

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101917\
 Data File : BF099665.D
 Acq On : 19 Oct 2017 19:03
 Operator : SJ/JU
 Sample : I5895-01 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Manual Integrations
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Quant Time: Oct 20 13:21:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 20 13:11:43 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	124277	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	490655	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	202544	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	285095	20.00	ng	0.00
75) Chrysene-d12	13.99	240	206865	20.00	ng	0.00
86) Perylene-d12	15.45	264	229339	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	39837	5.10	ng	0.00
7) Phenol-d6	6.46	99	46962	4.88	ng	0.00
23) Nitrobenzene-d5	7.39	82	25941	3.39	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	6708	4.05	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	59641	4.92	ng	0.00
78) Terphenyl-d14	12.92	244	33160	3.65	ng	0.00
Target Compounds						
51) Acenaphthene	9.89	154	31672	2.499	ng	Qvalue 98
54) Dibenzofuran	10.06	168	39092	2.317	ng	98
57) Fluorene	10.40	166	42157	3.108	ng	95
70) Phenanthrene	11.37	178	470355	30.822	ng	99
71) Anthracene	11.42	178	125104	8.012	ng	98
72) Carbazole	11.57	167	69808	4.565	ng	98
74) Fluoranthene	12.56	202	580533	37.568	ng	99
77) Pyrene	12.79	202	486539	30.844	ng	99
80) Benzo(a)anthracene	13.97	228	291404	23.264	ng	99
82) Chrysene	14.01	228	245835	20.614	ng	97
85) Indeno(1,2,3-cd)pyrene	16.92	276	121510	12.737	ng	97
87) Benzo(b)fluoranthene	15.03	252	354114m	25.113	ng	
88) Benzo(k)fluoranthene	15.05	252	100487m	7.215	ng	
89) Benzo(a)pyrene	15.39	252	230191	17.784	ng	# 94
90) Dibenzo(a,h)anthracene	16.92	278	36100	3.485	ng	# 84
91) Benzo(g,h,i)perylene	17.37	276	109969	10.740	ng	92

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

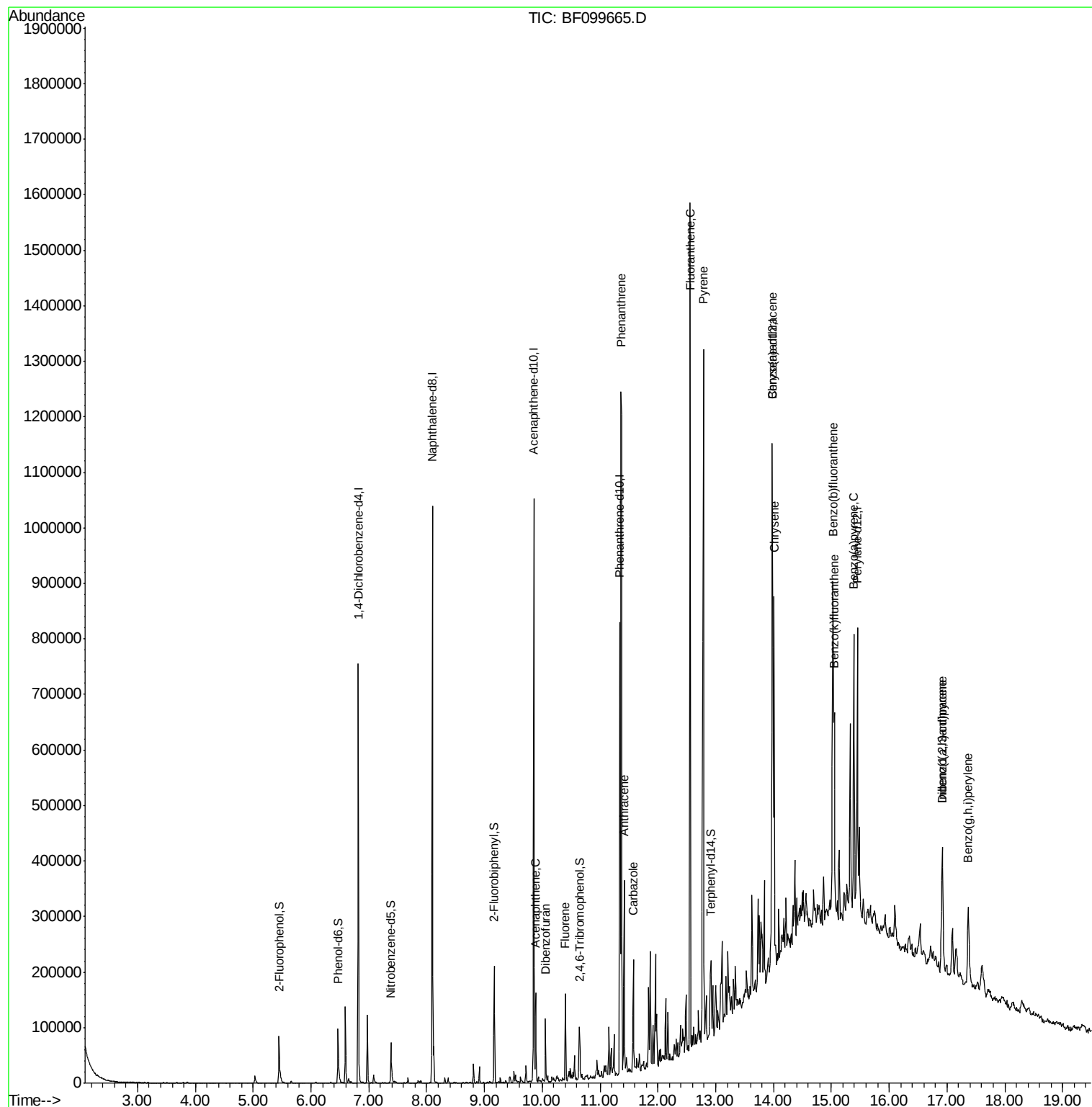
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101917\
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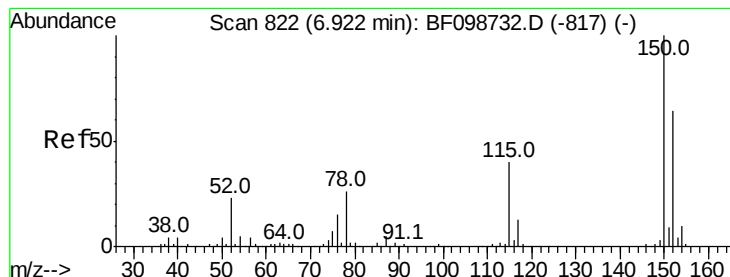
Instrument :
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Quant Time: Oct 20 13:21:32 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

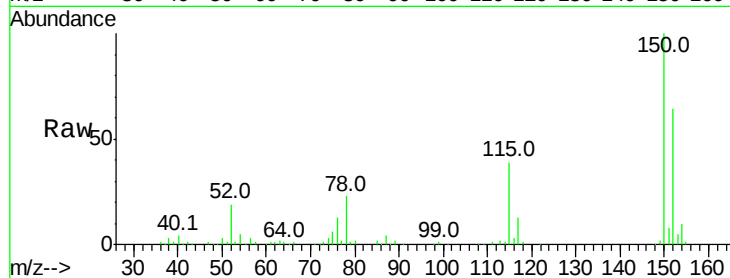
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF099665.D
Acq: 19 Oct 2017 19:03

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

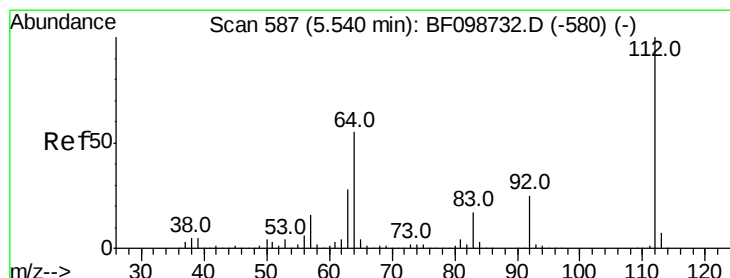
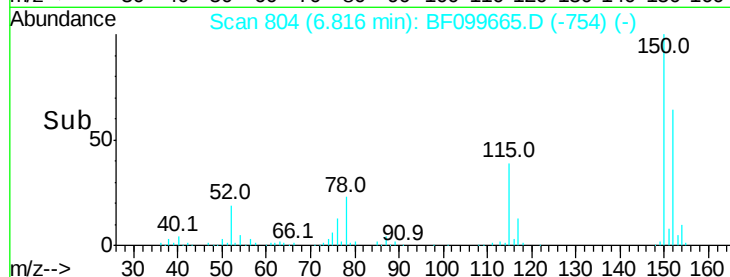
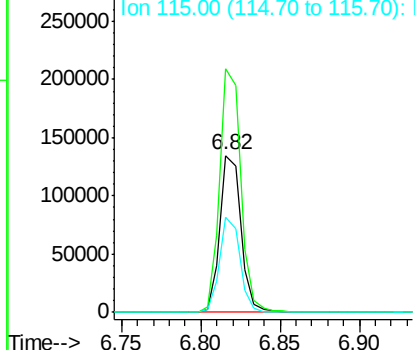
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	60.9	50.1	75.1

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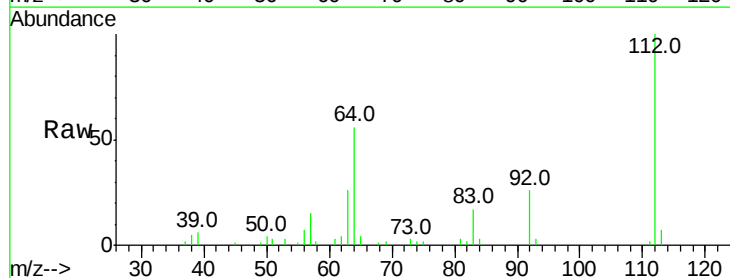
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



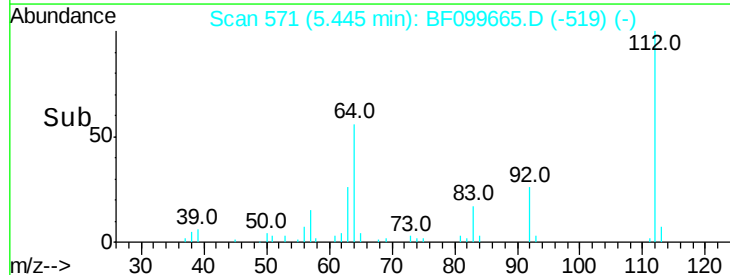
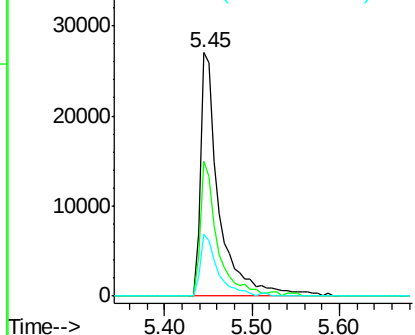
#5

2-Fluorophenol
Concen: 5.103 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF099665.D
Acq: 19 Oct 2017 19:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	47.9	71.9
63	25.6	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 4.876 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF099665.D

Acq: 19 Oct 2017 19:03

Instrument :

BNA_F

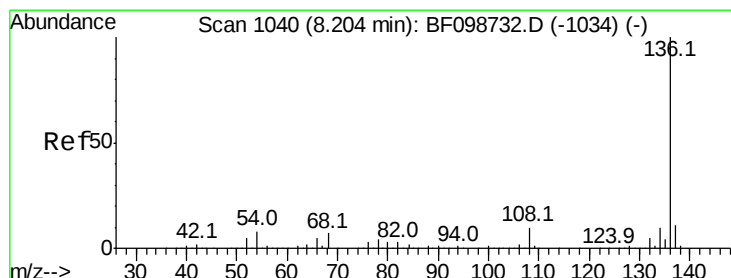
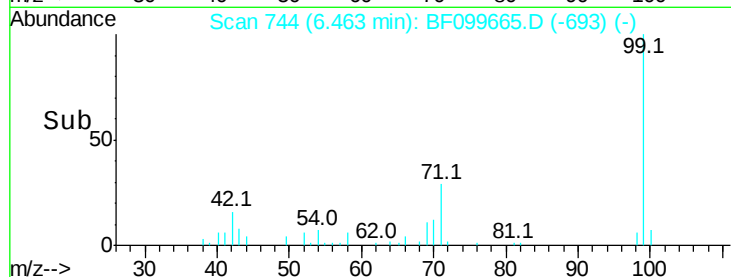
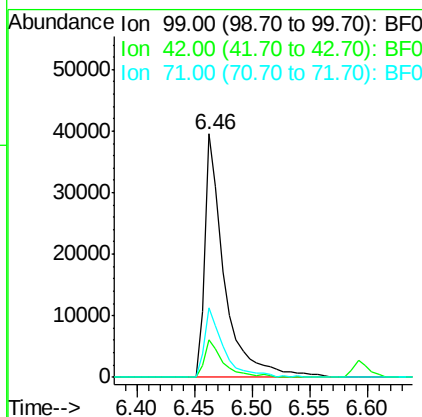
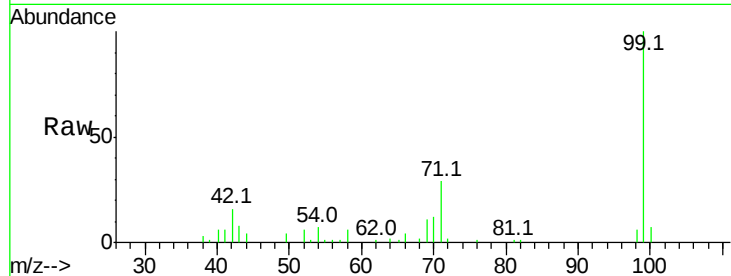
ClientSampled :

SOIL-PILE

Tot Ion:	99	Resp:	46962
Ion Ratio	Lower	Upper	
99	100		
42	15.6	14.5	21.7
71	28.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

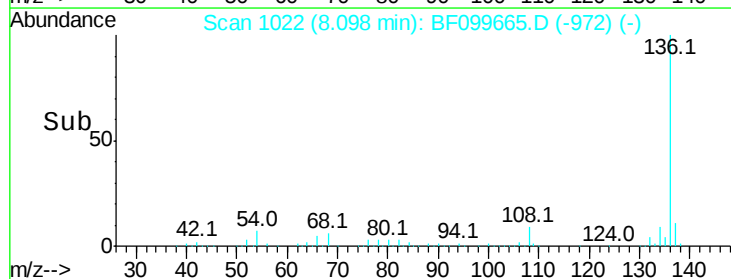
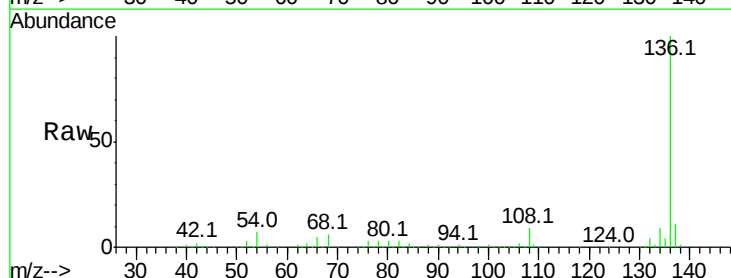
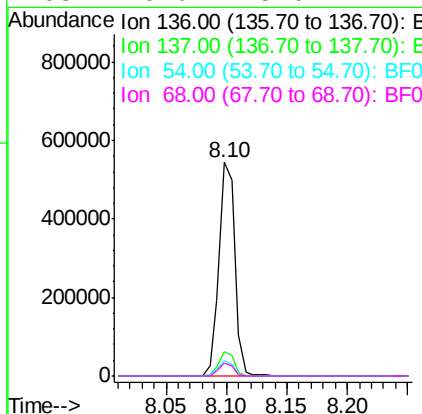
RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF099665.D

Acq: 19 Oct 2017 19:03

Tgt Ion:	136	Resp:	490655
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.1	6.6	9.8
68	6.0	5.0	7.4





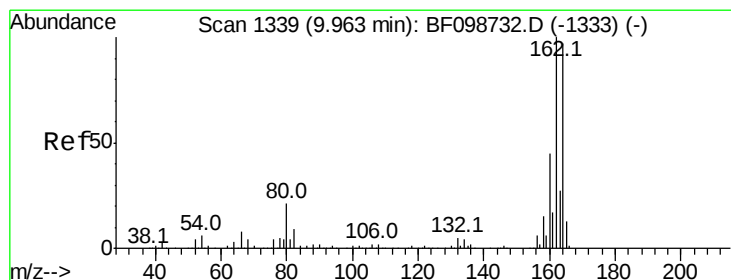
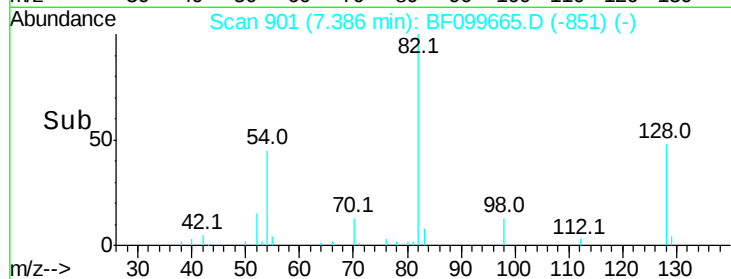
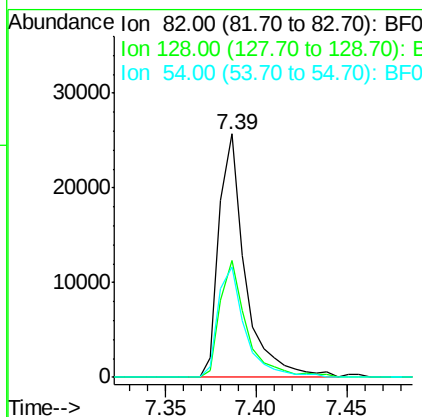
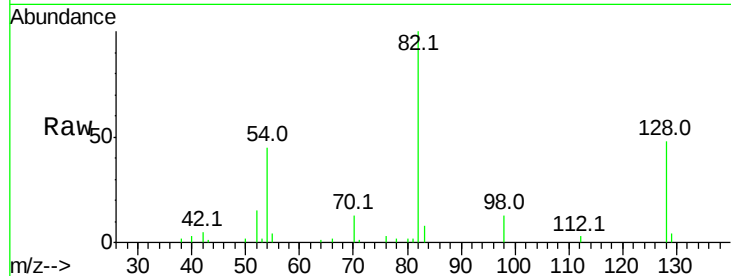
#23
 Nitrobenzene-d5
 Concen: 3.391 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF099665.D
 Acq: 19 Oct 2017 19:03

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.1	36.1	54.1
54	45.4	41.4	62.2

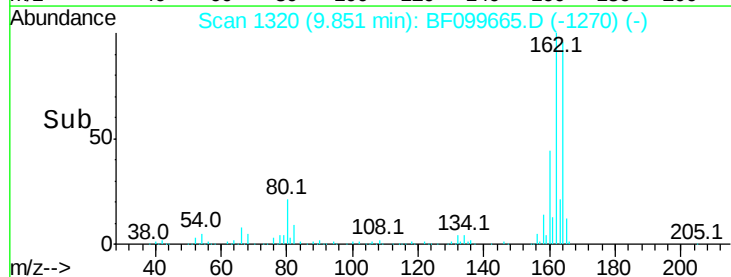
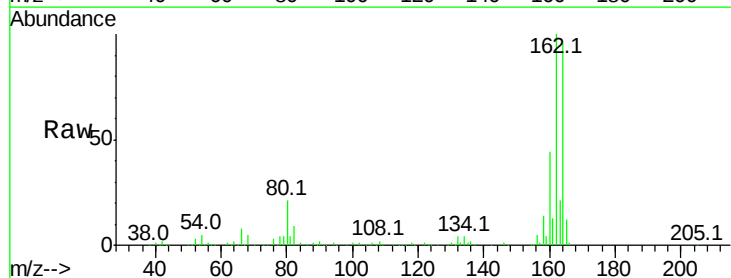
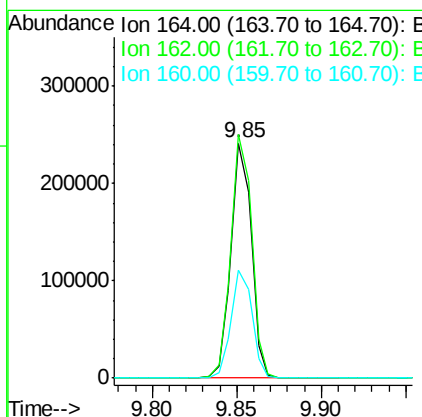
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF099665.D
 Acq: 19 Oct 2017 19:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	86.1	129.1
160	46.1	38.3	57.5





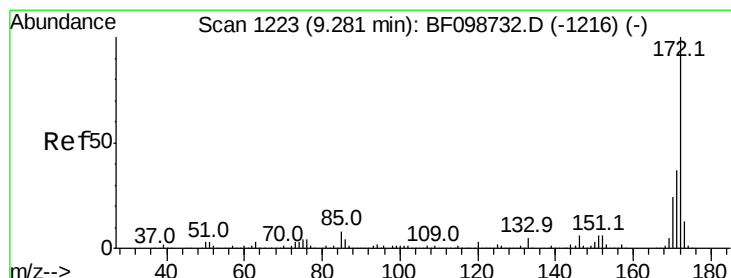
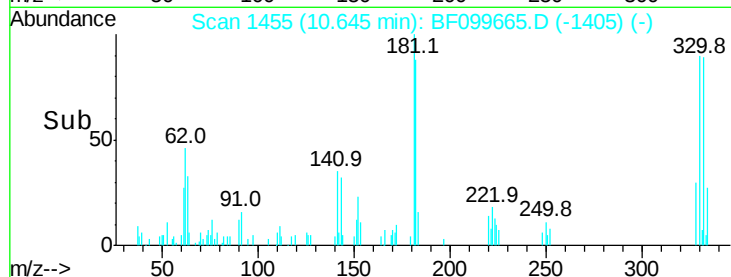
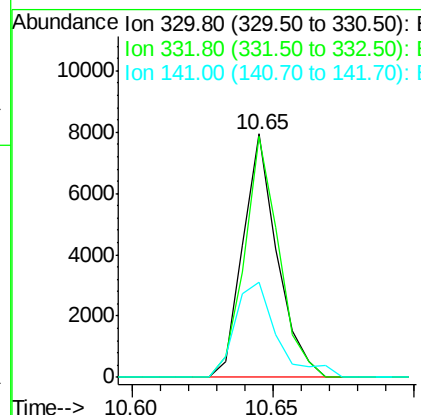
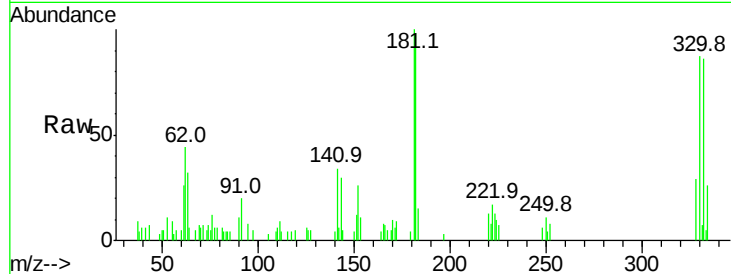
#41
 2,4,6-Tribromophenol
 Concen: 4.047 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.01 min
 Lab File: BF099665.D
 Acq: 19 Oct 2017 19:03

Instrument :
 BNA_F
 ClientSampled :
 SOIL-PILE

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.7	77.0	115.6
141	47.8	29.9	44.9#

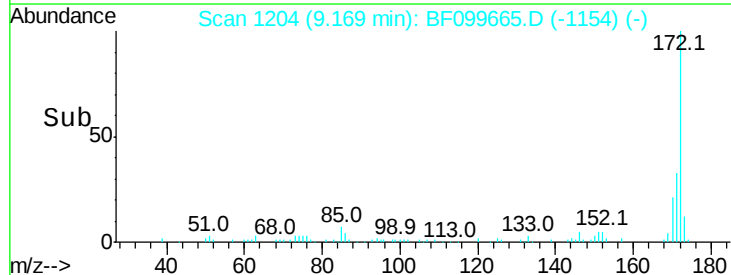
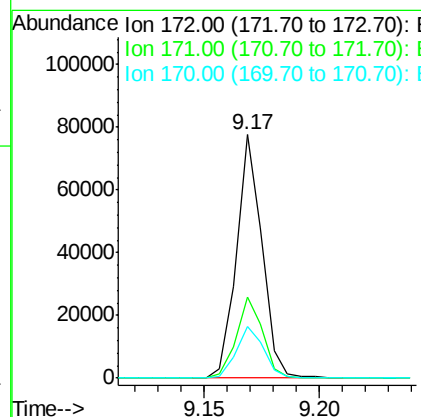
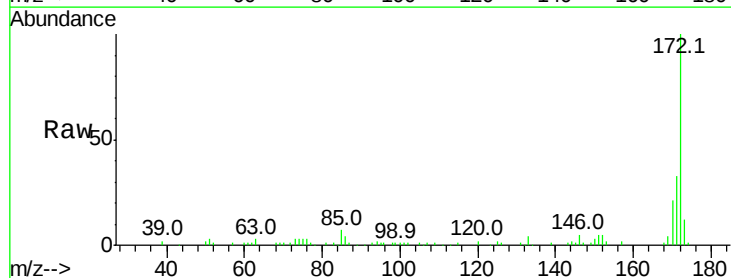
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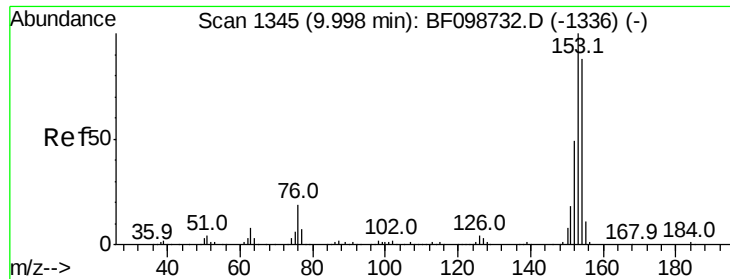
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#44
 2-Fluorobiphenyl
 Concen: 4.916 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF099665.D
 Acq: 19 Oct 2017 19:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.3	29.7	44.5
170	21.1	19.6	29.4





#51

Acenaphthene

Concen: 2.499 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099665.D

Acq: 19 Oct 2017 19:03

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

Tot Ion:154 Resp: 31672

Ion Ratio Lower Upper

154 100

153 111.4 91.2 136.8

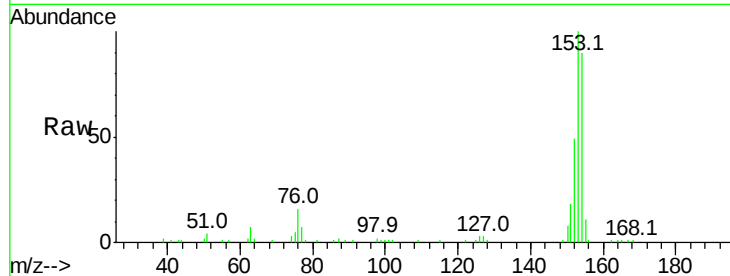
152 54.5 43.8 65.8

Manual Integrations

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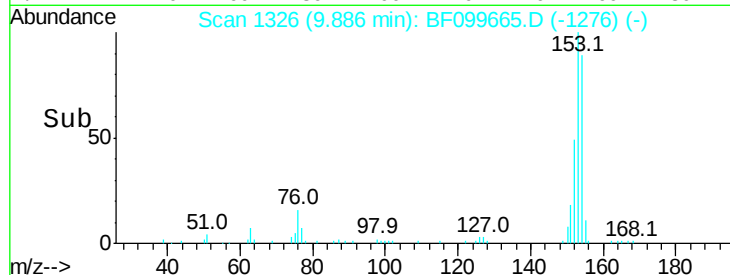


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

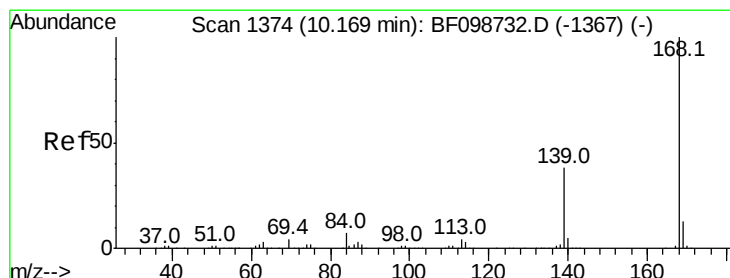
Ion 152.00 (151.70 to 152.70): E

Time-->



Abundance

Time-->



#54

Dibenzofuran

Concen: 2.317 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BF099665.D

Acq: 19 Oct 2017 19:03

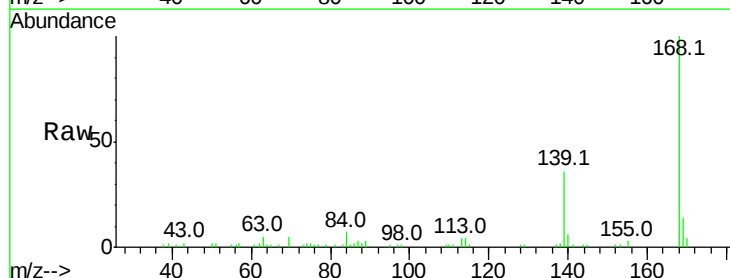
Tgt Ion:168 Resp: 39092

Ion Ratio Lower Upper

168 100

139 36.2 30.1 45.1

169 13.6 10.9 16.3

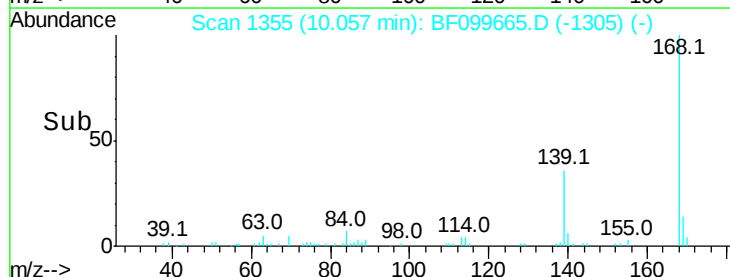


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

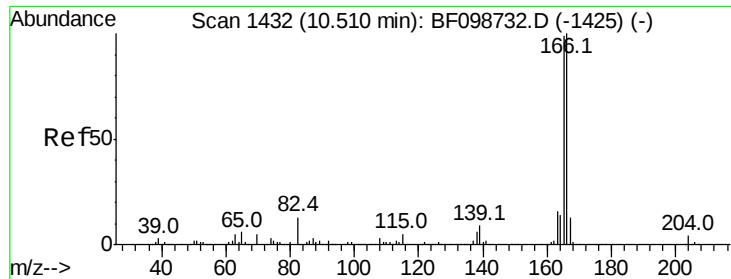
Ion 169.00 (168.70 to 169.70): E

Time-->



Abundance

Time-->



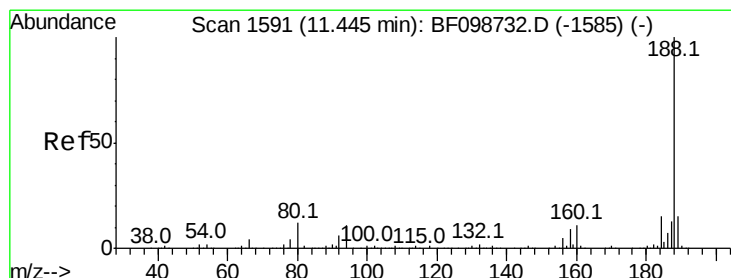
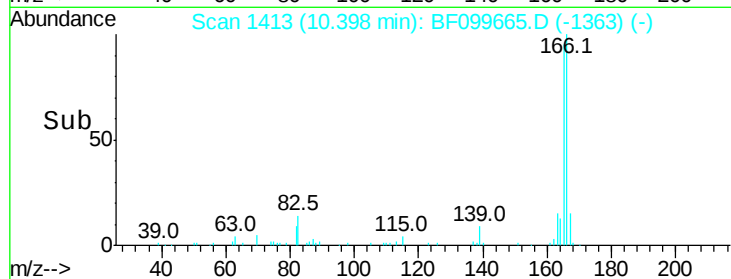
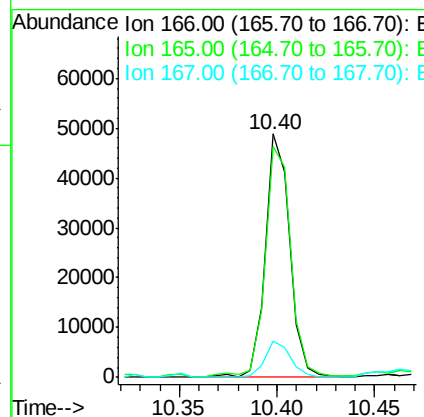
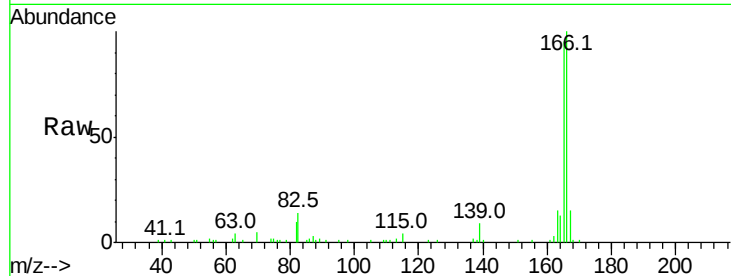
#57
Fluorene
 Concen: 3.108 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: BF099665.D
 Acq: 19 Oct 2017 19:03

Instrument :
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 ClientSampleId :
 SOIL-PILE

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.0	79.8	119.8
167	14.7	10.6	16.0

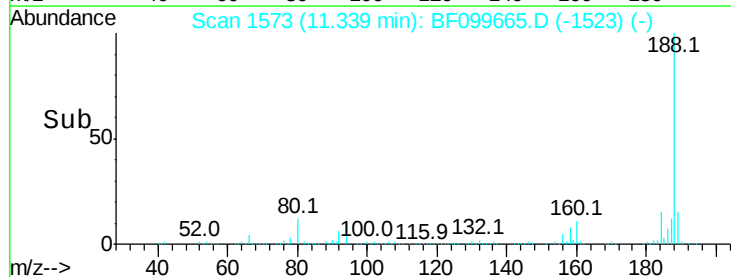
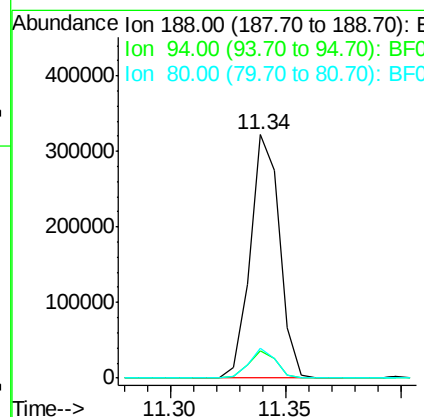
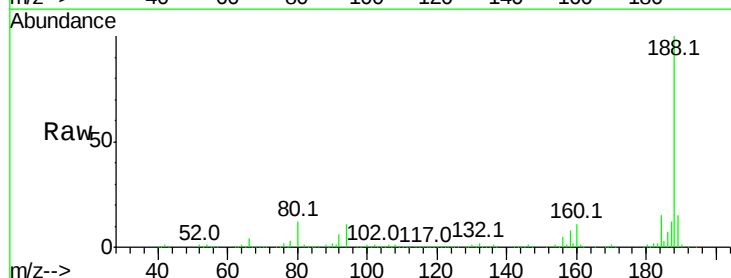
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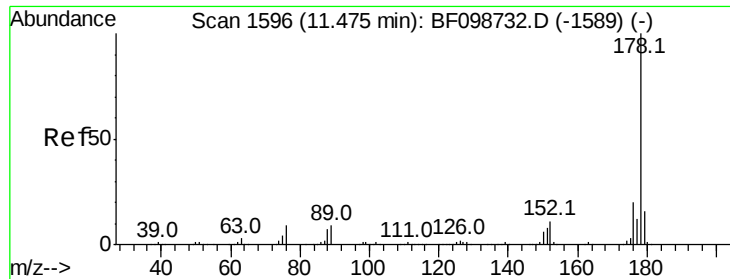
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF099665.D
 Acq: 19 Oct 2017 19:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.5	12.7
80	12.0	9.2	13.8





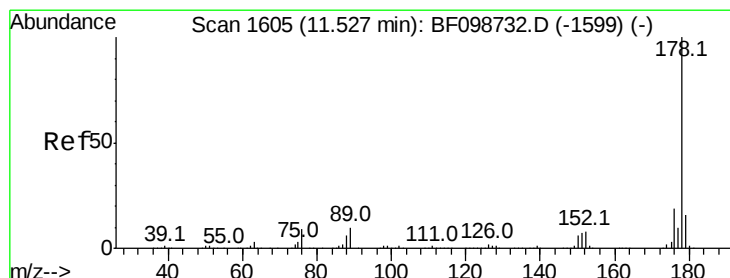
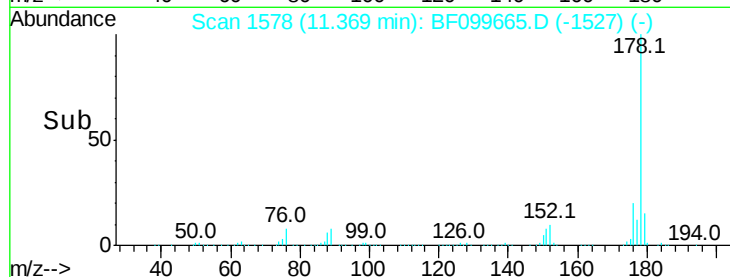
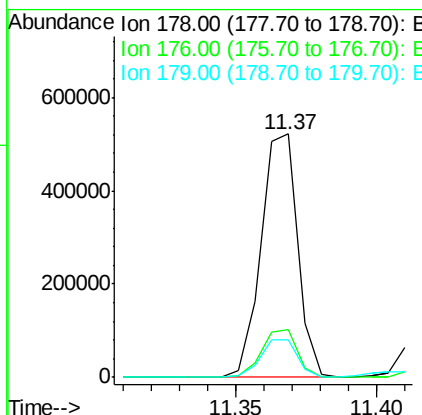
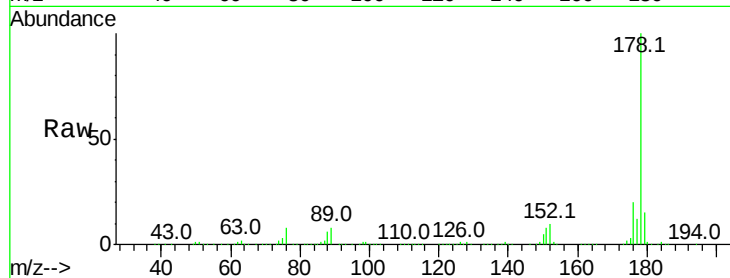
#70
Phenanthrene
Concen: 30.822 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF099665.D
Acq: 19 Oct 2017 19:03

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.5	13.0	19.6

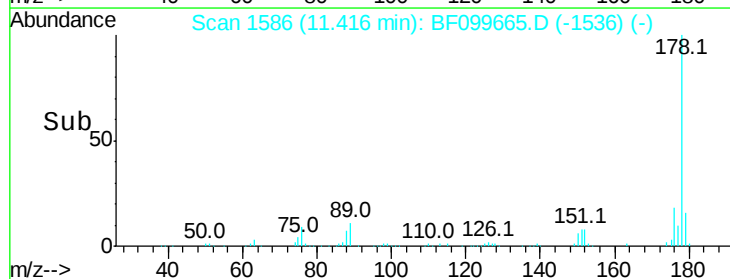
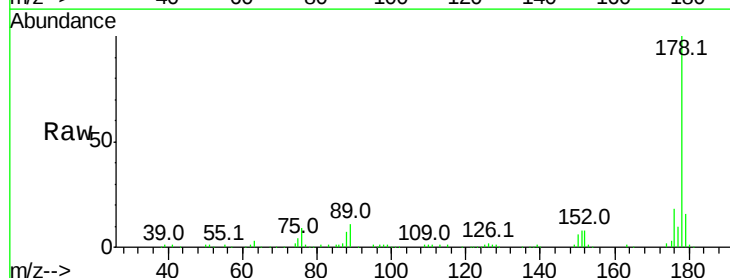
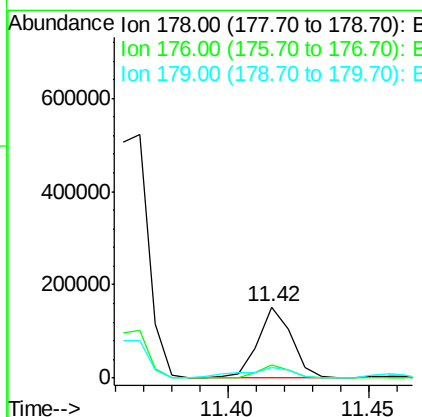
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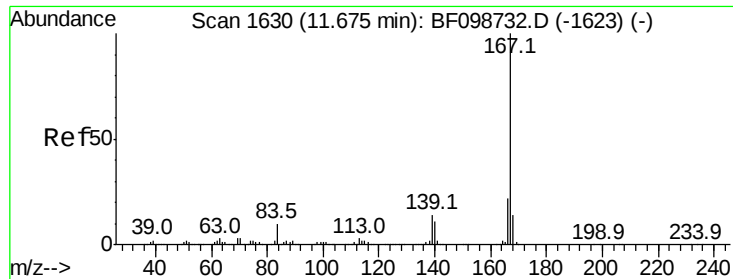
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#71
Anthracene
Concen: 8.012 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF099665.D
Acq: 19 Oct 2017 19:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.9	12.6	19.0





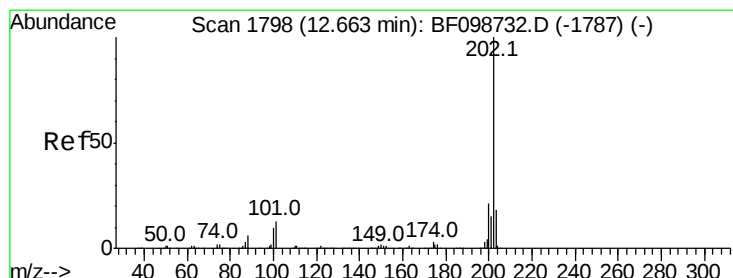
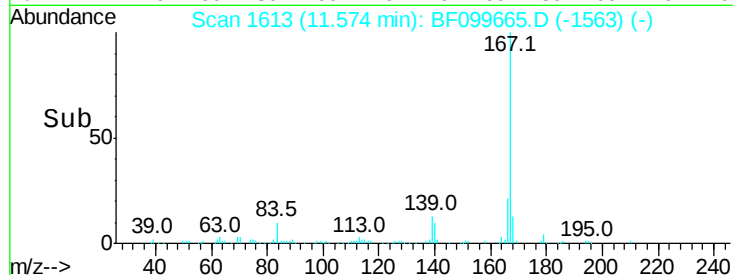
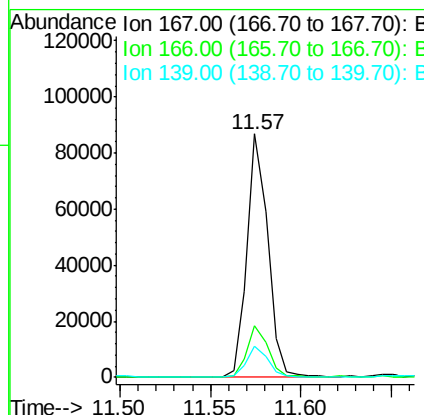
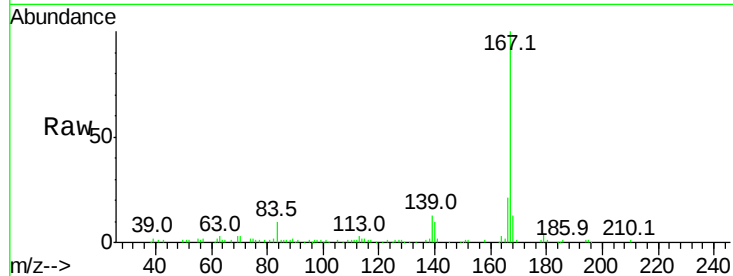
#72
 Carbazole
 Concen: 4.565 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.01 min
 Lab File: BF099665.D
 Acq: 19 Oct 2017 19:03

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Tot Ion	Ratio	Resp Lower	Resp Upper
167	100		
166	21.1	17.6	26.4
139	13.0	10.9	16.3

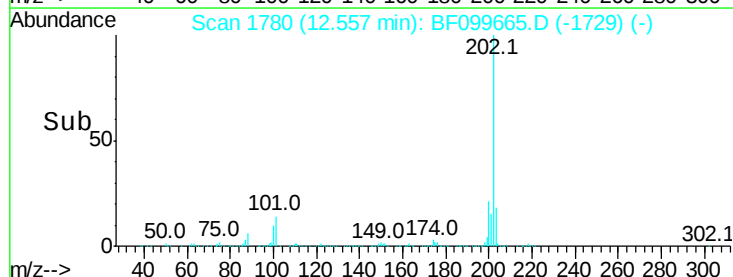
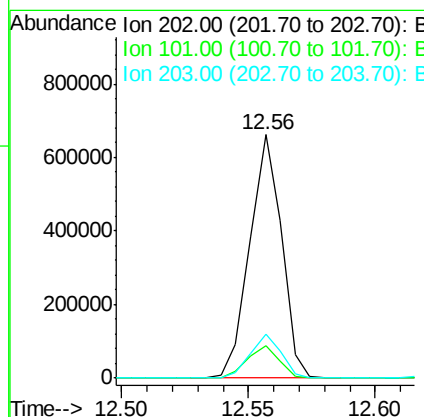
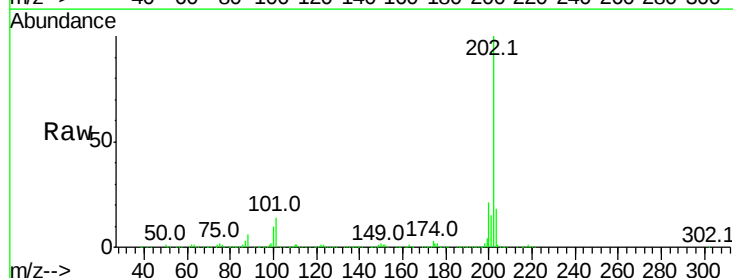
Manual Integrations
 APPROVED

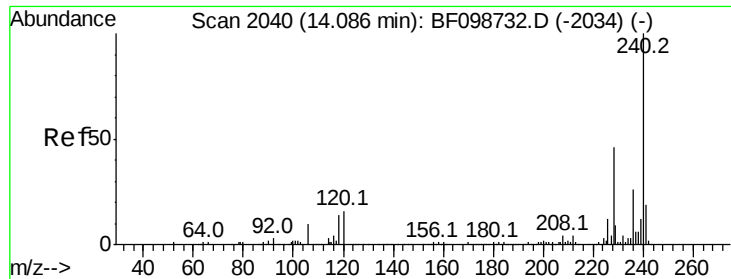
Sohil
 10/23/2017 3:15:52 PM



#74
 Fluoranthene
 Concen: 37.568 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. -0.00 min
 Lab File: BF099665.D
 Acq: 19 Oct 2017 19:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.6	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF099665.D

Acq: 19 Oct 2017 19:03

Instrument :

BNA_F

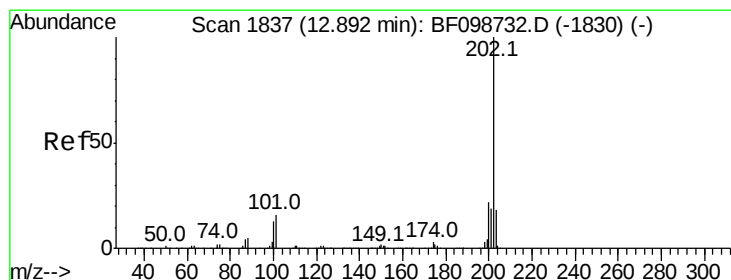
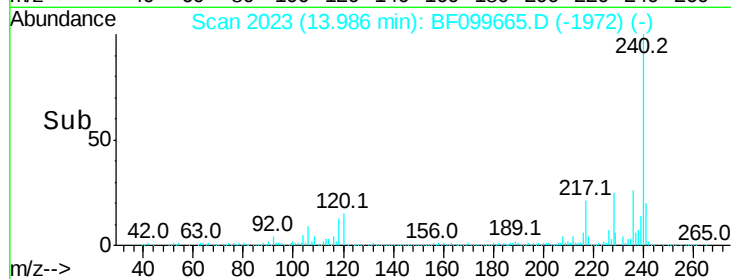
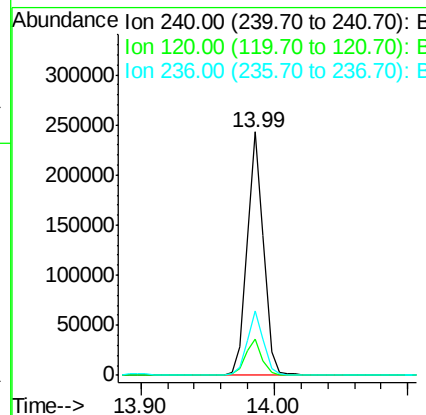
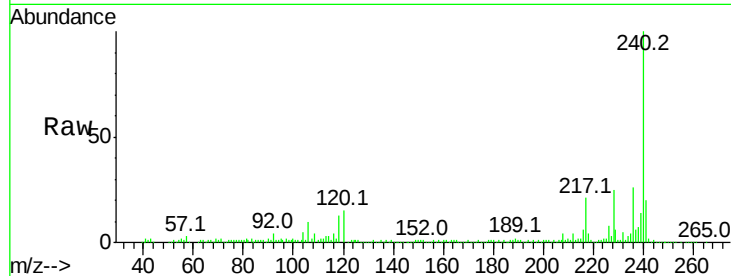
ClientSampleId :

SOIL-PILE

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	14.7	9.5	14.3	
236	26.4	20.7	31.1	

Manual Integrations
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#77

Pyrene

Concen: 30.844 ng

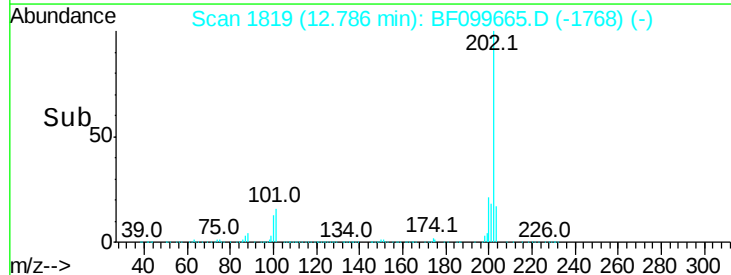
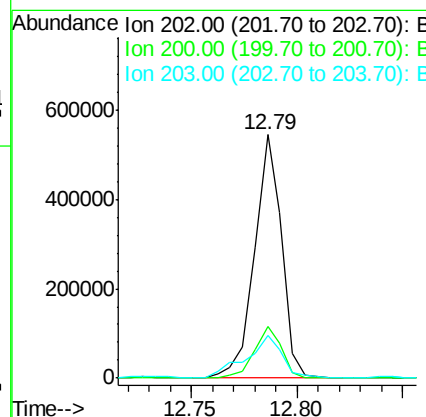
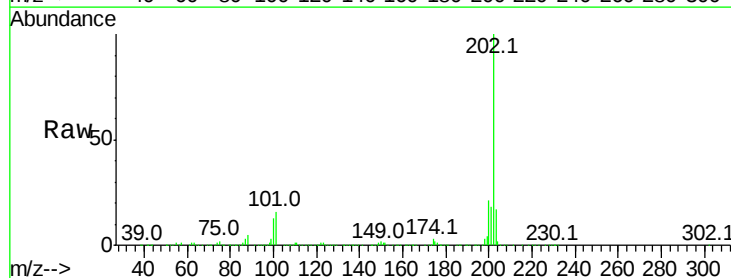
RT: 12.79 min Scan# 1819

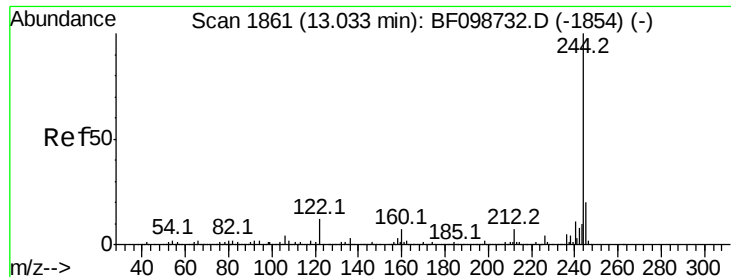
Delta R.T. -0.00 min

Lab File: BF099665.D

Acq: 19 Oct 2017 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.2	17.4	26.2	
203	17.5	14.3	21.5	





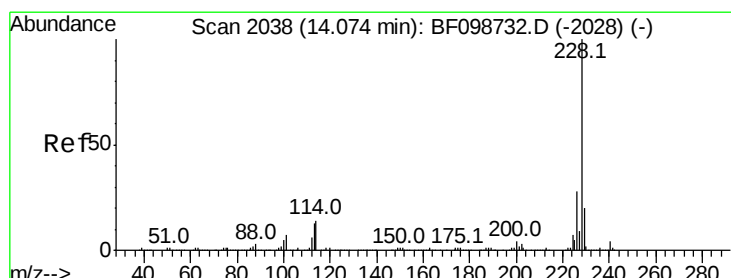
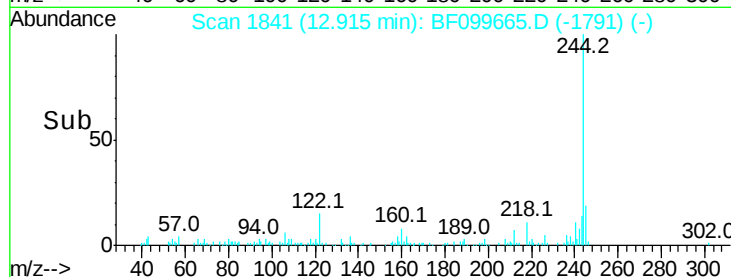
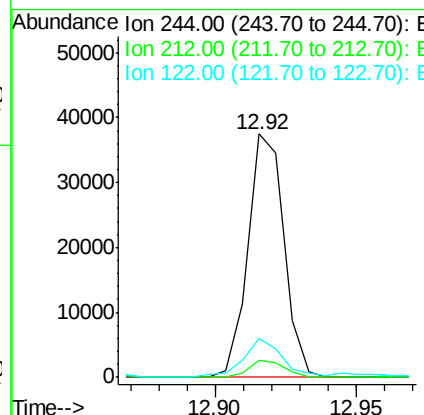
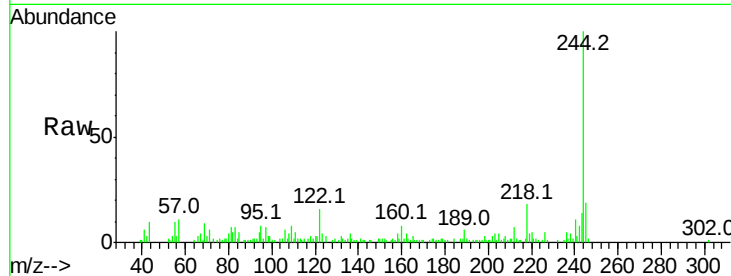
#78
 Terphenyl-d14
 Concen: 3.645 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF099665.D
 Acq: 19 Oct 2017 19:03

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	15.9	11.0	16.4

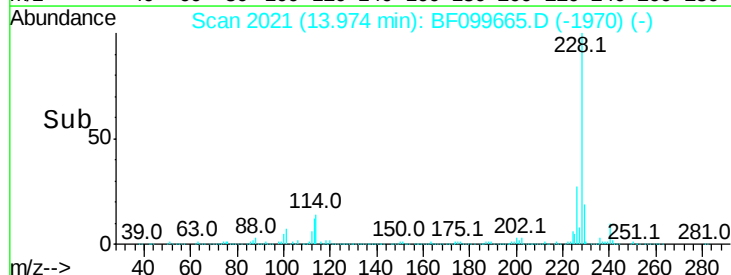
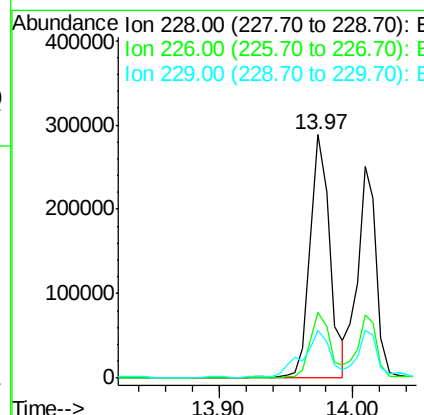
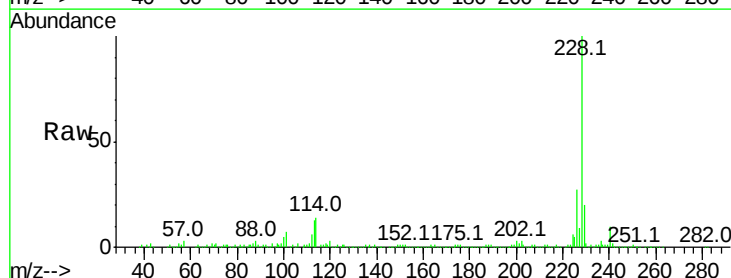
Manual Integrations
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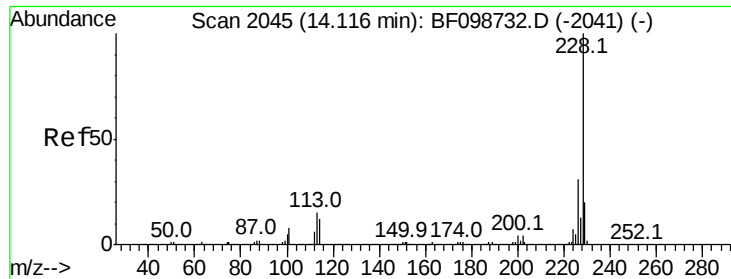
Sohil
 10/23/2017 3:15:52 PM



#80
 Benzo(a)anthracene
 Concen: 23.264 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BF099665.D
 Acq: 19 Oct 2017 19:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	19.6	15.8	23.6





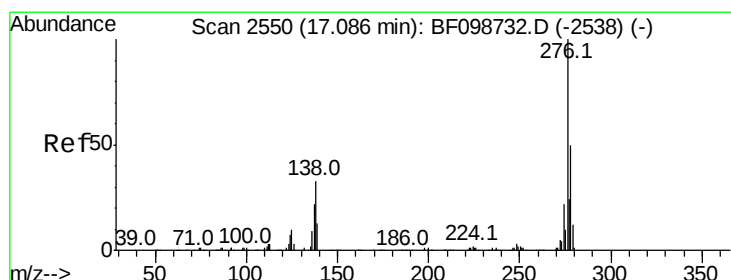
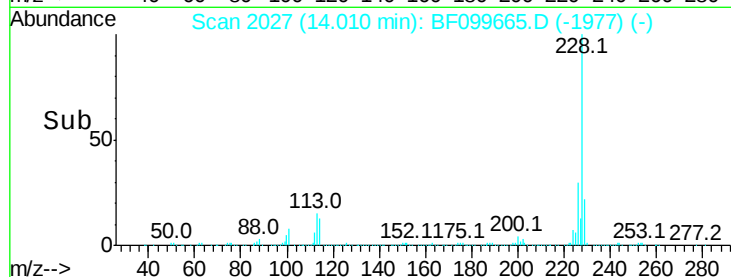
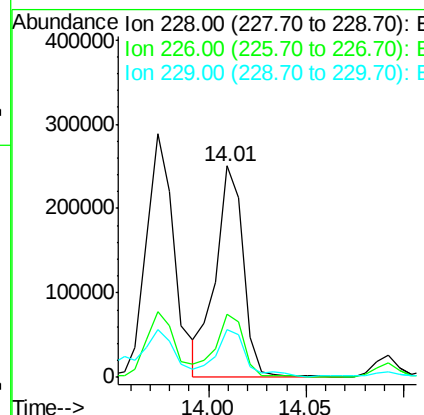
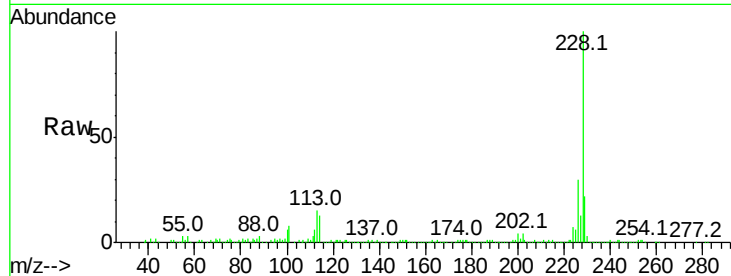
#82
Chrysene
Concen: 20.614 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF099665.D
Acq: 19 Oct 2017 19:03

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Resp	Lower	Upper
228	100	245835		
226	29.9	25.0	37.6	
229	22.5	16.2	24.4	

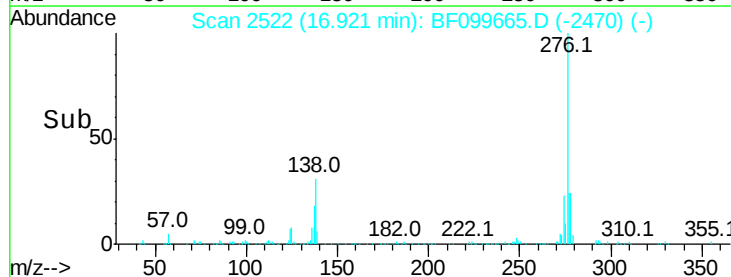
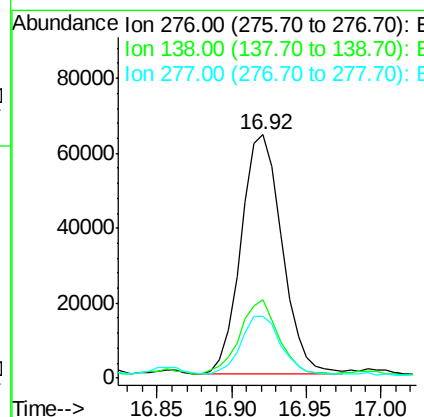
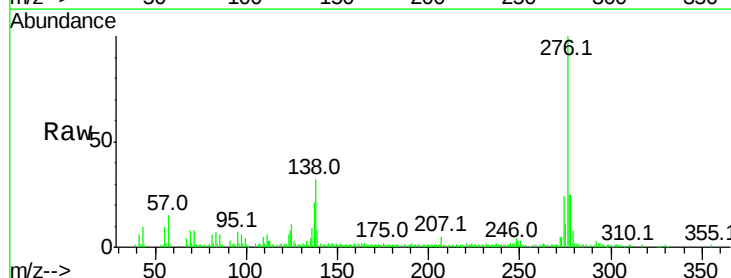
Manual Integrations
APPROVED

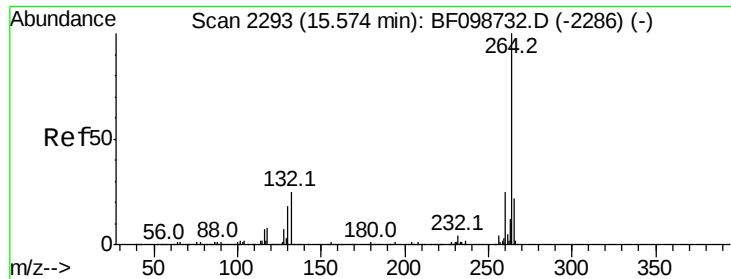
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 12.737 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.01 min
Lab File: BF099665.D
Acq: 19 Oct 2017 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	121510		
138	29.5	25.0	37.6	
277	24.0	20.1	30.1	





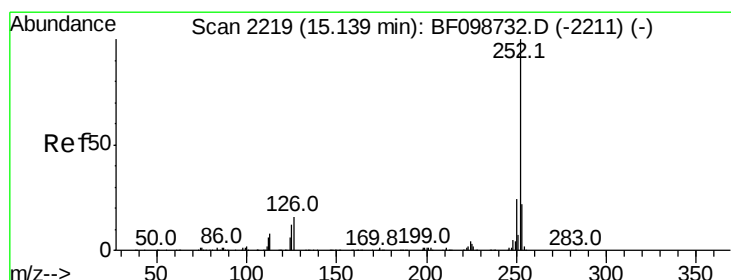
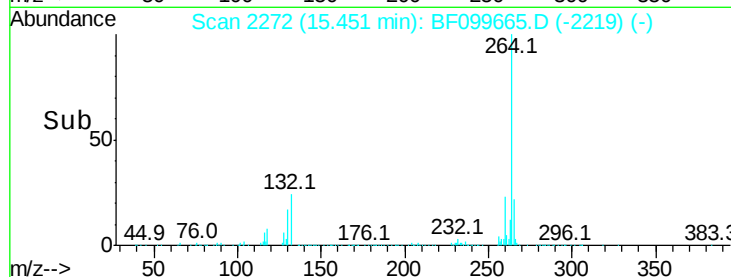
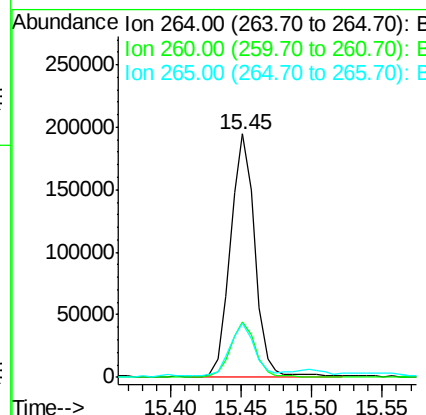
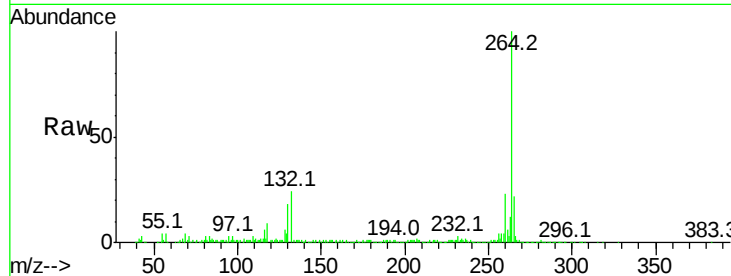
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF099665.D
Acq: 19 Oct 2017 19:03

Instrument :
BNA_F
ClientSampled :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	22.1	17.5	26.3

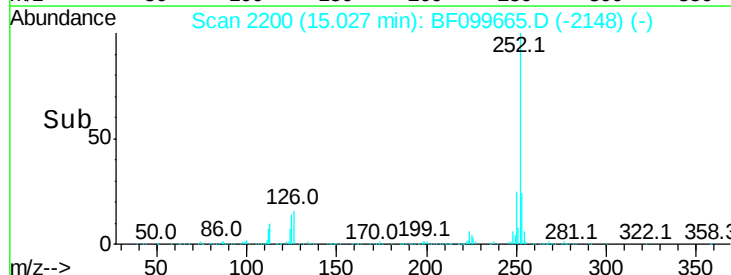
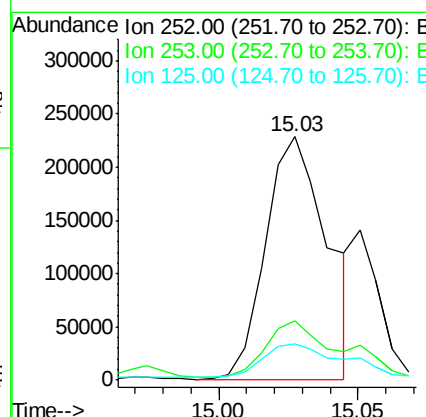
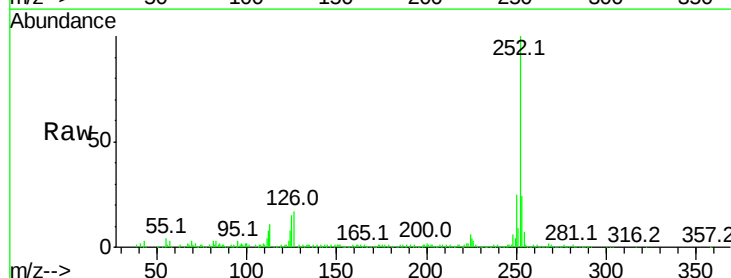
Manual Integrations
APPROVED

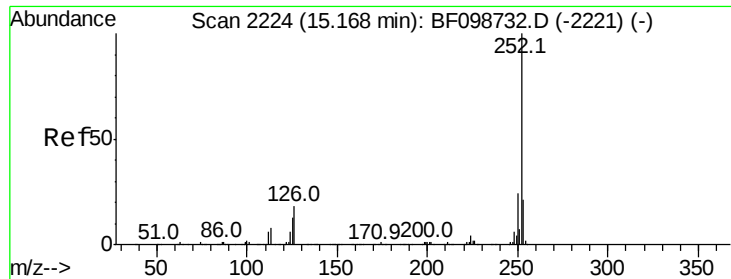
Sohil
10/23/2017 3:15:52 PM



#87
Benzo(b)fluoranthene
Concen: 25.113 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF099665.D
Acq: 19 Oct 2017 19:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	15.1	9.0	13.6#





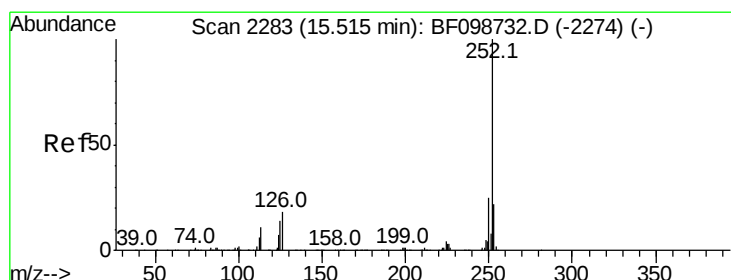
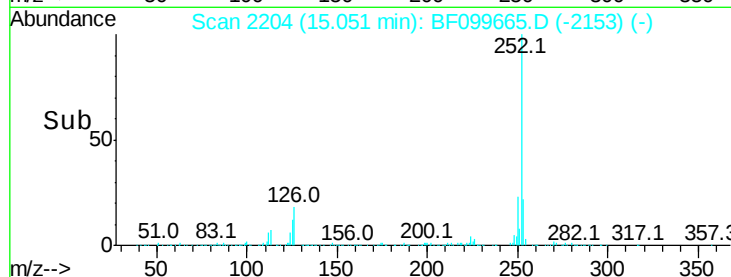
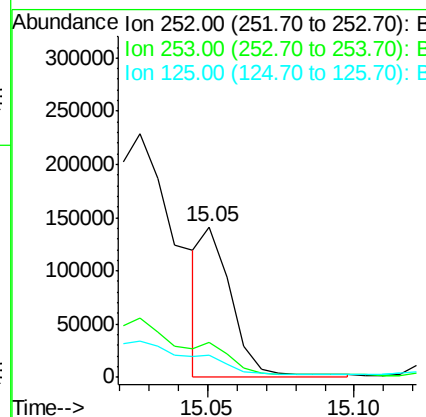
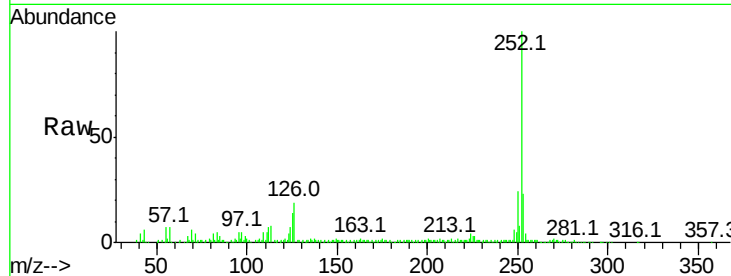
#88
Benzo(k)fluoranthene
Concen: 7.215 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF099665.D
Acq: 19 Oct 2017 19:03

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	14.4	10.2	15.2

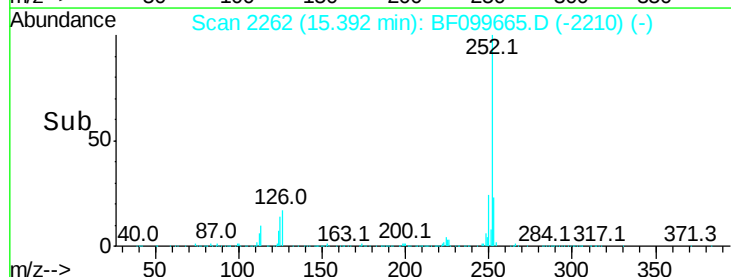
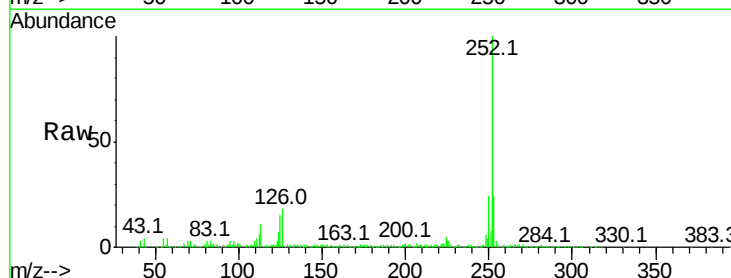
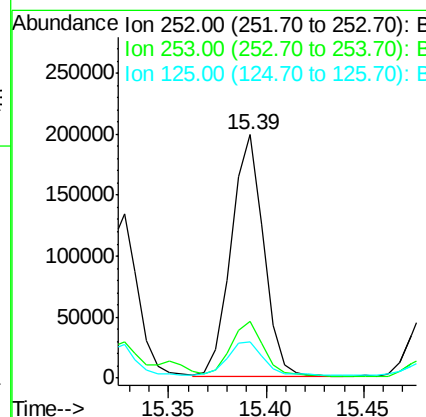
Manual Integrations
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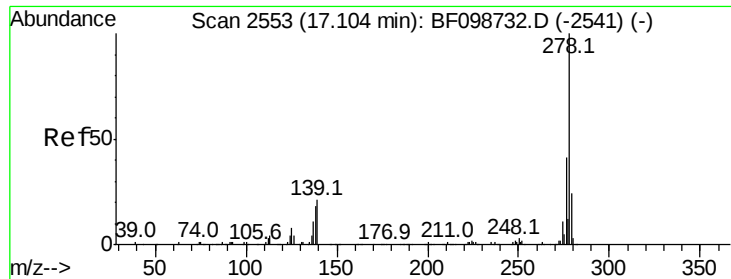
Sohil
10/23/2017 3:15:52 PM



#89
Benzo(a)pyrene
Concen: 17.784 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF099665.D
Acq: 19 Oct 2017 19:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	15.0	9.8	14.6





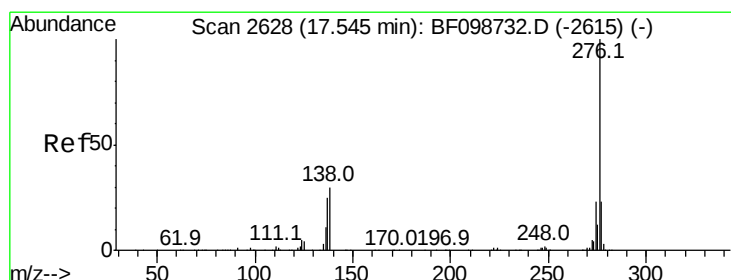
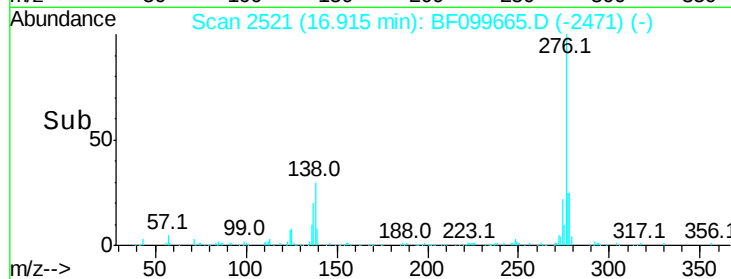
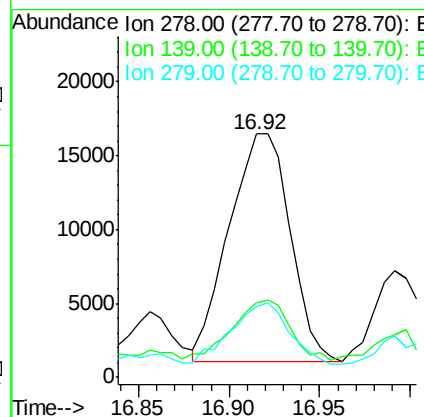
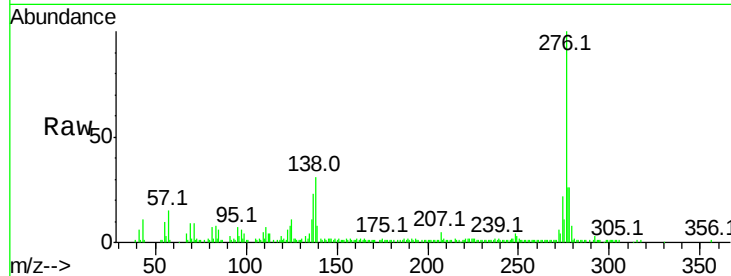
#90
Dibenzo(a,h)anthracene
Concen: 3.485 ng
RT: 16.92 min Scan# 2521
Delta R.T. -0.01 min
Lab File: BF099665.D
Acq: 19 Oct 2017 19:03

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
278	100		
139	30.6	15.9	23.9#
279	28.9	19.0	28.4#

Manual Integrations
APPROVED

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10/23/2017 3:15:52 PM



#91
Benzo(g,h,i)perylene
Concen: 10.740 ng
RT: 17.37 min Scan# 2598
Delta R.T. 0.01 min
Lab File: BF099665.D
Acq: 19 Oct 2017 19:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	32.1	21.8	32.8

