

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099414.D
 Acq On : 13 Oct 2017 00:15
 Operator : SJ/JU
 Sample : I5729-12 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6E-(1-2)

Manual Integrations
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Sohil
 10/13/2017 3:06:34 PM

Quant Time: Oct 13 04:30:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	112134	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	433133	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	168564	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	239262	20.00	ng	0.00
75) Chrysene-d12	14.02	240	211754	20.00	ng	0.00
86) Perylene-d12	15.49	264	174997	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	154757	21.97	ng	0.00
7) Phenol-d6	6.48	99	187598	21.59	ng	0.00
23) Nitrobenzene-d5	7.41	82	104002	15.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	22697	16.46	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	211043	20.90	ng	0.00
78) Terphenyl-d14	12.95	244	131245	14.10	ng	0.00
Target Compounds						
48) Acenaphthylene	9.75	152	39881	2.395	ng	99
70) Phenanthrene	11.40	178	65139	5.086	ng	99
74) Fluoranthene	12.59	202	321352	24.779	ng	99
77) Pyrene	12.82	202	280990	17.402	ng	99
80) Benzo(a)anthracene	14.00	228	198479	15.479	ng	99
82) Chrysene	14.04	228	151464	12.408	ng	97
85) Indeno(1,2,3-cd)pyrene	16.96	276	64592	6.615	ng	99
87) Benzo(b)fluoranthene	15.06	252	226105m	21.014	ng	
88) Benzo(k)fluoranthene	15.08	252	65884m	6.200	ng	
89) Benzo(a)pyrene	15.42	252	133371	13.504	ng	# 95
90) Dibenzo(a,h)anthracene	16.97	278	20649m	2.612	ng	
91) Benzo(a,h,i)perylene	17.42	276	57606	7.373	ng	95

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

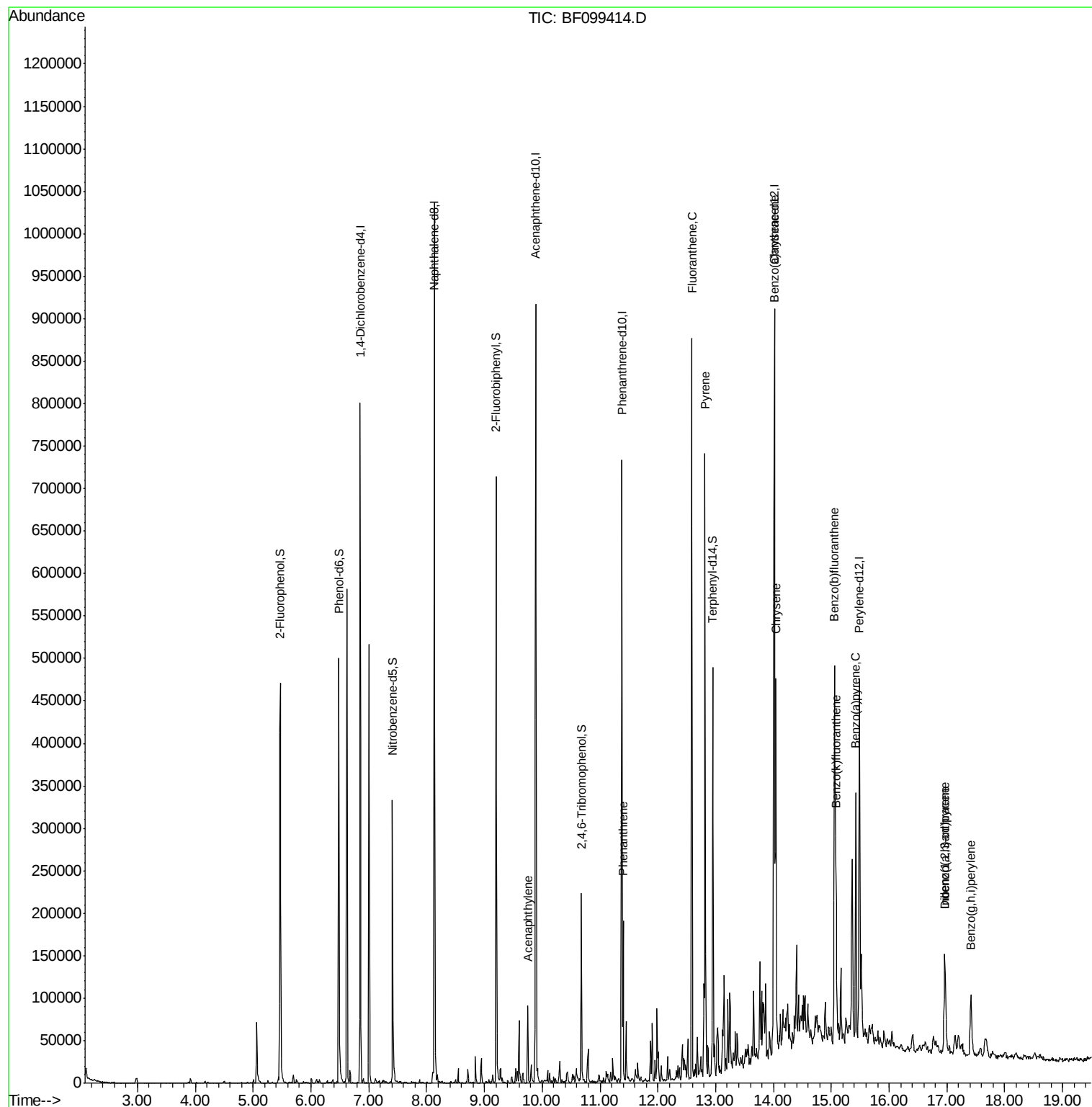
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099414.D
Acq On : 13 Oct 2017 00:15
Operator : SJ/JU
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Misc :
ALS Vial : 19 Sample Multiplier: 1

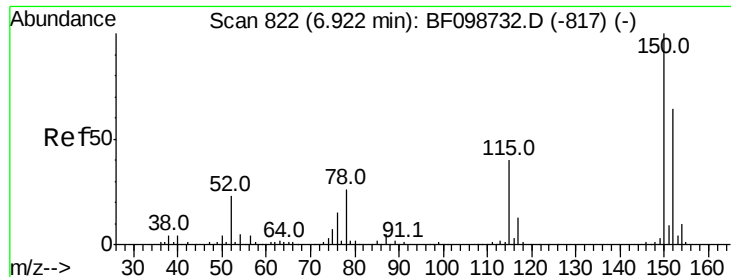
Instrument :
BNA_F
ClientSampleId :
6E-(1-2)

Manual Integrations
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Quant Time: Oct 13 04:30:17 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
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#1

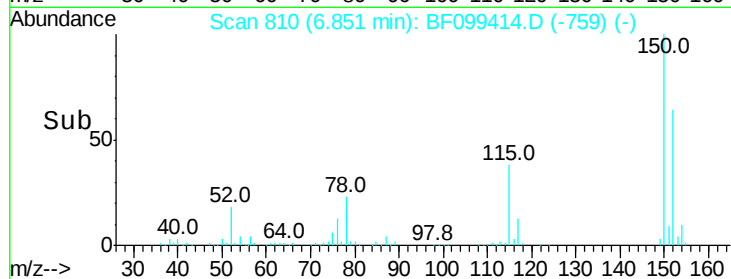
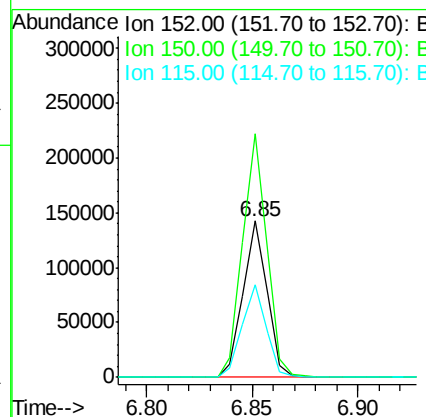
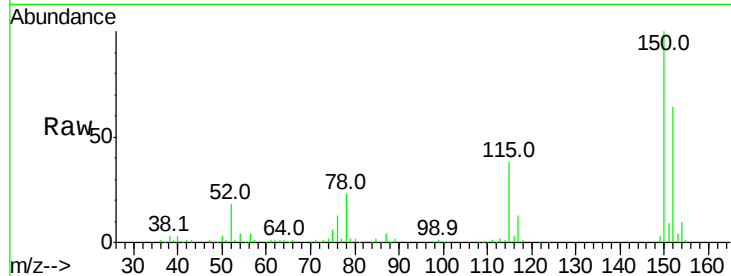
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF099414.D
Acq: 13 Oct 2017 00:15

Instrument :
BNA_F
ClientSampleId :
6E-(1-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	59.0	50.1	75.1

Manual Integrations
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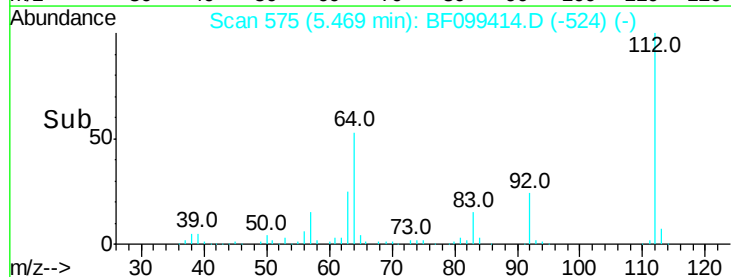
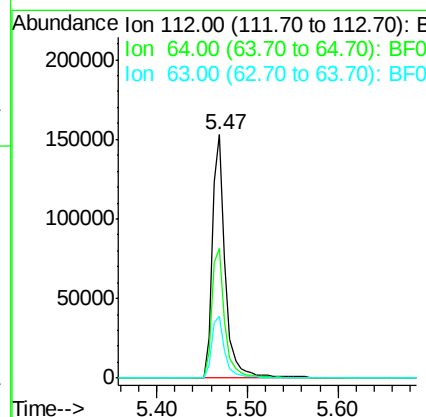
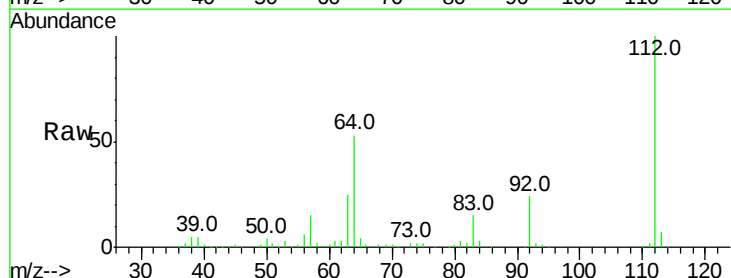
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#5

2-Fluorophenol
Concen: 21.970 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF099414.D
Acq: 13 Oct 2017 00:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	47.9	71.9
63	25.3	23.7	35.5





#7

Phenol-d6

Concen: 21.589 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099414.D

Acq: 13 Oct 2017 00:15

Instrument :

BNA_F

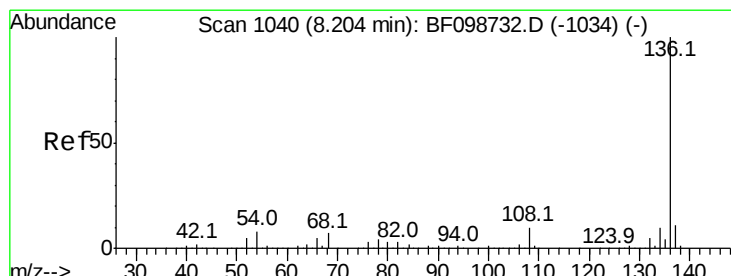
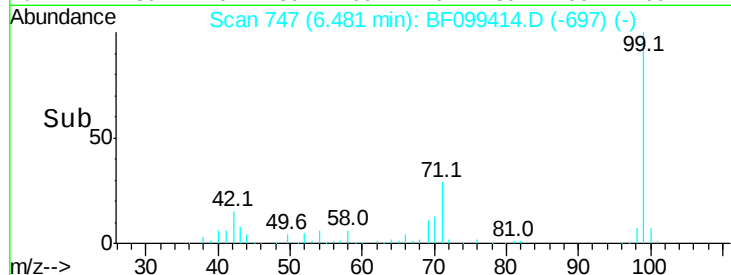
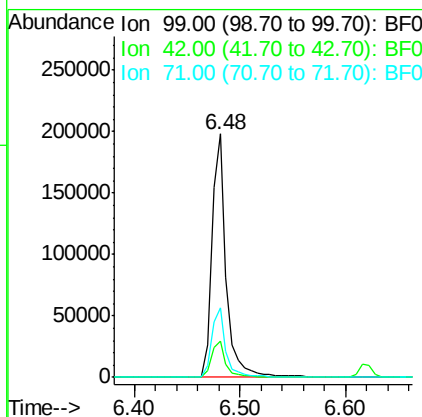
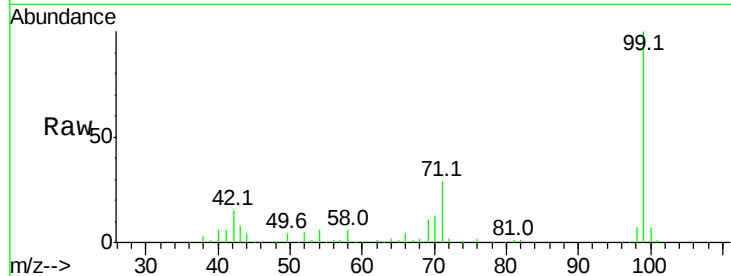
ClientSampled :

6E-(1-2)

Tot Ion:	99	Resp:	187598
Ion Ratio	Lower	Upper	
99	100		
42	15.1	14.5	21.7
71	28.6	25.4	38.0

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.000 ng

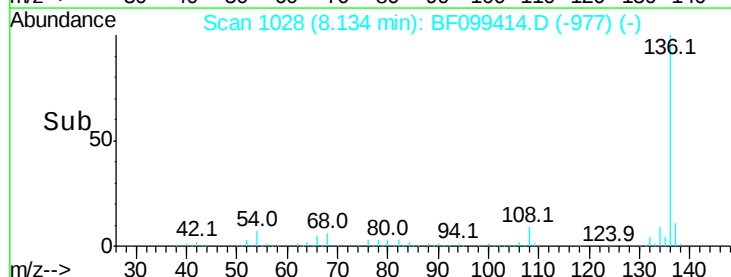
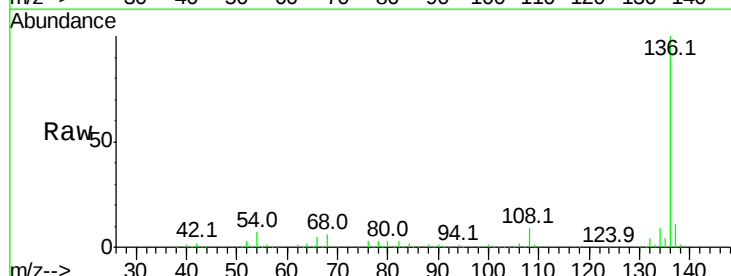
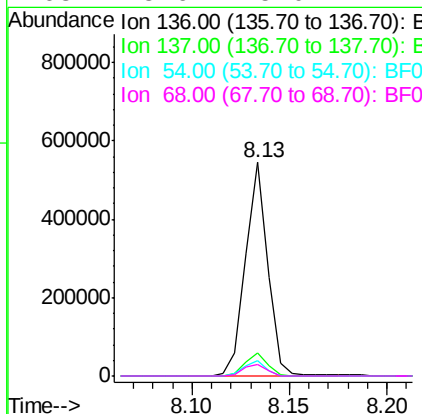
RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF099414.D

Acq: 13 Oct 2017 00:15

Tgt Ion:	136	Resp:	433133
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.1	6.6	9.8
68	5.6	5.0	7.4





#23

Nitrobenzene-d5

Concen: 15.399 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF099414.D

Acq: 13 Oct 2017 00:15

Instrument :

BNA_F

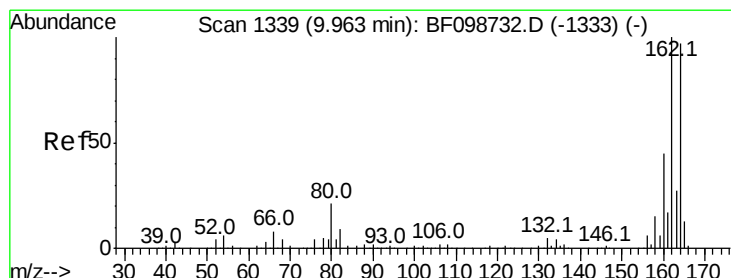
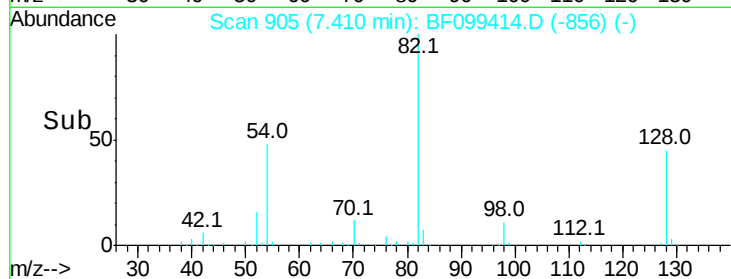
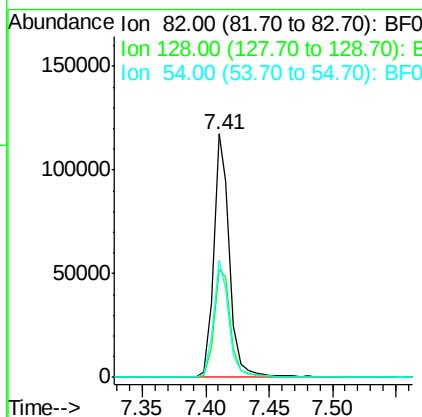
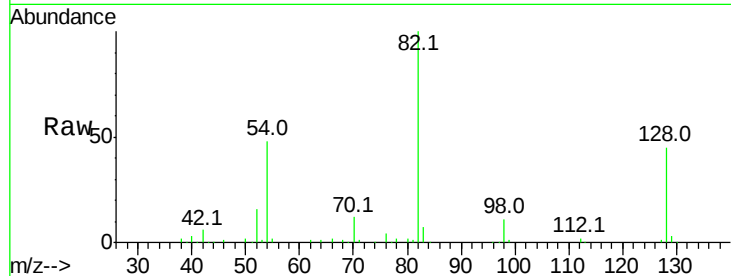
ClientSampleId :

6E-(1-2)

Tot Ion:	82	Resp:	104002
Ion Ratio	Lower	Upper	
82	100		
128	44.5	36.1	54.1
54	48.2	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

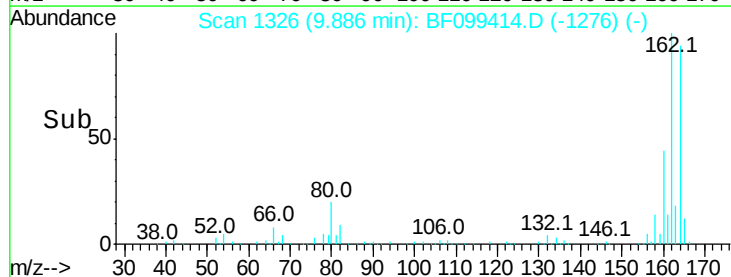
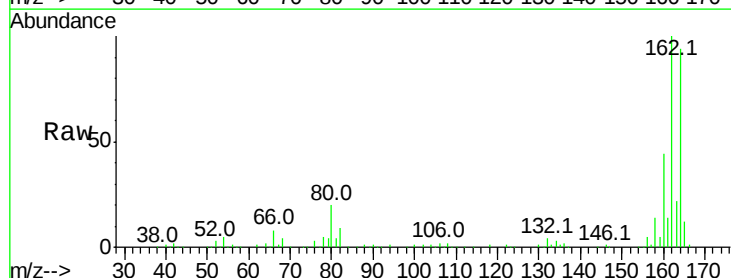
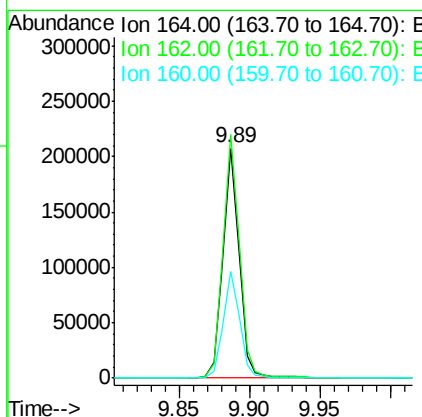
RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099414.D

Acq: 13 Oct 2017 00:15

Tgt Ion:	164	Resp:	168564
Ion Ratio	Lower	Upper	
164	100		
162	106.1	86.1	129.1
160	46.2	38.3	57.5





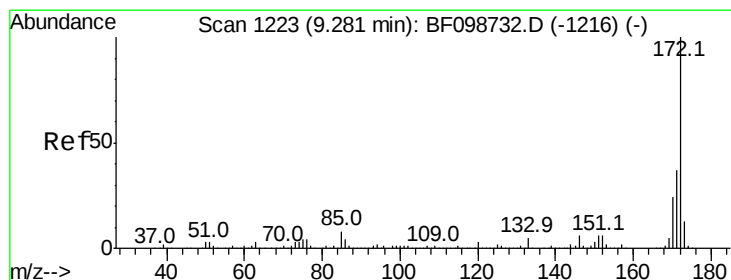
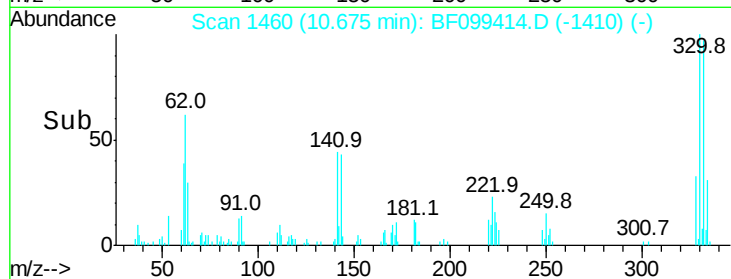
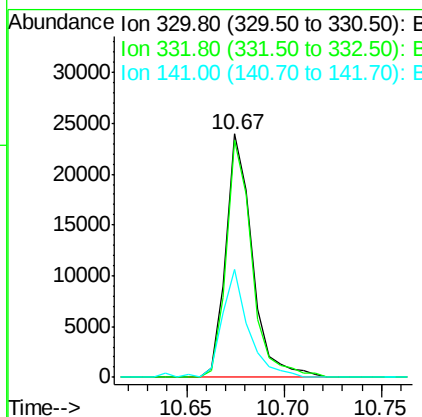
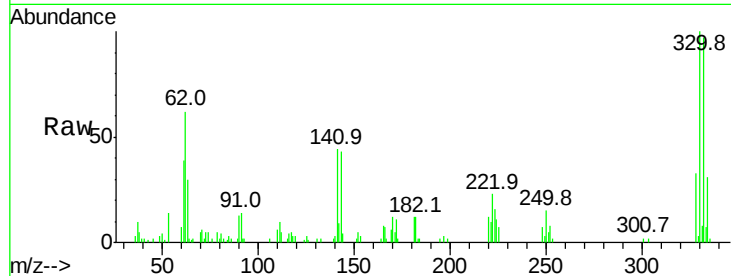
#41
 2,4,6-Tribromophenol
 Concen: 16.455 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF099414.D
 Acq: 13 Oct 2017 00:15

Instrument :
 BNA_F
 ClientSampleId :
 6E-(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	22697		
332	94.0	77.0	115.6	
141	43.6	29.9	44.9	

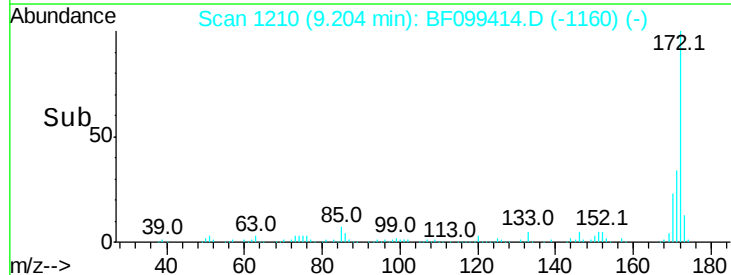
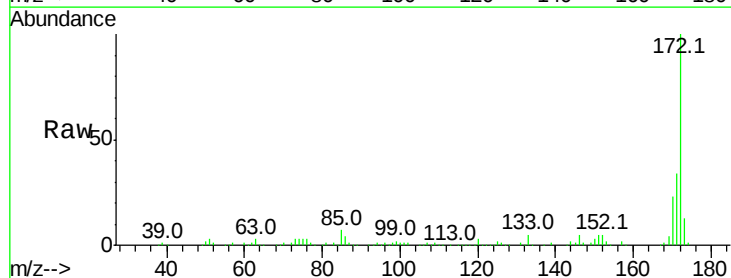
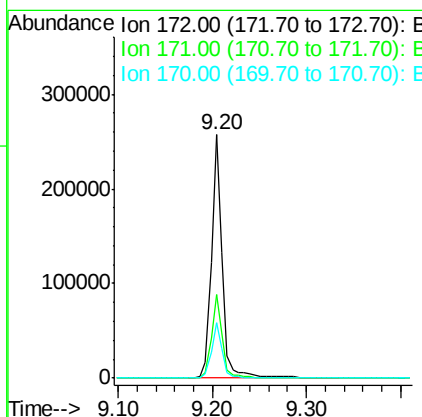
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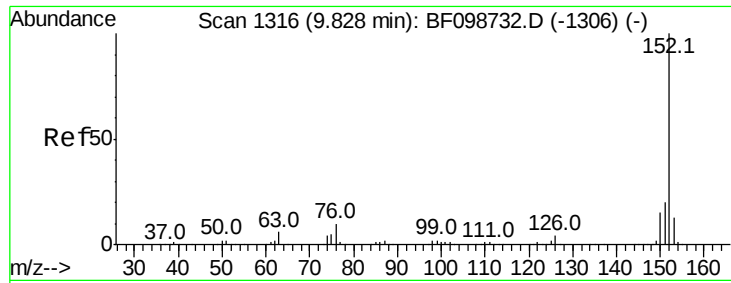
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#44
 2-Fluorobiphenyl
 Concen: 20.901 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF099414.D
 Acq: 13 Oct 2017 00:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	211043		
171	34.4	29.7	44.5	
170	22.9	19.6	29.4	





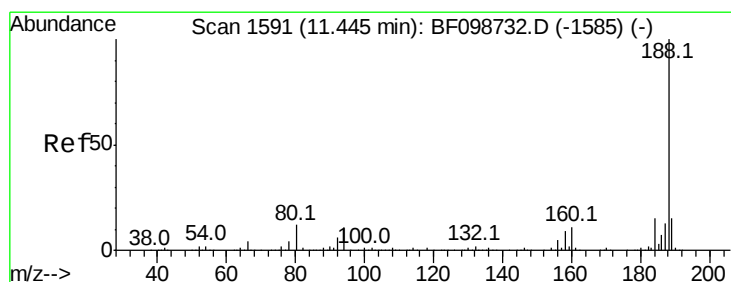
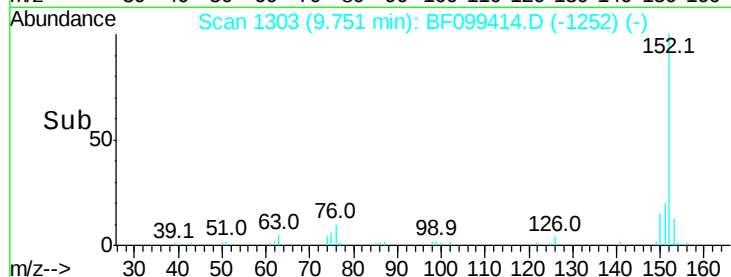
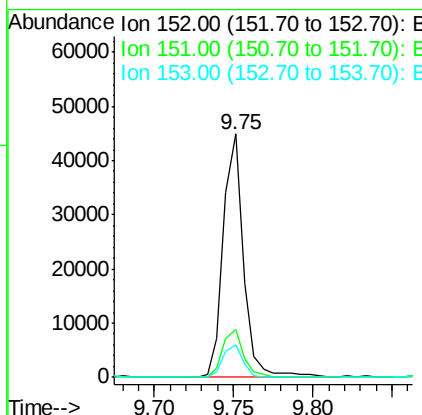
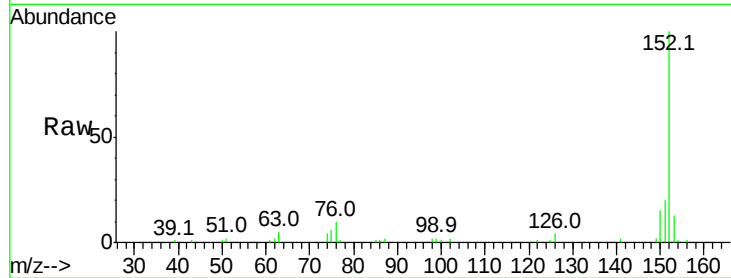
#48
 Acenaphthylene
 Concen: 2.395 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.00 min
 Lab File: BF099414.D
 Acq: 13 Oct 2017 00:15

Instrument :
 BNA_F
 ClientSampleId :
 6E-(1-2)

Tot Ion:	152	Resp:	39881
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.3	24.5
153	13.2	10.7	16.1

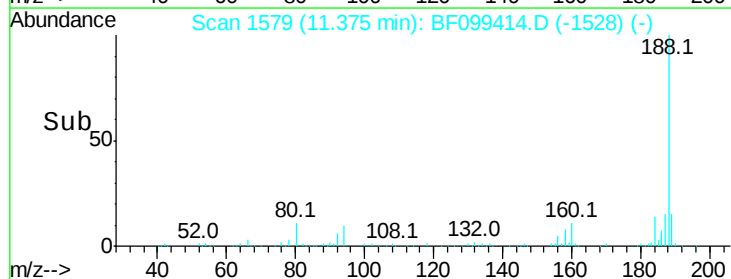
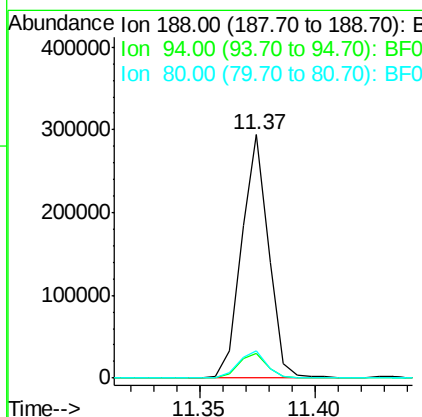
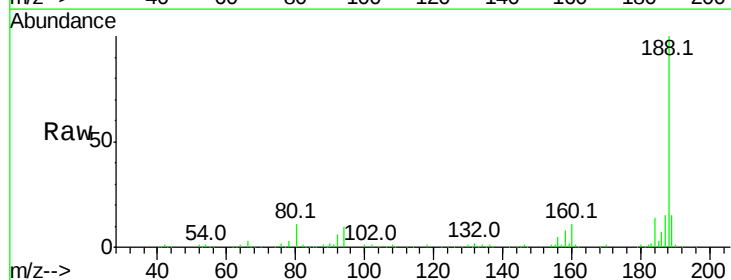
Manual Integrations
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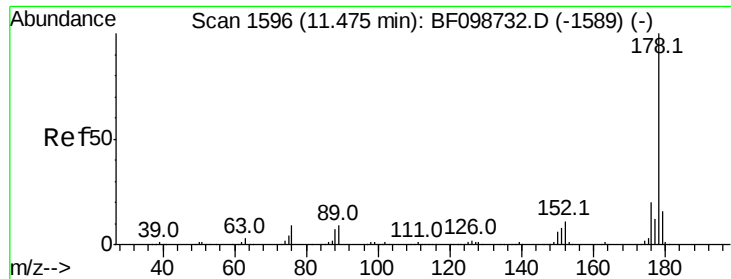
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF099414.D
 Acq: 13 Oct 2017 00:15

Tgt Ion:	188	Resp:	239262
Ion Ratio	Lower	Upper	
188	100		
94	10.2	8.5	12.7
80	11.1	9.2	13.8





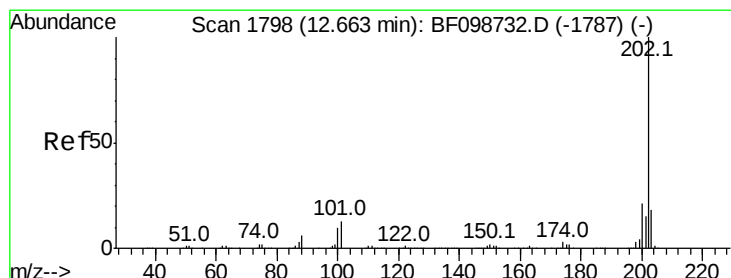
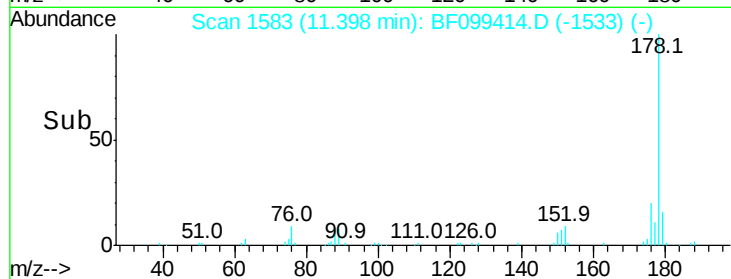
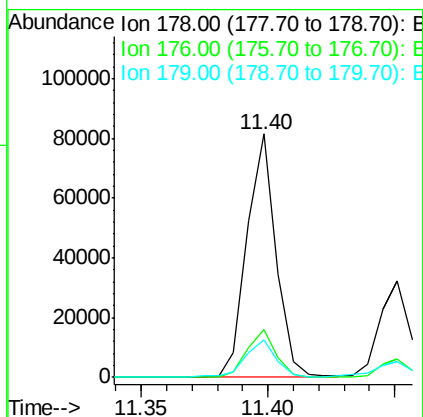
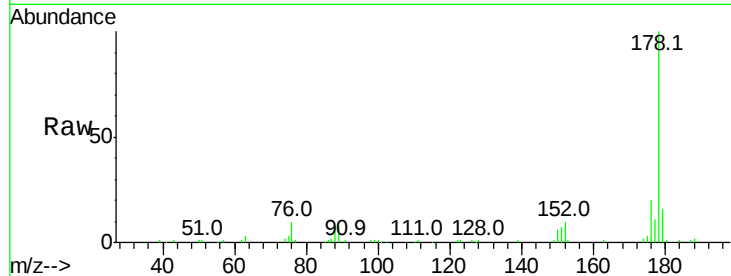
#70
Phenanthrene
Concen: 5.086 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF099414.D
Acq: 13 Oct 2017 00:15

Instrument :
BNA_F
ClientSampled :
6E-(1-2)

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

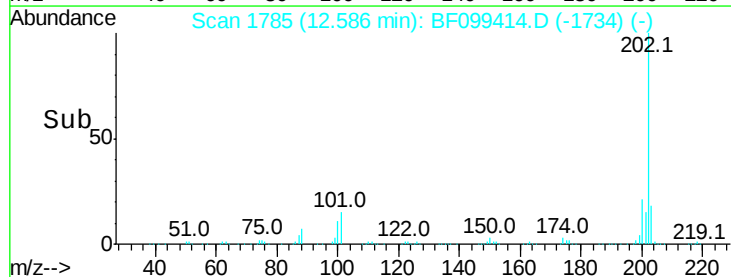
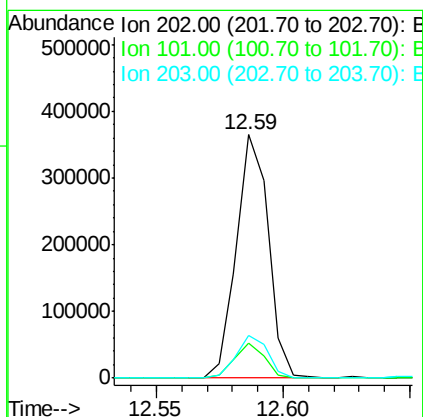
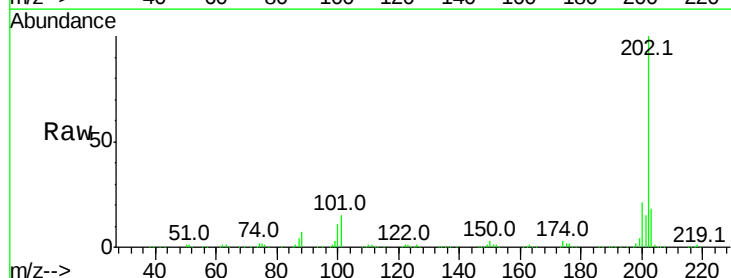
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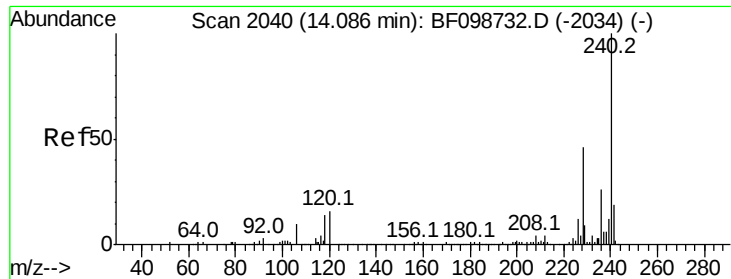
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#74
Fluoranthene
Concen: 24.779 ng
RT: 12.59 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BF099414.D
Acq: 13 Oct 2017 00:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF099414.D

Acq: 13 Oct 2017 00:15

Instrument :

BNA_F

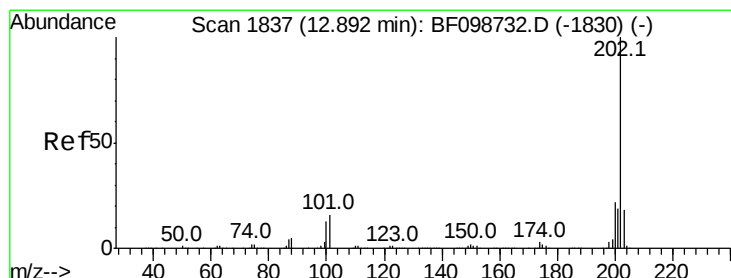
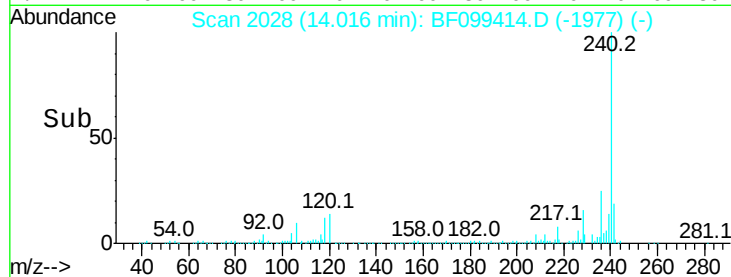
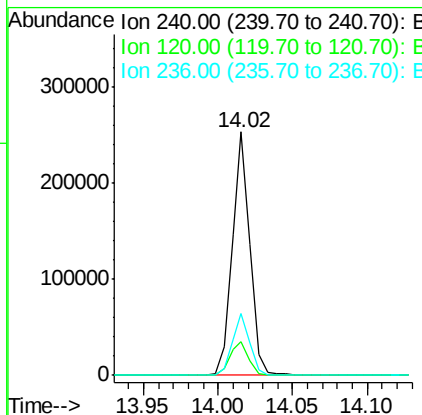
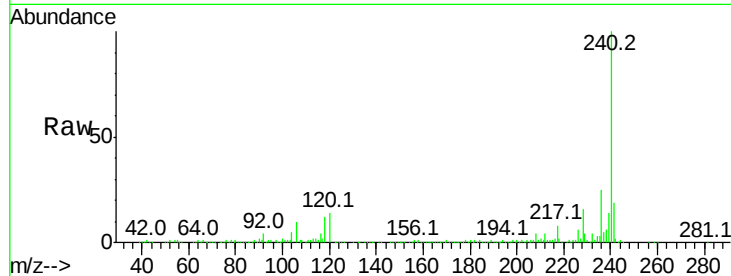
ClientSampleId :

6E-(1-2)

Tot Ion:	240	Resp:	211754
Ion Ratio	Lower	Upper	
240	100		
120	13.9	9.5	14.3
236	25.5	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 17.402 ng

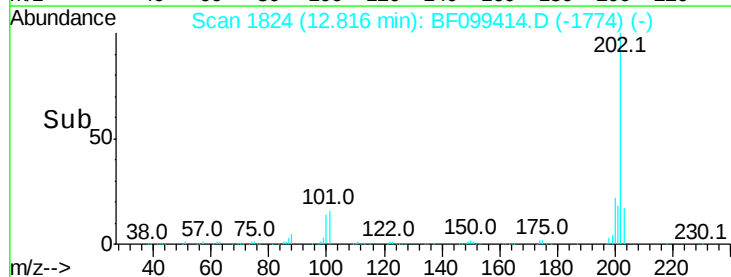
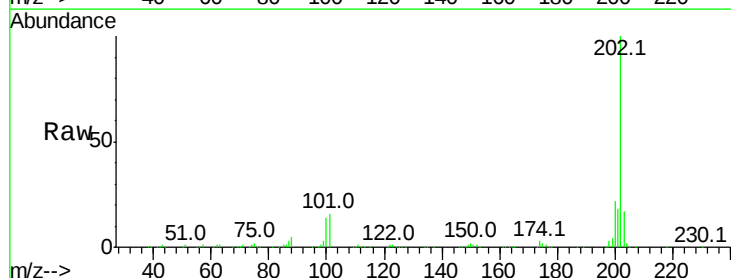
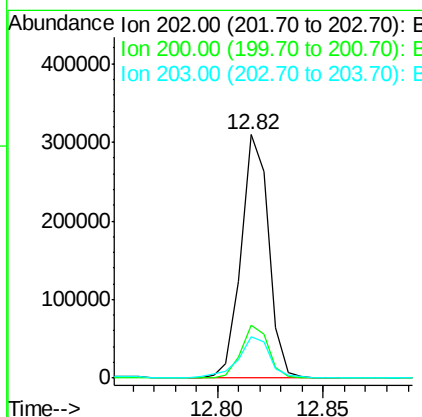
RT: 12.82 min Scan# 1824

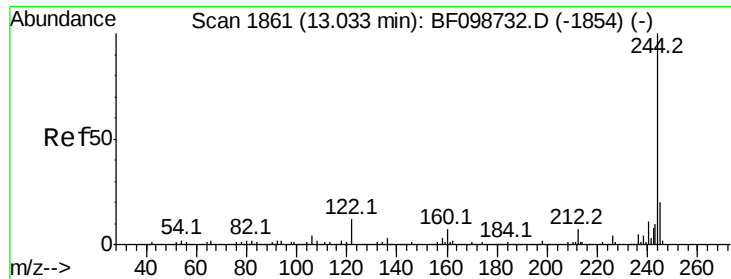
Delta R.T. -0.01 min

Lab File: BF099414.D

Acq: 13 Oct 2017 00:15

Tgt Ion:	202	Resp:	280990
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	17.2	14.3	21.5





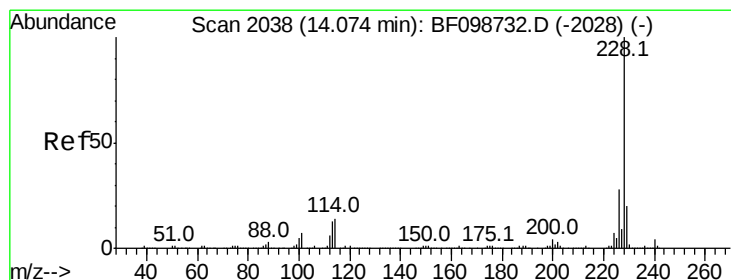
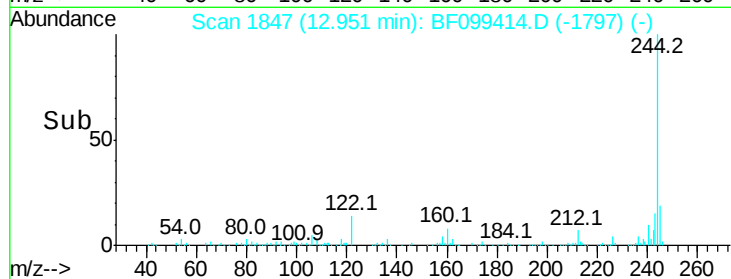
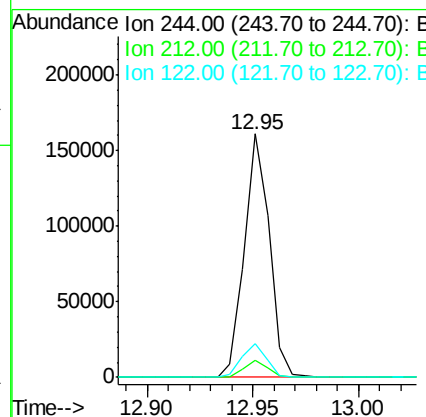
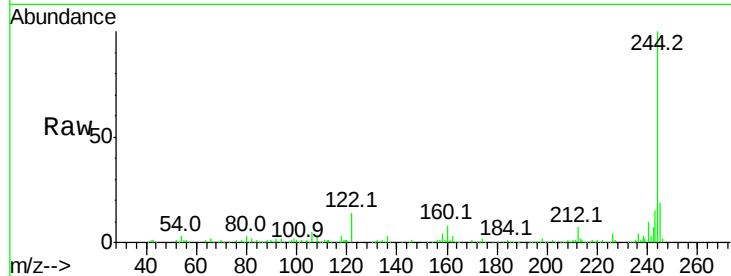
#78
 Terphenyl-d14
 Concen: 14.095 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF099414.D
 Acq: 13 Oct 2017 00:15

Instrument :
 BNA_F
 ClientSampleId :
 6E-(1-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	13.8	11.0	16.4

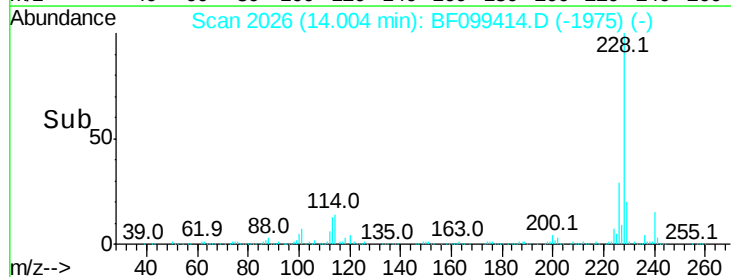
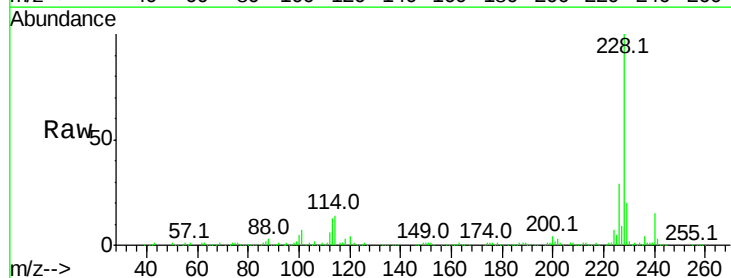
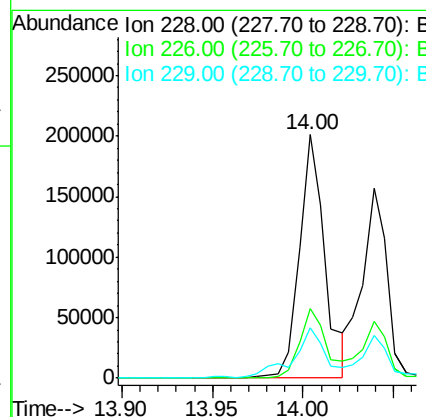
Manual Integrations
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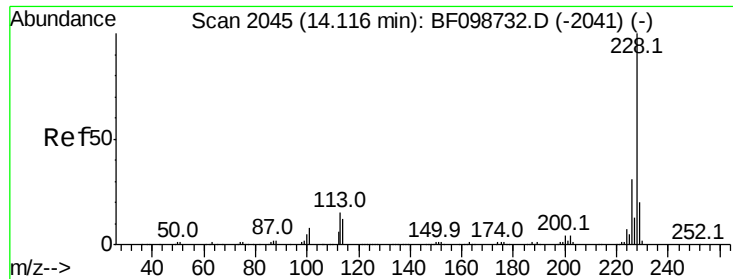
Sohil
 10/13/2017 3:06:34 PM



#80
 Benzo(a)anthracene
 Concen: 15.479 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.00 min
 Lab File: BF099414.D
 Acq: 13 Oct 2017 00:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	20.5	15.8	23.6





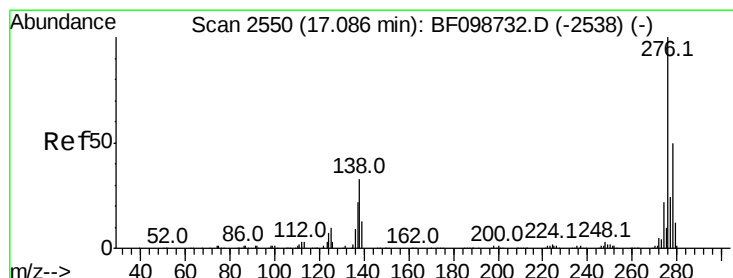
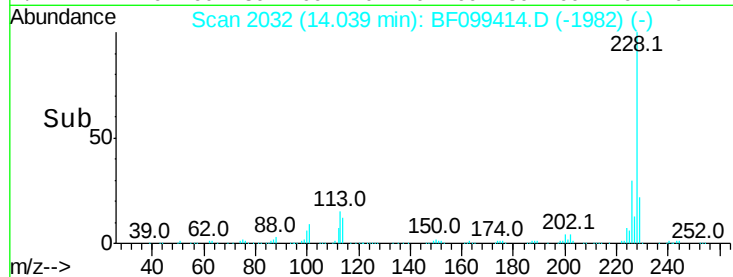
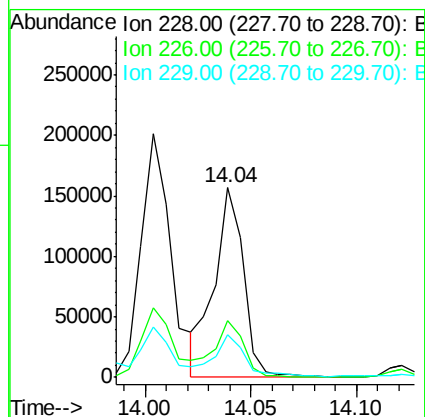
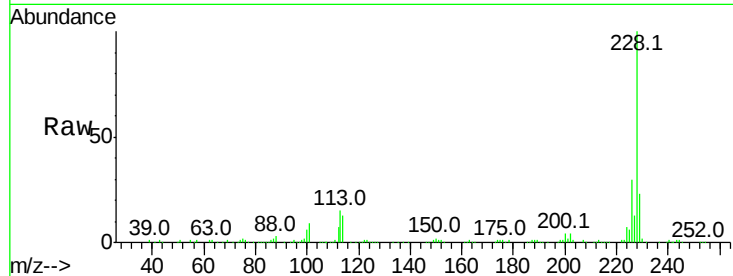
#82
Chrysene
Concen: 12.408 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF099414.D
Acq: 13 Oct 2017 00:15

Instrument :
BNA_F
ClientSampled :
6E-(1-2)

Tot Ion:	228	Resp:	151464
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.0	37.6
229	22.5	16.2	24.4

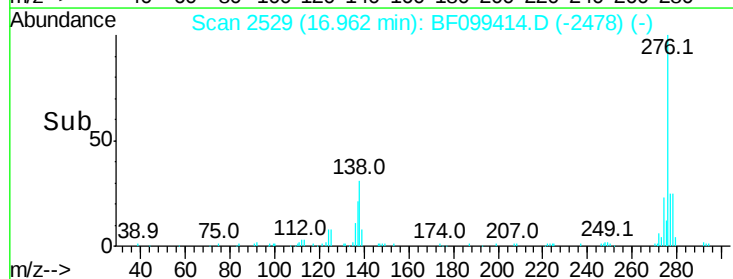
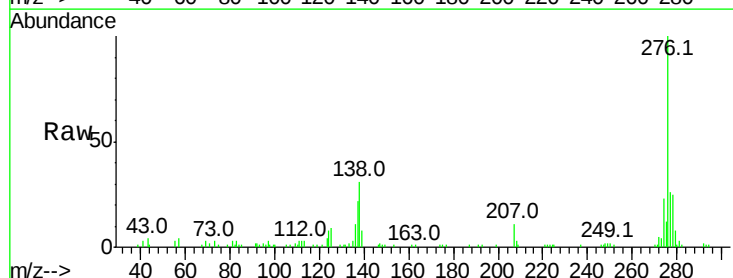
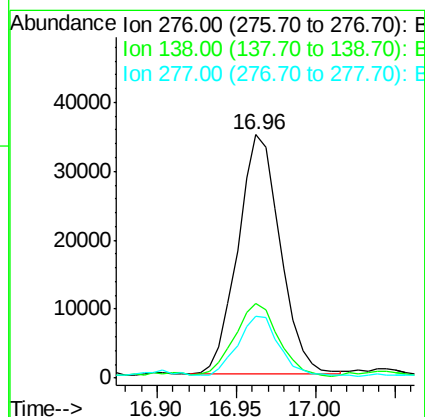
Manual Integrations
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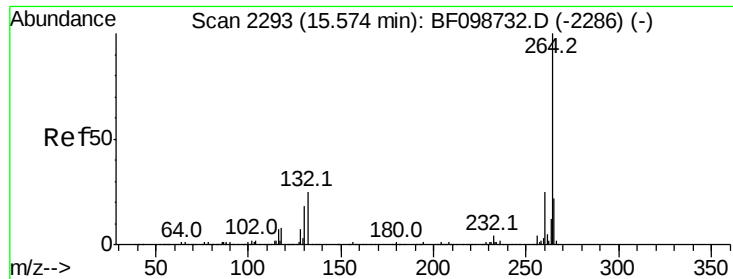
Sohil
10/13/2017 3:06:34 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 6.615 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.00 min
Lab File: BF099414.D
Acq: 13 Oct 2017 00:15

Tgt Ion:	276	Resp:	64592
Ion Ratio	Lower	Upper	
276	100		
138	32.0	25.0	37.6
277	24.7	20.1	30.1





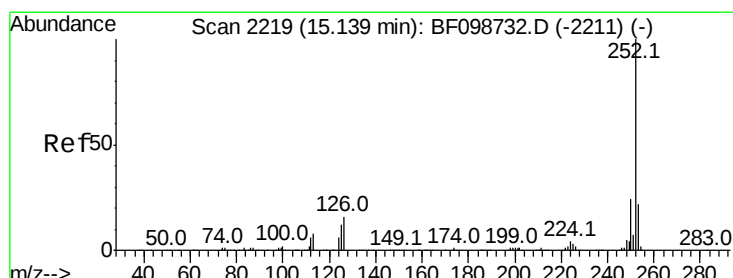
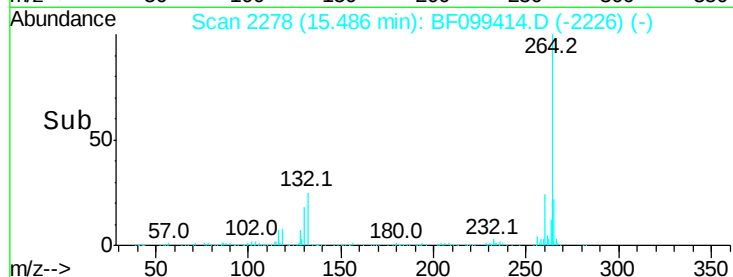
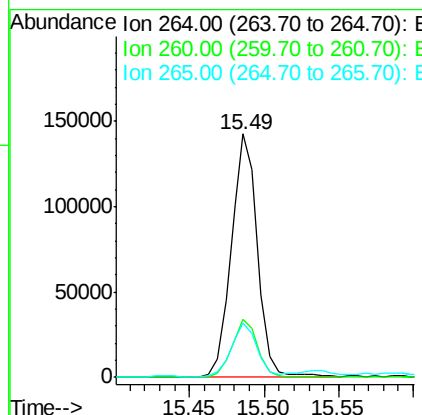
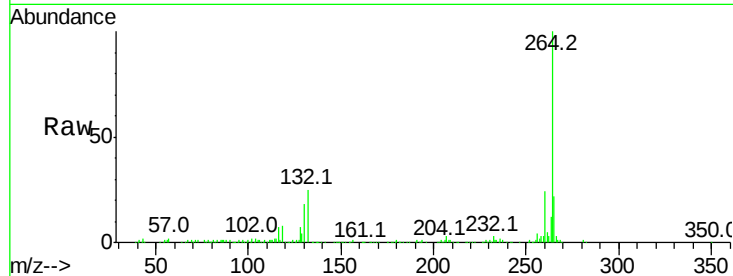
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF099414.D
Acq: 13 Oct 2017 00:15

Instrument :
BNA_F
ClientSampleId :
6E-(1-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.0	17.5	26.3

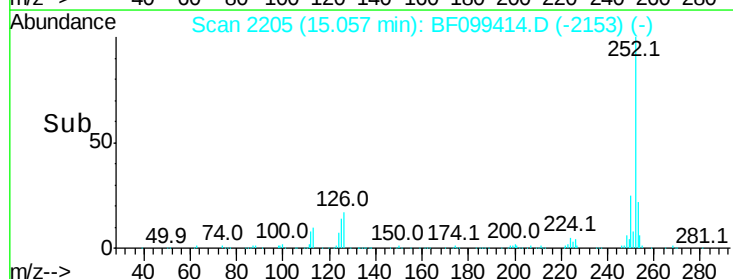
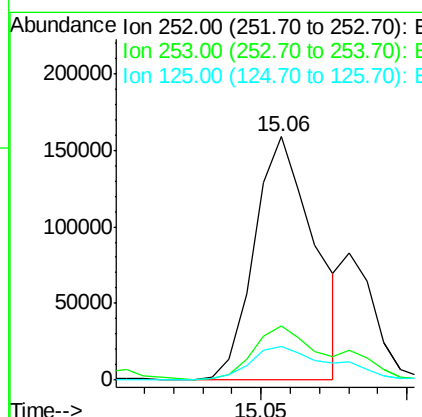
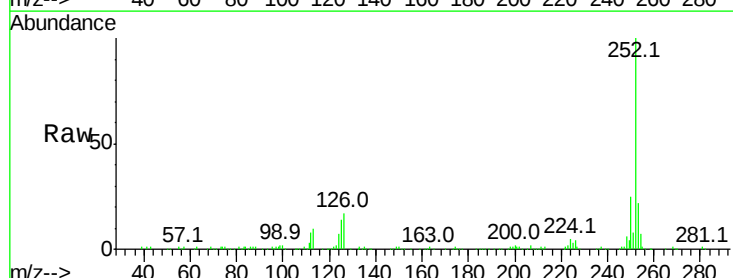
Manual Integrations
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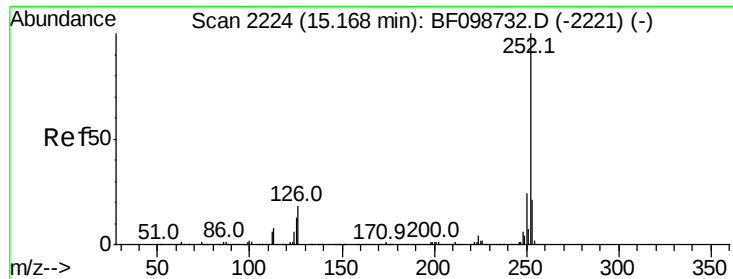
Sohil
10/13/2017 3:06:34 PM



#87
Benzo(b)fluoranthene
Concen: 21.014 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF099414.D
Acq: 13 Oct 2017 00:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	14.1	9.0	13.6





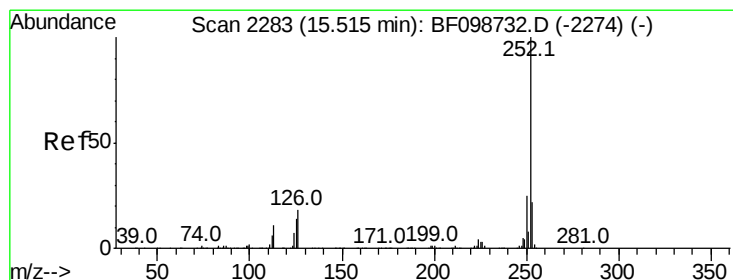
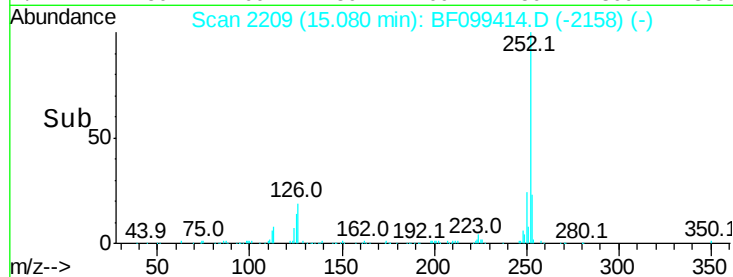
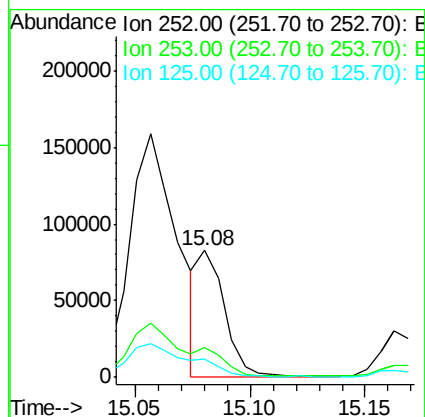
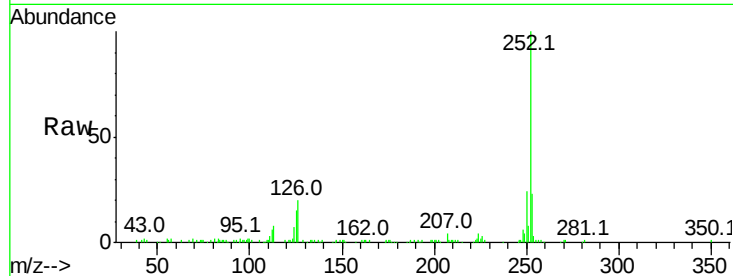
#88
Benzo(k)fluoranthene
Concen: 6.200 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.00 min
Lab File: BF099414.D
Acq: 13 Oct 2017 00:15

Instrument :
BNA_F
ClientSampled :
6E-(1-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	14.9	10.2	15.2

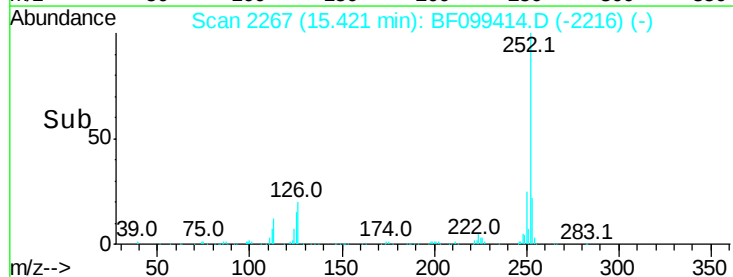
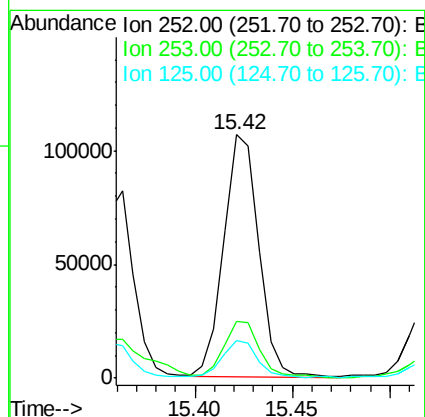
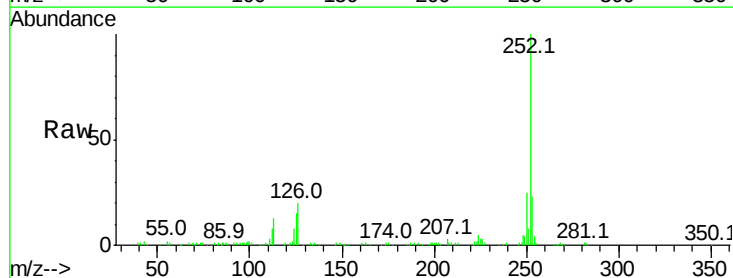
Manual Integrations
APPROVED

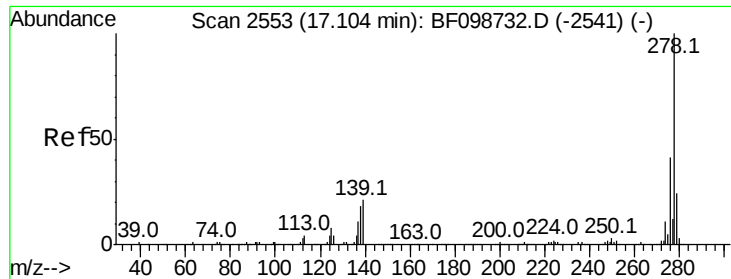
Sohil
10/13/2017 3:06:34 PM



#89
Benzo(a)pyrene
Concen: 13.504 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.00 min
Lab File: BF099414.D
Acq: 13 Oct 2017 00:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	15.4	9.8	14.6





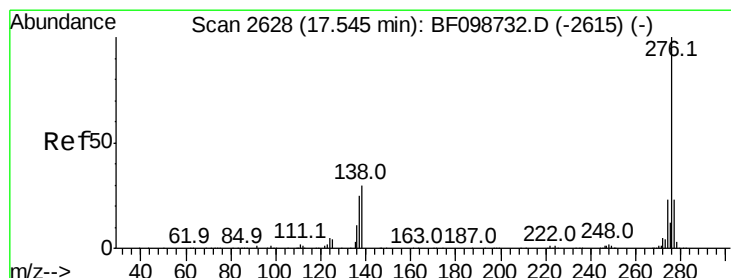
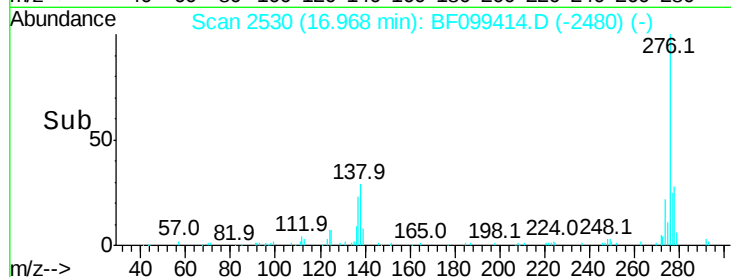
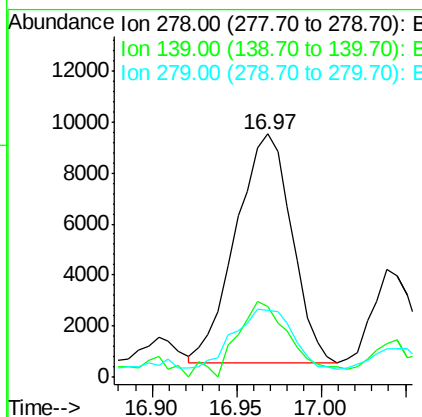
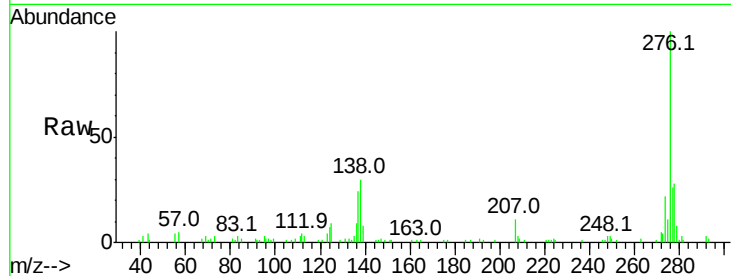
#90
Dibenzo(a,h)anthracene
Concen: 2.612 ng m
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF099414.D
Acq: 13 Oct 2017 00:15

Instrument :
BNA_F
ClientSampleId :
6E-(1-2)

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.0	15.9	23.9#
279	27.7	19.0	28.4

Manual Integrations
APPROVED

Sohil
10/13/2017 3:06:34 PM



#91
Benzo(g,h,i)perylene
Concen: 7.373 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.01 min
Lab File: BF099414.D
Acq: 13 Oct 2017 00:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	30.6	21.8	32.8

