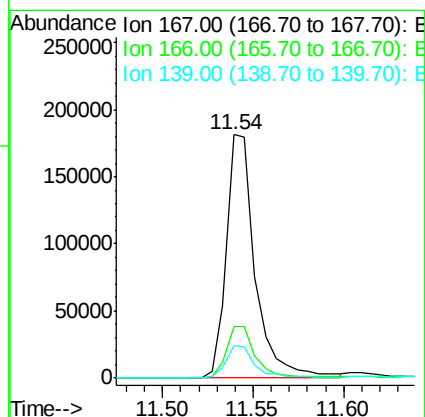
Manual Integrations
 APPROVED

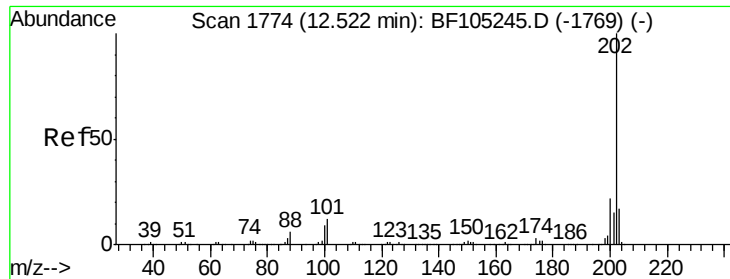
Sohil
 5/14/2018 3:19:50 PM



#72
 Carbazole
 Concen: 7.829 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF105349.D
 Acq: 12 May 2018 20:24

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.6	26.4
139	13.6	10.9	16.3





#74

Fluoranthene

Concen: 70.431 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF105349.D

Acq: 12 May 2018 20:24

Instrument :

BNA_F

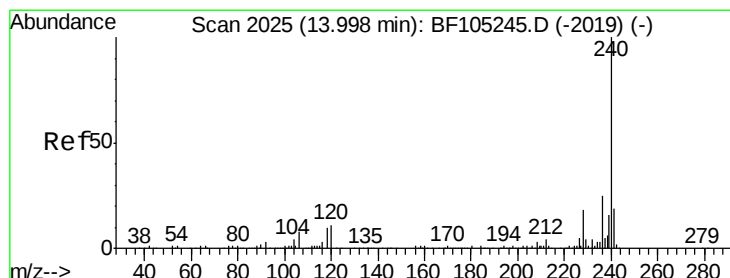
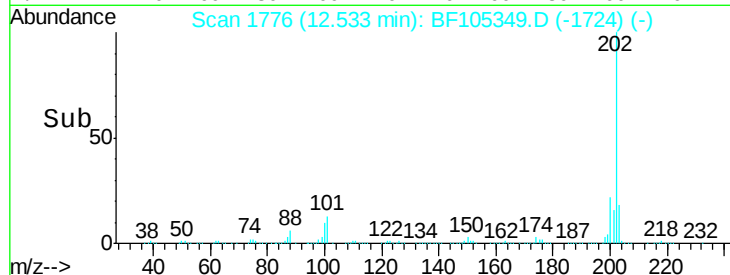
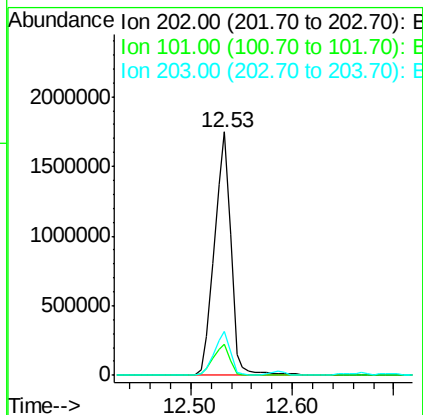
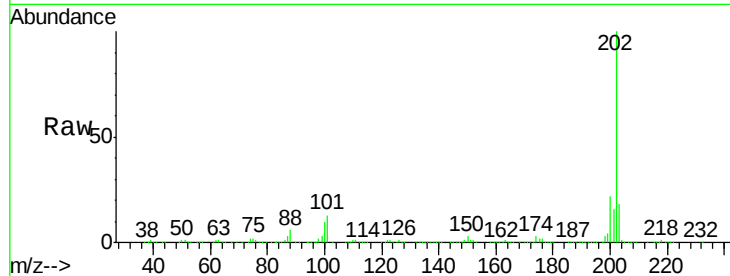
ClientSampleId :

002DL

Tot Ion:	202	Resp:	1985284
Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.1
203	18.0	0.0	38.1

Manual Integrations
APPROVED

Sohil
5/14/2018 3:19:50 PM



#75

Chrysene-d12

Concen: 20.000 ng

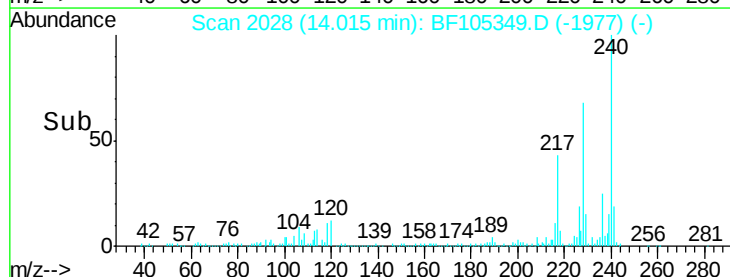
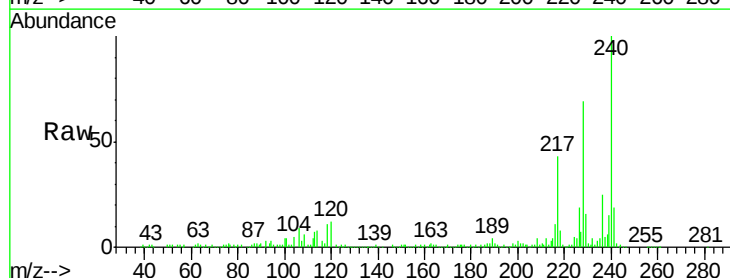
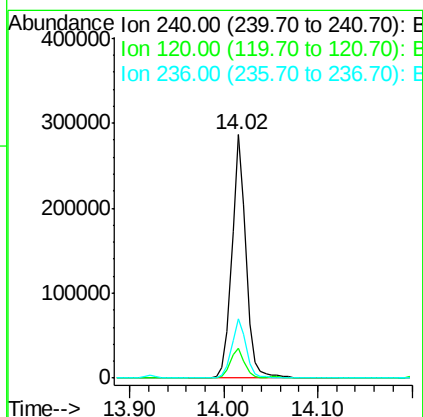
RT: 14.02 min Scan# 2028

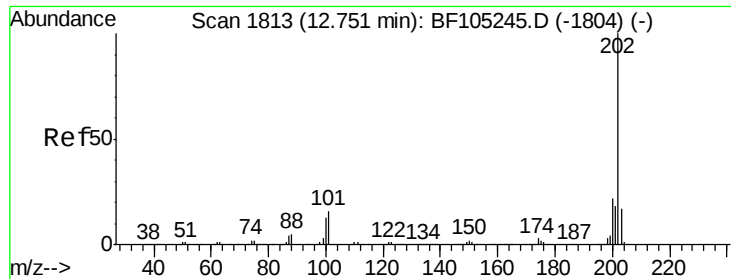
Delta R.T. 0.00 min

Lab File: BF105349.D

Acq: 12 May 2018 20:24

Tgt Ion:	240	Resp:	299774
Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.5	14.3
236	24.6	20.7	31.1





#77

Pvrene

Concen: 74.228 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF105349.D

Acq: 12 May 2018 20:24

Instrument :

BNA_F

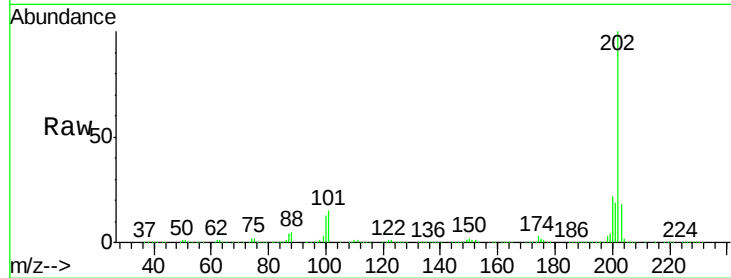
ClientSampleId :

002DL

Tot Ion:	202	Resp:	1717160
Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.0	14.3	21.5

Manual Integrations
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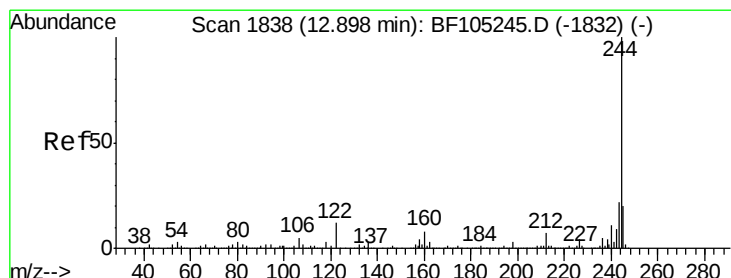
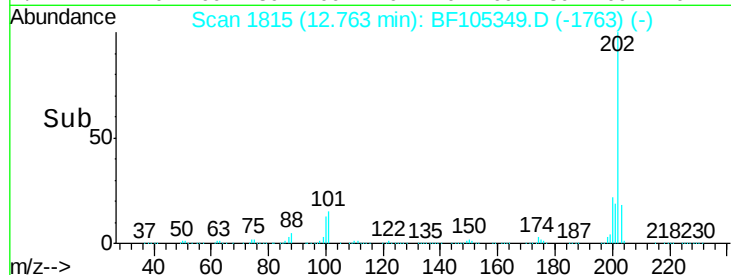
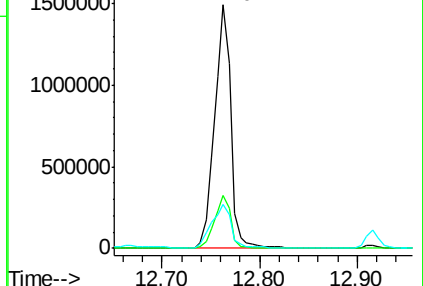
Sohil
5/14/2018 3:19:50 PM



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: 3.345 ng

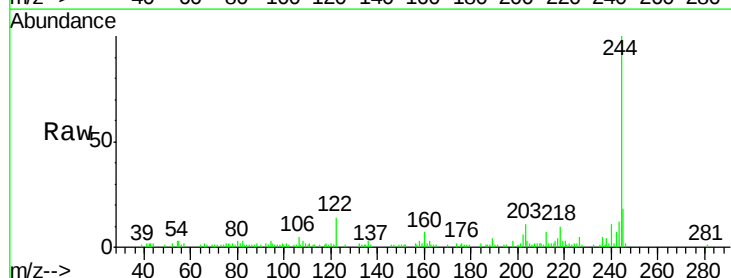
RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF105349.D

Acq: 12 May 2018 20:24

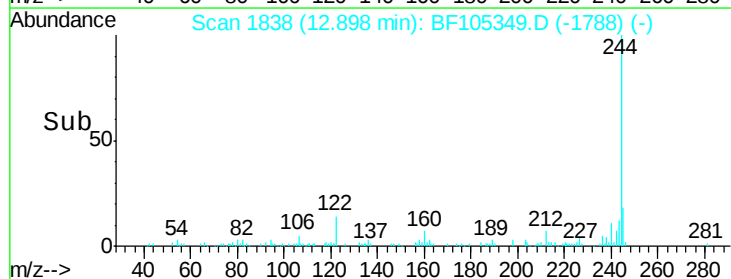
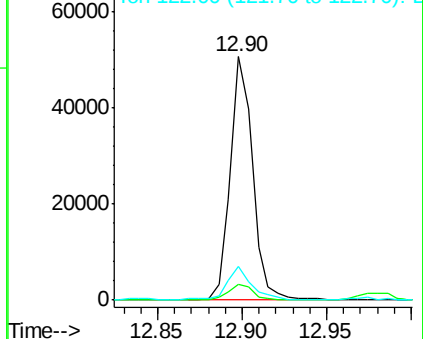
Tgt Ion:	244	Resp:	46647
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	13.8	11.0	16.4

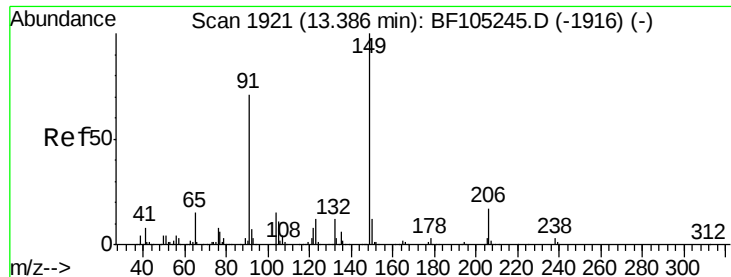


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





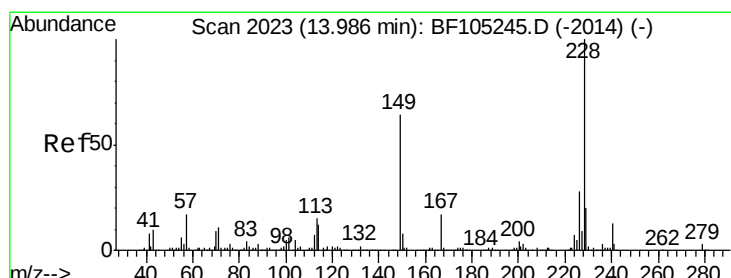
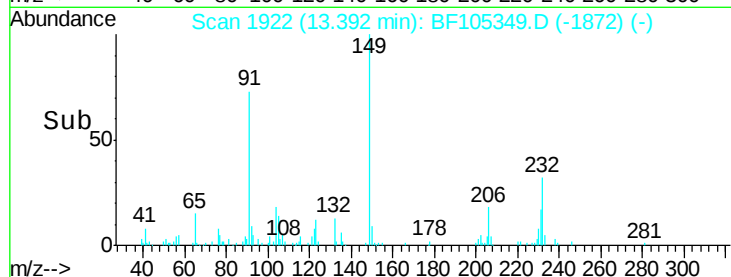
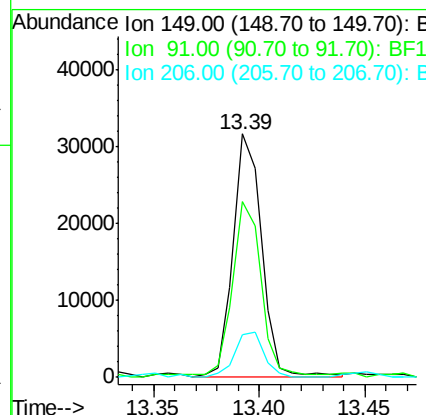
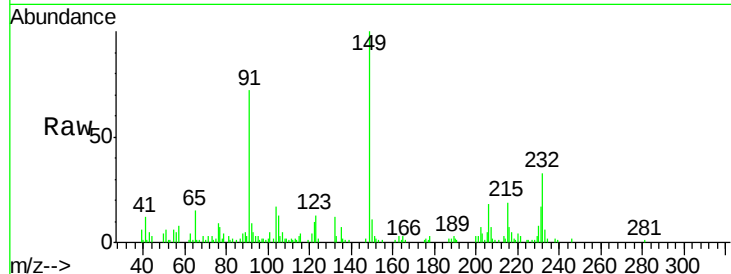
#79
Butylbenzylphthalate
Concen: 2.922 ng
RT: 13.39 min Scan# 1922
Delta R.T. -0.01 min
Lab File: BF105349.D
Acq: 12 May 2018 20:24

Instrument :
BNA_F
ClientSampleId :
002DL

Tot Ion	Ratio	Lower	Upper
149	100		
91	72.4	56.8	85.2
206	17.7	14.1	21.1

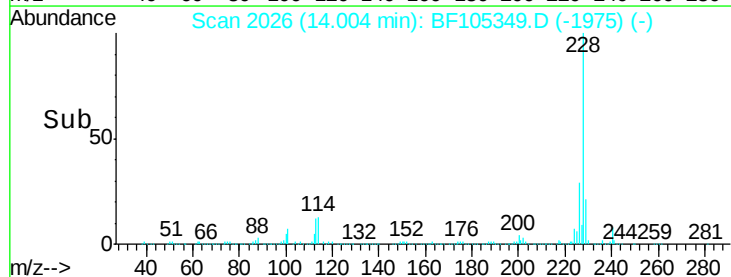
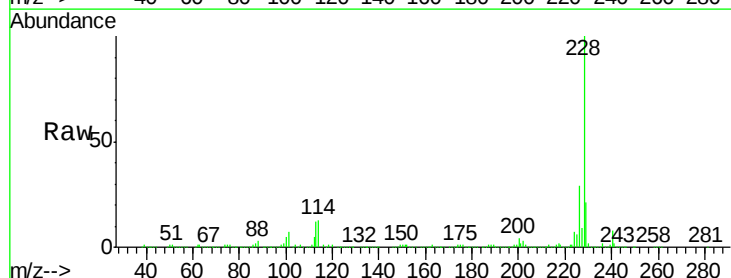
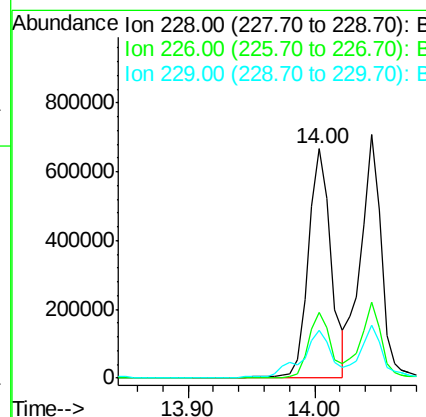
Manual Integrations
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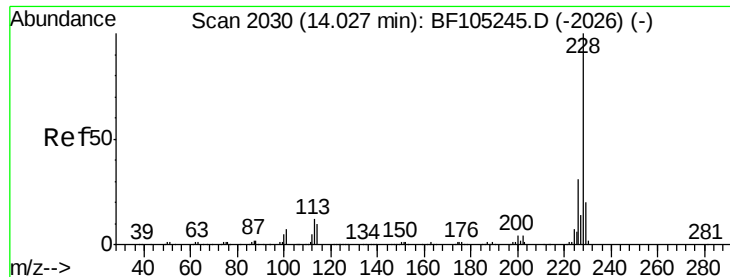
Sohil
5/14/2018 3:19:50 PM



#80
Benzo(a)anthracene
Concen: 47.190 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BF105349.D
Acq: 12 May 2018 20:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	21.0	15.8	23.6





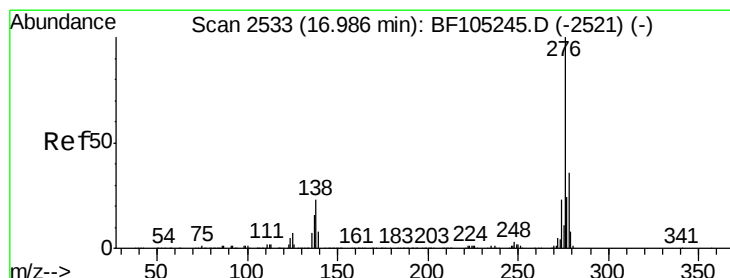
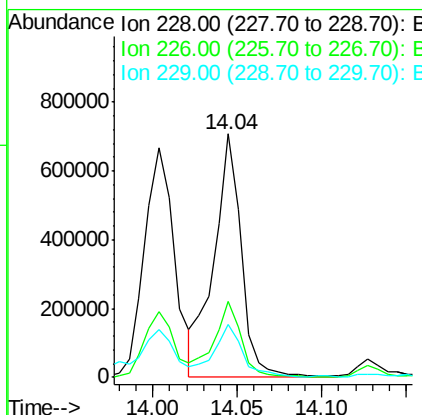
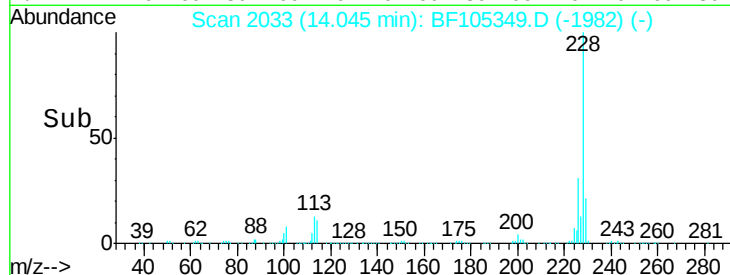
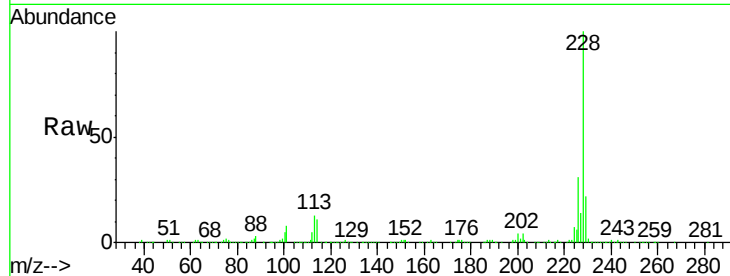
#82
Chrysene
Concen: 46.705 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BF105349.D
Acq: 12 May 2018 20:24

Instrument :
BNA_F
ClientSampled :
002DL

Tot Ion:228	Resp:	805468
Ion Ratio	Lower	Upper
228 100		
226 31.3	25.0	37.6
229 21.7	16.2	24.4

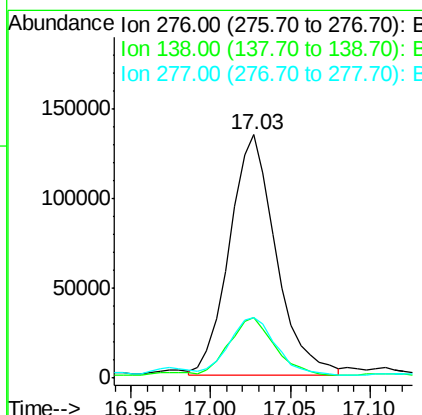
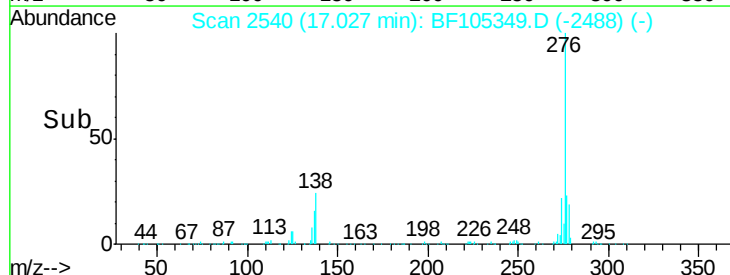
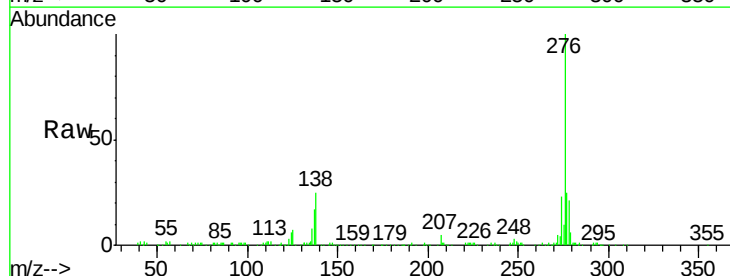
Manual Integrations
APPROVED

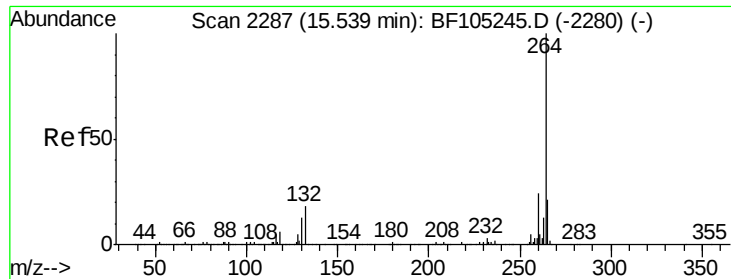
Sohil
5/14/2018 3:19:50 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 17.290 ng m
RT: 17.03 min Scan# 2540
Delta R.T. 0.01 min
Lab File: BF105349.D
Acq: 12 May 2018 20:24

Tgt Ion:276	Resp:	271489
Ion Ratio	Lower	Upper
276 100		
138 5.6	25.0	37.6#
277 4.9	20.1	30.1#





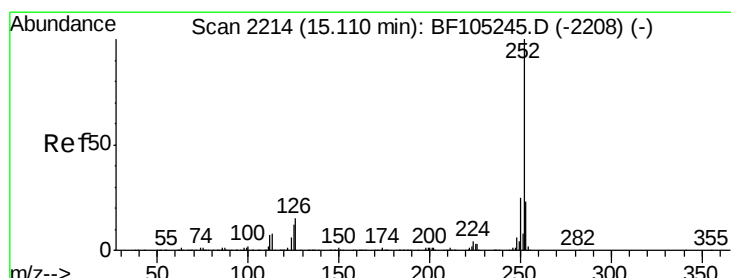
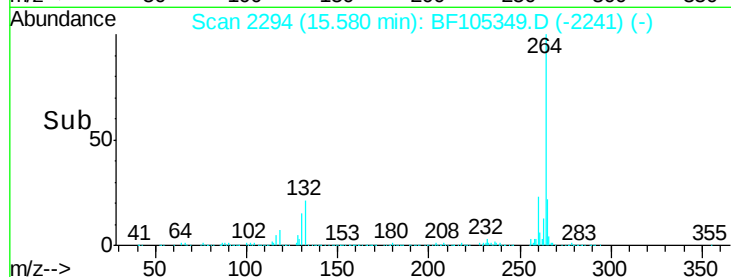
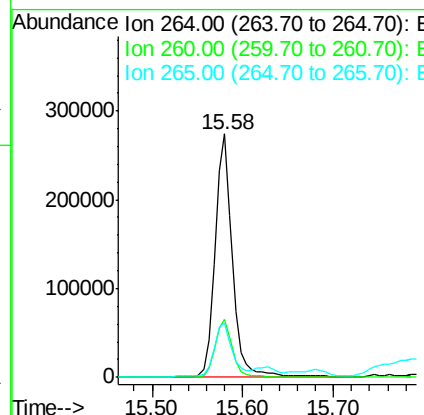
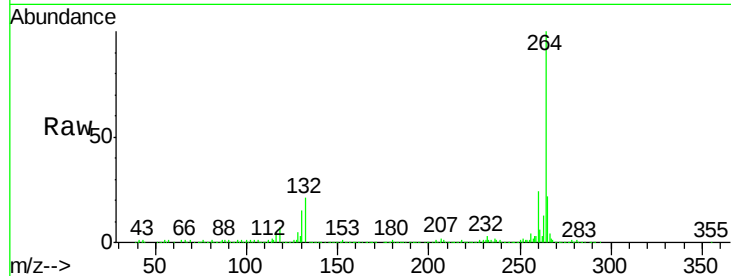
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF105349.D
Acq: 12 May 2018 20:24

Instrument :
BNA_F
ClientSampleId :
002DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.2	17.5	26.3

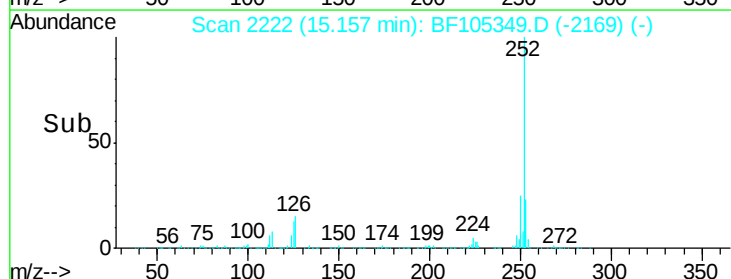
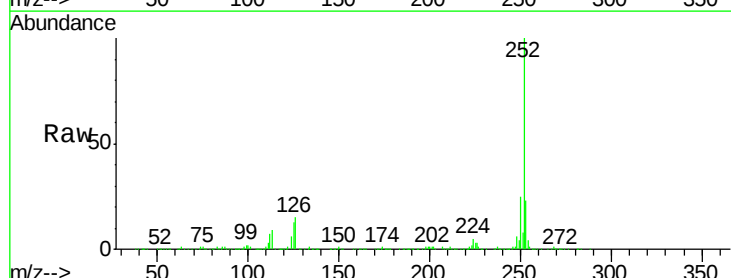
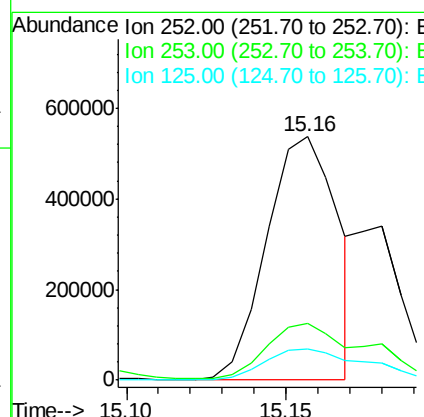
Manual Integrations
APPROVED

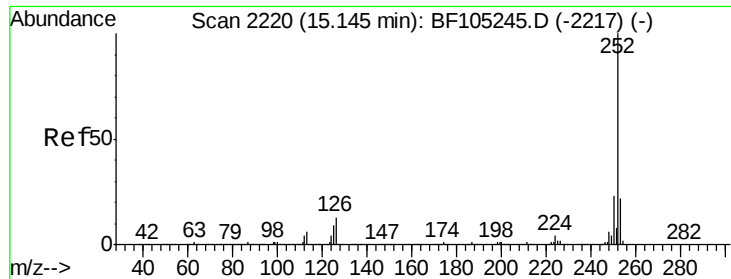
Sohil
5/14/2018 3:19:50 PM



#87
Benzo(b)fluoranthene
Concen: 38.342 ng m
RT: 15.16 min Scan# 2222
Delta R.T. 0.01 min
Lab File: BF105349.D
Acq: 12 May 2018 20:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	13.0	9.0	13.6





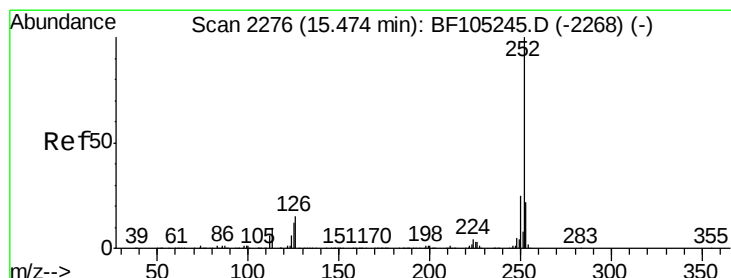
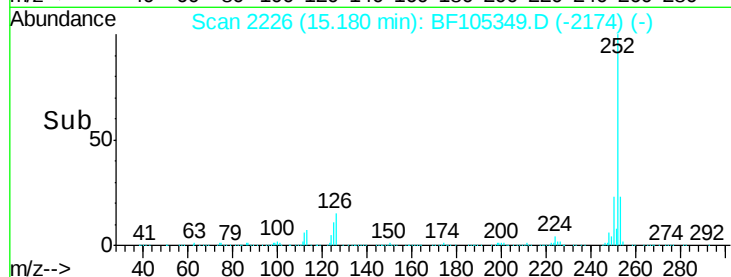
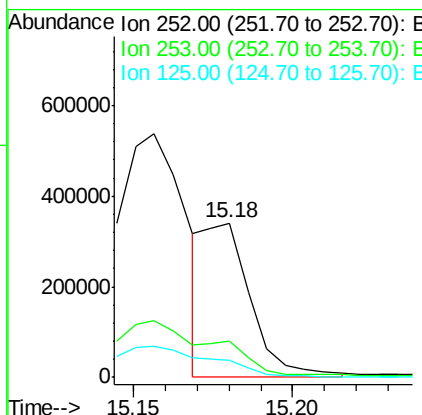
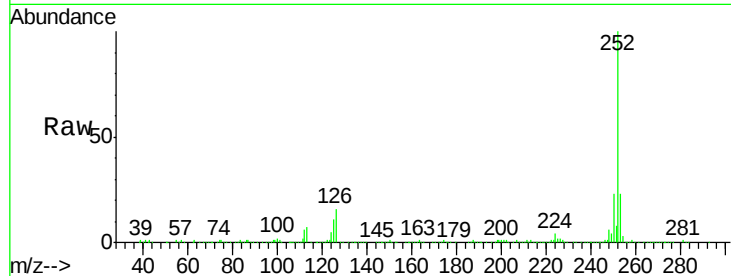
#88
Benzo(k)fluoranthene
Concen: 16.537 ng m
RT: 15.18 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BF105349.D
Acq: 12 May 2018 20:24

Instrument :
BNA_F
ClientSampleId :
002DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	10.8	10.2	15.2

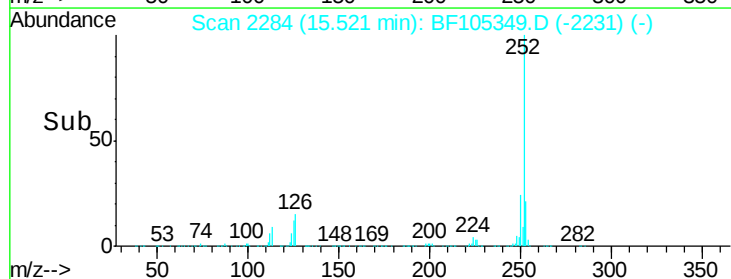
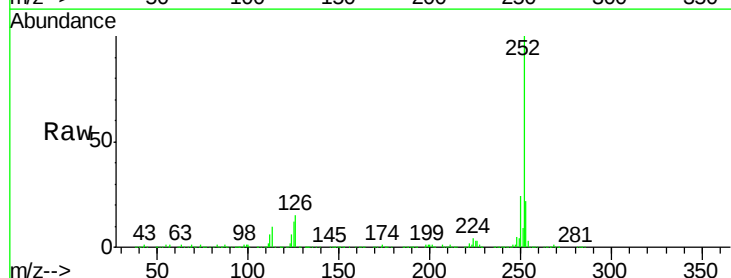
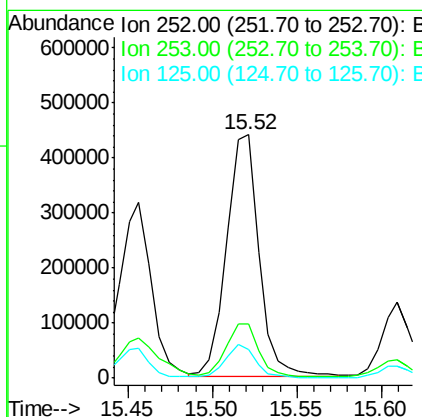
Manual Integrations
APPROVED

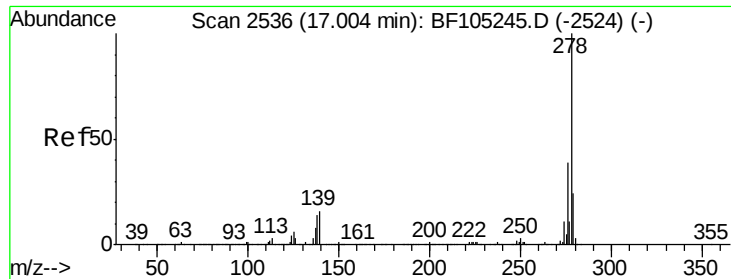
Sohil
5/14/2018 3:19:50 PM



#89
Benzo(a)pyrene
Concen: 29.209 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF105349.D
Acq: 12 May 2018 20:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	11.7	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 4.325 ng

RT: 17.04 min Scan# 2542

Delta R.T. -0.01 min

Lab File: BF105349.D

Acq: 12 May 2018 20:24

Instrument :

BNA_F

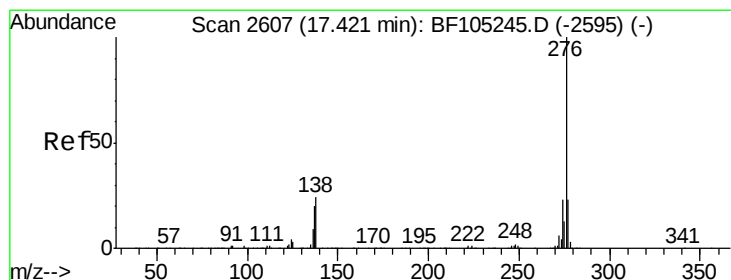
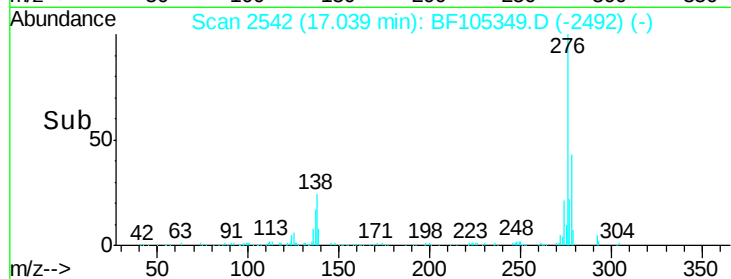
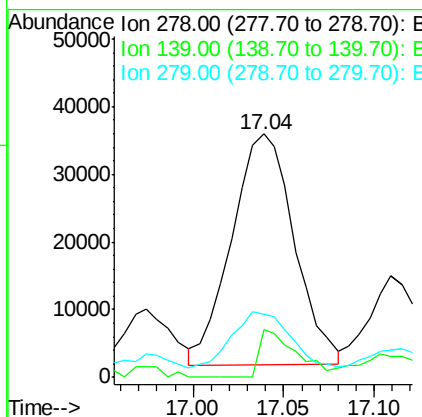
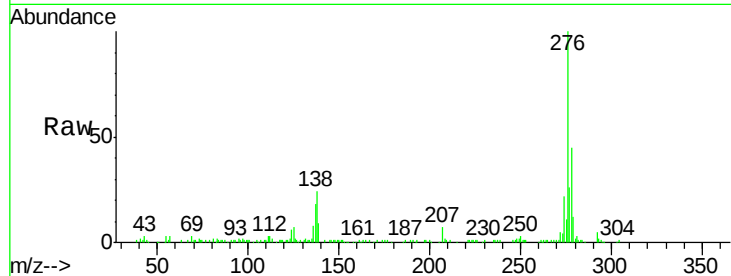
ClientSampled :

002DL

Tot Ion:	278	Resp:	81867
Ion	Ratio	Lower	Upper
278	100		
139	19.4	15.9	23.9
279	26.1	19.0	28.4

Manual Integrations
APPROVED

Sohil
5/14/2018 3:19:50 PM



#91

Benzo(g,h,i)perylene

Concen: 13.022 ng

RT: 17.46 min Scan# 2614

Delta R.T. 0.00 min

Lab File: BF105349.D

Acq: 12 May 2018 20:24

Tgt Ion:	276	Resp:	236904
Ion	Ratio	Lower	Upper
276	100		
277	22.7	17.9	26.9
138	24.3	21.8	32.8

