

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
 Data File : BF102214.D
 Acq On : 19 Jan 2018 11:09
 Operator : SJ/JU
 Sample : J1187-09DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-125-9(0-5)DL

Manual Integrations
 APPROVED

Sohil
 1/22/2018 5:23:50 PM

Quant Time: Jan 19 13:53:40 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	123876	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	505983	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	225212	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	362438	20.00	ng	0.00
75) Chrysene-d12	13.87	240	253168	20.00	ng	0.00
86) Perylene-d12	15.30	264	254146	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	102708	11.71	ng	-0.01
7) Phenol-d6	6.35	99	122051	11.66	ng	-0.02
23) Nitrobenzene-d5	7.28	82	70393	8.18	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	25042	12.74	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	138195	9.59	ng	-0.01
78) Terphenyl-d14	12.82	244	153162	12.56	ng	0.00

Target Compounds

						Qvalue
51) Acenaphthene	9.79	154	71969	4.840	ng	98
54) Dibenzofuran	9.96	168	55234	2.707	ng	99
57) Fluorene	10.30	166	88006	6.238	ng	95
70) Phenanthrene	11.27	178	874716	41.316	ng	99
71) Anthracene	11.32	178	285752	13.308	ng	99
72) Carbazole	11.47	167	103829	4.920	ng	98
74) Fluoranthene	12.46	202	1122605	53.895	ng	97
77) Pyrene	12.68	202	997727	44.584	ng	100
80) Benzo(a)anthracene	13.87	228	517838	32.059	ng	100
82) Chrysene	13.90	228	469974	27.903	ng	97
83) Bis(2-ethylhexyl)phthalate	13.86	149	28179	2.392	ng	98
85) Indeno(1,2,3-cd)pyrene	16.68	276	234525	19.131	ng	93
87) Benzo(b)fluoranthene	14.89	252	594364m	35.867	ng	
88) Benzo(k)fluoranthene	14.92	252	196085m	12.266	ng	
89) Benzo(a)pyrene	15.24	252	424870	28.492	ng	97
90) Dibenzo(a,h)anthracene	16.69	278	62371	5.241	ng	# 84
91) Benzo(g,h,i)perylene	17.10	276	208956	17.432	ng	95

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

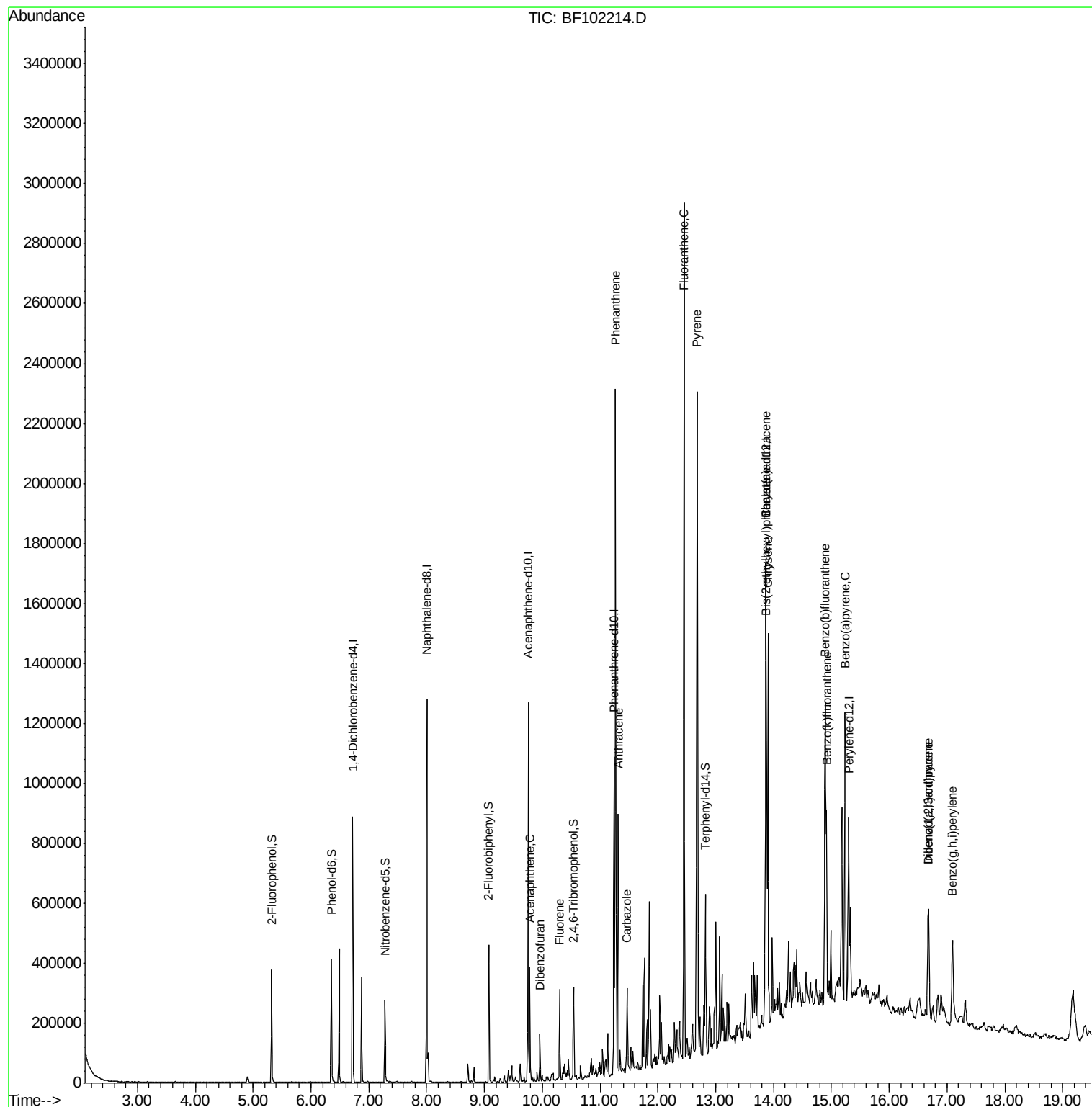
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
Data File : BF102214.D
Acq On : 19 Jan 2018 11:09
Operator : SJ/JU
Sample : J1187-09DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

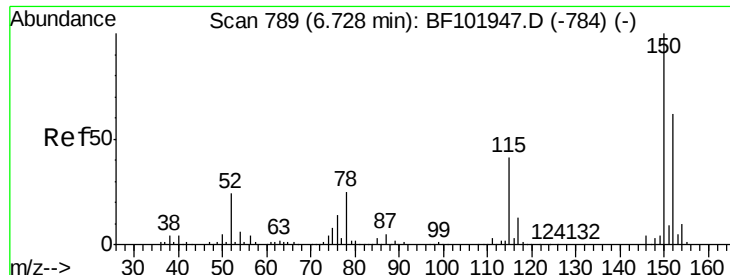
Instrument :
BNA_F
ClientSampleId :
EPE-125-9(0-5)DL

Manual Integrations
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Quant Time: Jan 19 13:53:40 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

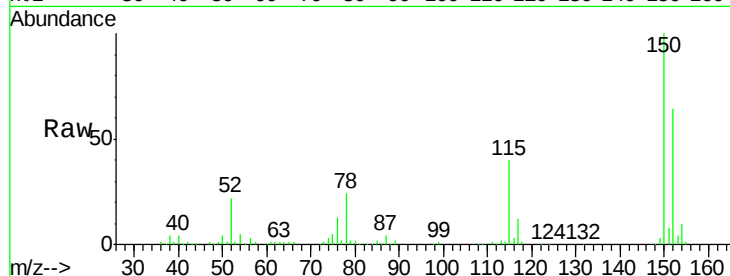
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF102214.D
Acq: 19 Jan 2018 11:09

Instrument :
BNA_F
ClientSampleId :
EPE-125-9(0-5)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	61.6	50.1	75.1

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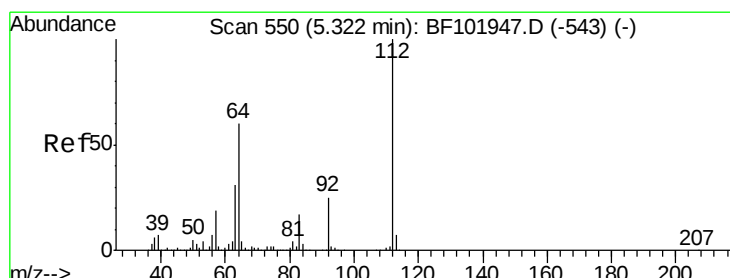
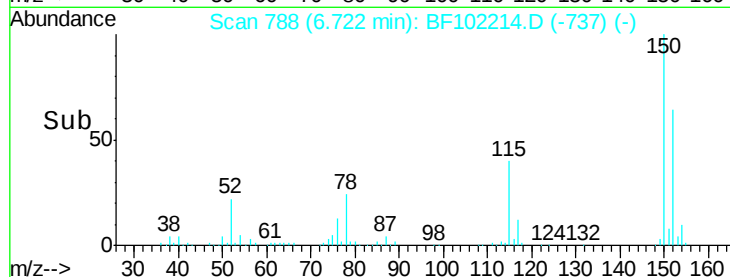
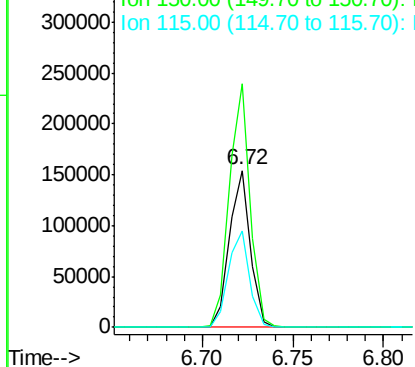


Abundance

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: 11.708 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102214.D
Acq: 19 Jan 2018 11:09

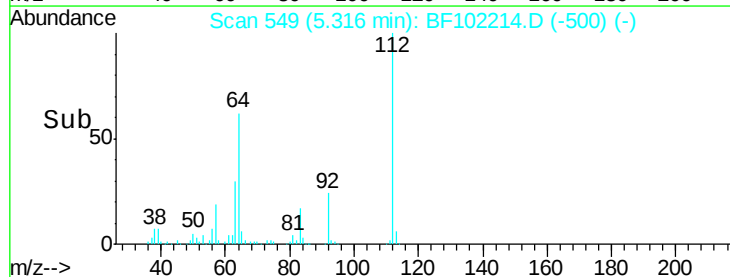
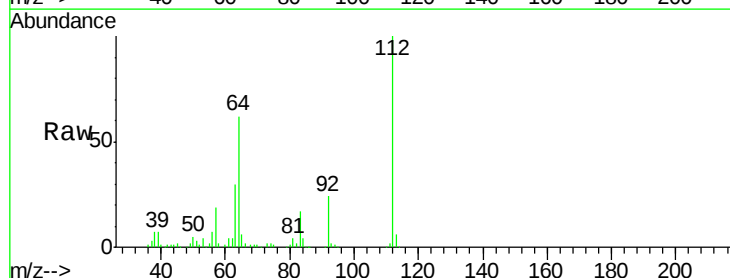
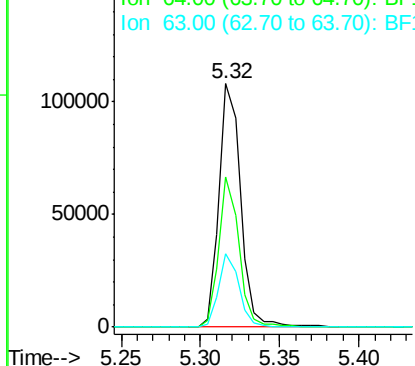
Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	47.9	71.9
63	30.2	23.7	35.5

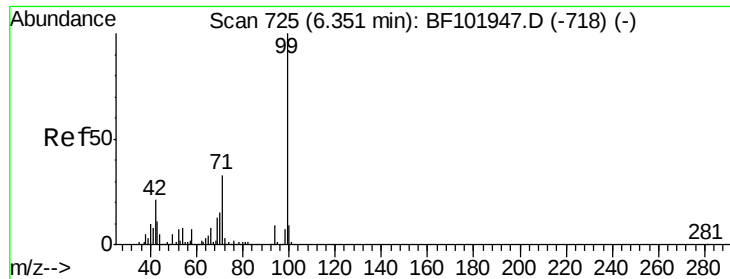
Abundance

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: 11.661 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF102214.D

Acq: 19 Jan 2018 11:09

Instrument :

BNA_F

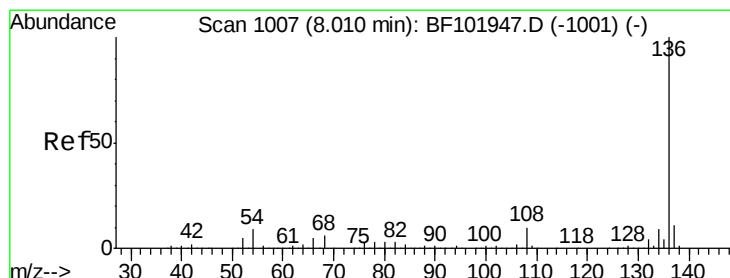
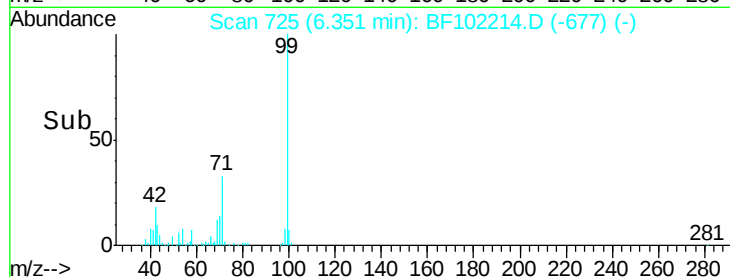
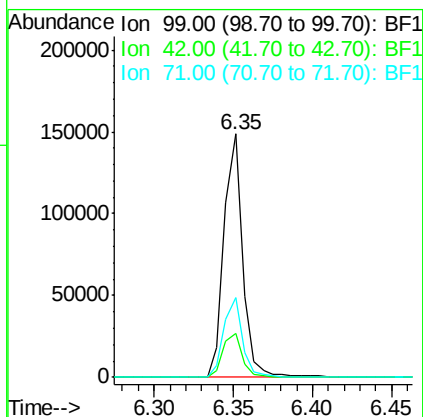
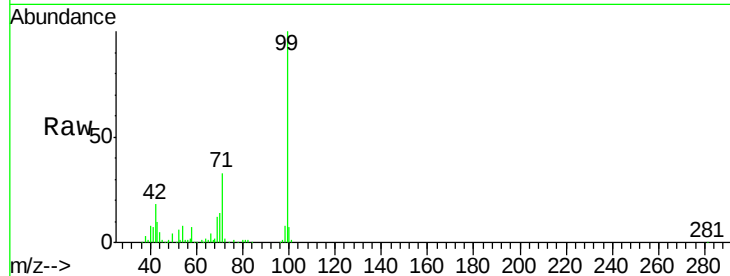
ClientSampled :

EPE-125-9(0-5)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		122051		
42	17.8	14.5	21.7		
71	32.7	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

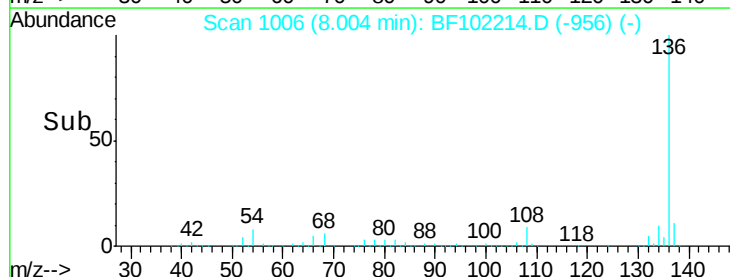
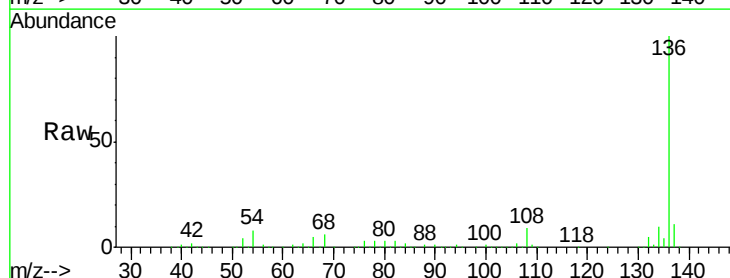
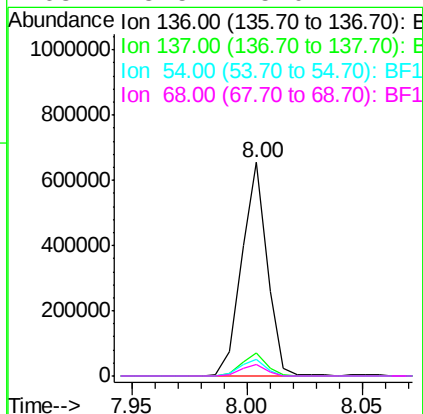
RT: 8.00 min Scan# 1006

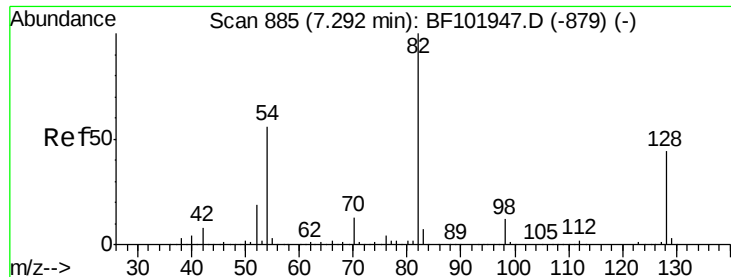
Delta R.T. -0.01 min

Lab File: BF102214.D

Acq: 19 Jan 2018 11:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		505983		
137	10.5	8.9	13.3		
54	7.9	6.6	9.8		
68	5.5	5.0	7.4		





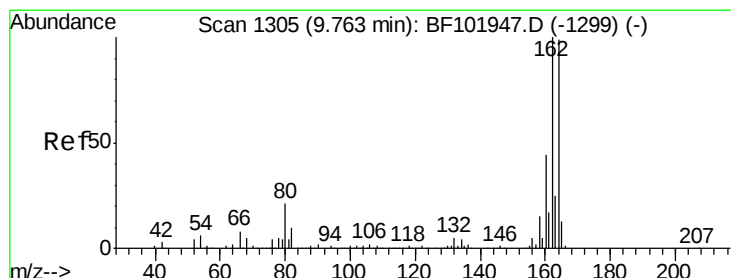
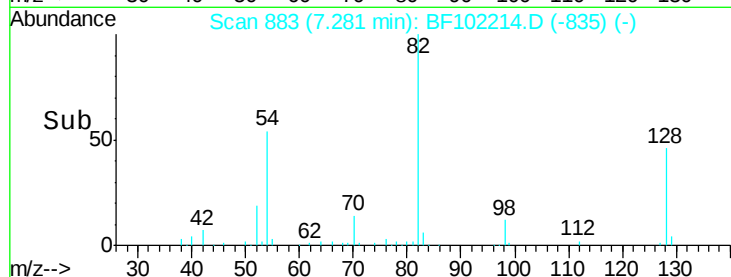
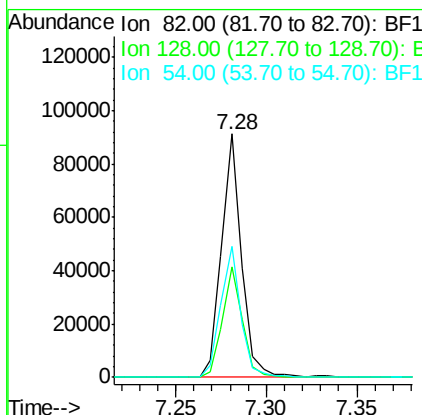
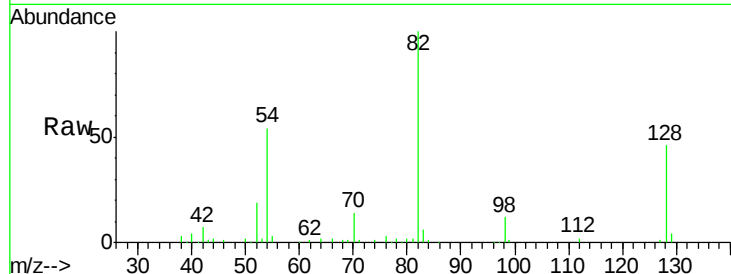
#23
Nitrobenzene-d5
Concen: 8.175 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF102214.D
Acq: 19 Jan 2018 11:09

Instrument :
BNA_F
ClientSampleId :
EPE-125-9(0-5)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.1	54.1
54	53.7	41.4	62.2

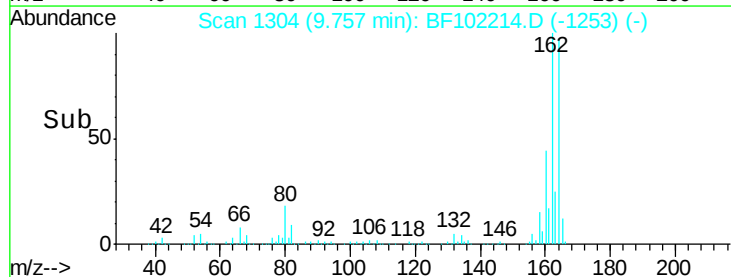
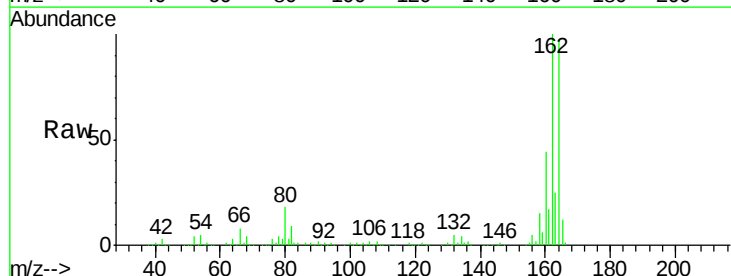
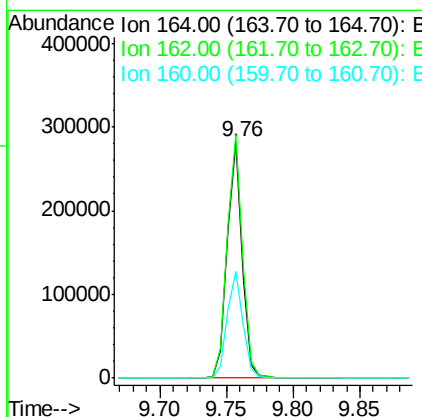
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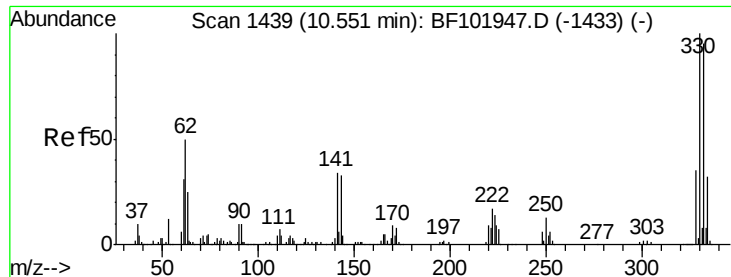
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF102214.D
Acq: 19 Jan 2018 11:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	86.1	129.1
160	45.1	38.3	57.5





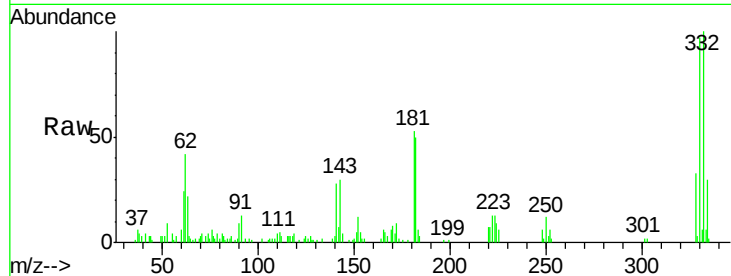
#41
 2,4,6-Tribromophenol
 Concen: 12.741 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102214.D
 Acq: 19 Jan 2018 11:09

Instrument :
 BNA_F
 ClientSampleId :
 EPE-125-9(0-5)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	42.0	29.9	44.9

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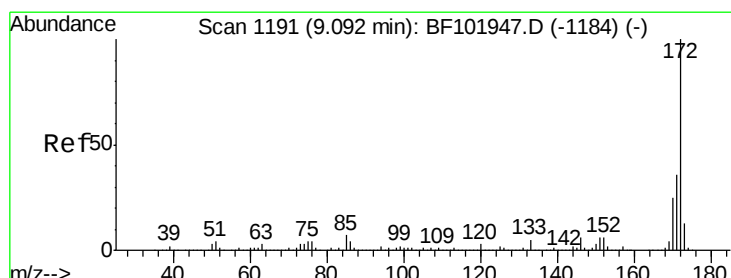
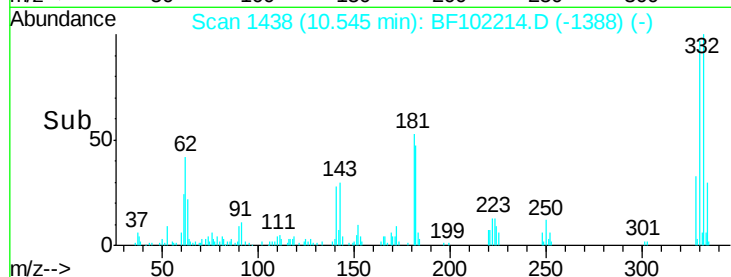
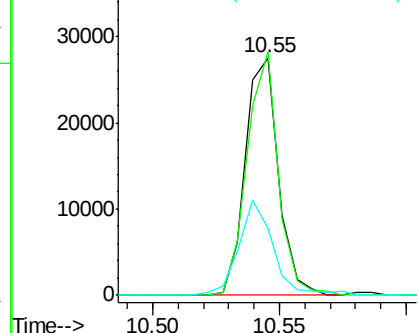


Abundance

Ion 329.80 (329.50 to 330.50): E

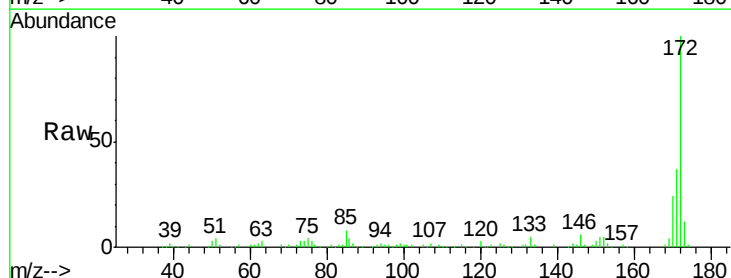
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 9.586 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102214.D
 Acq: 19 Jan 2018 11:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.7	44.5
170	24.1	19.6	29.4

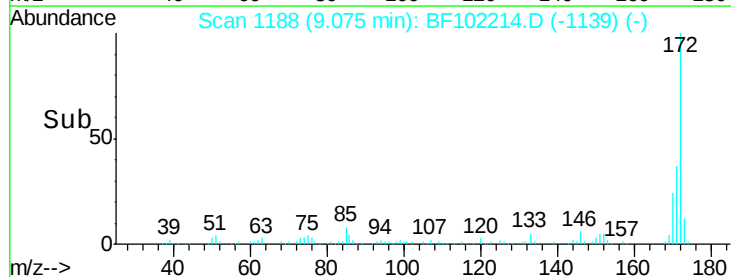
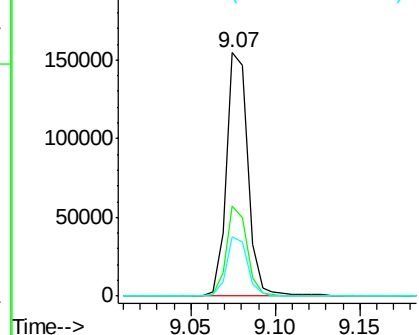


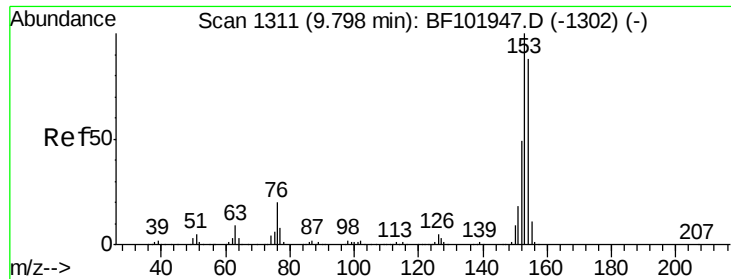
Abundance

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: 4.840 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF102214.D

Acq: 19 Jan 2018 11:09

Instrument :

BNA_F

ClientSampleId :

EPE-125-9(0-5)DL

Tot Ion:154 Resp: 71969

Ion Ratio Lower Upper

154 100

153 116.9 91.2 136.8

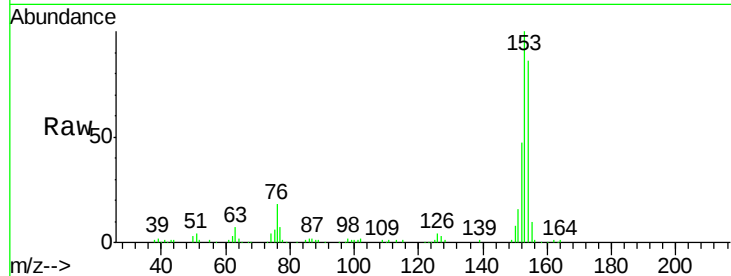
152 54.7 43.8 65.8

Manual Integrations

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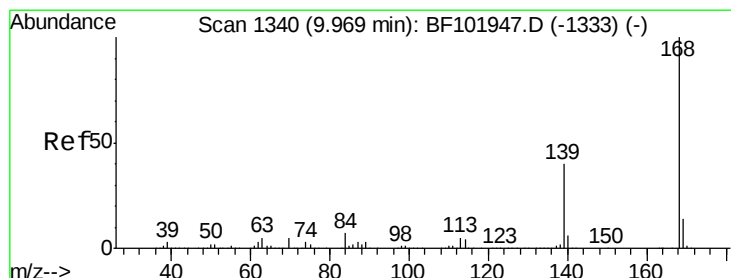
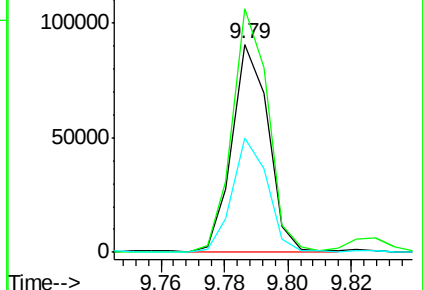
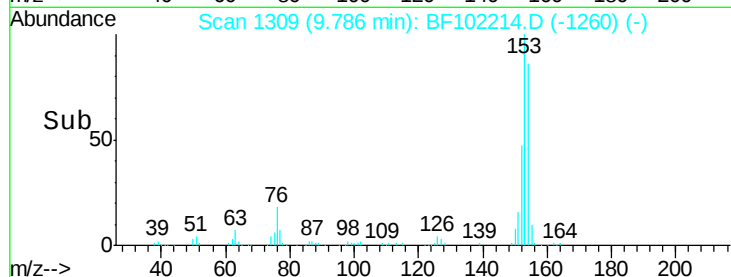
1/22/2018 5:23:50 PM



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

Dibenzofuran

Concen: 2.707 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF102214.D

Acq: 19 Jan 2018 11:09

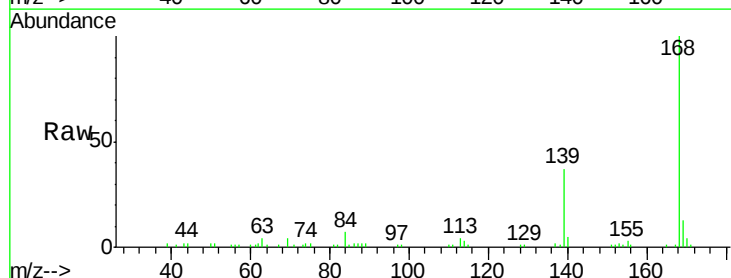
Tgt Ion:168 Resp: 55234

Ion Ratio Lower Upper

168 100

139 37.2 30.1 45.1

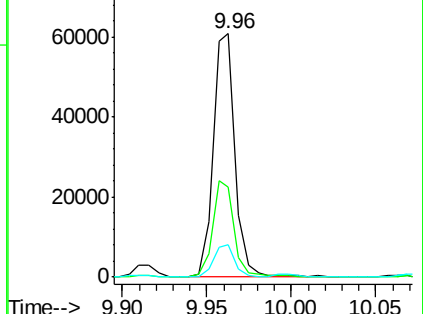
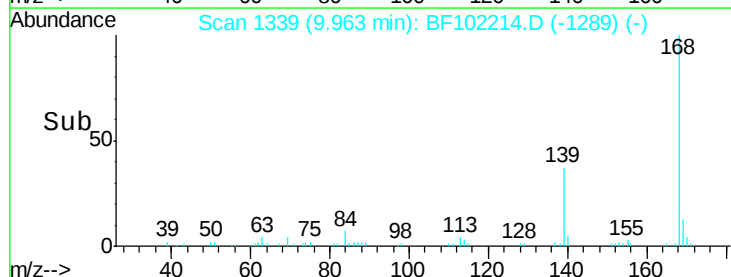
169 13.2 10.9 16.3

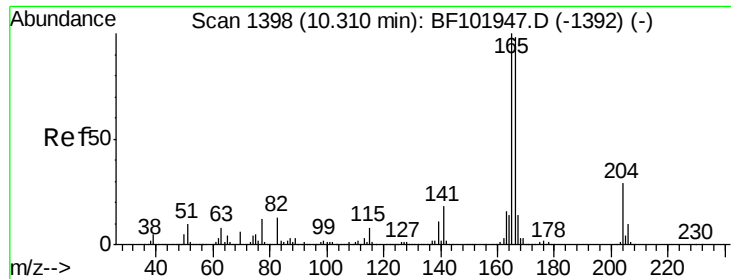


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





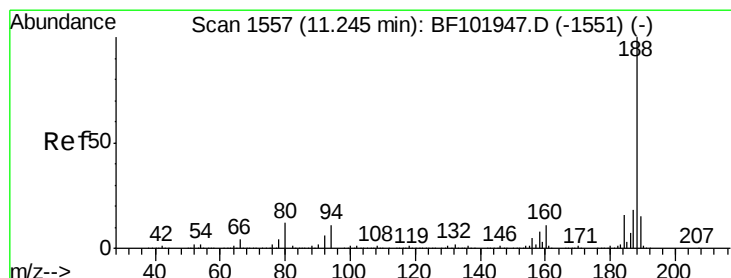
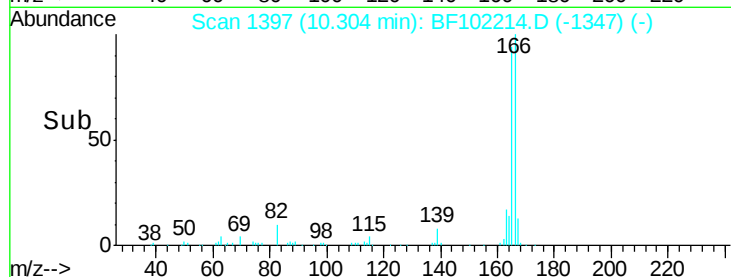
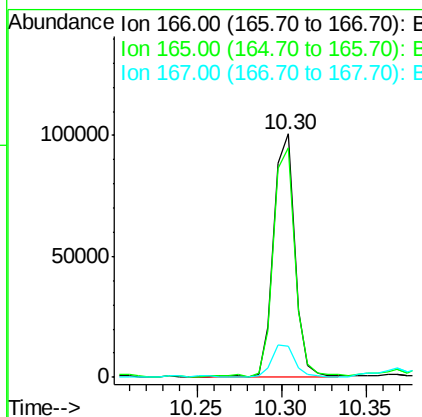
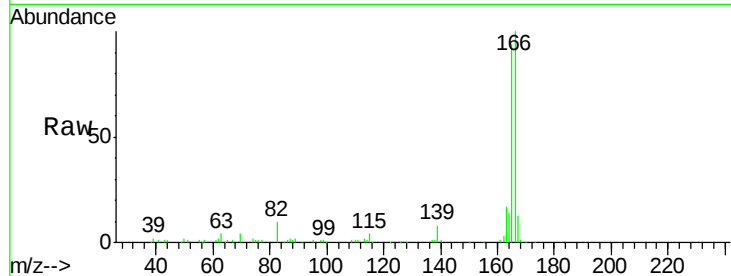
#57
Fluorene
 Concen: 6.238 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF102214.D
 Acq: 19 Jan 2018 11:09

Instrument :
 BNA_F
 ClientSampleId :
 EPE-125-9(0-5)DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.3	79.8	119.8
167	12.9	10.6	16.0

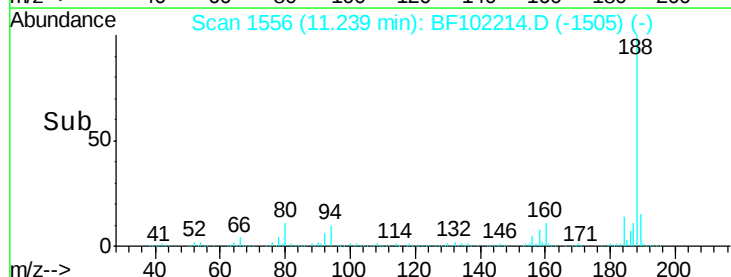
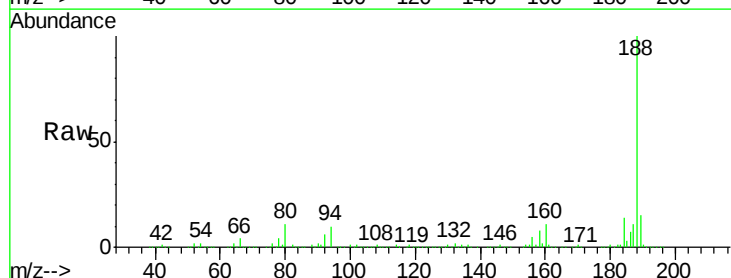
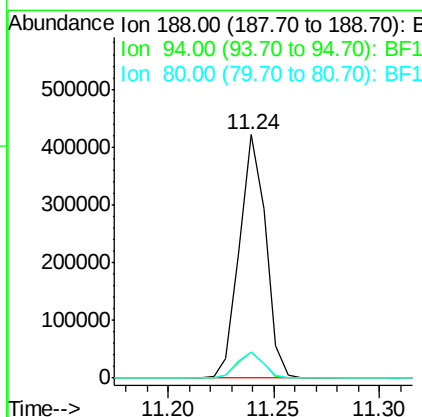
Manual Integrations
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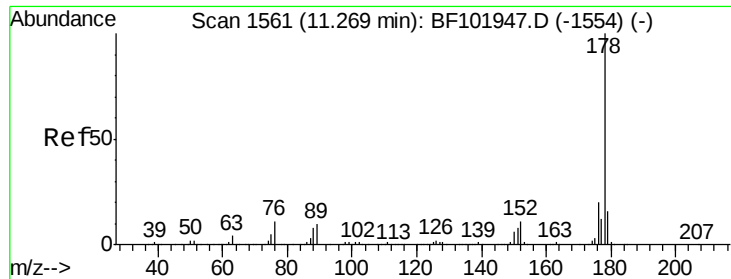
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: BF102214.D
 Acq: 19 Jan 2018 11:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	10.7	9.2	13.8





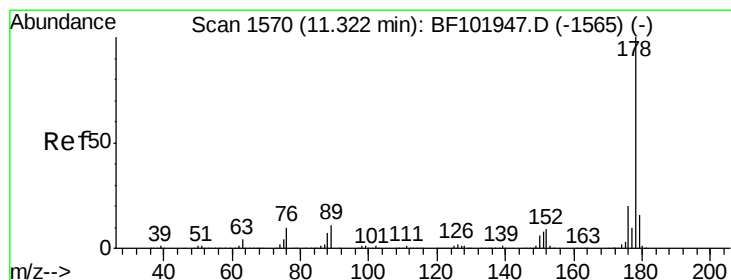
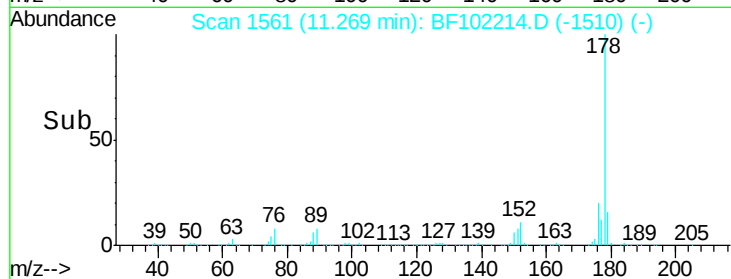
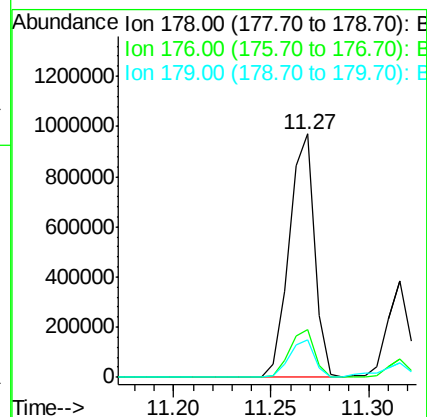
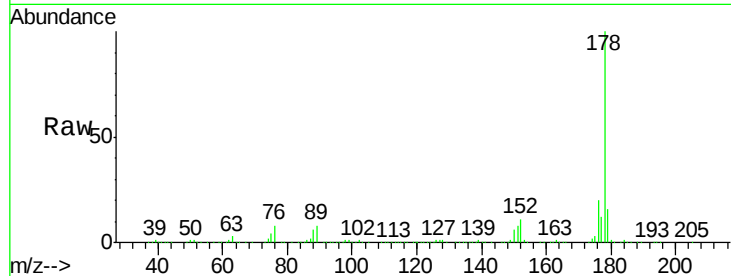
#70
Phenanthrene
Concen: 41.316 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF102214.D
Acq: 19 Jan 2018 11:09

Instrument :
BNA_F
ClientSampleId :
EPE-125-9(0-5)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.6	13.0	19.6

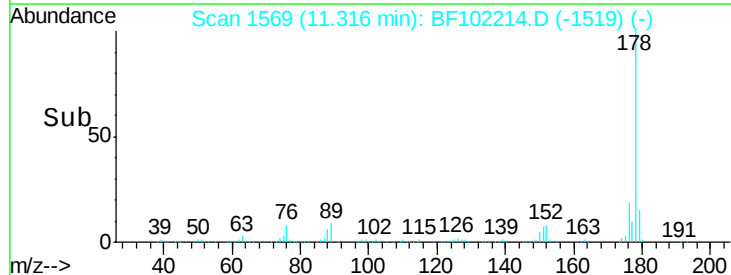
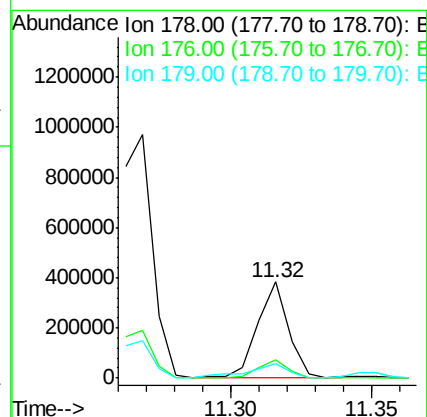
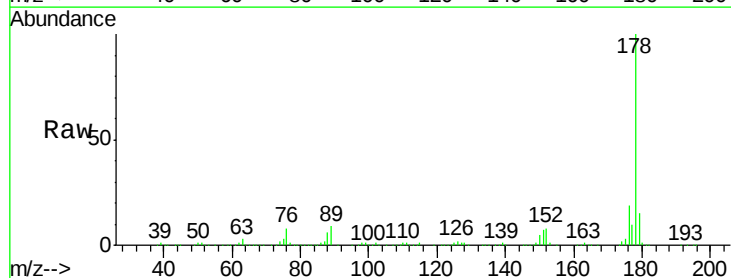
Manual Integrations
APPROVED

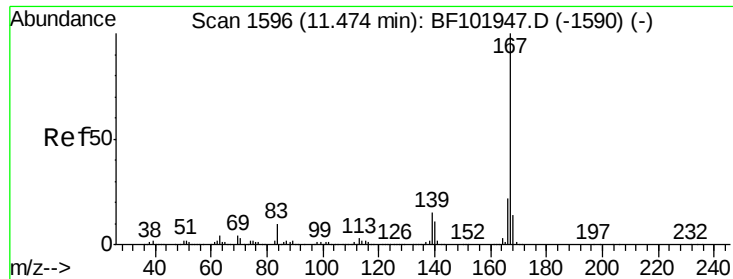
Sohil
1/22/2018 5:23:50 PM



#71
Anthracene
Concen: 13.308 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF102214.D
Acq: 19 Jan 2018 11:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.3	12.6	19.0





#72

Carbazole

Concen: 4.920 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF102214.D

Acq: 19 Jan 2018 11:09

Instrument :

BNA_F

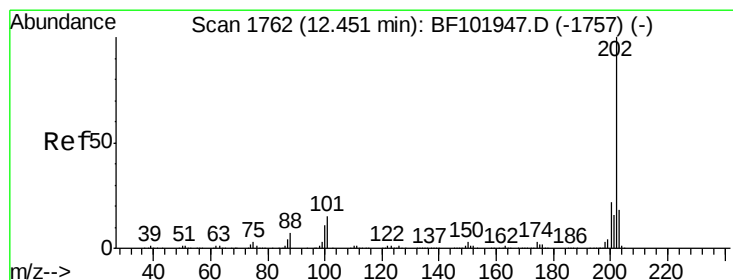
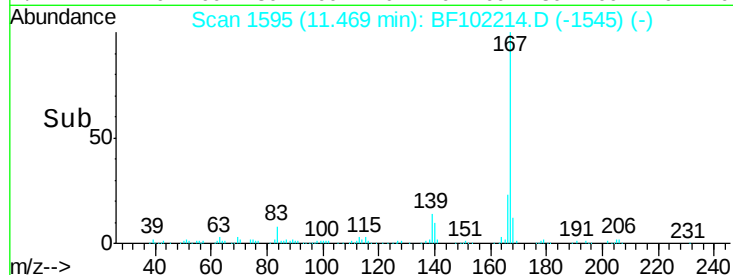
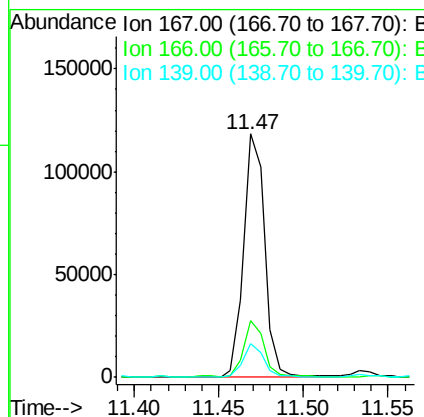
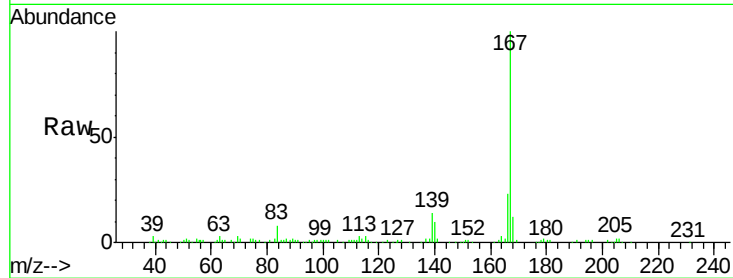
ClientSampleId :

EPE-125-9(0-5)DL

Tot Ion:	167	Resp:	103829
Ion Ratio	Lower	Upper	
167	100		
166	23.1	17.6	26.4
139	13.9	10.9	16.3

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#74

Fluoranthene

Concen: 53.895 ng

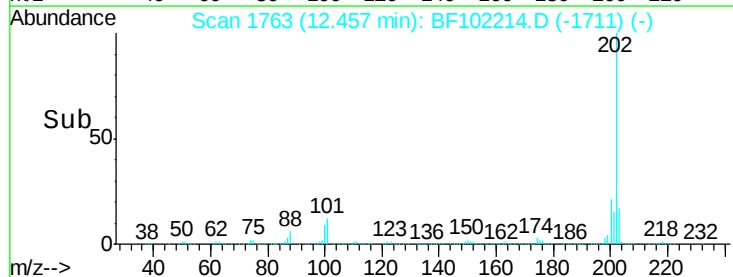
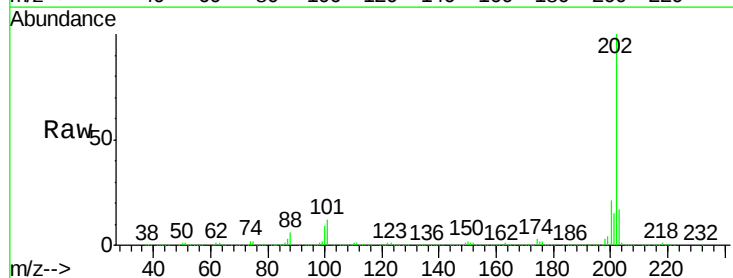
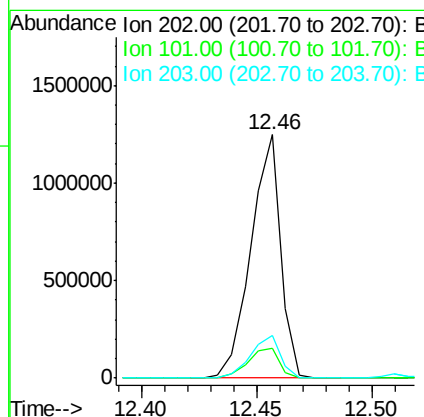
RT: 12.46 min Scan# 1763

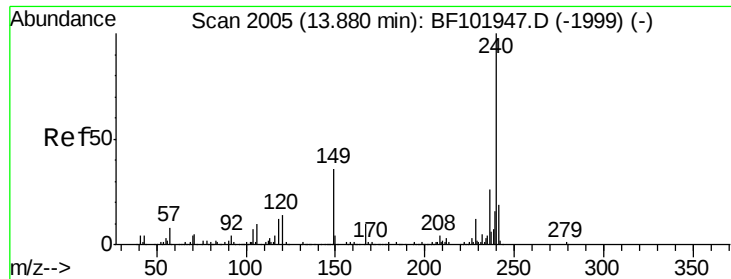
Delta R.T. 0.01 min

Lab File: BF102214.D

Acq: 19 Jan 2018 11:09

Tgt Ion:	202	Resp:	1122605
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF102214.D

Acq: 19 Jan 2018 11:09

Instrument :

BNA_F

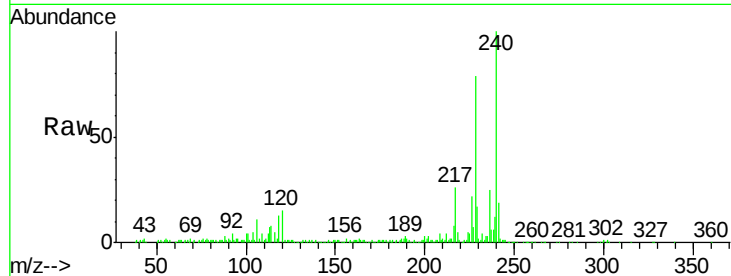
ClientSampleID :

EPE-125-9(0-5)DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.1	9.5	14.3
236	25.3	20.7	31.1

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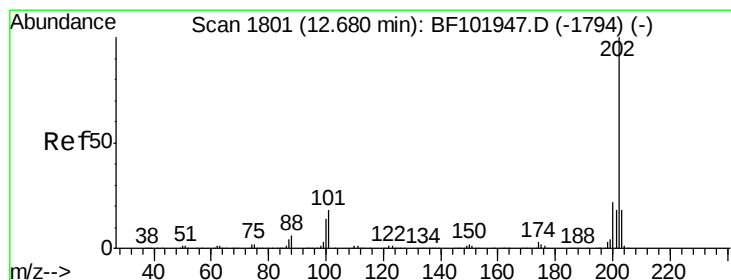
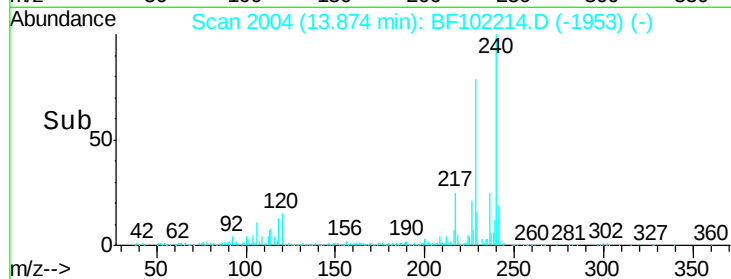
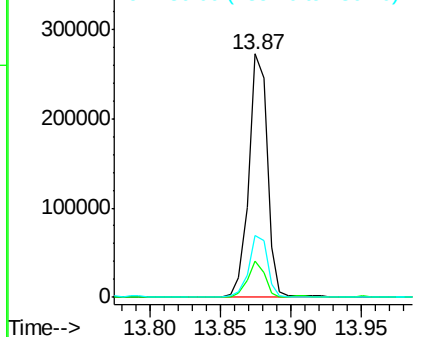
Sohil
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 44.584 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102214.D

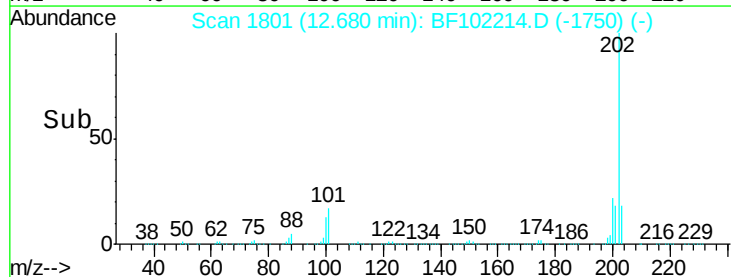
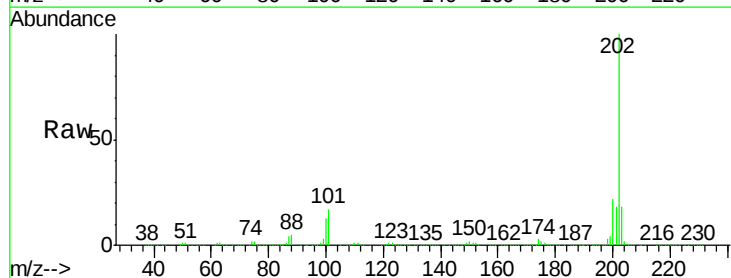
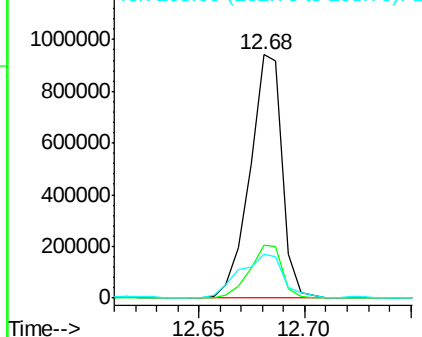
Acq: 19 Jan 2018 11:09

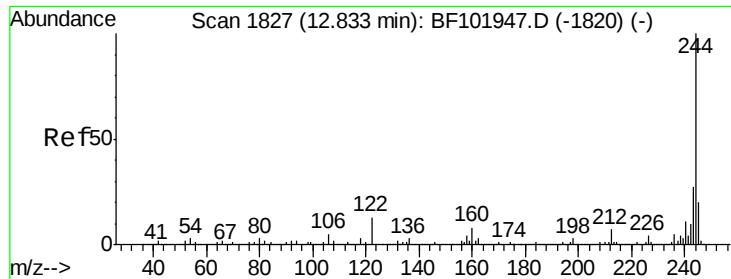
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	17.9	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





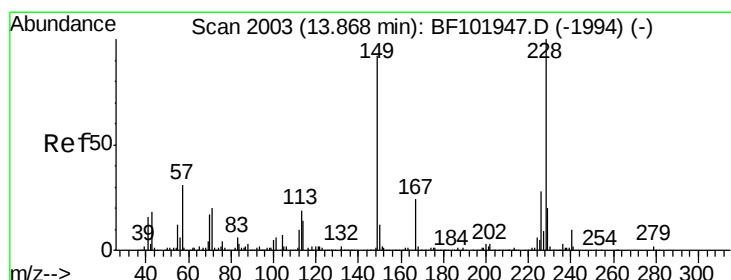
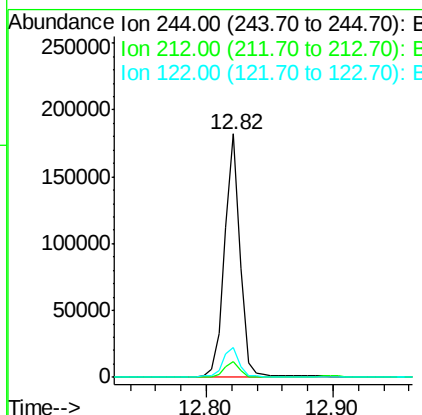
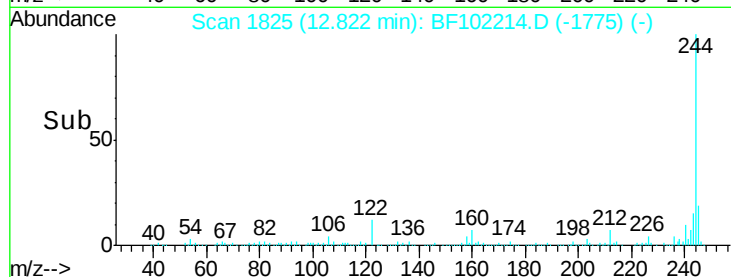
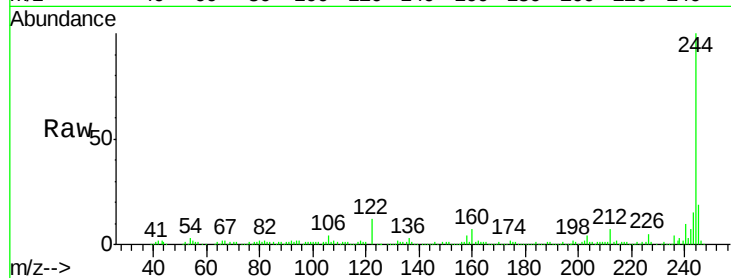
#78
 Terphenyl-d14
 Concen: 12.561 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF102214.D
 Acq: 19 Jan 2018 11:09

Instrument :
 BNA_F
 ClientSampleId :
 EPE-125-9(0-5)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	12.3	11.0	16.4

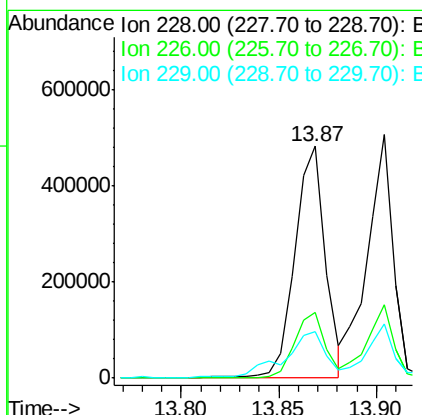
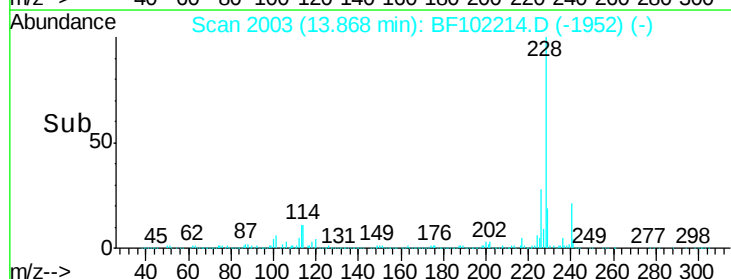
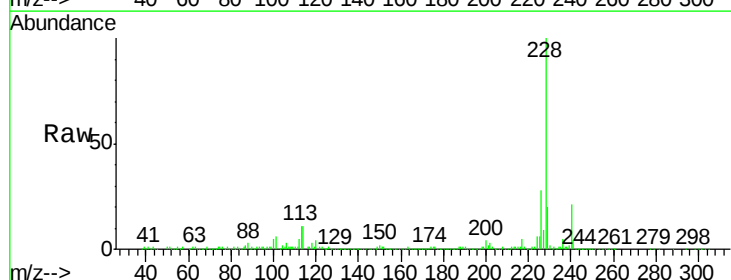
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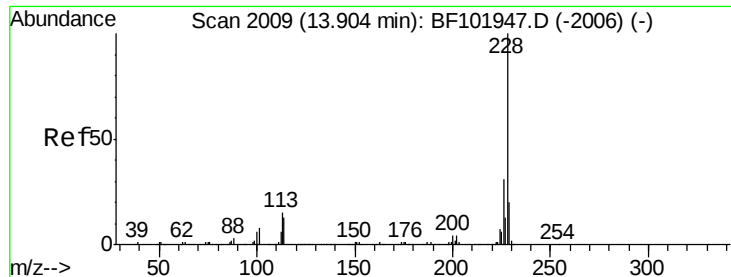
Sohil
 1/22/2018 5:23:50 PM



#80
 Benzo(a)anthracene
 Concen: 32.059 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: BF102214.D
 Acq: 19 Jan 2018 11:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	19.8	15.8	23.6





#82

Chrysene

Concen: 27.903 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF102214.D

Acq: 19 Jan 2018 11:09

Instrument :

BNA_F

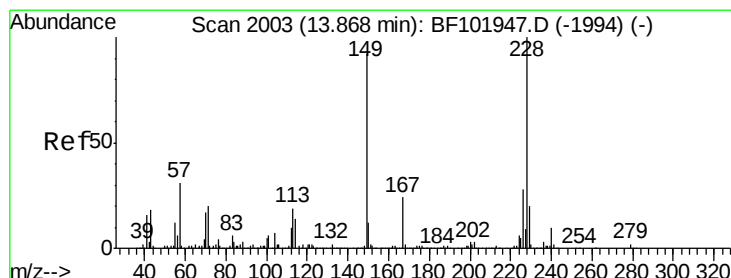
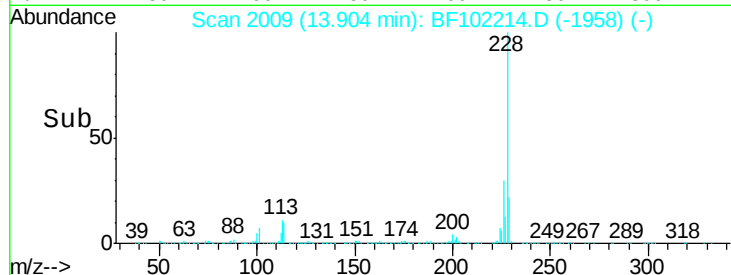
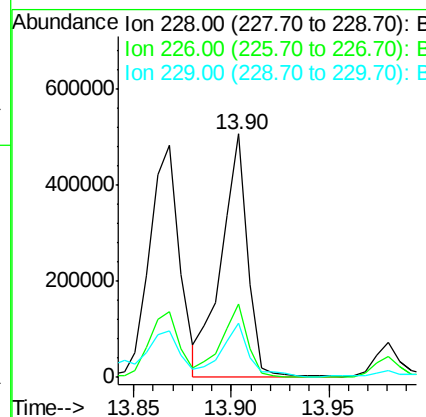
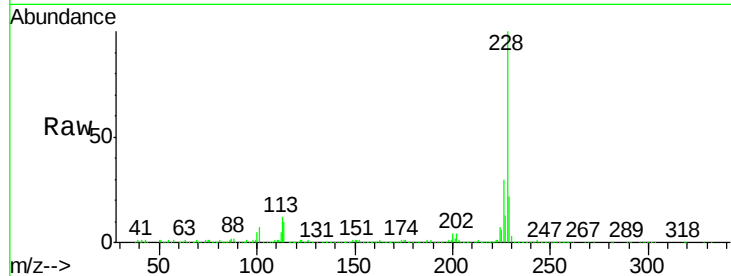
ClientSampleId :

EPE-125-9(0-5)DL

Tot Ion:	228	Resp:	469974
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.6
229	22.1	16.2	24.4

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1/22/2018 5:23:50 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.392 ng

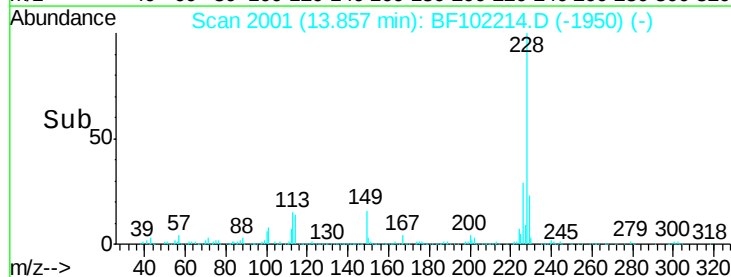
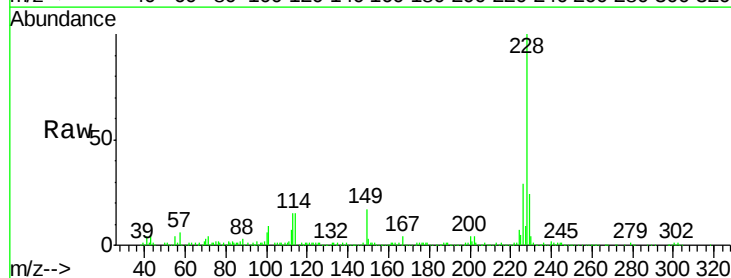
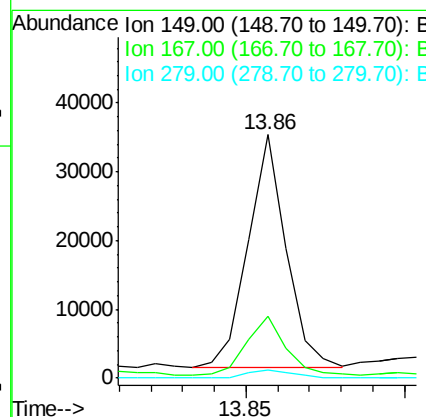
RT: 13.86 min Scan# 2001

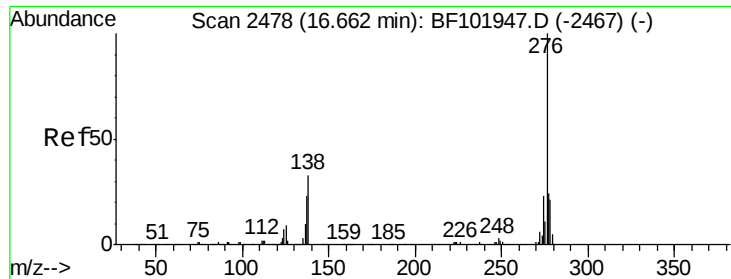
Delta R.T. 0.00 min

Lab File: BF102214.D

Acq: 19 Jan 2018 11:09

Tgt Ion:	149	Resp:	28179
Ion Ratio	Lower	Upper	
149	100		
167	25.5	21.3	31.9
279	3.1	3.0	4.4





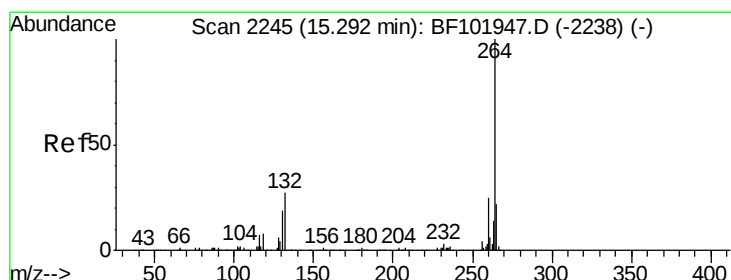
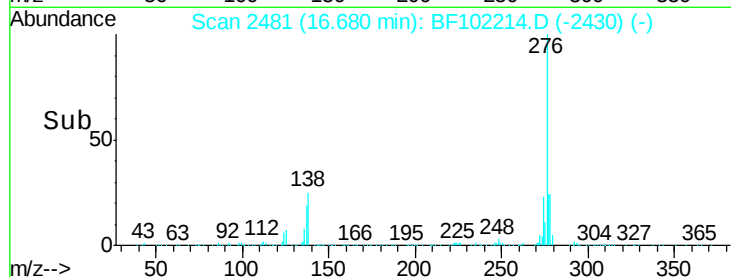
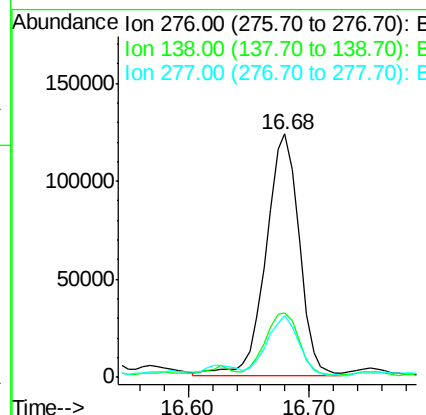
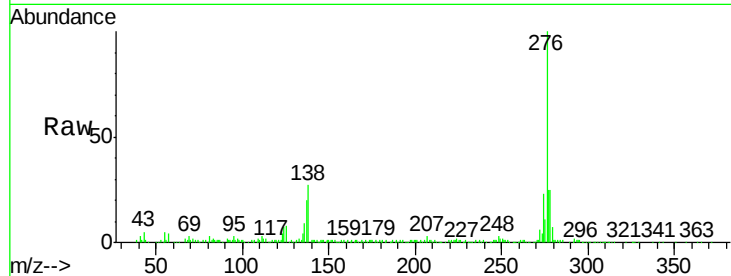
#85
Indeno(1,2,3-cd)pyrene
Concen: 19.131 ng
RT: 16.68 min Scan# 2481
Delta R.T. 0.00 min
Lab File: BF102214.D
Acq: 19 Jan 2018 11:09

Instrument :
BNA_F
ClientSampleId :
EPE-125-9(0-5)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.2	25.0	37.6
277	23.3	20.1	30.1

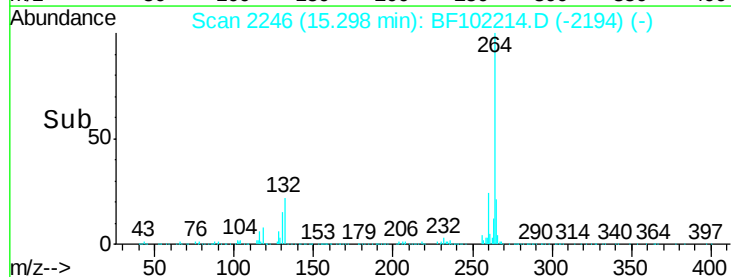
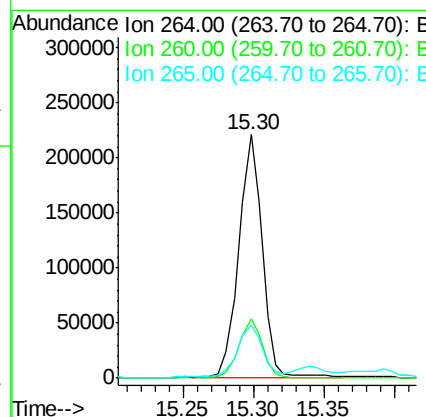
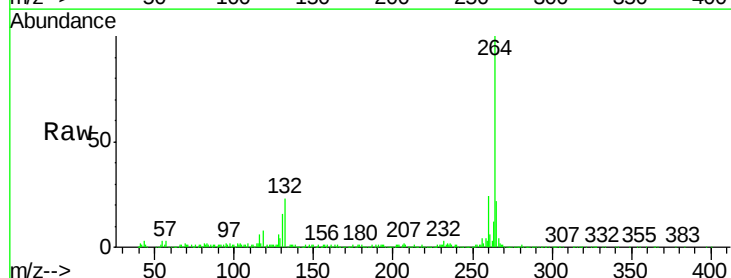
Manual Integrations
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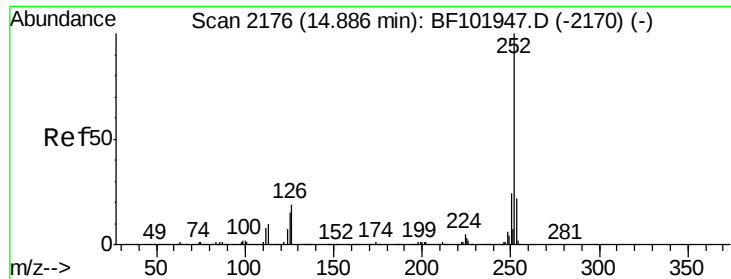
Sohil
1/22/2018 5:23:50 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF102214.D
Acq: 19 Jan 2018 11:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.6	17.5	26.3





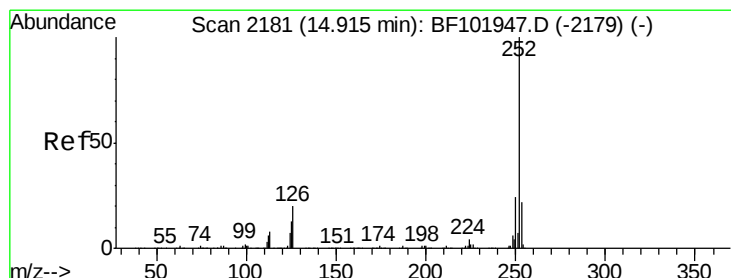
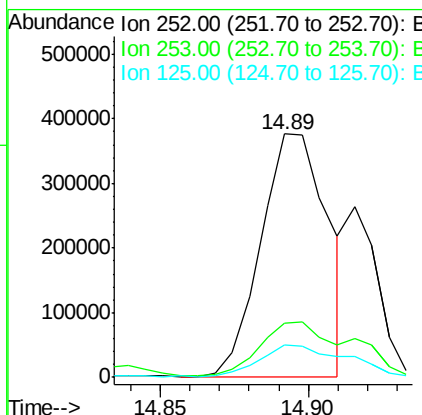
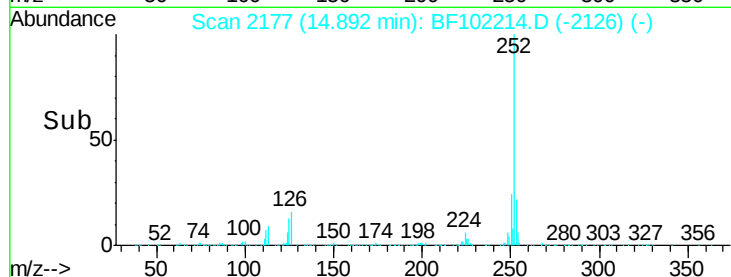
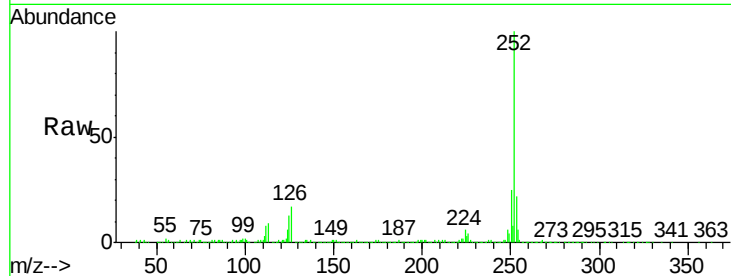
#87
Benzo(b)fluoranthene
Concen: 35.867 ng m
RT: 14.89 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BF102214.D
Acq: 19 Jan 2018 11:09

Instrument :
BNA_F
ClientSampleID :
EPE-125-9(0-5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	13.4	9.0	13.6

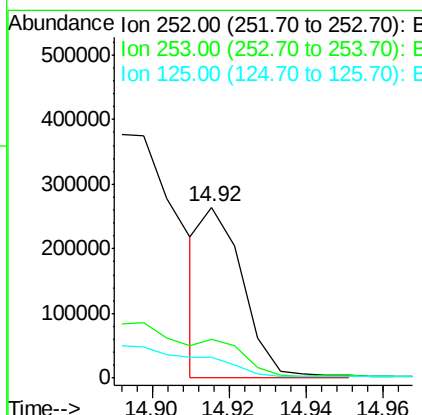
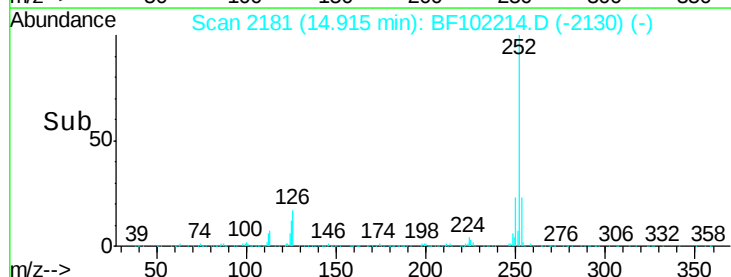
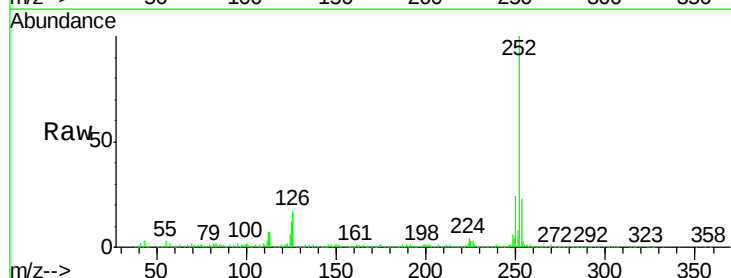
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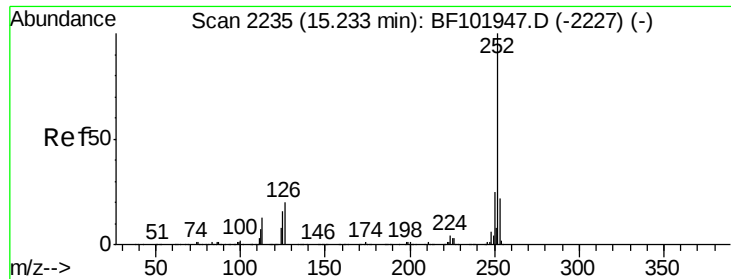
Sohil
1/22/2018 5:23:50 PM



#88
Benzo(k)fluoranthene
Concen: 12.266 ng m
RT: 14.92 min Scan# 2181
Delta R.T. 0.00 min
Lab File: BF102214.D
Acq: 19 Jan 2018 11:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	12.0	10.2	15.2





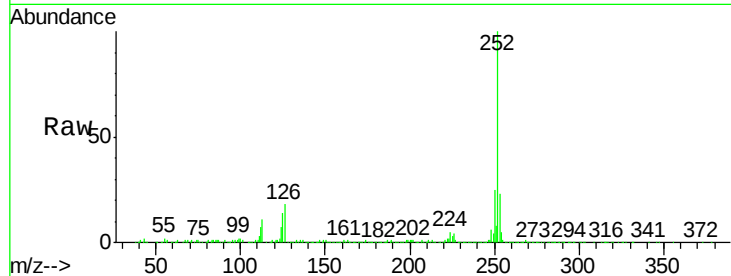
#89
Benzo(a)pyrene
Concen: 28.492 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF102214.D
Acq: 19 Jan 2018 11:09

Instrument :
BNA_F
ClientSampleId :
EPE-125-9(0-5)DL

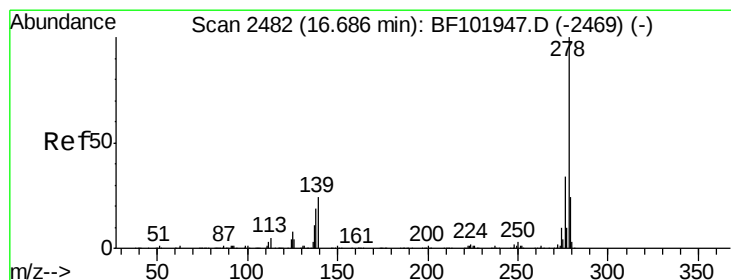
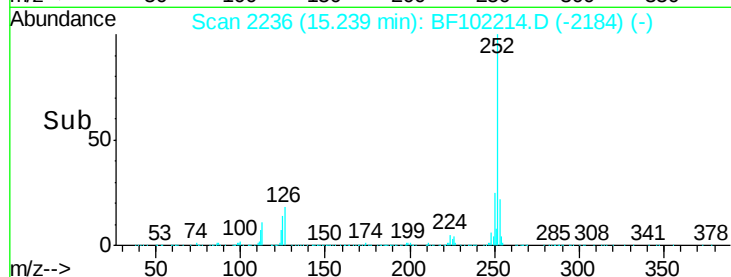
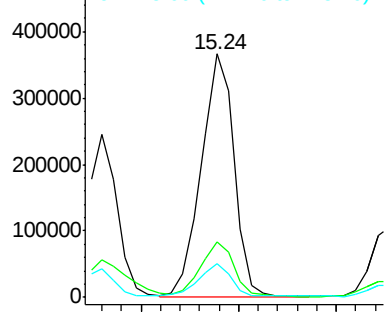
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	14.0	9.8	14.6

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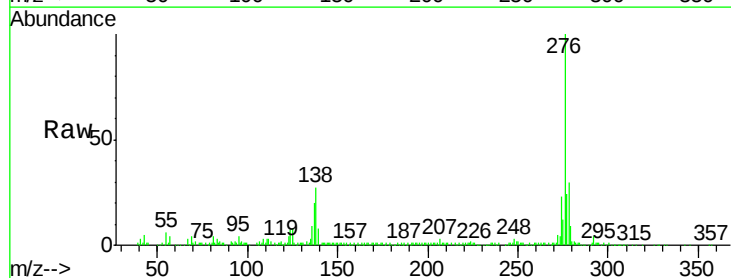


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

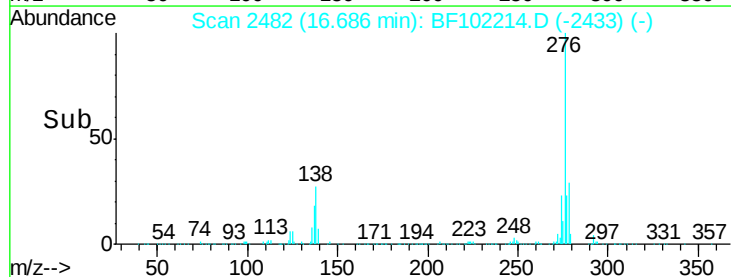
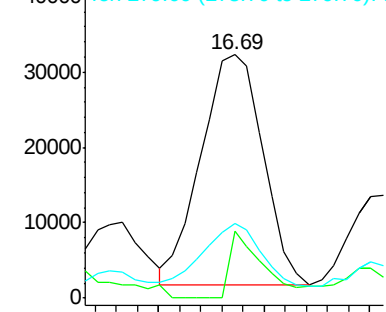


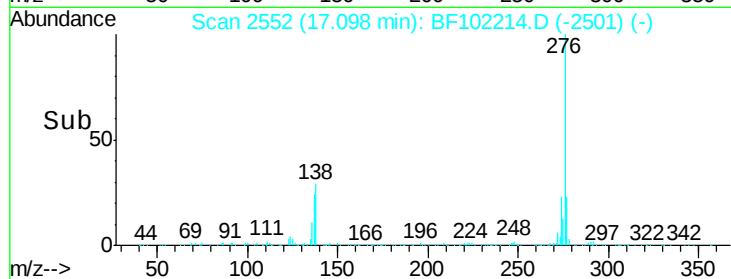
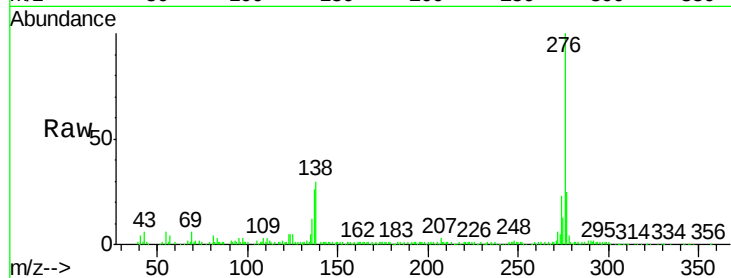
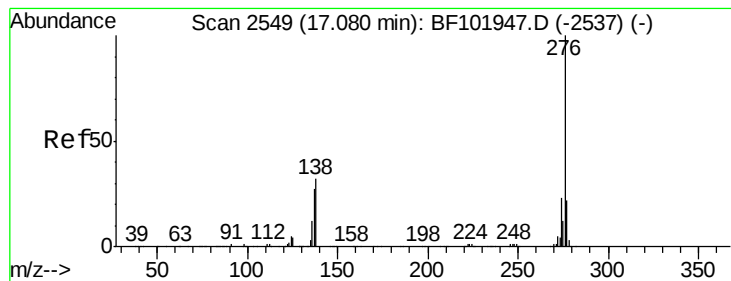
#90
Dibenzo(a,h)anthracene
Concen: 5.241 ng
RT: 16.69 min Scan# 2482
Delta R.T. -0.01 min
Lab File: BF102214.D
Acq: 19 Jan 2018 11:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.6	15.9	23.9#
279	30.8	19.0	28.4#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 17.432 ng

RT: 17.10 min Scan# 2552

Delta R.T. 0.00 min

Lab File: BF102214.D

Acq: 19 Jan 2018 11:09

Instrument :

BNA_F

ClientSampleId :

EPE-125-9(0-5)DL

Tot Ion: 276 Resp: 208956

Ion Ratio Lower Upper

276 100

277 24.8 17.9 26.9

138 29.9 21.8 32.8

Manual Integrations

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