

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099408.D
 Acq On : 12 Oct 2017 21:28
 Operator : SJ/JU
 Sample : I5729-08 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4E-(2-3)

Manual Integrations
 APPROVED

Sohil
 10/13/2017 3:05:52 PM

Quant Time: Oct 13 02:54:56 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	114254	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	463467	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	185667	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	270032	20.00	ng	0.00
75) Chrysene-d12	14.02	240	216485	20.00	ng	0.00
86) Perylene-d12	15.49	264	186030	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	147851	20.60	ng	0.00
7) Phenol-d6	6.48	99	184776	20.87	ng	0.00
23) Nitrobenzene-d5	7.41	82	110145	15.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	26027	17.13	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	226697	20.38	ng	0.00
78) Terphenyl-d14	12.95	244	142540	14.97	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.85	142	28513	2.015	ng	96
70) Phenanthrene	11.40	178	222890	15.421	ng	98
71) Anthracene	11.45	178	47218	3.193	ng	97
73) Di-n-butylphthalate	11.93	149	51344	2.945	ng	# 99
74) Fluoranthene	12.59	202	406863	27.798	ng	97
77) Pyrene	12.82	202	376048	22.780	ng	99
80) Benzo(a)anthracene	14.00	228	216819	16.540	ng	99
82) Chrysene	14.04	228	201551	16.150	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	73715	7.384	ng	98
87) Benzo(b)fluoranthene	15.06	252	224165m	19.598	ng	
88) Benzo(k)fluoranthene	15.08	252	74413m	6.587	ng	
89) Benzo(a)pyrene	15.43	252	150866	14.369	ng	# 97
90) Dibenzo(a,h)anthracene	16.97	278	20804m	2.476	ng	
91) Benzo(g,h,i)perylene	17.42	276	70207	8.453	ng	93

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

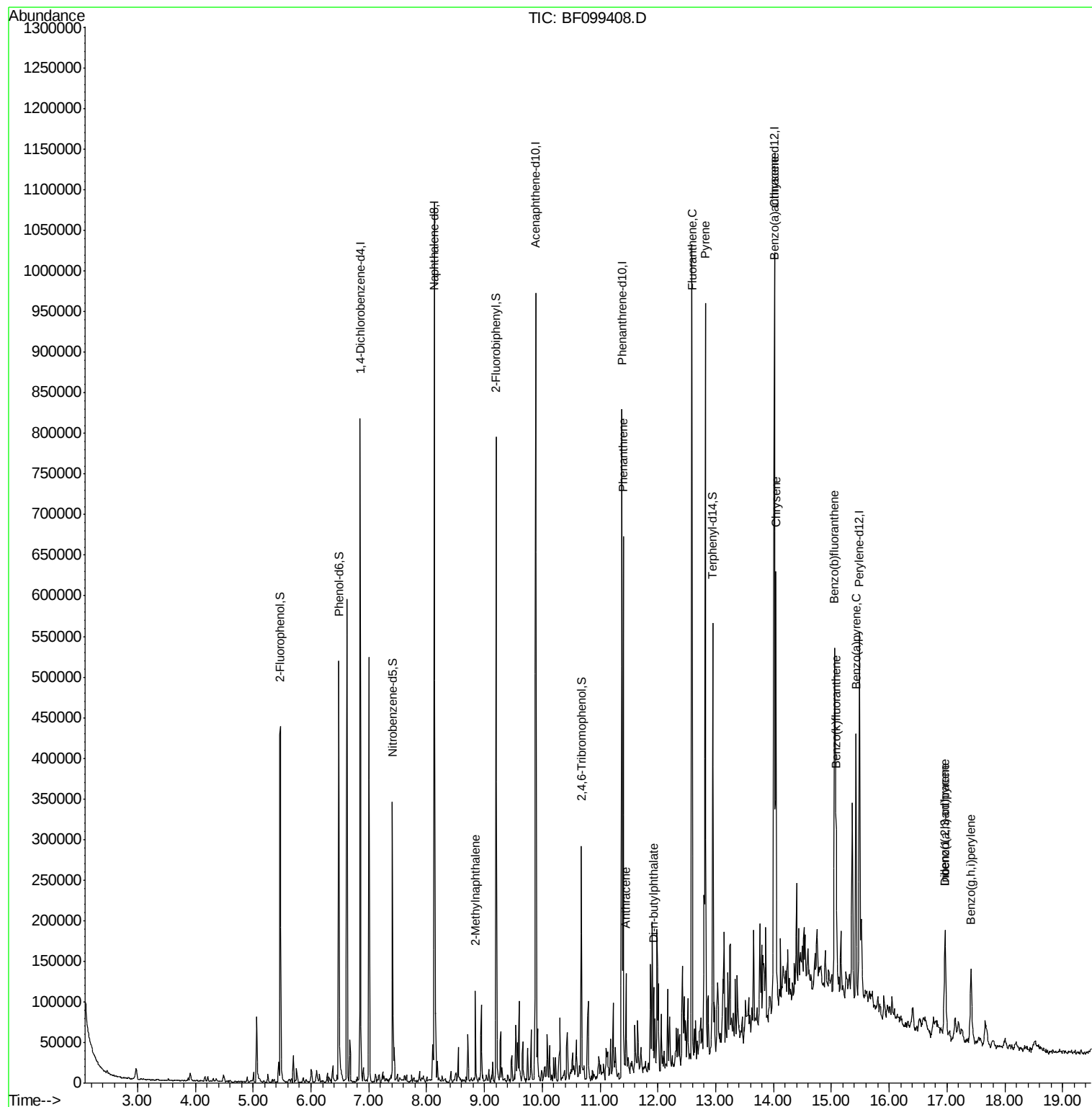
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099408.D
Acq On : 12 Oct 2017 21:28
Operator : SJ/JU
Sample : I5729-08 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
4E-(2-3)

Manual Integrations
APPROVED

Sohil
10/13/2017 3:05:52 PM

Quant Time: Oct 13 02:54:56 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





#1

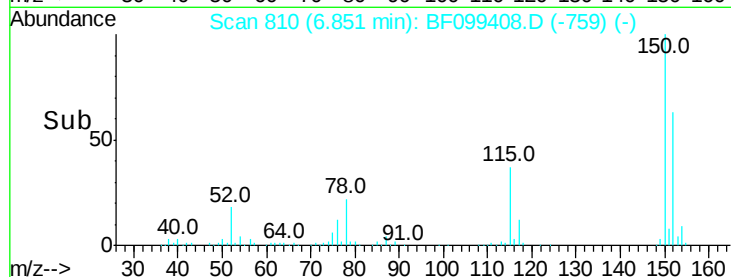
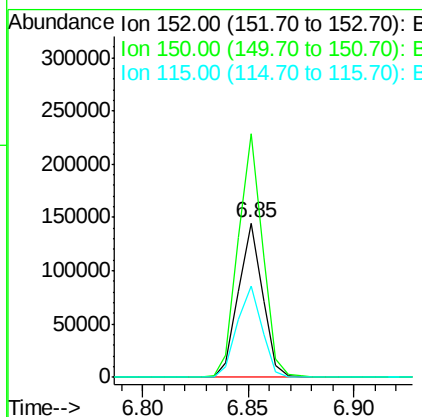
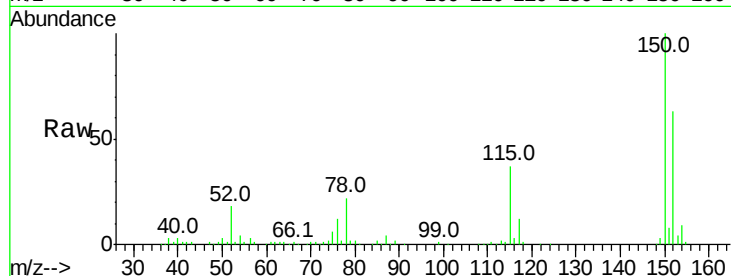
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Instrument :
BNA_F
ClientSampleId :
4E-(2-3)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.6	186.8
115	58.8	50.1	75.1

Manual Integrations
APPROVED

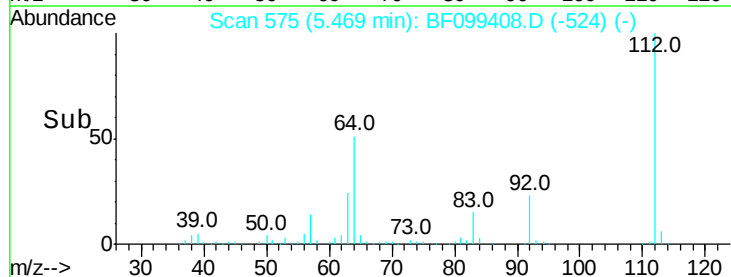
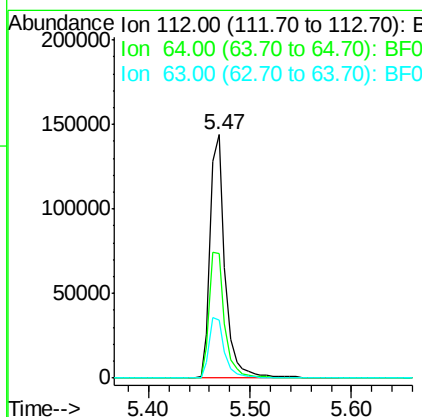
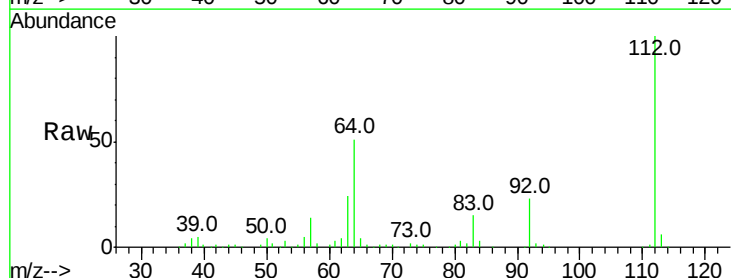
Sohil
10/13/2017 3:05:52 PM

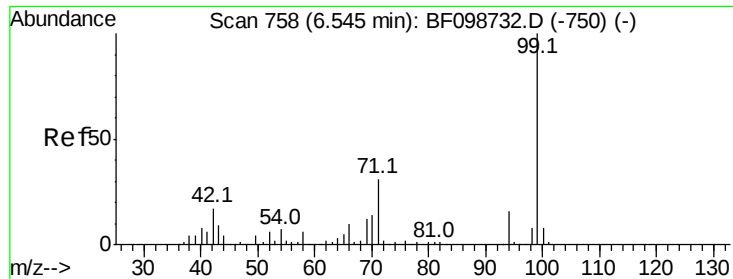


#5

2-Fluorophenol
Concen: 20.600 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.2	47.9	71.9
63	23.8	23.7	35.5





#7

Phenol-d6

Concen: 20.869 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099408.D

Acq: 12 Oct 2017 21:28

Instrument :

BNA_F

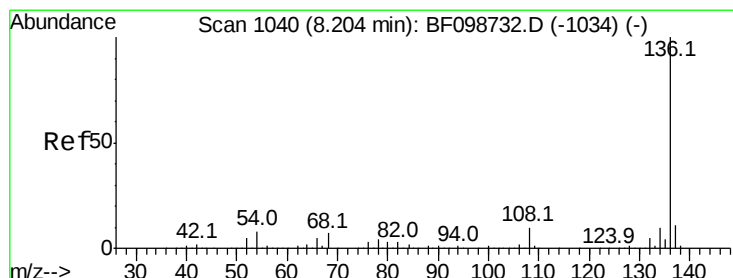
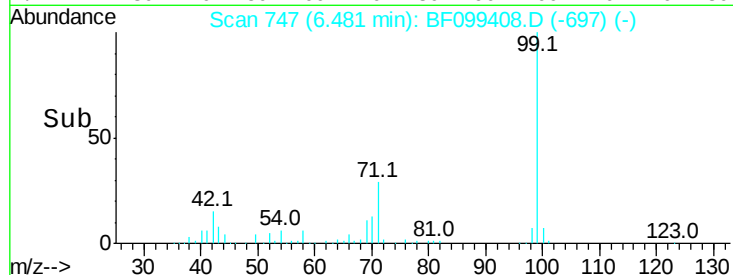
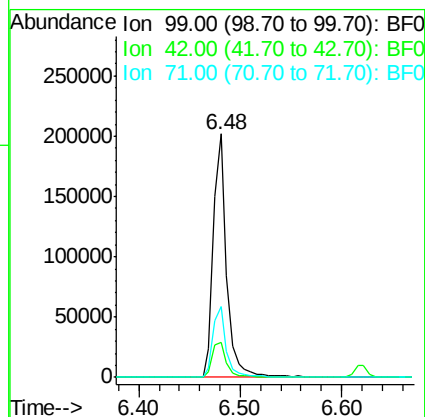
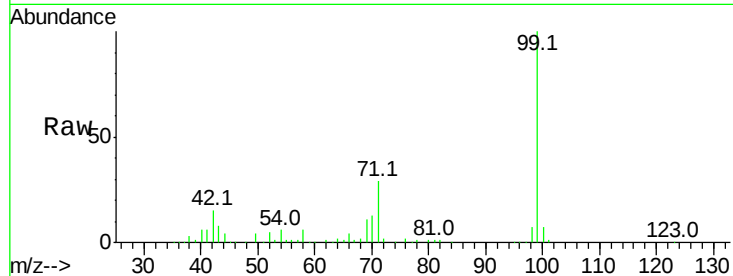
ClientSampleId :

4E-(2-3)

Tot Ion:	99	Resp:	184776
Ion Ratio	Lower	Upper	
99	100		
42	14.6	14.5	21.7
71	29.3	25.4	38.0

Manual Integrations
APPROVED

Sohil
10/13/2017 3:05:52 PM



#21

Naphthalene-d8

Concen: 20.000 ng

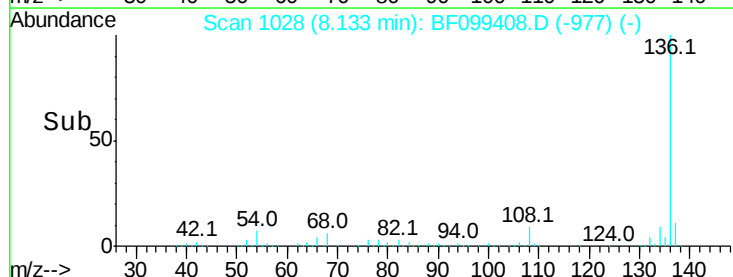
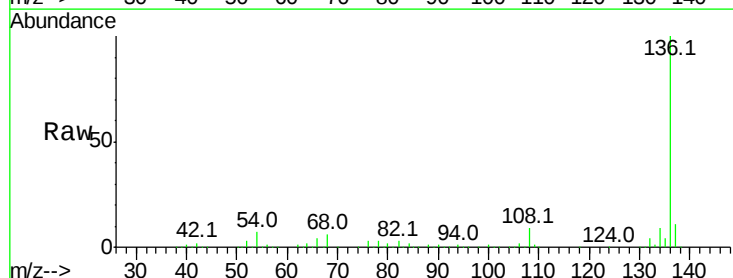
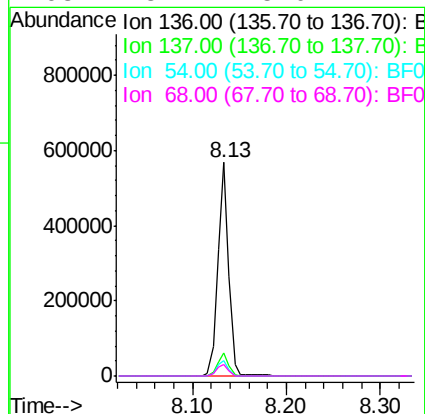
RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF099408.D

Acq: 12 Oct 2017 21:28

Tgt Ion:	136	Resp:	463467
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.1	6.6	9.8
68	5.7	5.0	7.4





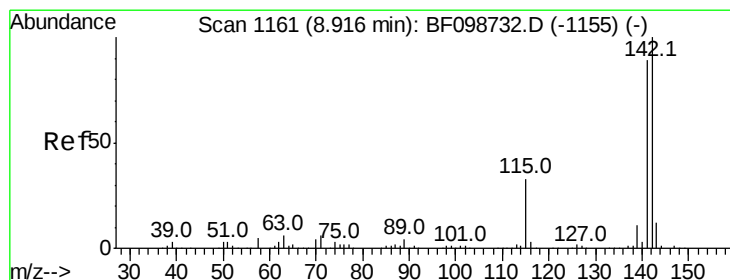
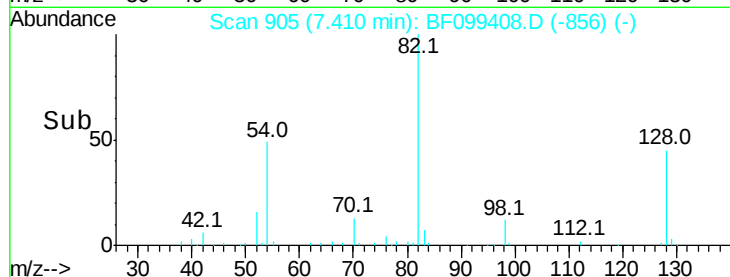
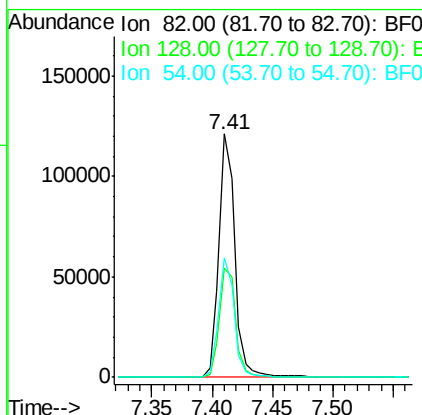
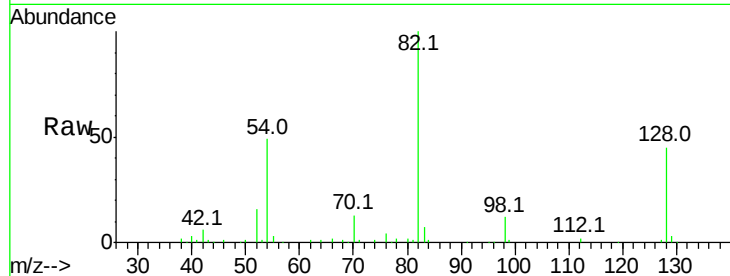
#23
 Nitrobenzene-d5
 Concen: 15.241 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF099408.D
 Acq: 12 Oct 2017 21:28

Instrument :
 BNA_F
 ClientSampleId :
 4E-(2-3)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	110145		
128	44.8	36.1	54.1	
54	49.3	41.4	62.2	

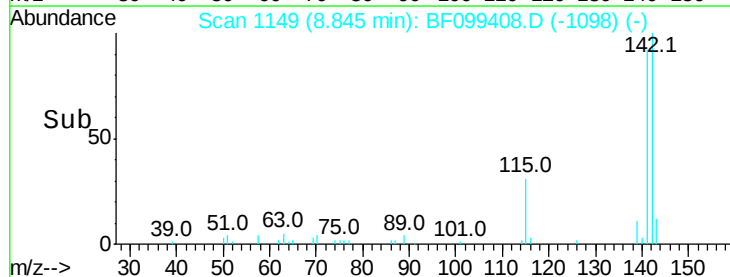
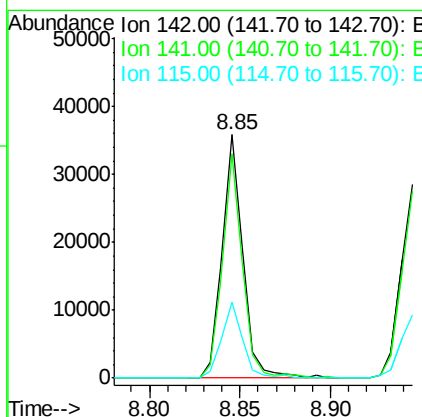
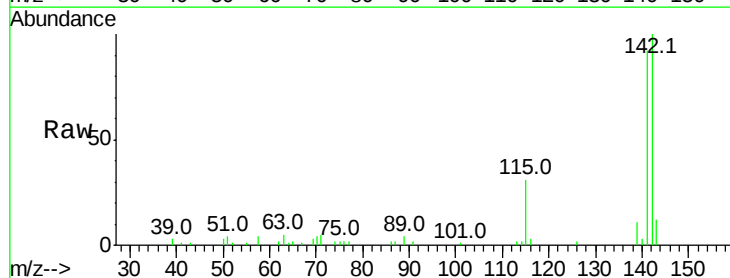
Manual Integrations
 APPROVED

Sohil
 10/13/2017 3:05:52 PM



#37
 2-Methylnaphthalene
 Concen: 2.015 ng
 RT: 8.85 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: BF099408.D
 Acq: 12 Oct 2017 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	28513		
141	92.3	70.8	106.2	
115	31.2	26.1	39.1	





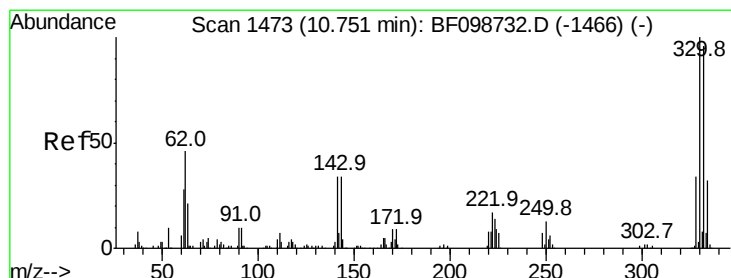
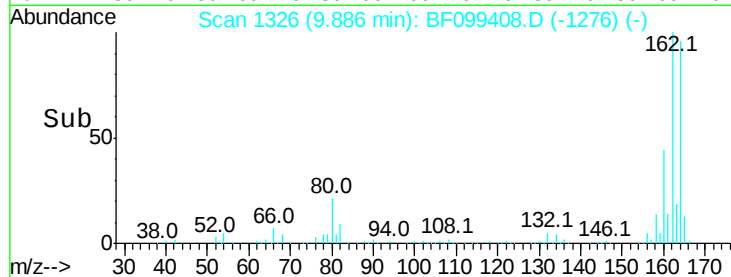
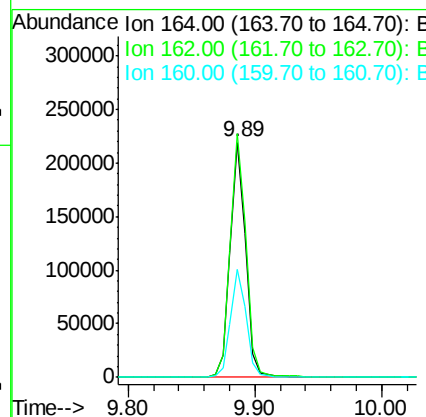
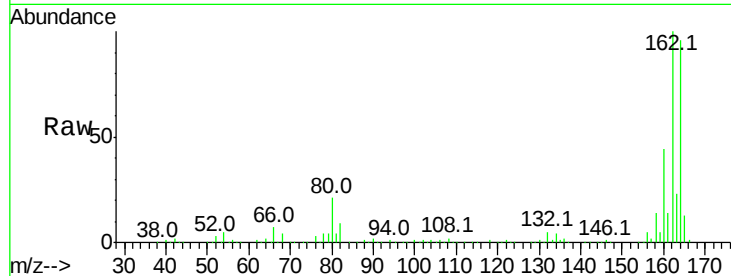
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Instrument :
BNA_F
ClientSampled :
4E-(2-3)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	185667		
162	103.7	86.1	129.1	
160	45.9	38.3	57.5	

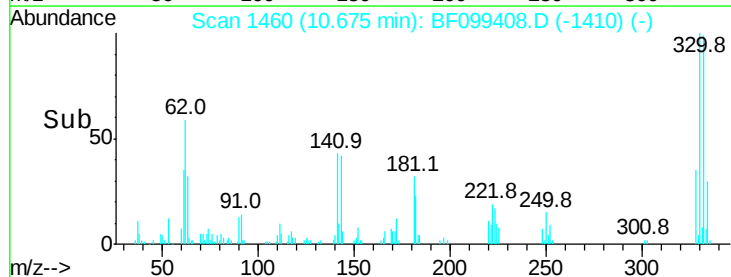
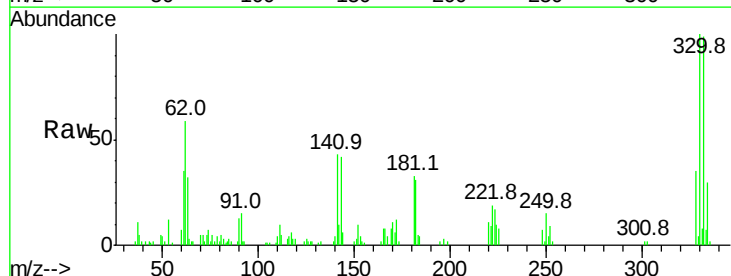
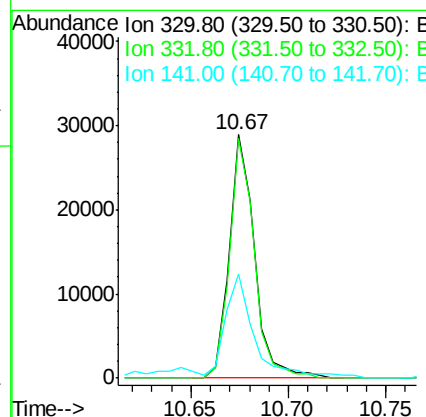
Manual Integrations
APPROVED

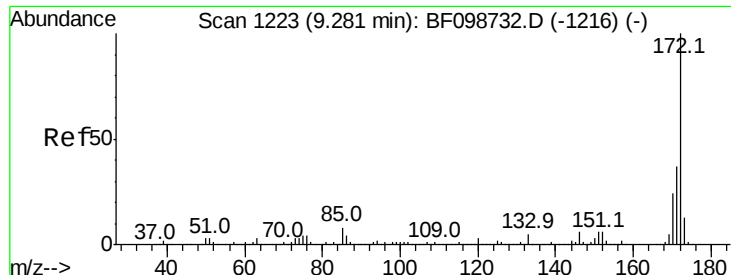
Sohil
10/13/2017 3:05:52 PM



#41
2,4,6-Tribromophenol
Concen: 17.131 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	26027		
332	96.2	77.0	115.6	
141	49.5	29.9	44.9#	





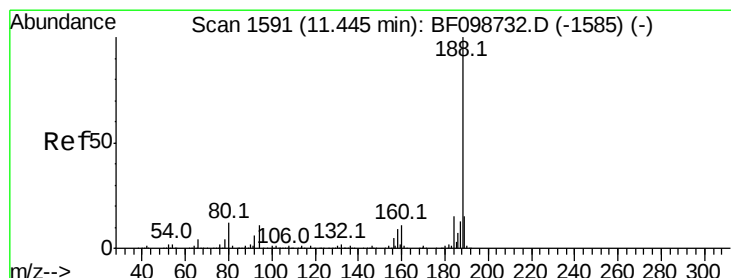
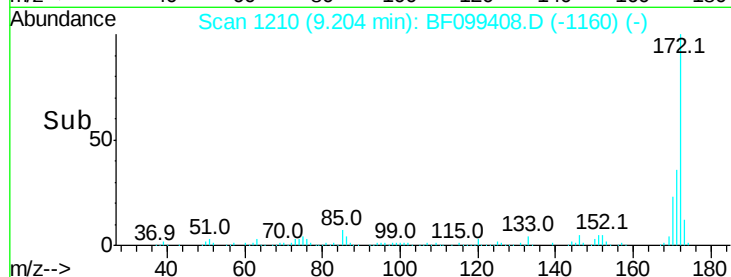
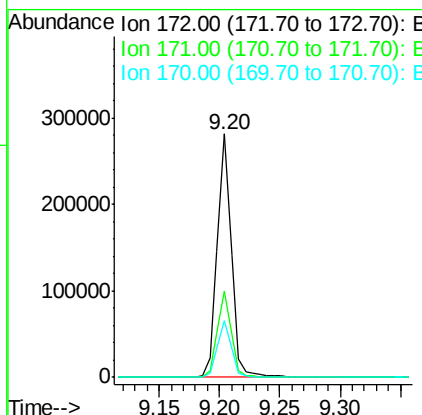
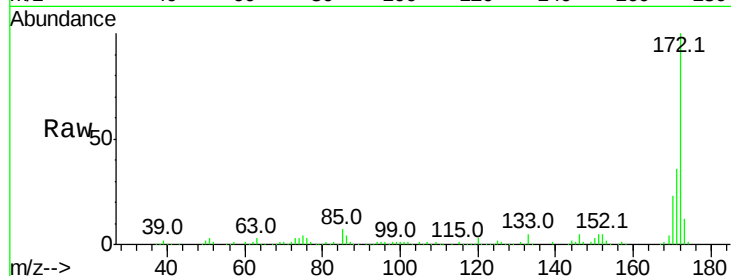
#44
 2-Fluorobiphenyl
 Concen: 20.383 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF099408.D
 Acq: 12 Oct 2017 21:28

Instrument :
 BNA_F
 ClientSampleId :
 4E-(2-3)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	226697		
171	35.6	29.7	44.5	
170	23.2	19.6	29.4	

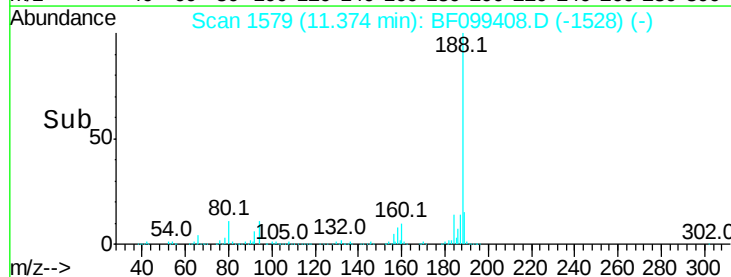
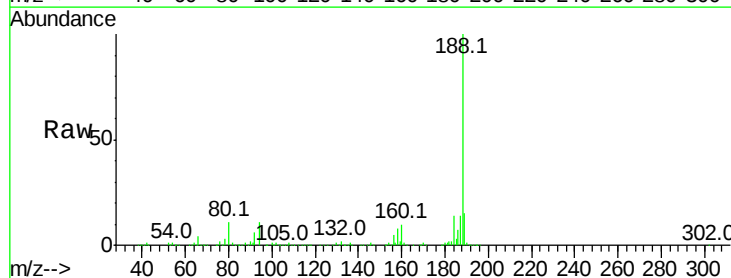
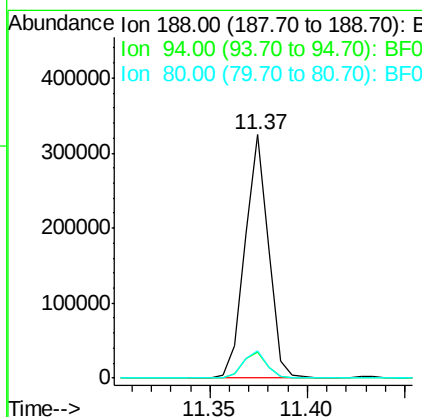
Manual Integrations
 APPROVED

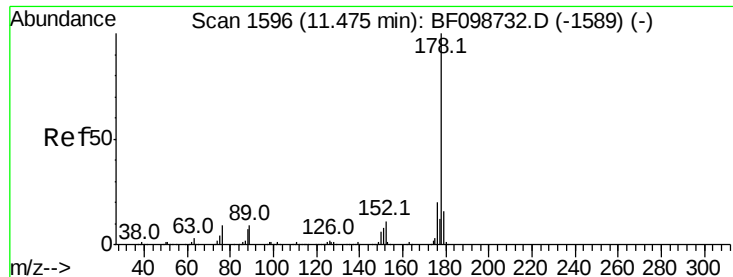
Sohil
 10/13/2017 3:05:52 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF099408.D
 Acq: 12 Oct 2017 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	270032		
94	10.7	8.5	12.7	
80	11.3	9.2	13.8	





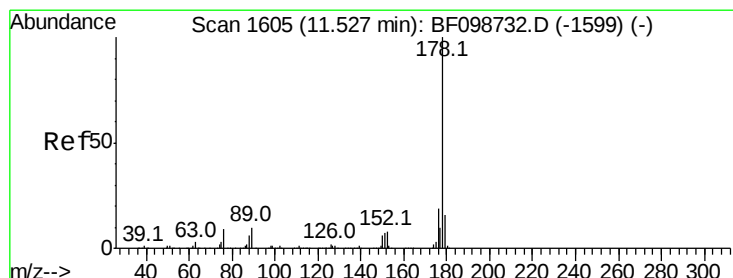
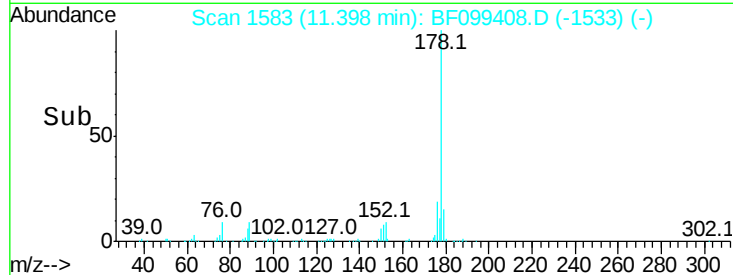
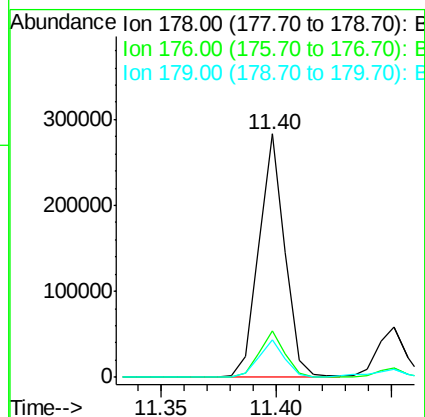
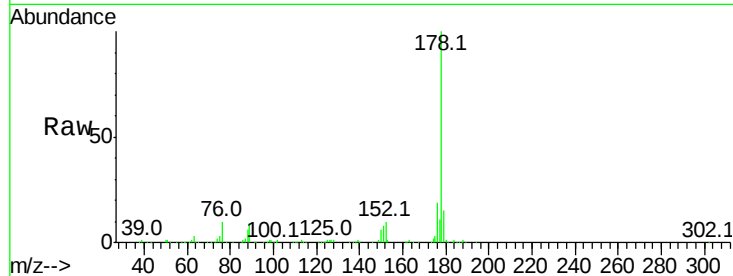
#70
Phenanthrene
Concen: 15.421 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Instrument :
BNA_F
ClientSampleId :
4E-(2-3)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.4	13.0	19.6

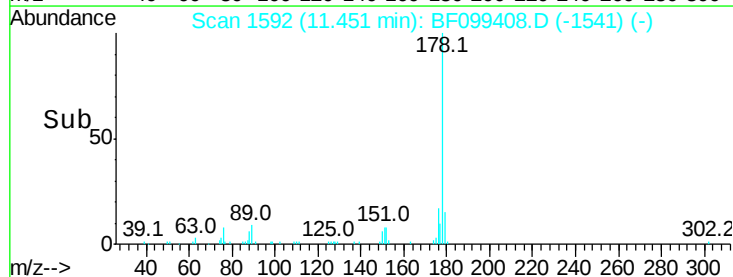
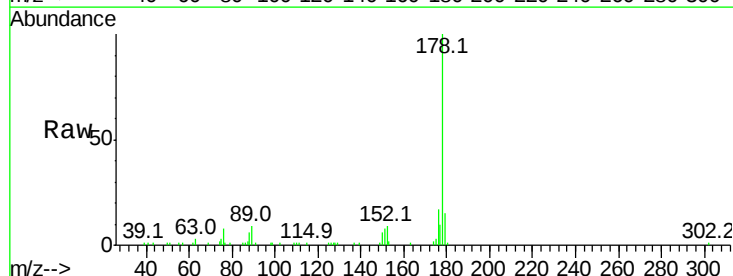
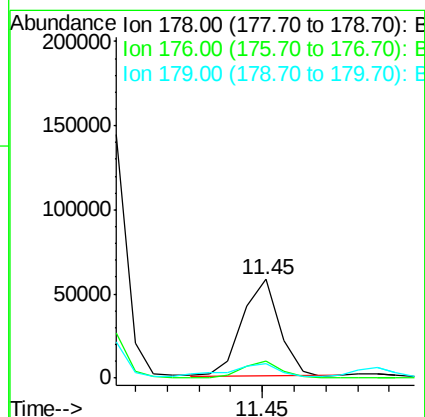
Manual Integrations
APPROVED

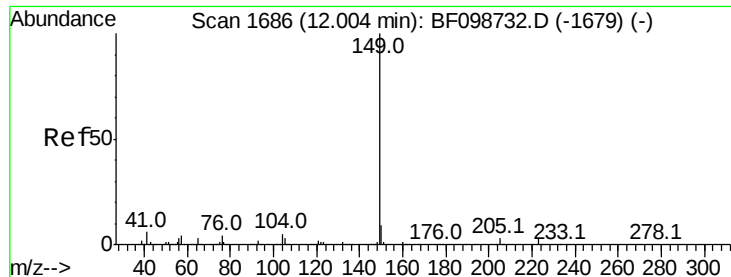
Sohil
10/13/2017 3:05:52 PM



#71
Anthracene
Concen: 3.193 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.4	23.2
179	14.9	12.6	19.0





#73

Di-n-butylphthalate

Concen: 2.945 ng

RT: 11.93 min Scan# 1673

Delta R.T. 0.00 min

Lab File: BF099408.D

Acq: 12 Oct 2017 21:28

Instrument :

BNA_F

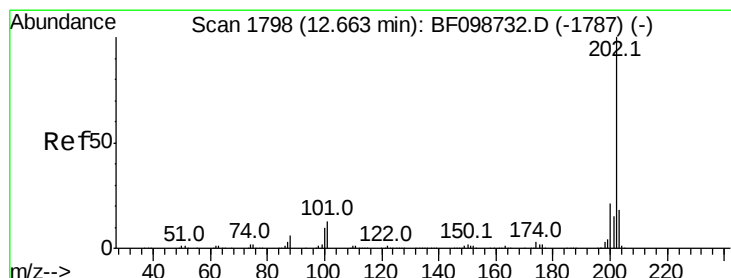
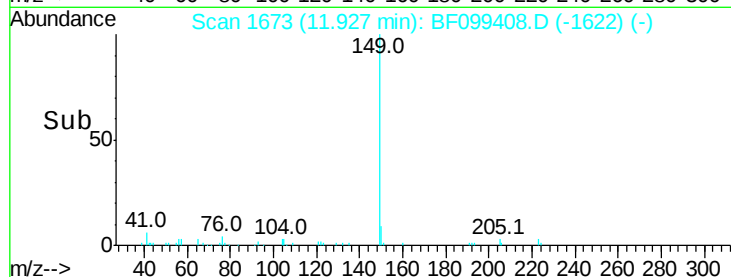
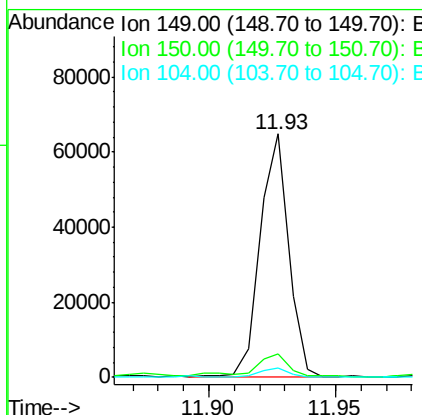
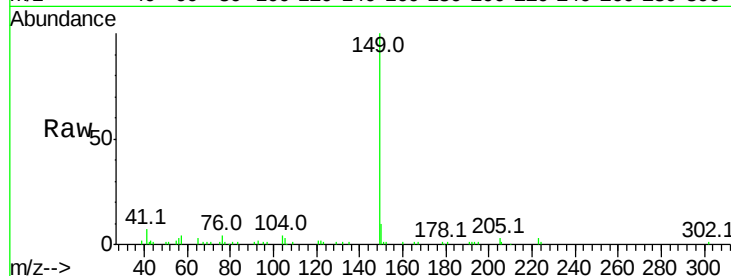
ClientSampleId :

4E-(2-3)

Tot Ion:	149	Resp:	51344
Ion Ratio	Lower	Upper	
149	100		
150	9.5	7.8	11.6
104	3.6	3.8	5.8#

Manual Integrations
APPROVED

Sohil
10/13/2017 3:05:52 PM



#74

Fluoranthene

Concen: 27.798 ng

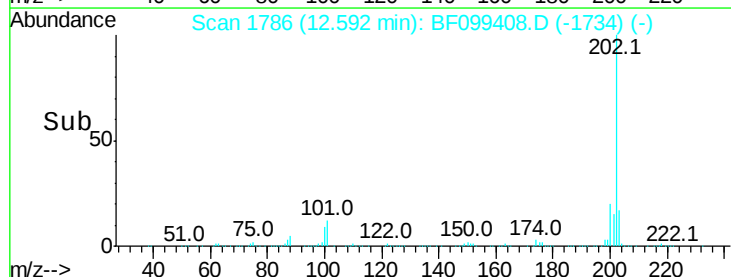
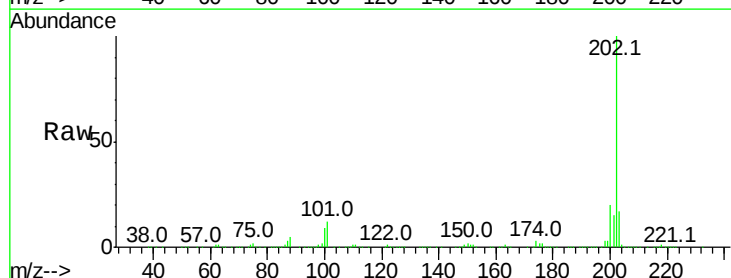
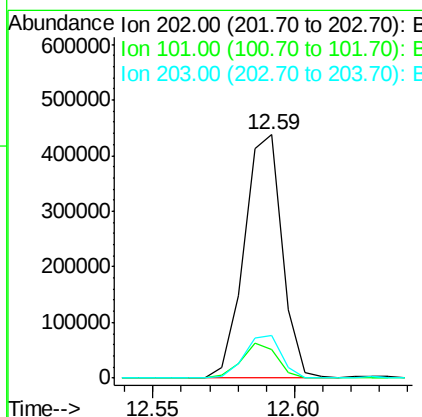
RT: 12.59 min Scan# 1786

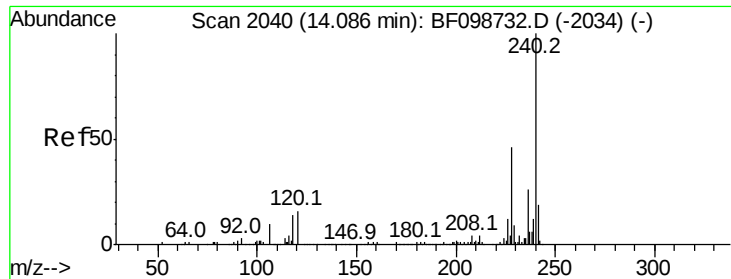
Delta R.T. 0.01 min

Lab File: BF099408.D

Acq: 12 Oct 2017 21:28

Tgt Ion:	202	Resp:	406863
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	34.1
203	17.3	0.0	38.1





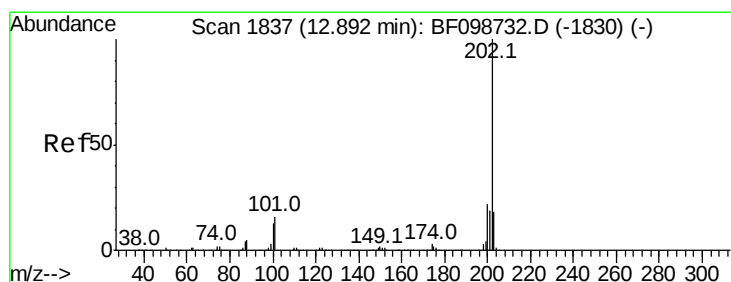
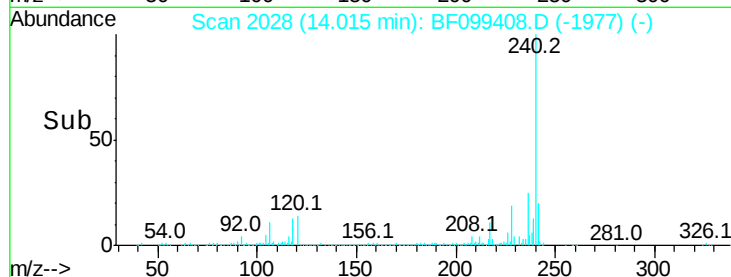
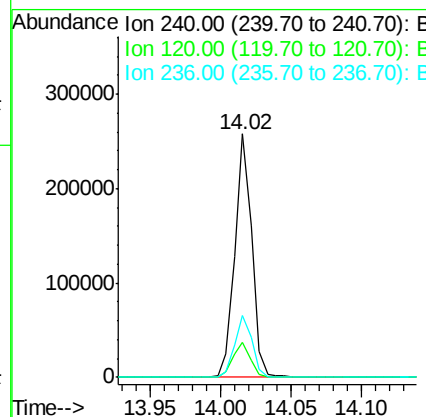
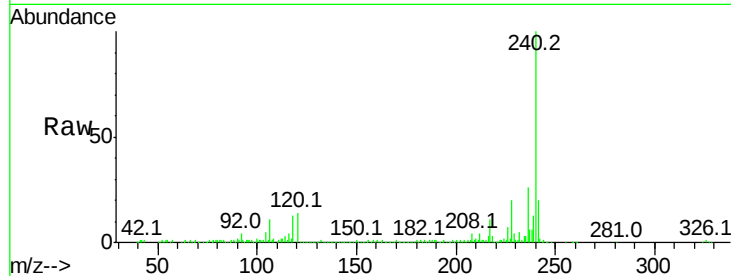
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BF099408.D
 Acq: 12 Oct 2017 21:28

Instrument :
 BNA_F
 ClientSampleId :
 4E-(2-3)

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.3	9.5	14.3#
236	25.5	20.7	31.1

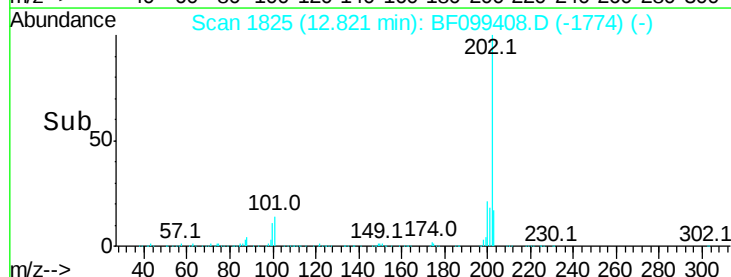
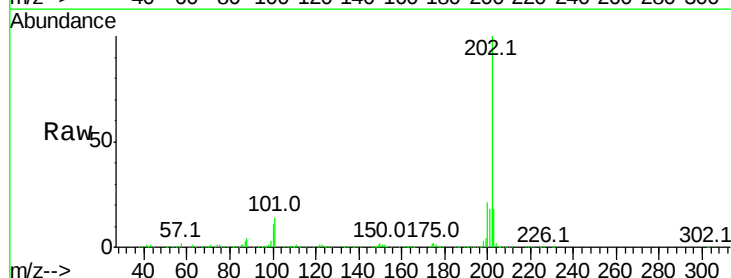
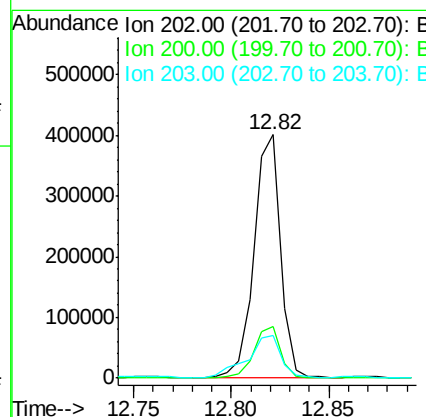
Manual Integrations
 APPROVED

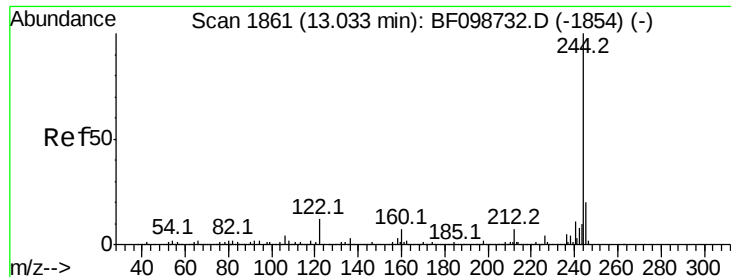
Sohil
 10/13/2017 3:05:52 PM



#77
 Pyrene
 Concen: 22.780 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BF099408.D
 Acq: 12 Oct 2017 21:28

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.6	14.3	21.5





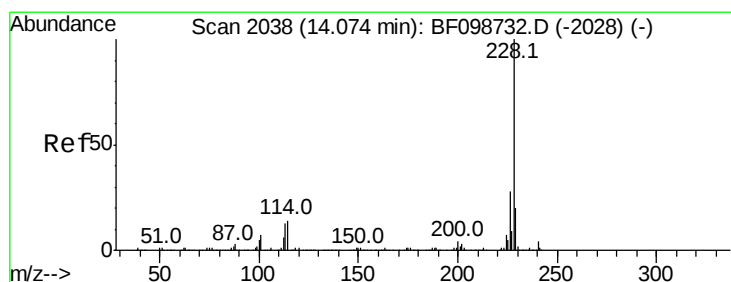
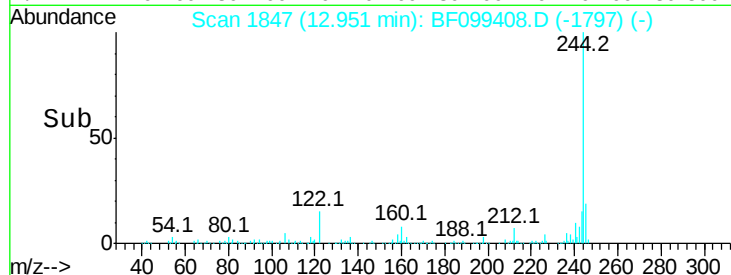
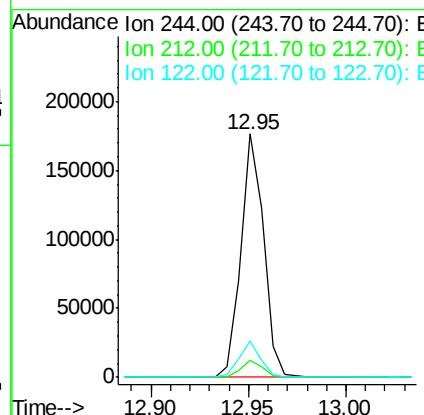
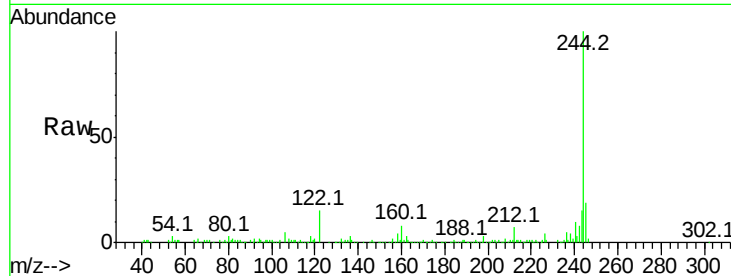
#78
 Terphenyl-d14
 Concen: 14.974 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF099408.D
 Acq: 12 Oct 2017 21:28

Instrument :
 BNA_F
 ClientSampleId :
 4E-(2-3)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	14.7	11.0	16.4

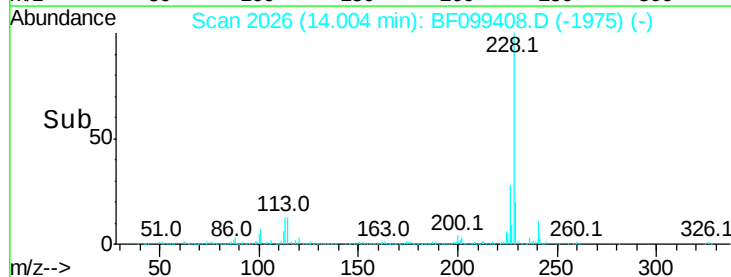
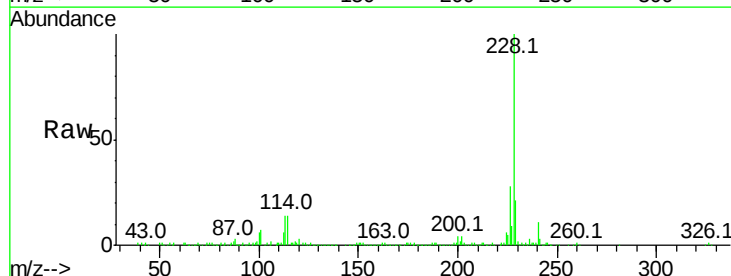
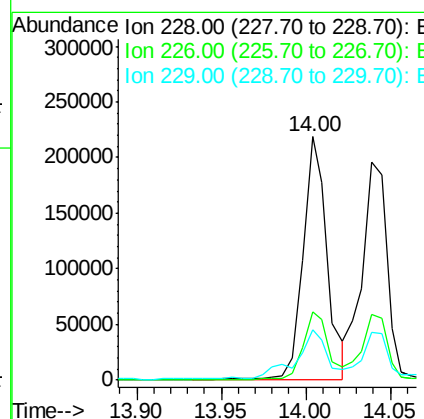
Manual Integrations
 APPROVED

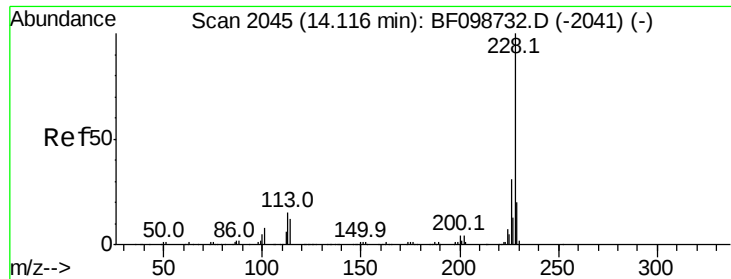
Sohil
 10/13/2017 3:05:52 PM



#80
 Benzo(a)anthracene
 Concen: 16.540 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.00 min
 Lab File: BF099408.D
 Acq: 12 Oct 2017 21:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.7	15.8	23.6





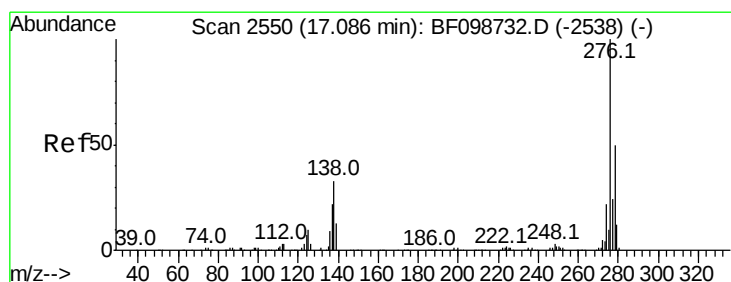
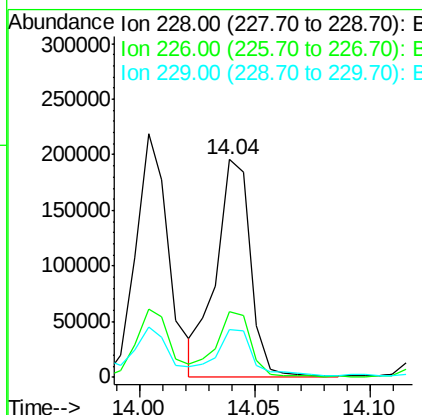
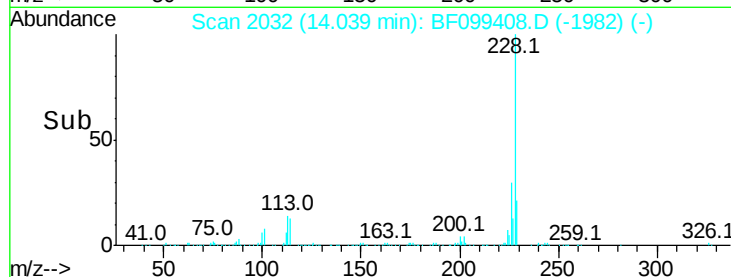
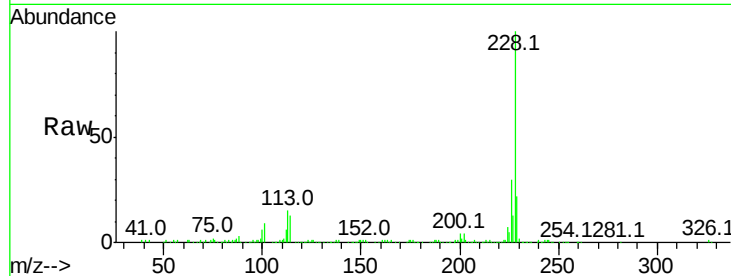
#82
Chrysene
Concen: 16.150 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Instrument :
BNA_F
ClientSampled :
4E-(2-3)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.3	25.0	37.6		
229	22.0	16.2	24.4		

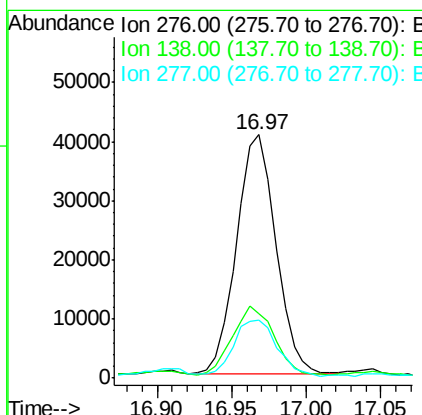
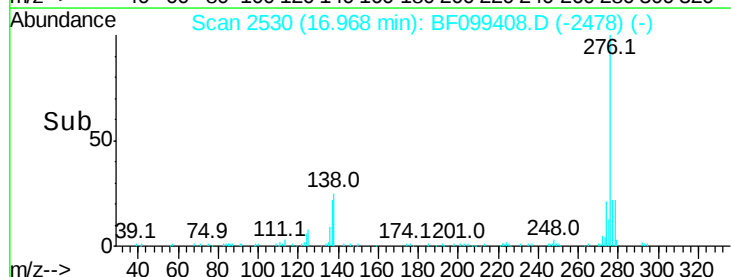
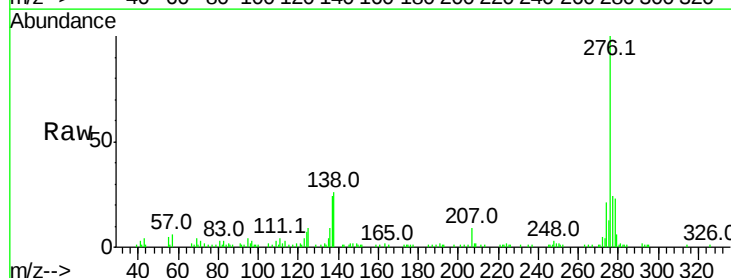
Manual Integrations
APPROVED

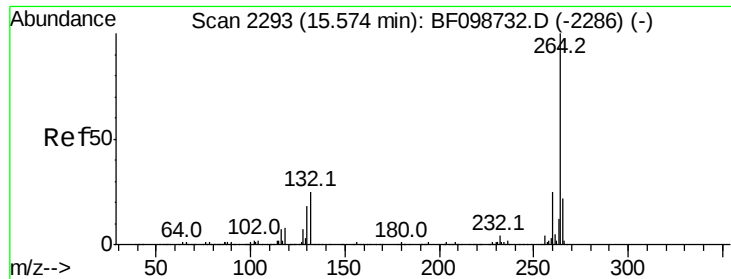
Sohil
10/13/2017 3:05:52 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 7.384 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.01 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	32.5	25.0	37.6		
277	26.3	20.1	30.1		





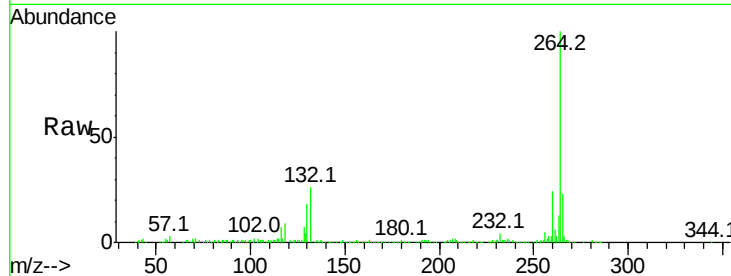
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Instrument :
BNA_F
ClientSampleId :
4E-(2-3)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.6	17.5	26.3

Manual Integrations
APPROVED

Sohil
10/13/2017 3:05:52 PM

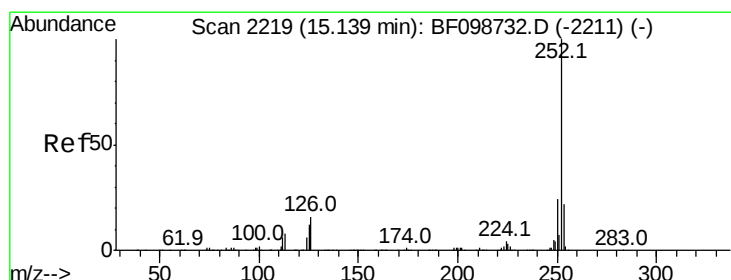
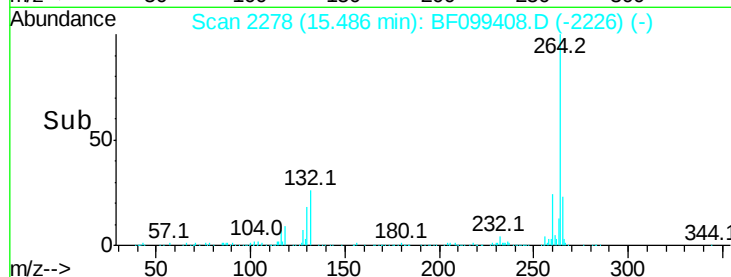
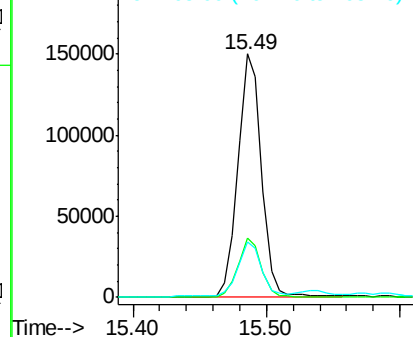


Abundance

Ion 264.00 (263.70 to 264.70): E

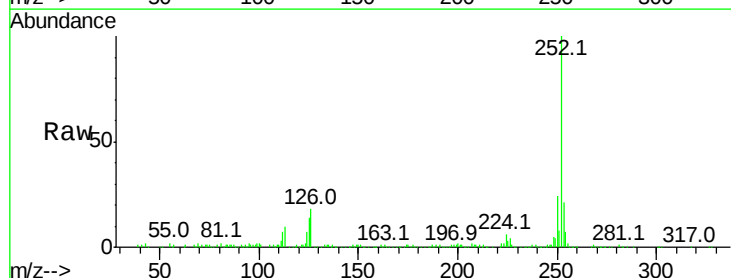
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 19.598 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.6
125	14.4	9.0	13.6

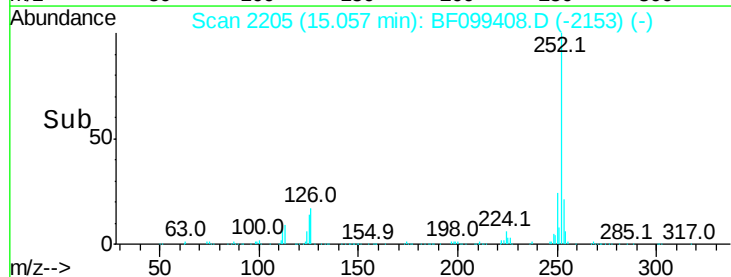
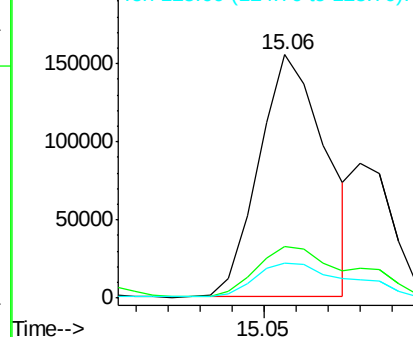


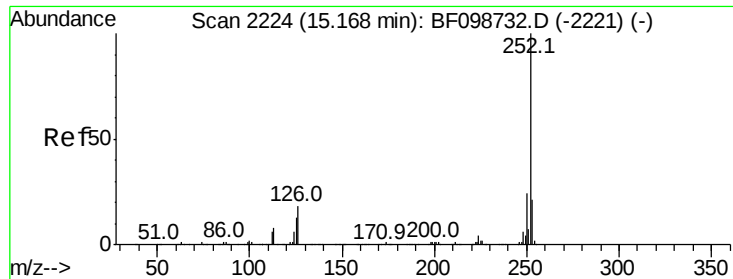
Abundance

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





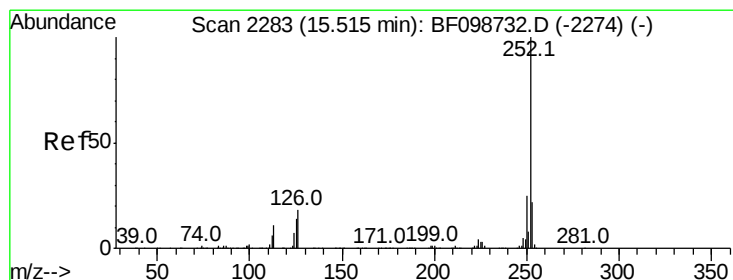
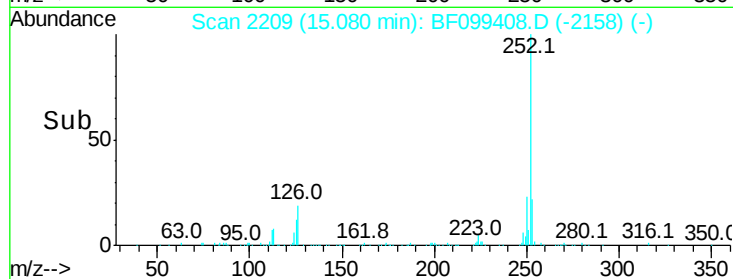
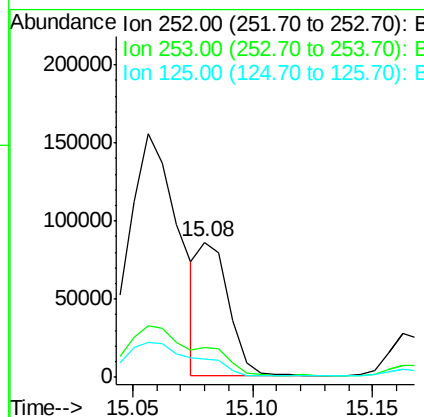
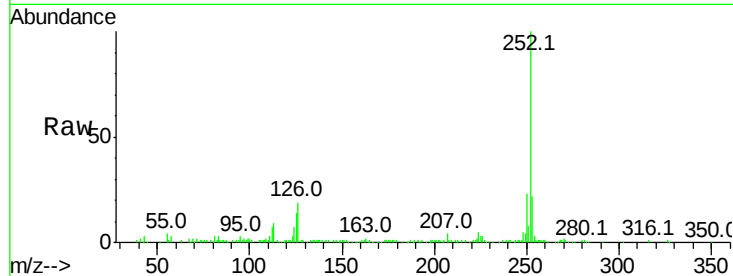
#88
Benzo(k)fluoranthene
Concen: 6.587 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.00 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Instrument :
BNA_F
ClientSampleId :
4E-(2-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	13.6	10.2	15.2

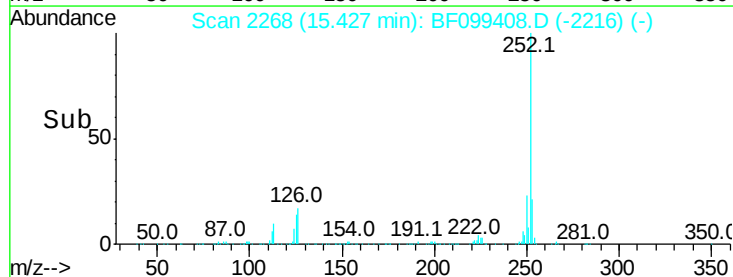
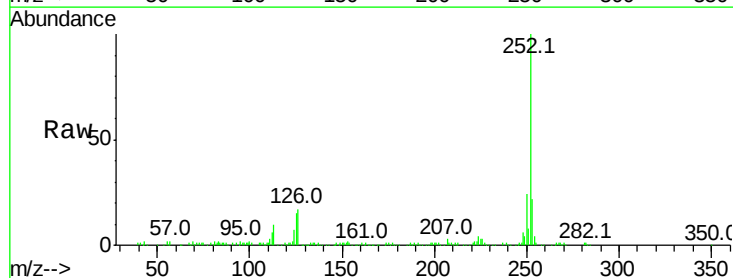
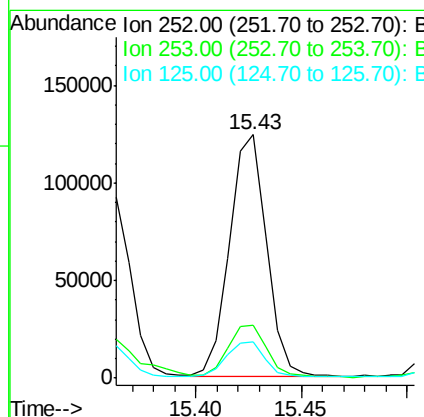
Manual Integrations
APPROVED

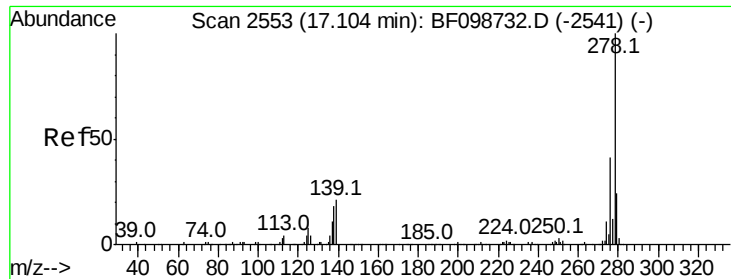
Sohil
10/13/2017 3:05:52 PM



#89
Benzo(a)pyrene
Concen: 14.369 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	14.9	9.8	14.6





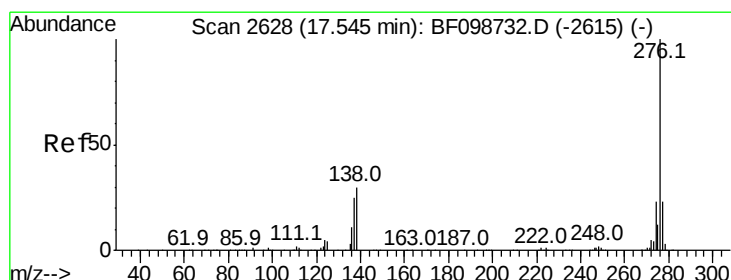
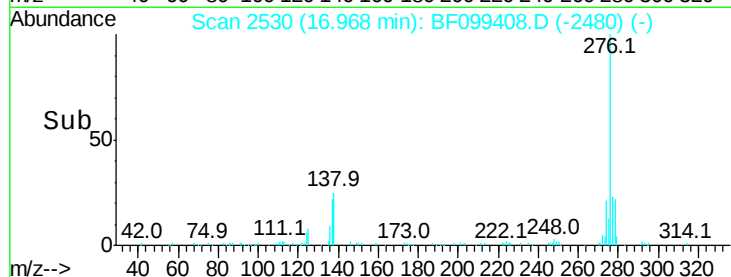
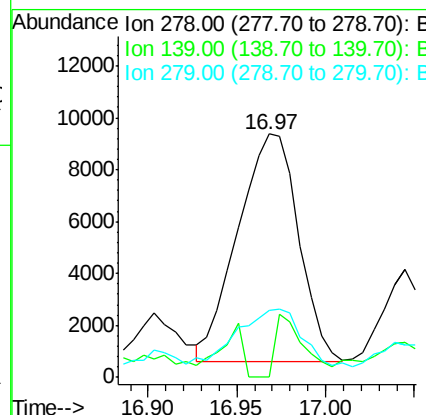
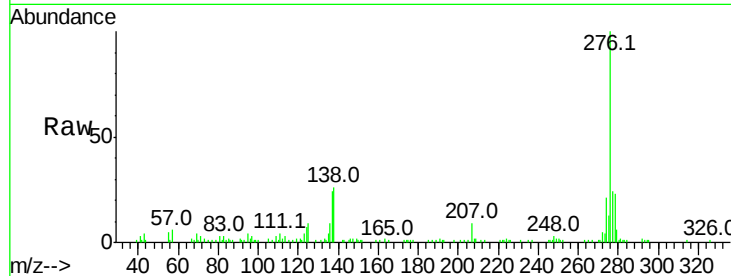
#90
Dibenzo(a,h)anthracene
Concen: 2.476 ng m
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Instrument :
BNA_F
ClientSampleId :
4E-(2-3)

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.3	19.0	28.4

Manual Integrations
APPROVED

Sohil
10/13/2017 3:05:52 PM



#91
Benzo(g,h,i)perylene
Concen: 8.453 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.01 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

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

