

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100917\
 Data File : BF099274.D
 Acq On : 9 Oct 2017 20:45
 Operator : SJ/JU
 Sample : I5708-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-100517

Manual Integrations
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Sohil
 10/10/2017 5:00:32 PM

Quant Time: Oct 10 02:11:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	109421	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	443354	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	190258	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	287801	20.00	ng	0.00
75) Chrysene-d12	14.03	240	198727	20.00	ng	0.00
86) Perylene-d12	15.51	264	194172	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	145063	21.10	ng	0.00
7) Phenol-d6	6.49	99	174624	20.59	ng	-0.01
23) Nitrobenzene-d5	7.42	82	97667	14.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	28554	18.34	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	211849	18.59	ng	-0.01
78) Terphenyl-d14	12.96	244	133047	15.23	ng	-0.01
Target Compounds						
57) Fluorene	10.45	166	47007	3.690	ng	97
70) Phenanthrene	11.41	178	340477	22.101	ng	98
71) Anthracene	11.46	178	79049	5.015	ng	94
74) Fluoranthene	12.60	202	378770	24.281	ng	99
77) Pyrene	12.83	202	343377	22.660	ng	98
80) Benzo(a)anthracene	14.02	228	154569	12.845	ng	99
82) Chrysene	14.05	228	145186	12.673	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	62865	6.860	ng	98
87) Benzo(b)fluoranthene	15.07	252	184414m	15.447	ng	
88) Benzo(k)fluoranthene	15.10	252	53458m	4.534	ng	
89) Benzo(a)pyrene	15.44	252	131129	11.966	ng	# 95
90) Dibenzo(a,h)anthracene	17.00	278	17567	2.003	ng	# 82
91) Benzo(a,h,i)perylene	17.44	276	60336	6.960	ng	95

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

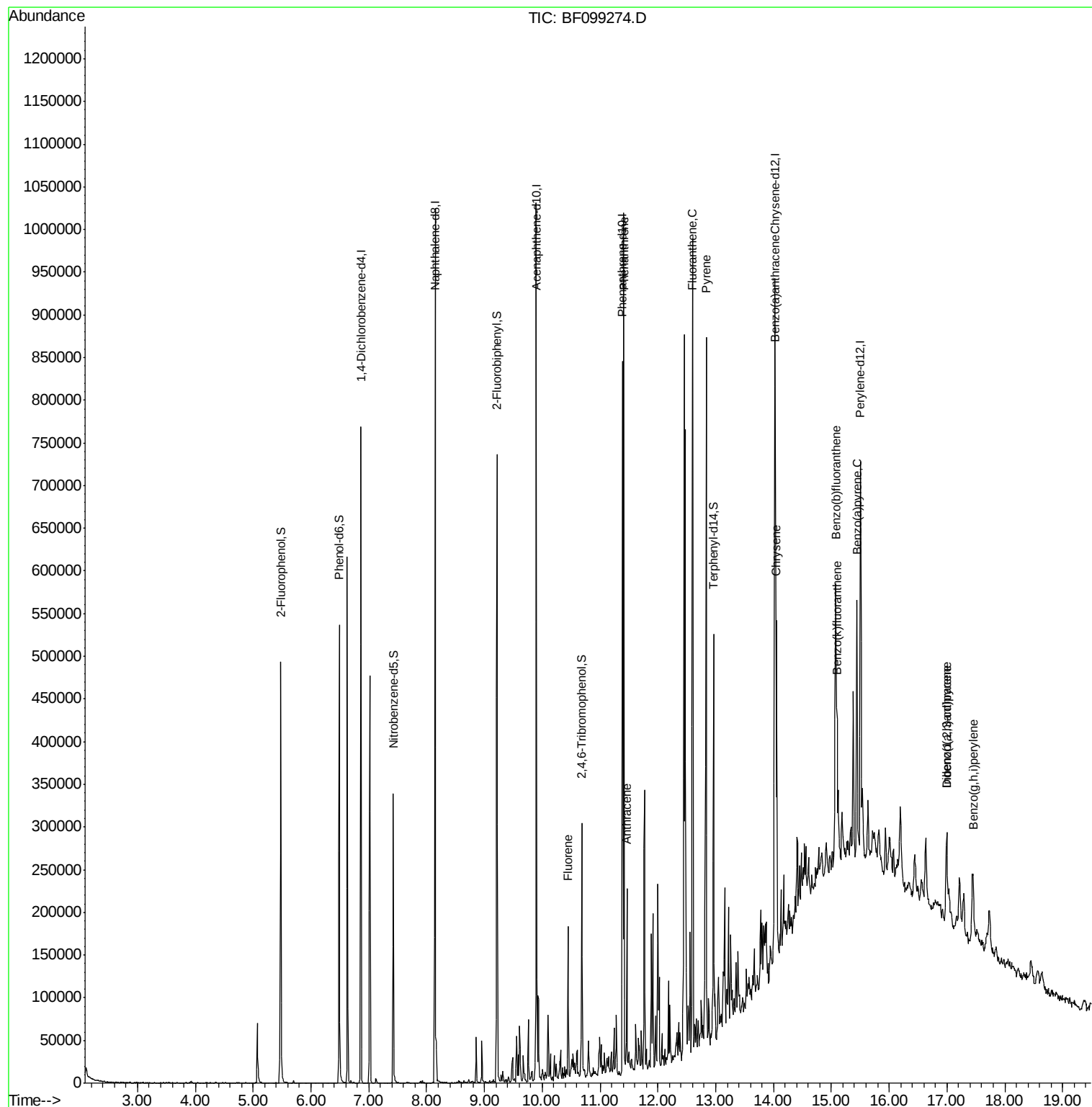
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100917\
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Misc :
ALS Vial : 17 Sample Multiplier: 1

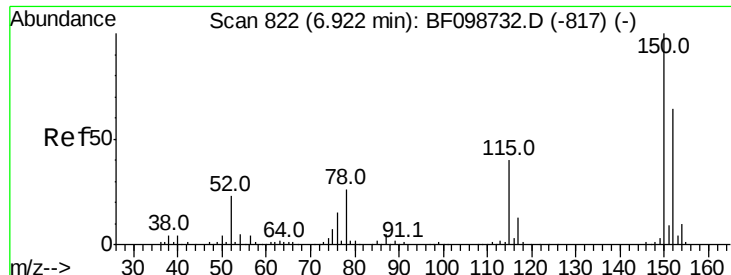
Instrument :
BNA_F
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NB-08-100517

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#1

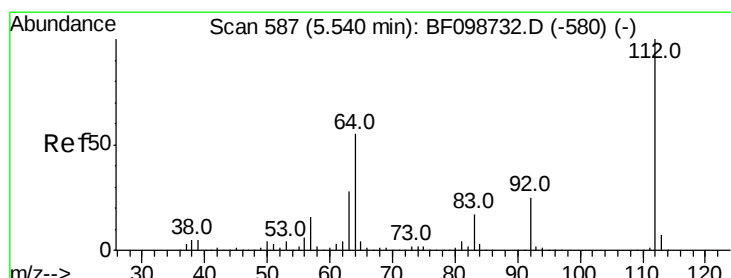
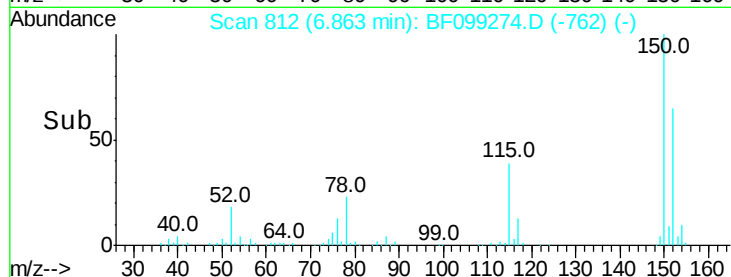
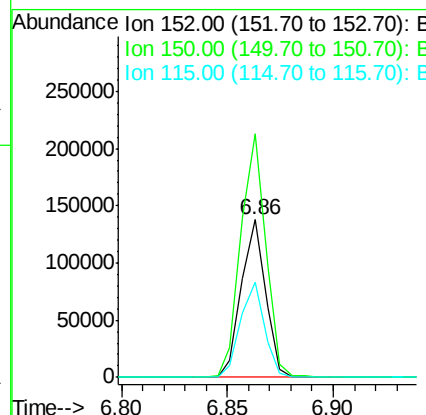
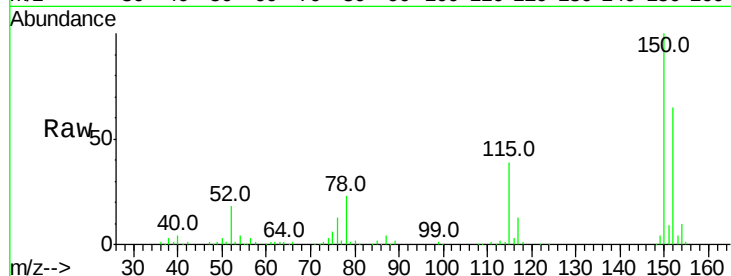
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099274.D
Acq: 9 Oct 2017 20:45

Instrument :
BNA_F
ClientSampleId :
NB-08-100517

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	60.6	50.1	75.1

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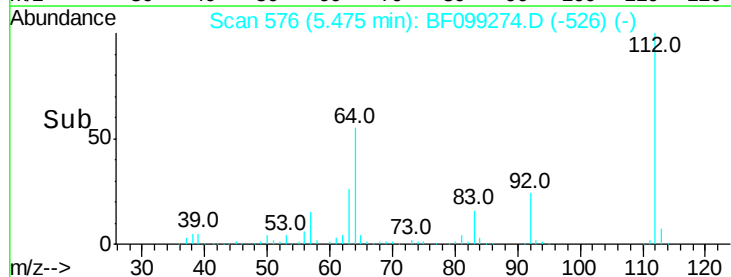
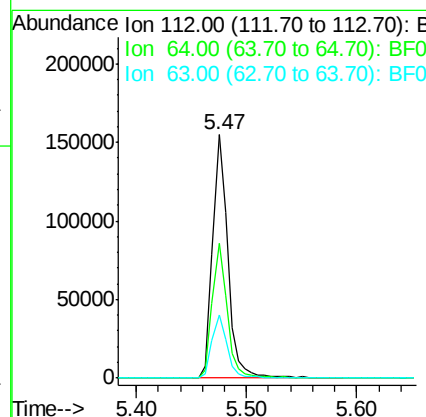
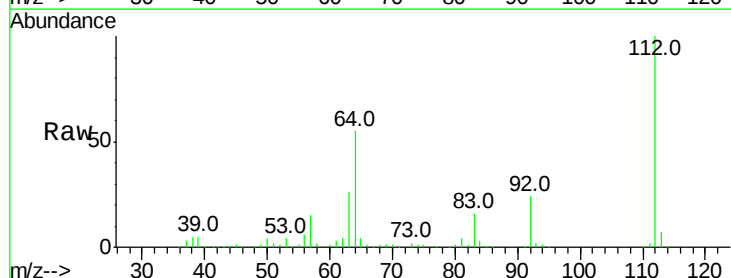
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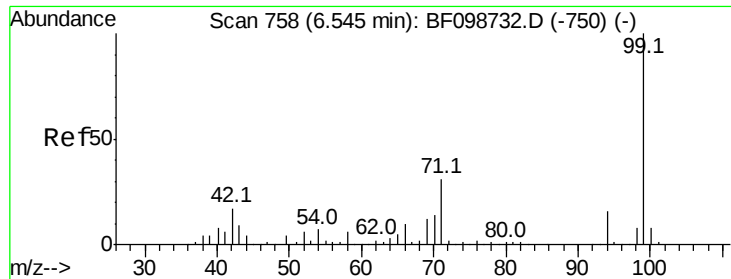


#5

2-Fluorophenol
Concen: 21.104 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF099274.D
Acq: 9 Oct 2017 20:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	47.9	71.9
63	25.9	23.7	35.5





#7

Phenol-d6

Concen: 20.594 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF099274.D

Acq: 9 Oct 2017 20:45

Instrument :

BNA_F

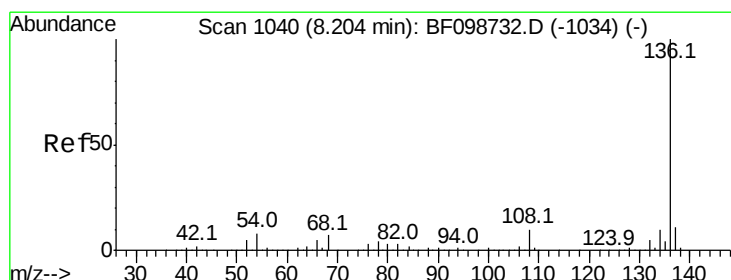
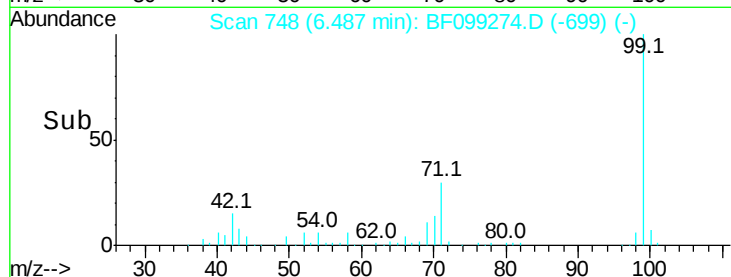
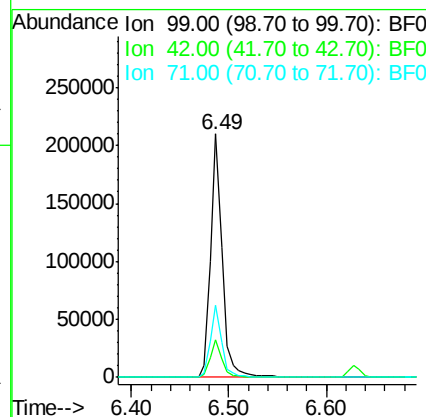
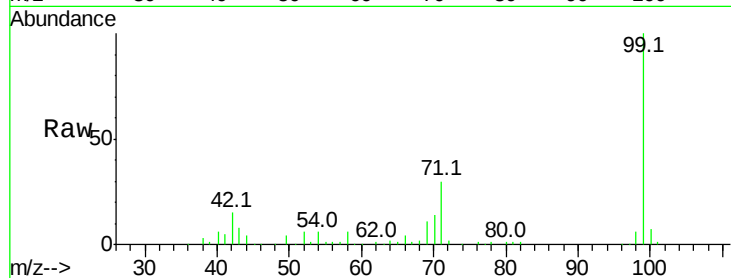
ClientSampled :

NB-08-100517

Tot Ion:	99	Resp:	174624
Ion	Ratio	Lower	Upper
99	100		
42	15.3	14.5	21.7
71	29.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

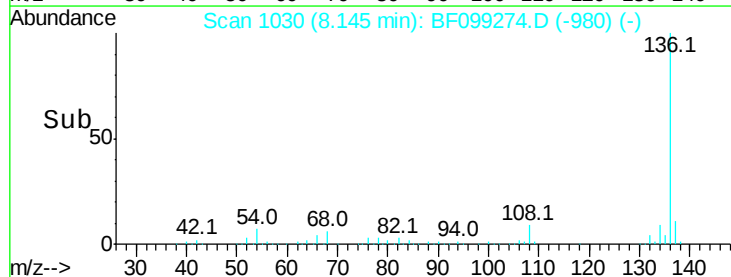
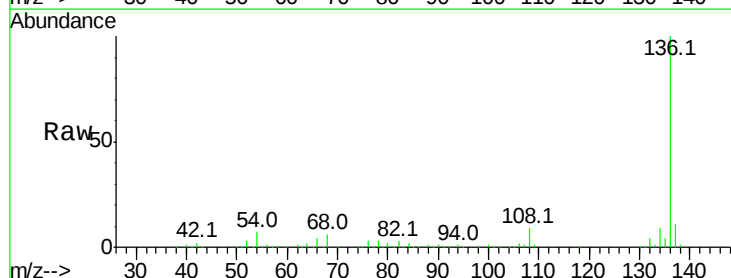
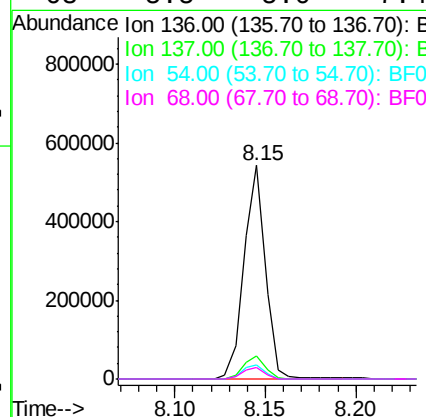
RT: 8.15 min Scan# 1030

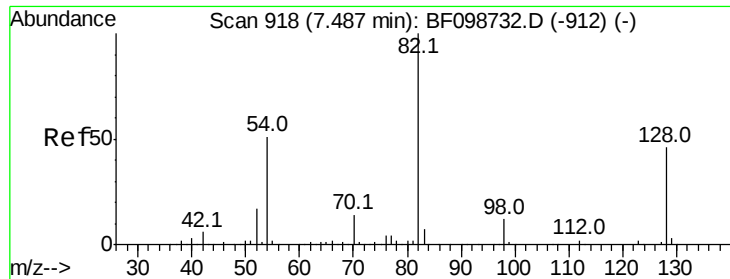
Delta R.T. -0.01 min

Lab File: BF099274.D

Acq: 9 Oct 2017 20:45

Tgt Ion:	136	Resp:	443354
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.8	6.6	9.8
68	5.5	5.0	7.4





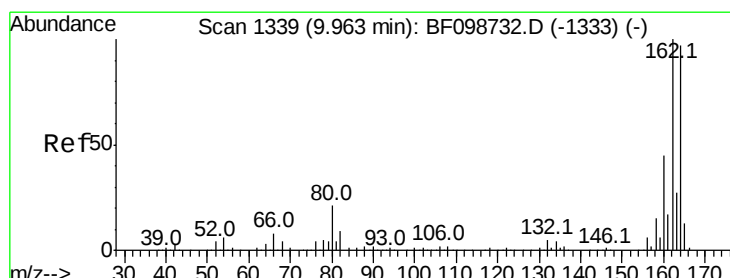
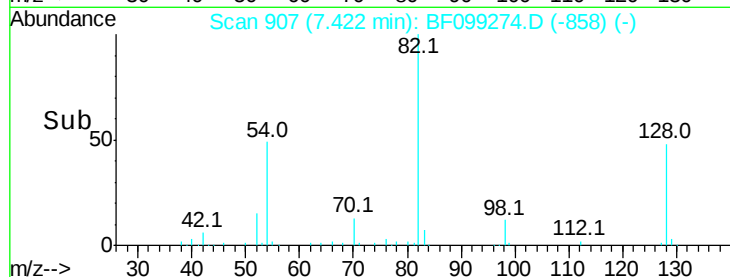
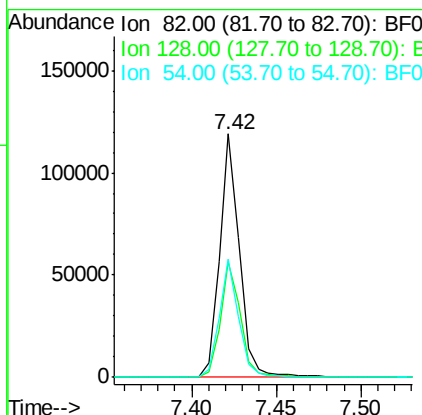
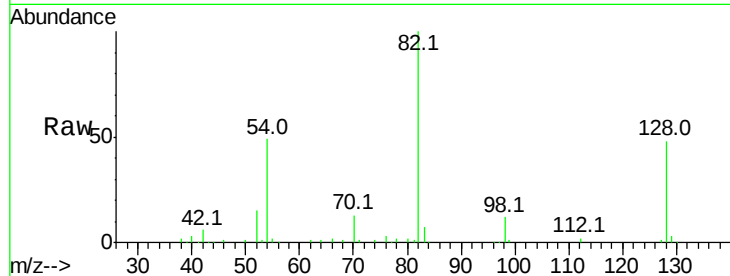
#23
Nitrobenzene-d5
Concen: 14.127 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF099274.D
Acq: 9 Oct 2017 20:45

Instrument :
BNA_F
ClientSampleId :
NB-08-100517

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.7	36.1	54.1
54	48.5	41.4	62.2

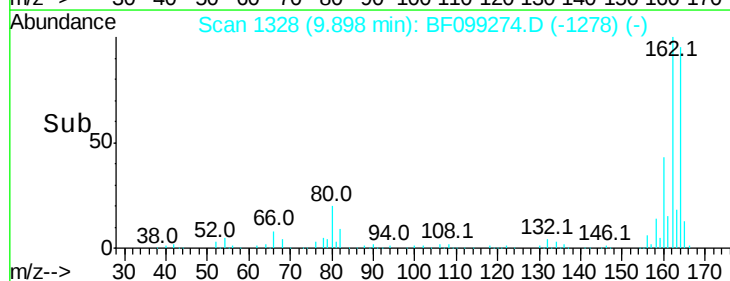
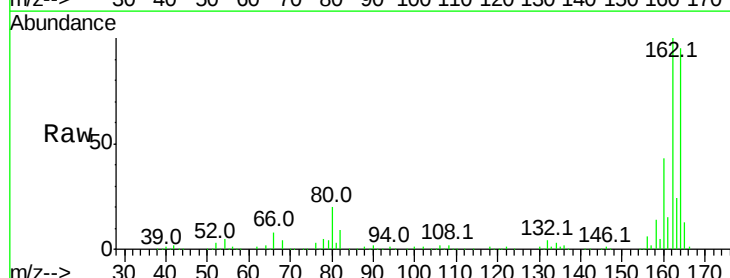
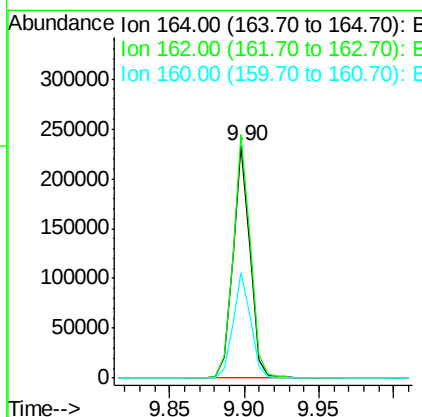
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099274.D
Acq: 9 Oct 2017 20:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	86.1	129.1
160	45.4	38.3	57.5





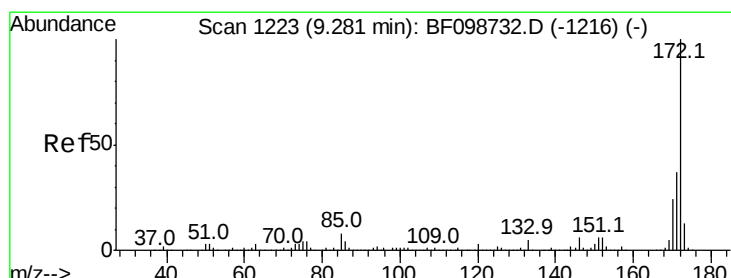
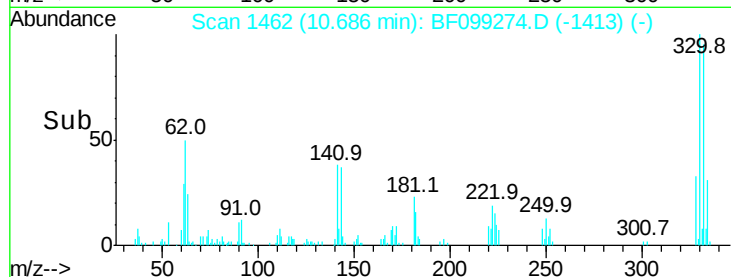
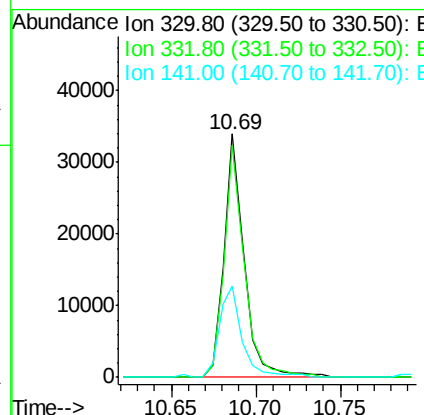
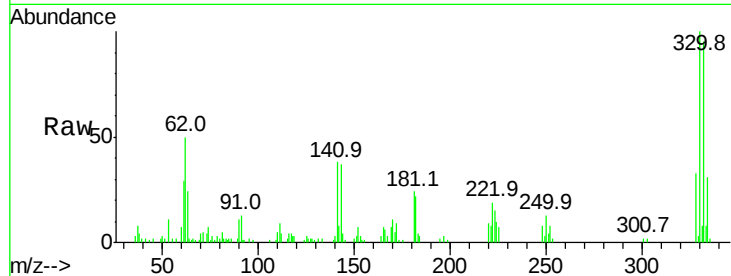
#41
 2,4,6-Tribromophenol
 Concen: 18.341 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF099274.D
 Acq: 9 Oct 2017 20:45

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-100517

Tot Ion	Ratio	Resp	Lower	Upper
330	100	28554		
332	95.6	77.0	115.6	
141	42.7	29.9	44.9	

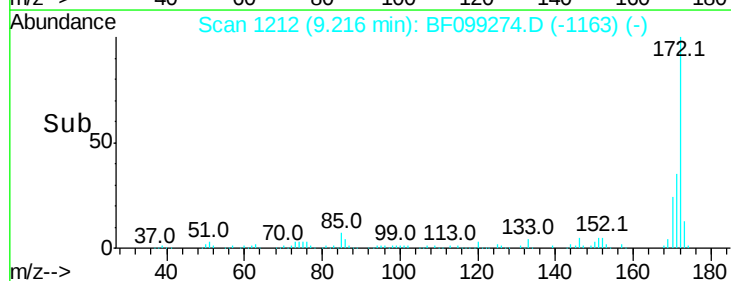
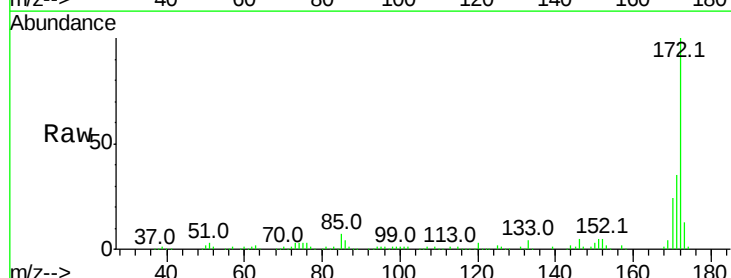
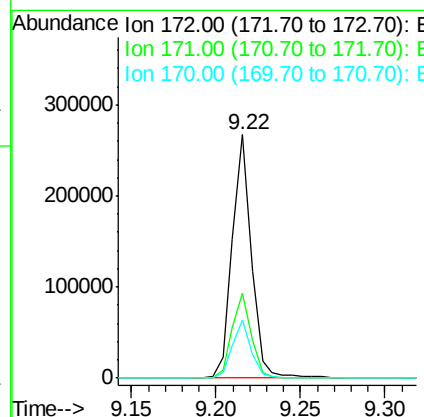
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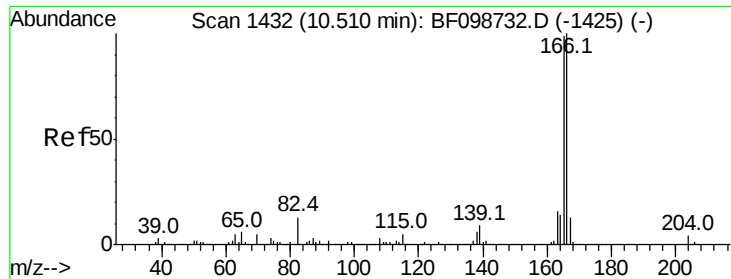
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#44
 2-Fluorobiphenyl
 Concen: 18.589 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099274.D
 Acq: 9 Oct 2017 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	211849		
171	34.9	29.7	44.5	
170	23.7	19.6	29.4	





#57

Fluorene

Concen: 3.690 ng

RT: 10.45 min Scan# 1421

Delta R.T. -0.01 min

Lab File: BF099274.D

Acq: 9 Oct 2017 20:45

Instrument :

BNA_F

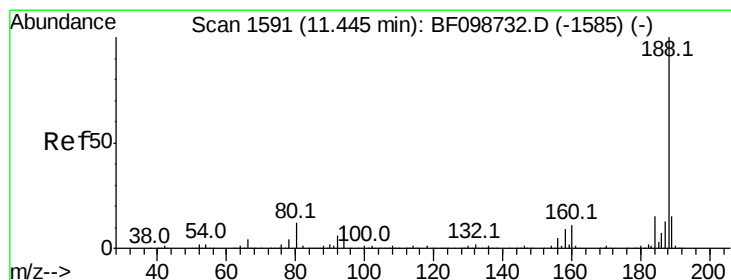
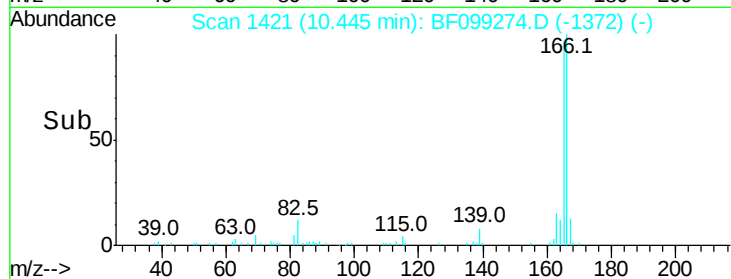
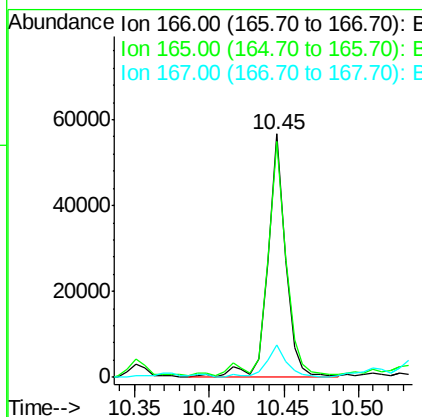
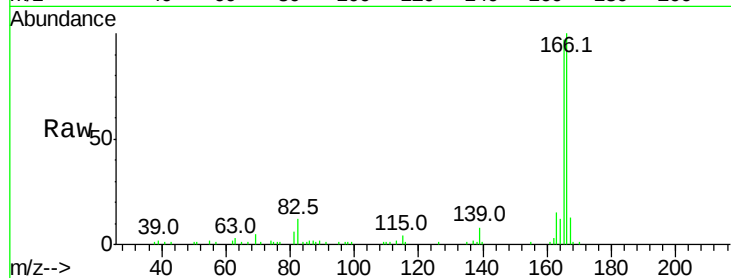
ClientSampleId :

NB-08-100517

Tot Ion:	166	Resp:	47007
Ion Ratio	Lower	Upper	
166	100		
165	96.8	79.8	119.8
167	13.2	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

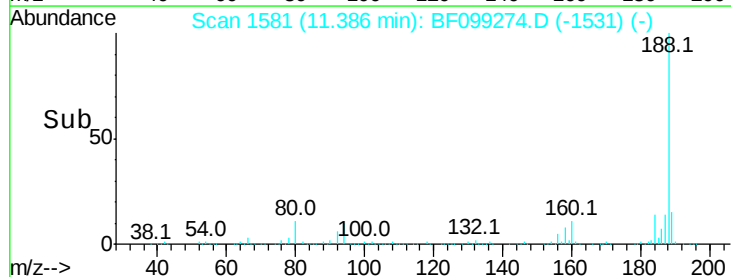
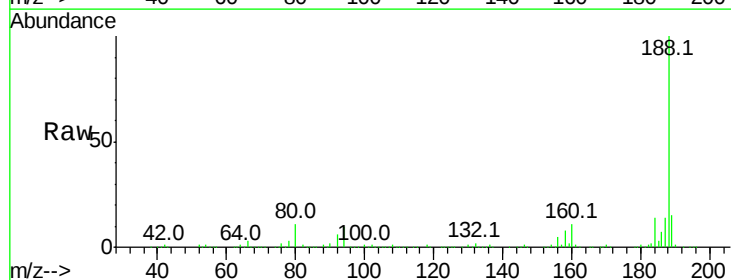
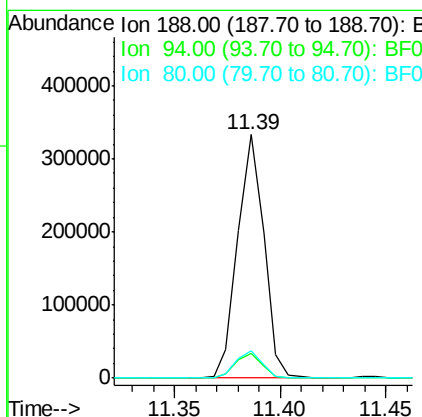
RT: 11.39 min Scan# 1581

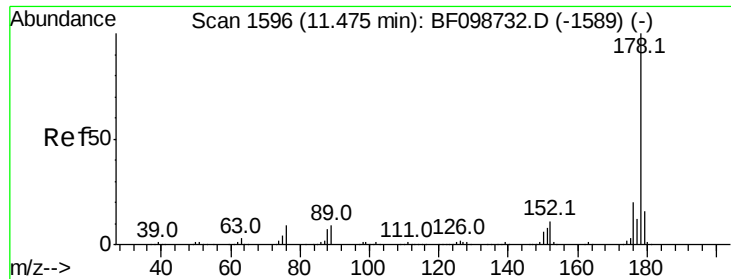
Delta R.T. -0.01 min

Lab File: BF099274.D

Acq: 9 Oct 2017 20:45

Tgt Ion:	188	Resp:	287801
Ion Ratio	Lower	Upper	
188	100		
94	10.0	8.5	12.7
80	11.4	9.2	13.8





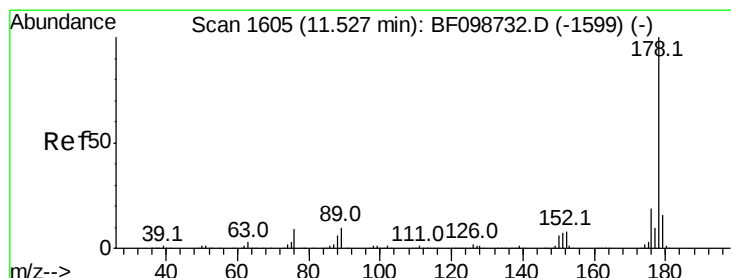
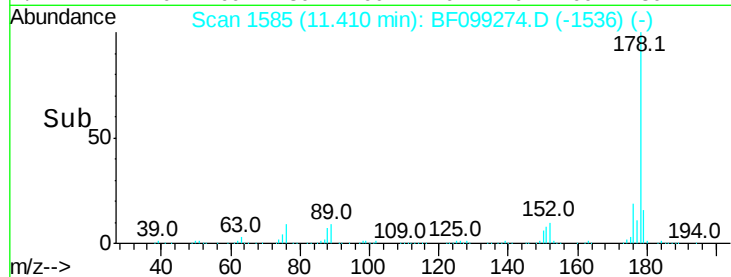
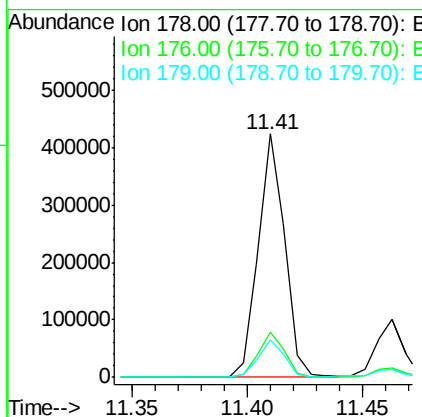
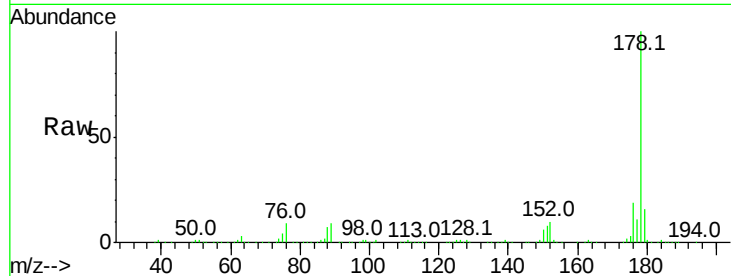
#70
Phenanthrene
Concen: 22.101 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099274.D
Acq: 9 Oct 2017 20:45

Instrument :
BNA_F
ClientSampleId :
NB-08-100517

Tot Ion:178 Resp: 340477
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.6 13.0 19.6

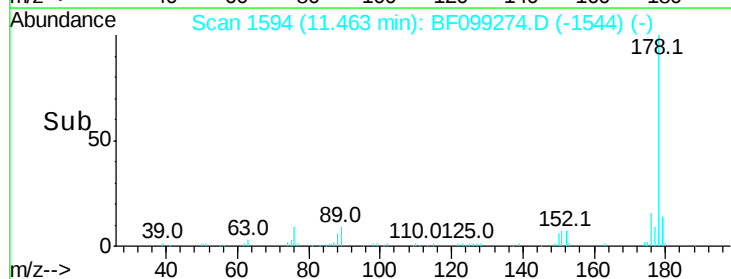
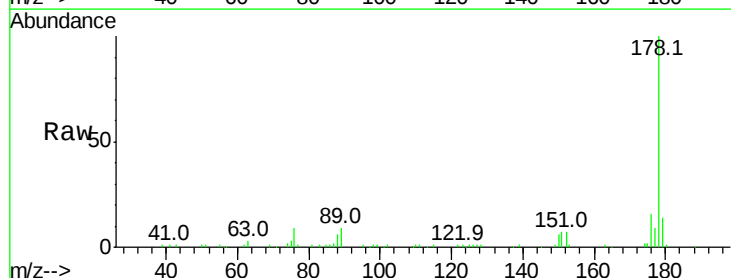
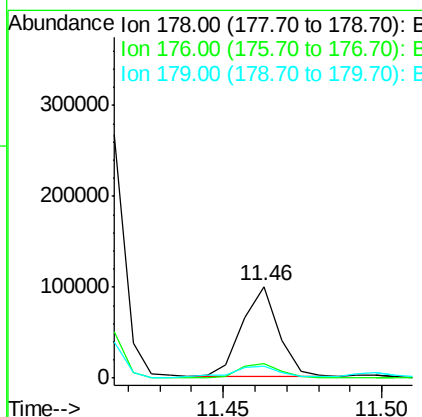
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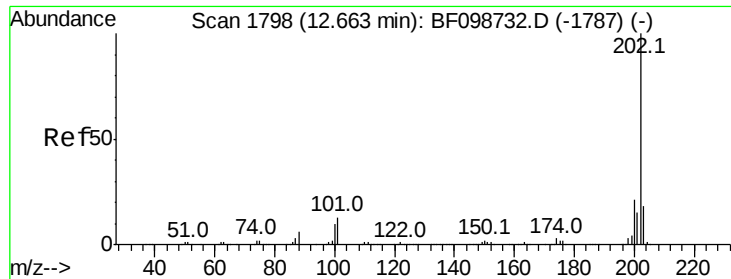
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#71
Anthracene
Concen: 5.015 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF099274.D
Acq: 9 Oct 2017 20:45

Tgt Ion:178 Resp: 79049
Ion Ratio Lower Upper
178 100
176 16.1 15.4 23.2
179 13.7 12.6 19.0





#74

Fluoranthene

Concen: 24.281 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF099274.D

Acq: 9 Oct 2017 20:45

Instrument :

BNA_F

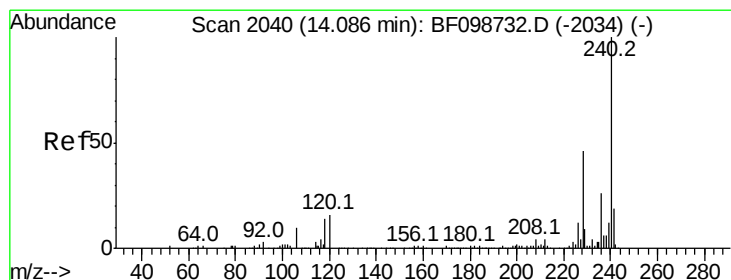
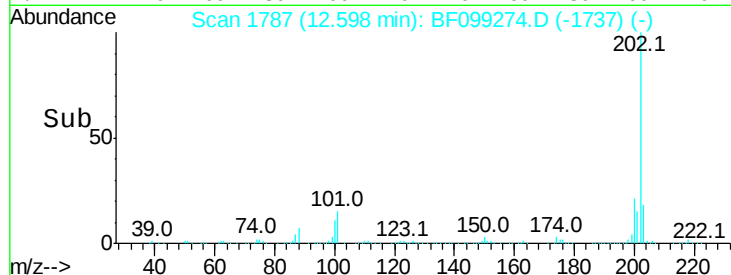
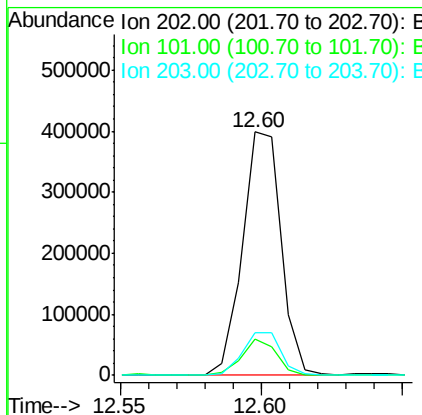
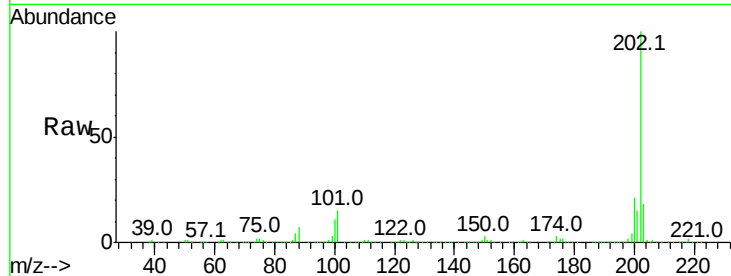
ClientSampleId :

NB-08-100517

Tot Ion	Ratio	Resp	Lower	Upper
202	100	378770		
101	14.7	0.0	34.1	
203	17.8	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

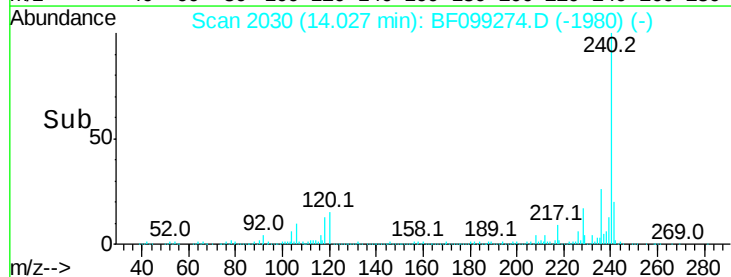
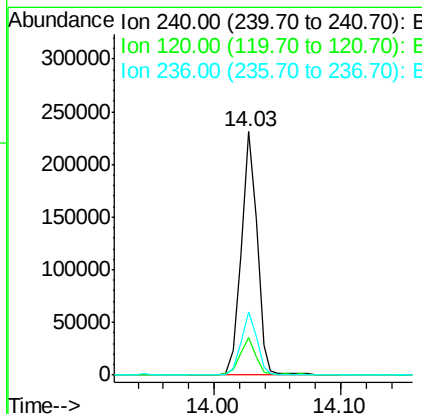
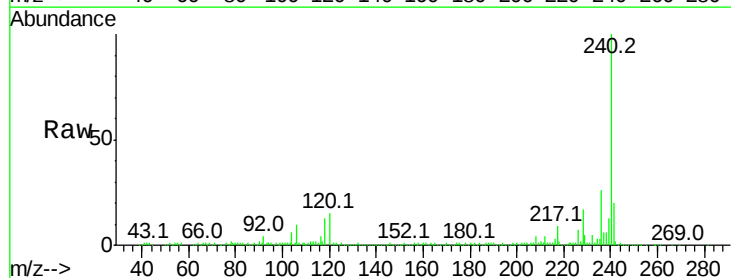
RT: 14.03 min Scan# 2030

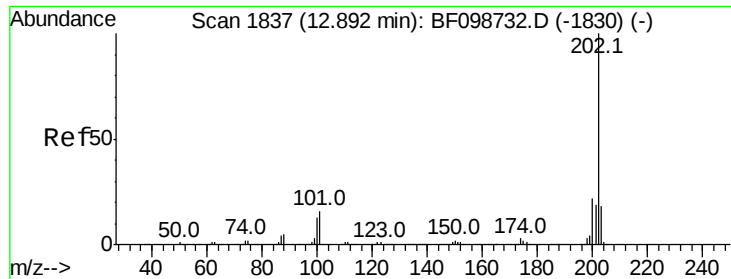
Delta R.T. -0.01 min

Lab File: BF099274.D

Acq: 9 Oct 2017 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	198727		
120	15.3	9.5	14.3#	
236	26.0	20.7	31.1	





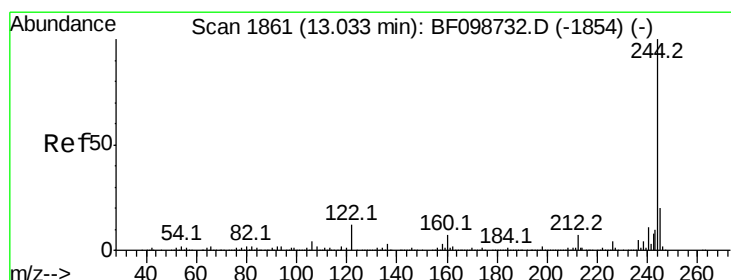
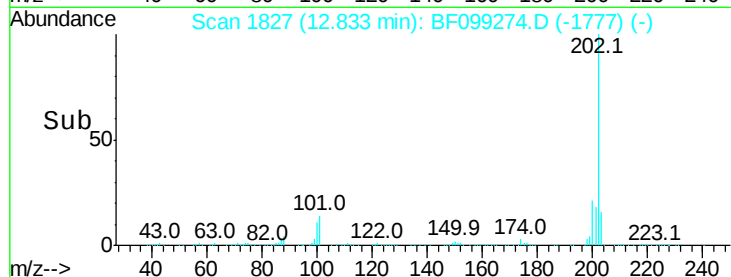
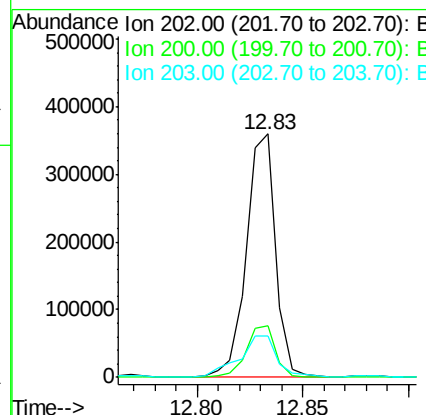
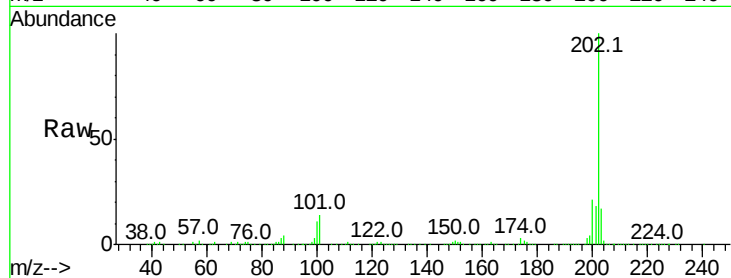
#77
Pvrene
Concen: 22.660 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BF099274.D
Acq: 9 Oct 2017 20:45

Instrument :
BNA_F
ClientSampleId :
NB-08-100517

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	16.9	14.3	21.5

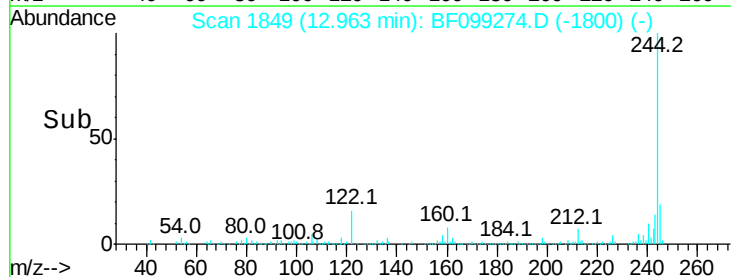
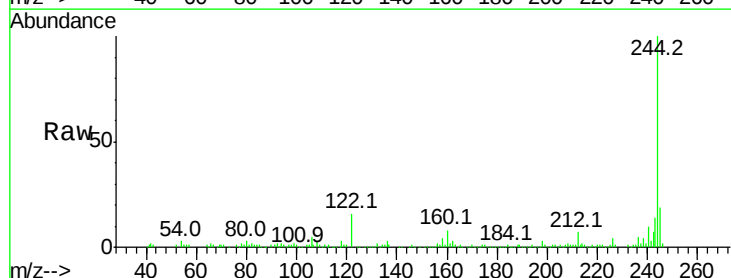
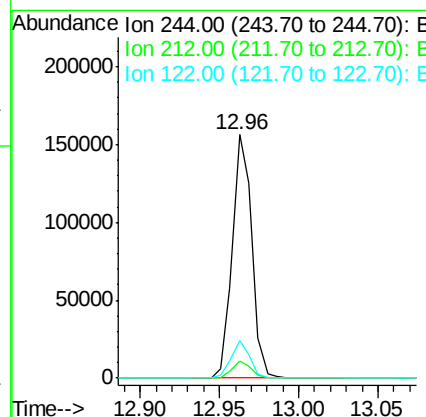
Manual Integrations
APPROVED

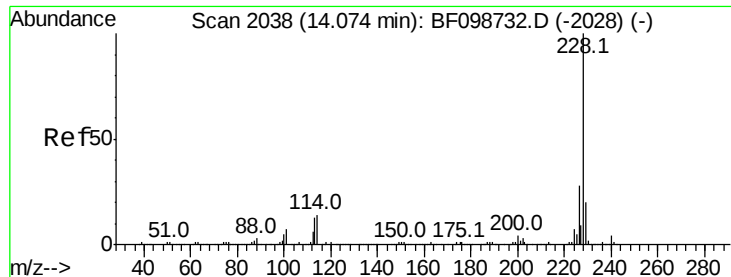
Sohil
10/10/2017 5:00:32 PM



#78
Terphenyl-d14
Concen: 15.226 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF099274.D
Acq: 9 Oct 2017 20:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	15.5	11.0	16.4





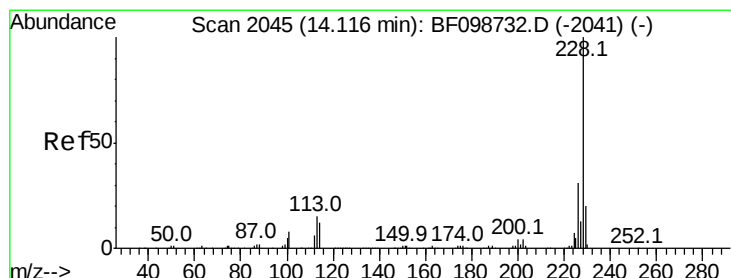
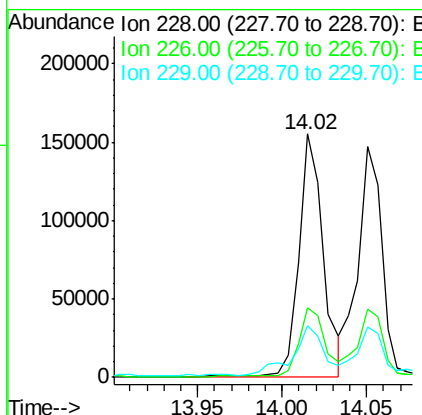
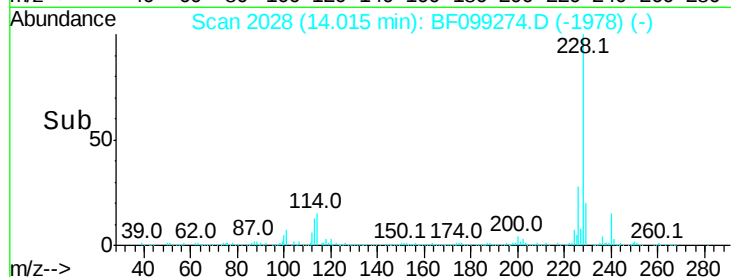
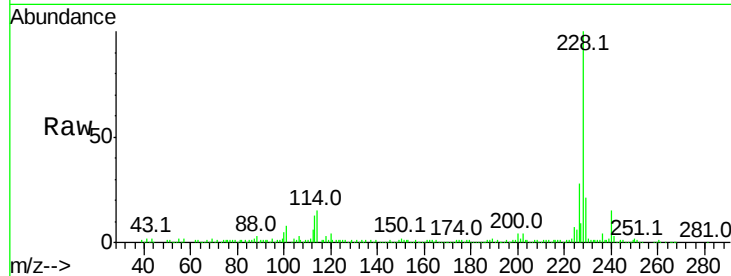
#80
Benzo(a)anthracene
Concen: 12.845 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF099274.D
Acq: 9 Oct 2017 20:45

Instrument :
BNA_F
ClientSampleId :
NB-08-100517

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	21.0	15.8	23.6

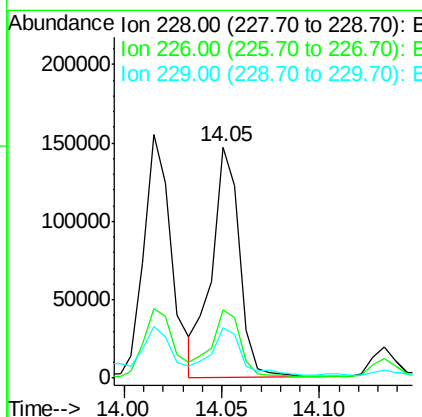
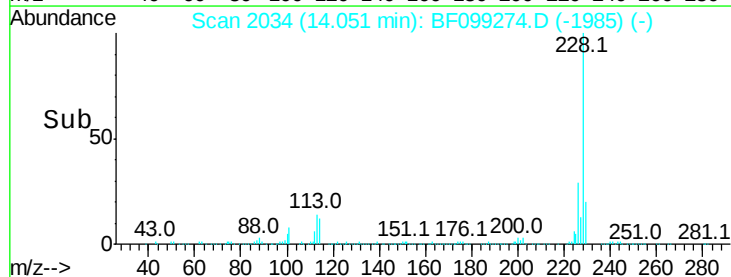
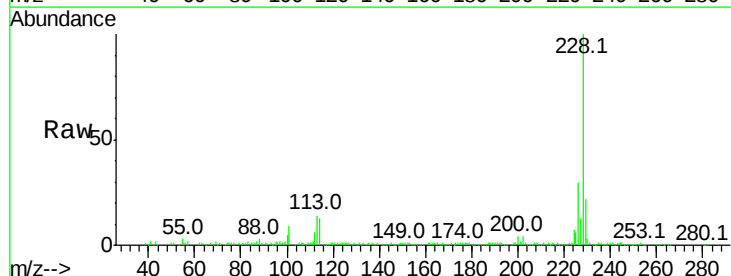
Manual Integrations
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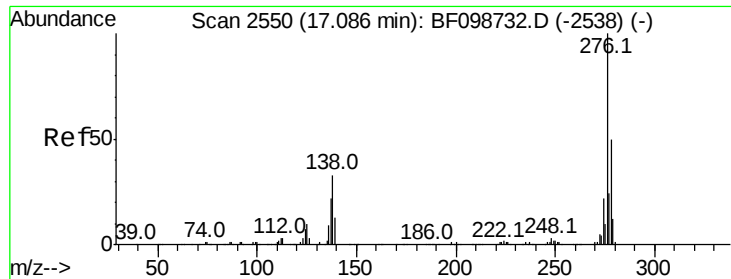
Sohil
10/10/2017 5:00:32 PM



#82
Chrysene
Concen: 12.673 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF099274.D
Acq: 9 Oct 2017 20:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	21.5	16.2	24.4





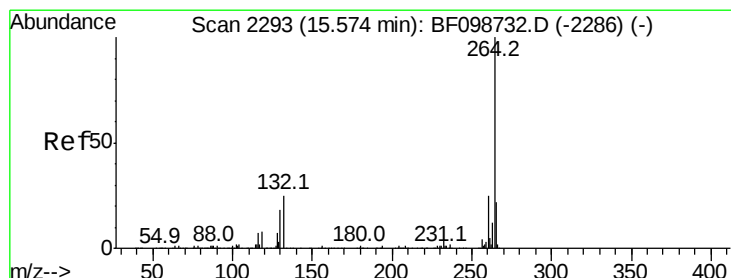
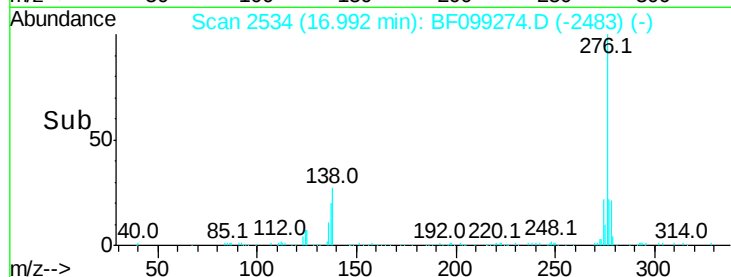
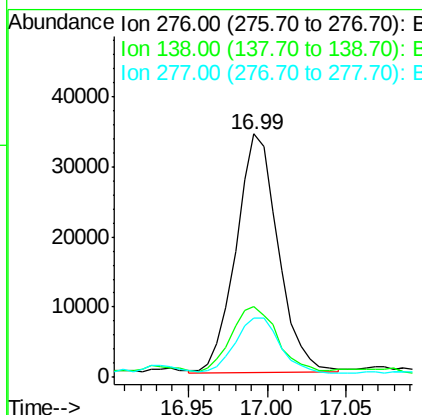
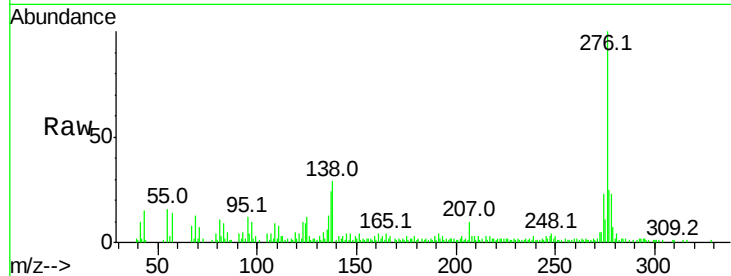
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.860 ng
RT: 16.99 min Scan# 2534
Delta R.T. -0.00 min
Lab File: BF099274.D
Acq: 9 Oct 2017 20:45

Instrument :
BNA_F
ClientSampleId :
NB-08-100517

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.5	25.0	37.6
277	24.4	20.1	30.1

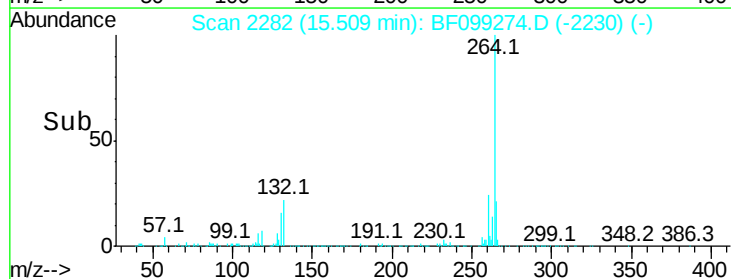
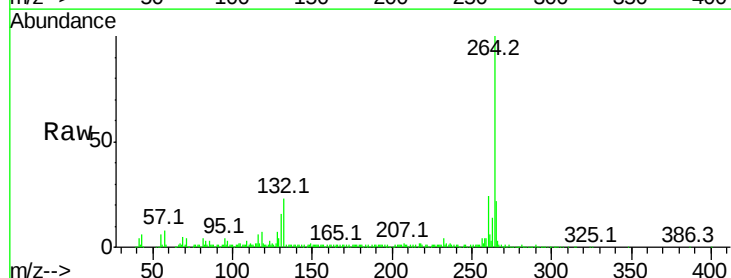
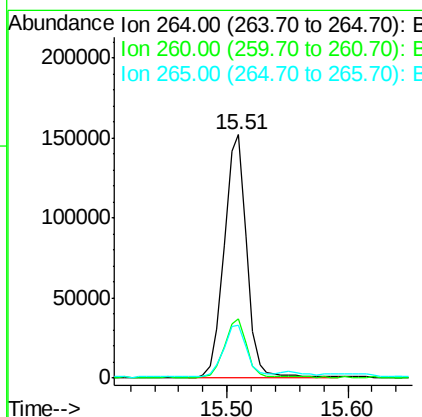
Manual Integrations
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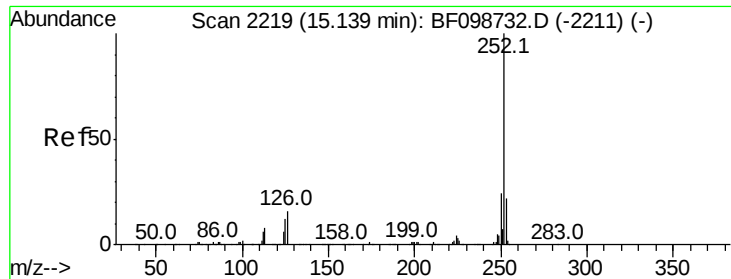
Sohil
10/10/2017 5:00:32 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF099274.D
Acq: 9 Oct 2017 20:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.7	17.5	26.3





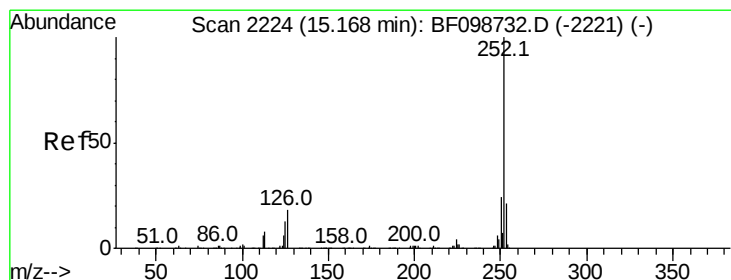
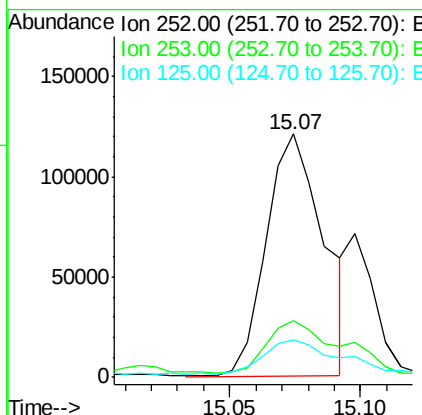
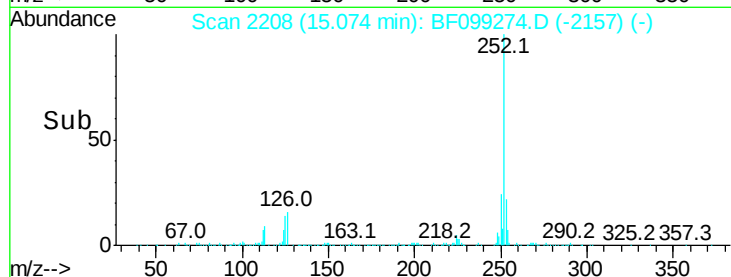
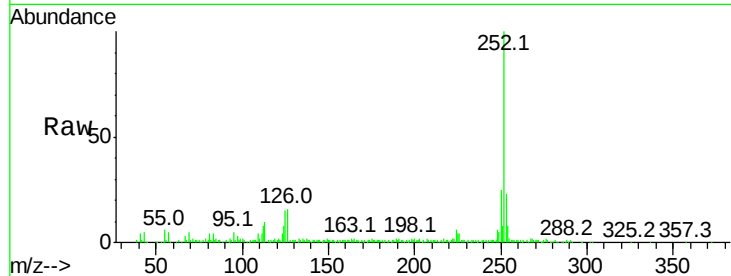
#87
Benzo(b)fluoranthene
Concen: 15.447 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF099274.D
Acq: 9 Oct 2017 20:45

Instrument :
BNA_F
ClientSampleId :
NB-08-100517

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	15.3	9.0	13.6

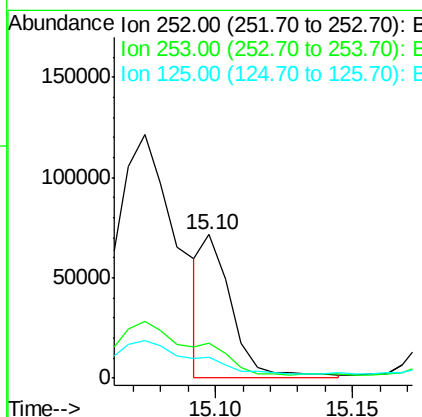
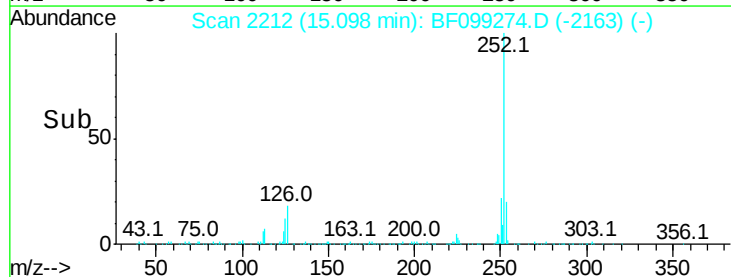
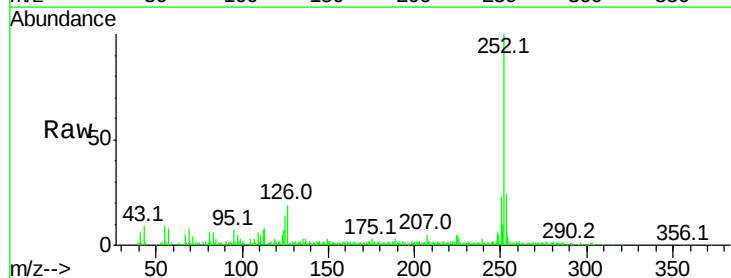
Manual Integrations
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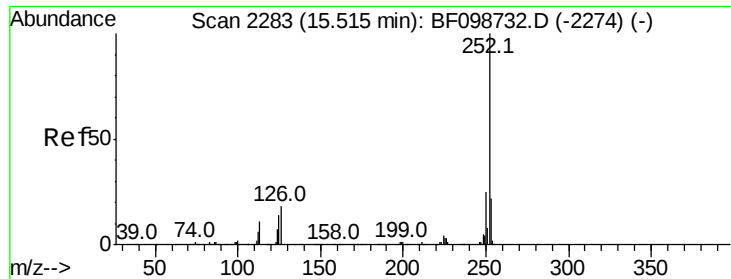
Sohil
10/10/2017 5:00:32 PM



#88
Benzo(k)fluoranthene
Concen: 4.534 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF099274.D
Acq: 9 Oct 2017 20:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	14.3	10.2	15.2





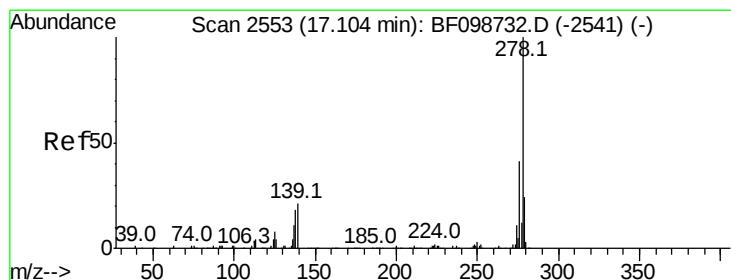
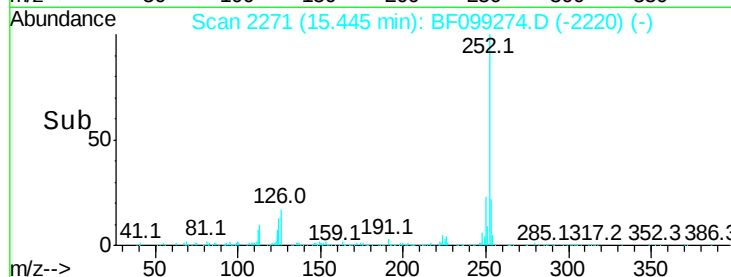
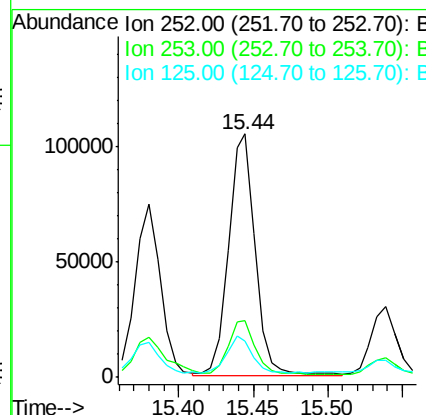
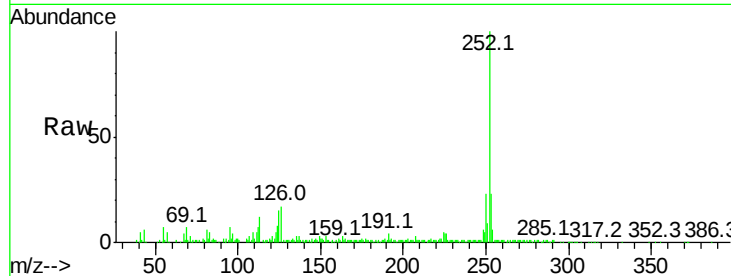
#89
Benzo(a)pyrene
Concen: 11.966 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BF099274.D
Acq: 9 Oct 2017 20:45

Instrument :
BNA_F
ClientSampleId :
NB-08-100517

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	14.8	9.8	14.6

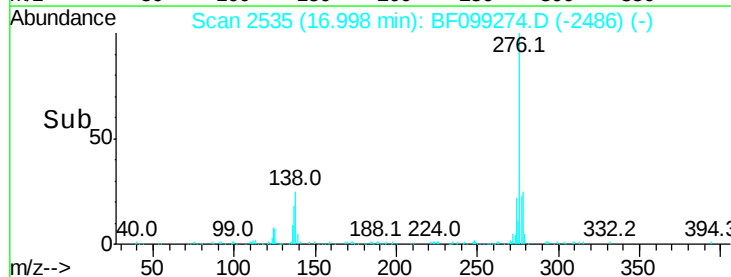
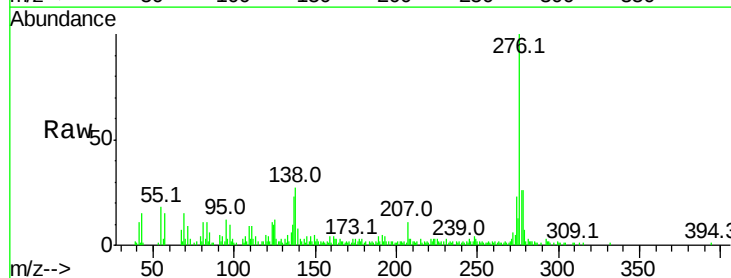
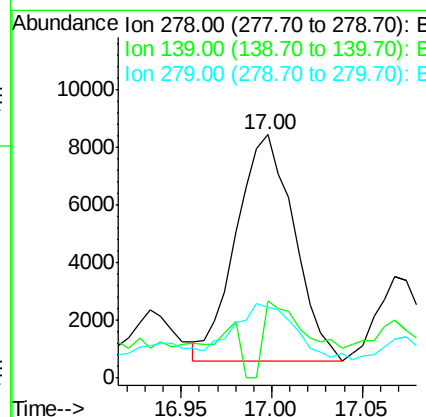
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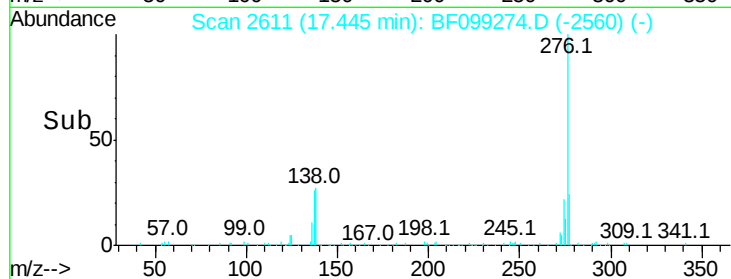
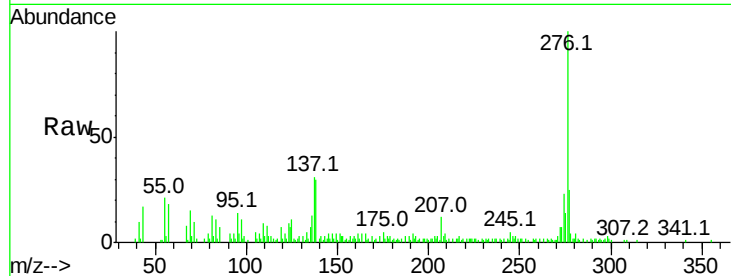
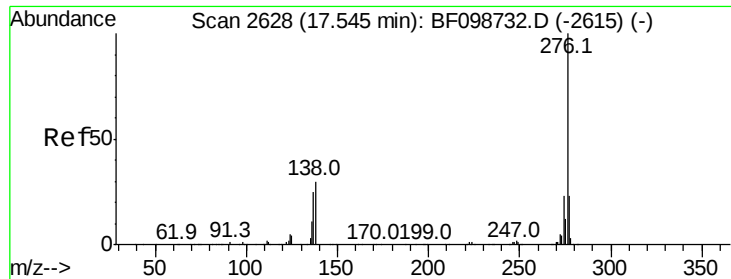
Sohil
10/10/2017 5:00:32 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.003 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF099274.D
Acq: 9 Oct 2017 20:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.8	15.9	23.9
279	29.1	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 6.960 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: BF099274.D
 Acq: 9 Oct 2017 20:45

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-100517

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	29.9	21.8	32.8

Manual Integrations
 APPROVED

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 10/10/2017 5:00:32 PM

