

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020217\
 Data File : BF092745.D
 Acq On : 2 Feb 2017 19:53
 Operator : SJ/MA
 Sample : I1658-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-COMP-2A-0-2FT

Manual Integrations
 APPROVED

mohammad
 2/3/2017 1:22:34 PM

Quant Time: Feb 03 00:40:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	164954	20.00	ng	-0.03
21) Naphthalene-d8	8.22	136	654158	20.00	ng	-0.03
38) Acenaphthene-d10	9.98	164	306463	20.00	ng	-0.02
63) Phenanthrene-d10	11.46	188	450883	20.00	ng	-0.03
75) Chrysene-d12	14.10	240	333674	20.00	ng	-0.05
86) Perylene-d12	15.56	264	328972	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1335280	138.88	ng	-0.02
7) Phenol-d6	6.58	99	1621356	131.06	ng	-0.02
23) Nitrobenzene-d5	7.50	82	1150725	97.96	ng	-0.03
41) 2,4,6-Tribromophenol	10.77	330	299480	135.11	ng	-0.03
44) 2-Fluorobiphenyl	9.31	172	1571442	92.90	ng	-0.02
78) Terphenyl-d14	13.05	244	1074748	75.68	ng	-0.03
Target Compounds						
10) Phenol	6.59	94	124585	8.61	ng	78
49) Dimethylphthalate	9.70	163	126754	6.14	ng	100
70) Phenanthrene	11.48	178	85934	3.33	ng	98
74) Fluoranthene	12.67	202	154724	5.81	ng	99
77) Pyrene	12.90	202	138109	5.53	ng	98
80) Benzo(a)anthracene	14.09	228	66498m	3.26	ng	
82) Chrysene	14.12	228	63215m	3.31	ng	
83) Bis(2-ethylhexyl)phthalate	14.08	149	39562	2.85	ng	# 96
85) Indeno(1,2,3-cd)pyrene	17.00	276	36881	2.49	ng	# 91
87) Benzo(b)fluoranthene	15.13	252	91244m	4.21	ng	
89) Benzo(a)pyrene	15.49	252	59237	3.16	ng	98
91) Benzo(a,h,i)perylene	17.45	276	38500	2.52	ng	# 91

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

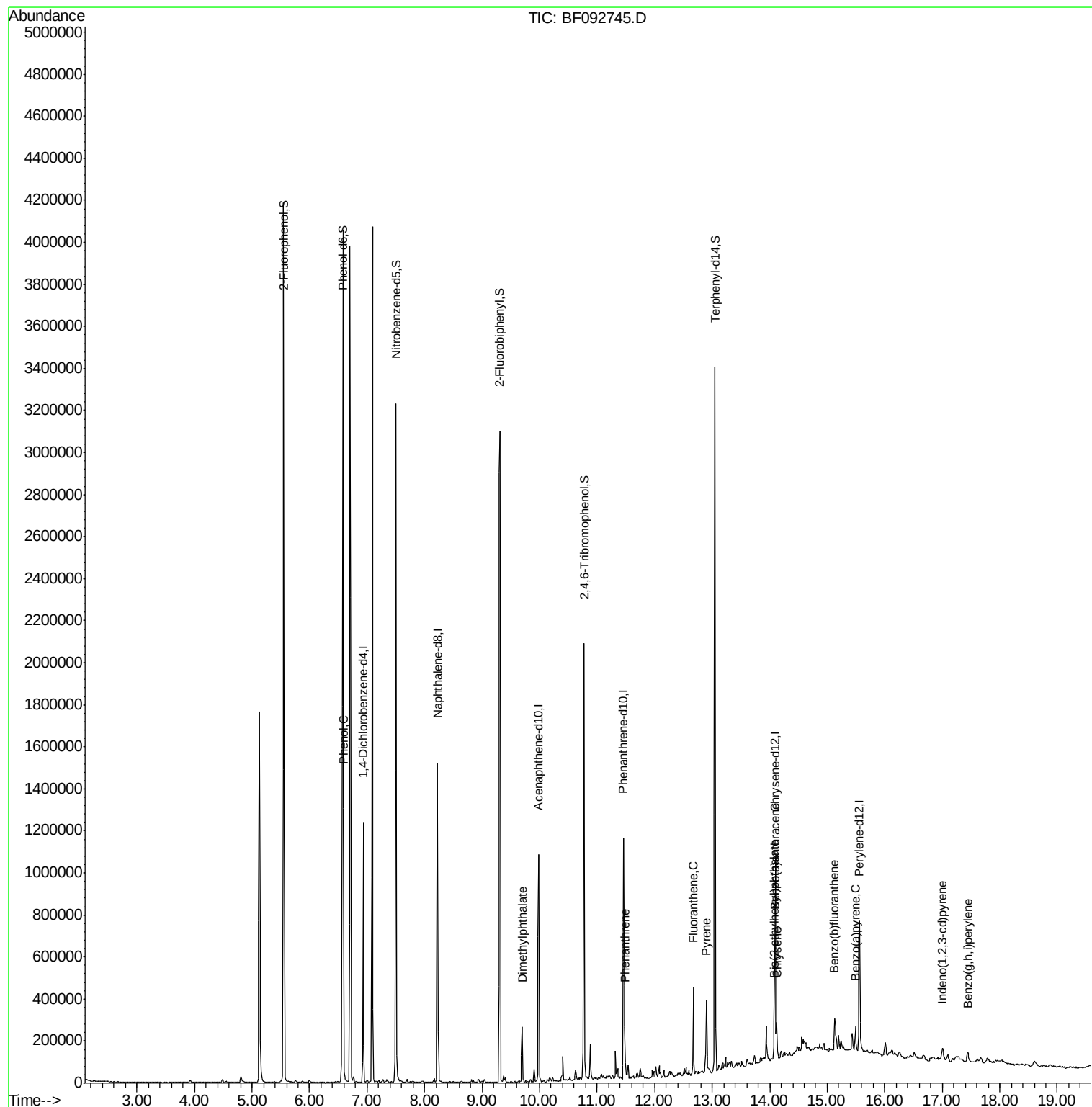
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020217\
Data File : BF092745.D
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Sample : I1658-06
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ALS Vial : 11 Sample Multiplier: 1

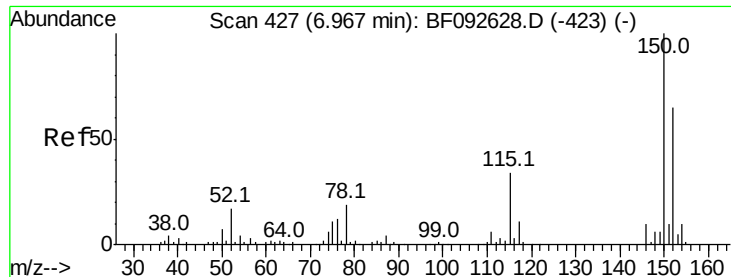
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

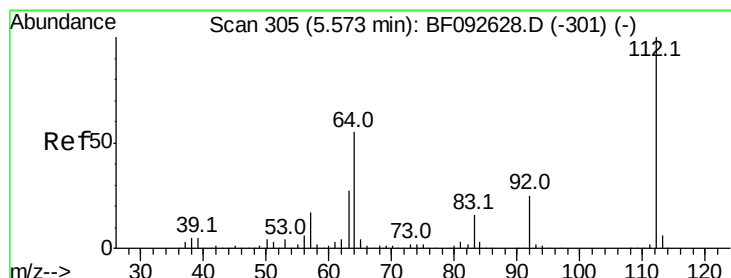
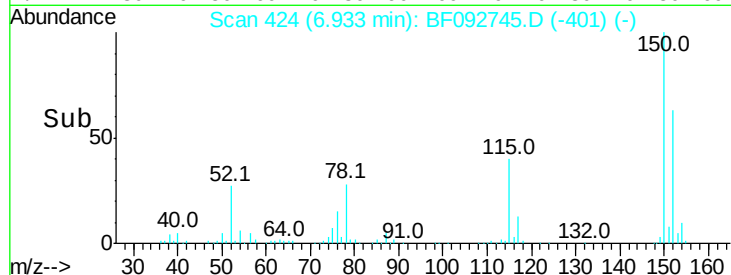
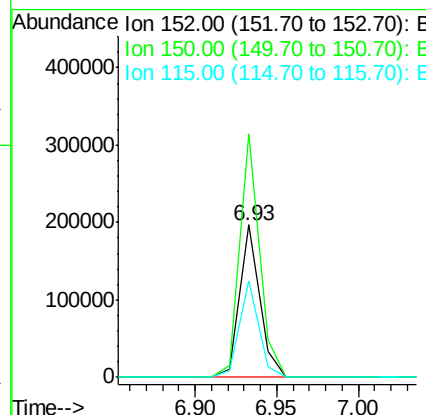
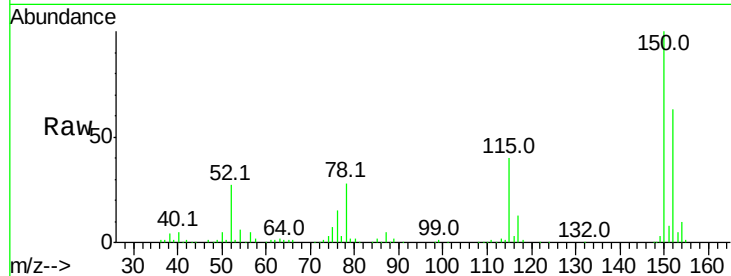
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.93 min Scan# 424
Delta R.T. -0.03 min
Lab File: BF092745.D
Acq: 2 Feb 2017 19:53

Instrument :
BNA_F
ClientSampleId :
SP-COMP-2A-0-2FT

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.9	187.3
115	63.2	46.0	69.0

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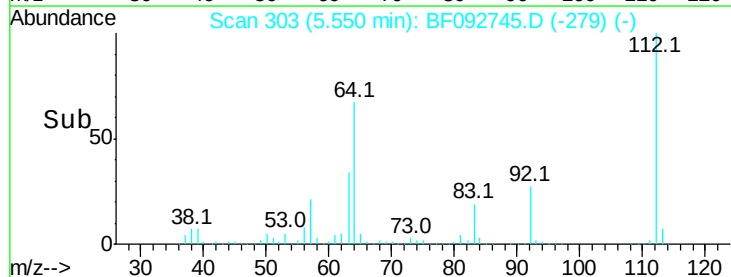
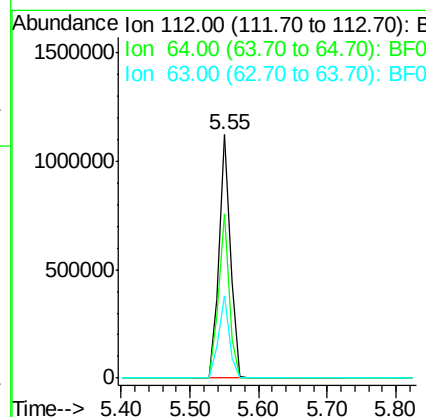
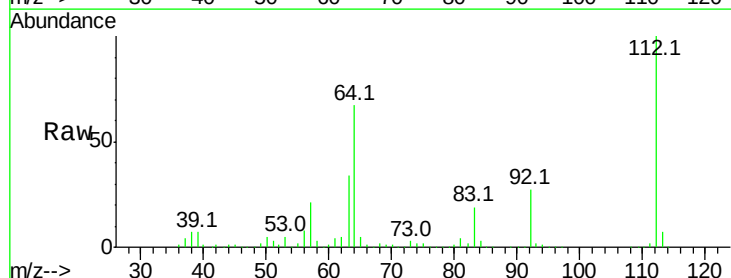
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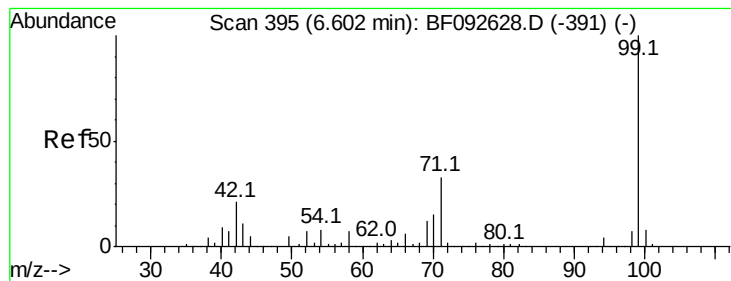


#5

2-Fluorophenol
Concen: 138.88 ng
RT: 5.55 min Scan# 303
Delta R.T. -0.02 min
Lab File: BF092745.D
Acq: 2 Feb 2017 19:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	46.1	69.1
63	34.0	23.8	35.6





#7

Phenol-d6

Concen: 131.06 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.02 min

Lab File: BF092745.D

Acq: 2 Feb 2017 19:53

Instrument :

BNA_F

ClientSampleId :

SP-COMP-2A-0-2FT

Tot Ion: 99 Resp: 1621356

Ion Ratio Lower Upper

99 100

42 21.3 15.6 23.4

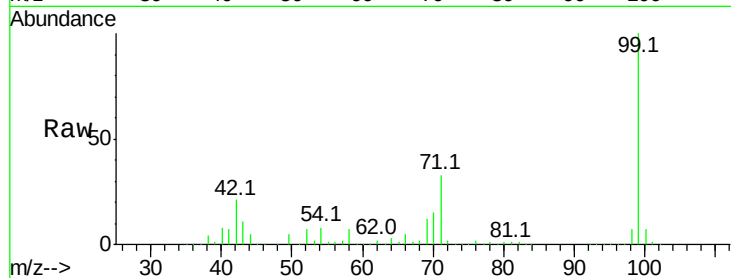
71 33.2 27.5 41.3

Manual Integrations

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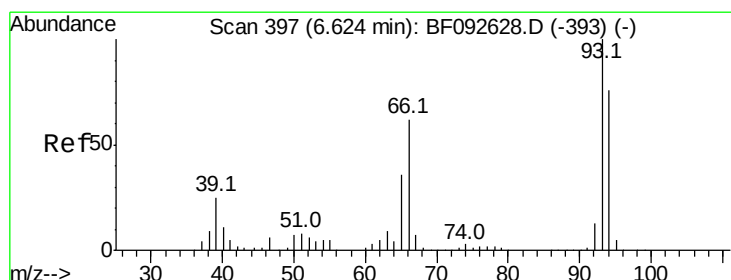
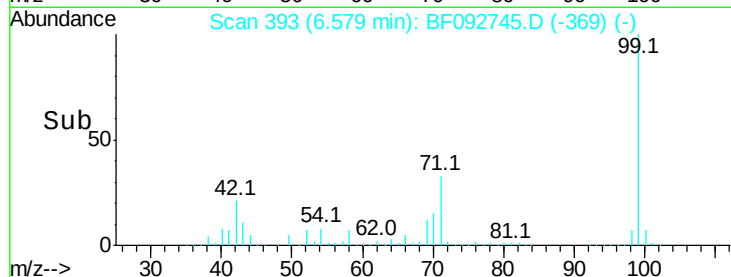
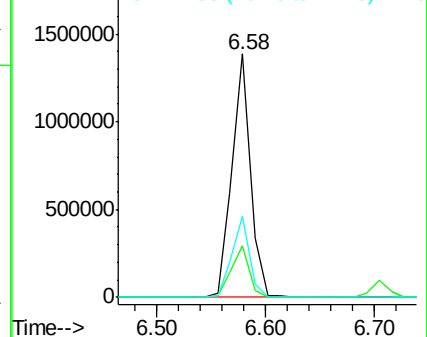
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 8.61 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.03 min

Lab File: BF092745.D

Acq: 2 Feb 2017 19:53

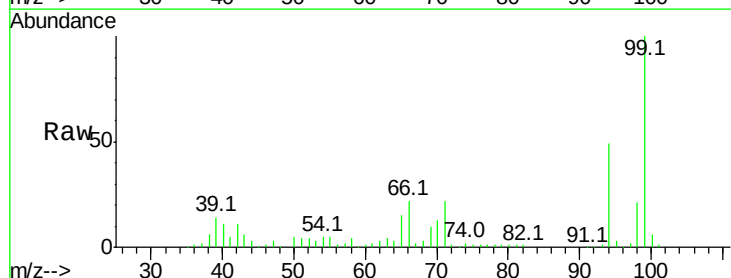
Tgt Ion: 94 Resp: 124585

Ion Ratio Lower Upper

94 100

65 31.0 21.4 61.4

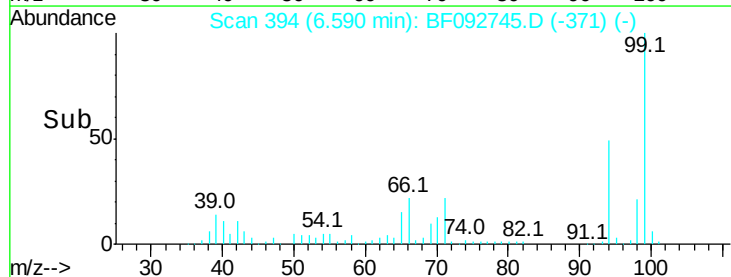
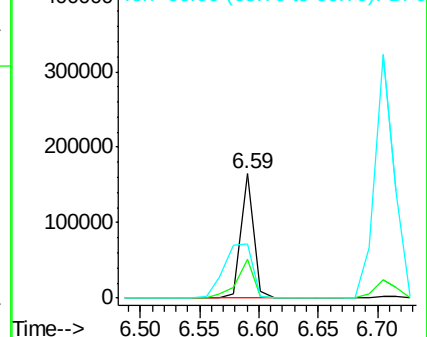
66 44.1 44.0 84.0

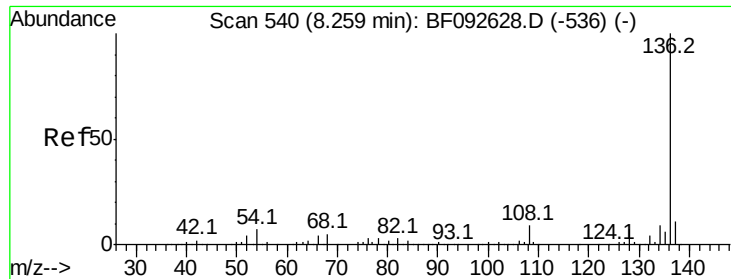


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





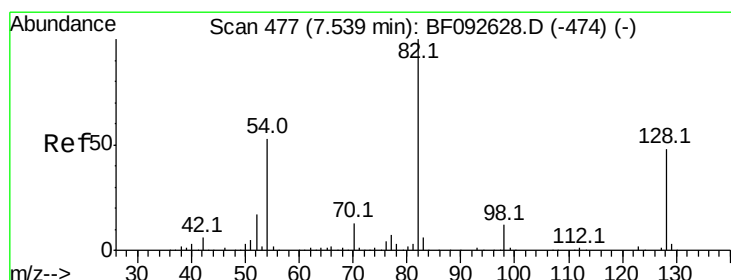
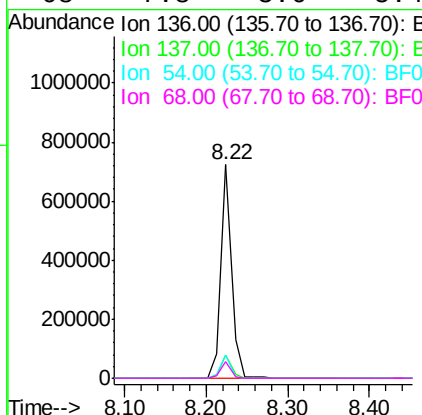
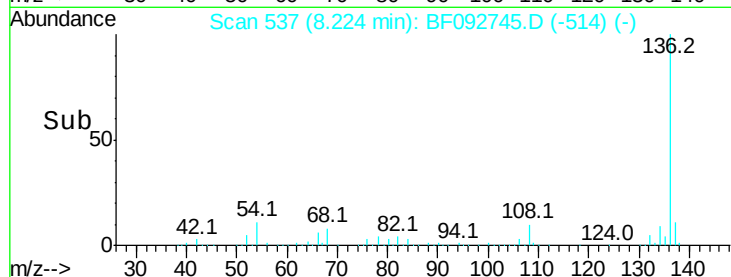
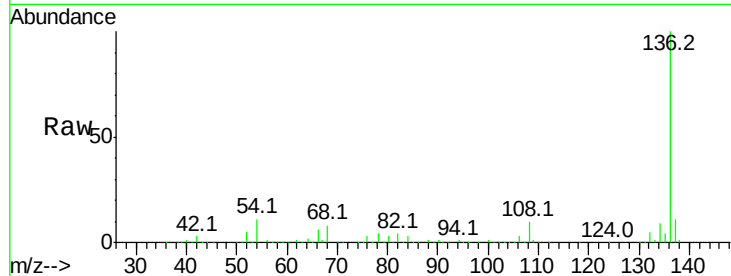
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF092745.D
Acq: 2 Feb 2017 19:53

Instrument :
BNA_F
ClientSampleId :
SP-COMP-2A-0-2FT

Tot Ion	Ratio	Resp	Lower	Upper
136	100	654158		
137	10.9		8.4	12.6
54	10.9		4.5	6.7#
68	7.8		3.6	5.4#

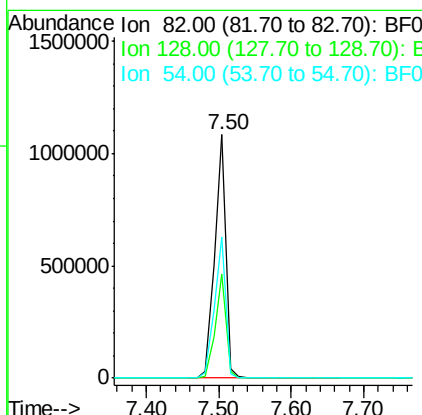
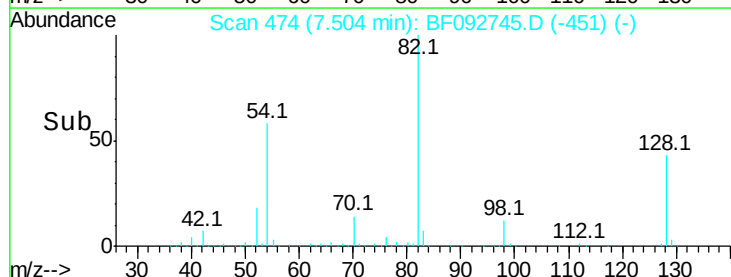
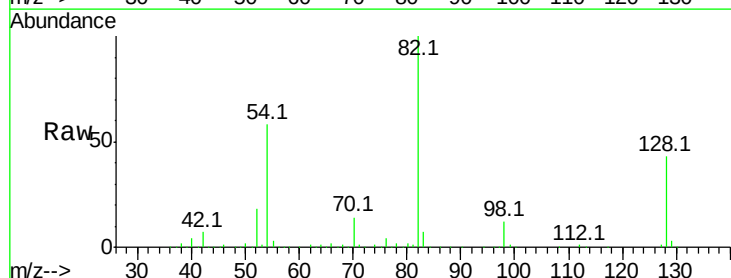
Manual Integrations
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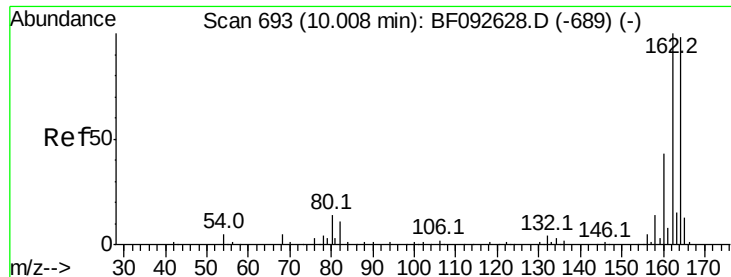
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#23
Nitrobenzene-d5
Concen: 97.96 ng
RT: 7.50 min Scan# 474
Delta R.T. -0.03 min
Lab File: BF092745.D
Acq: 2 Feb 2017 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1150725		
128	42.8		34.6	52.0
54	58.2		39.5	59.3





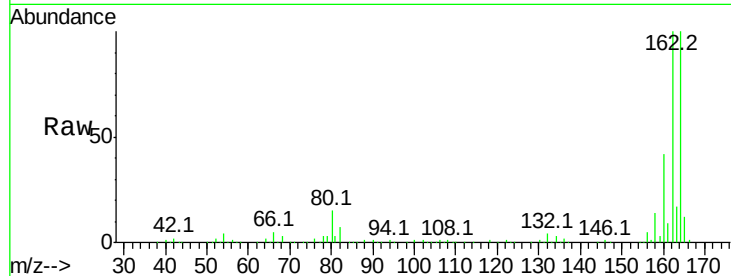
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.02 min
Lab File: BF092745.D
Acq: 2 Feb 2017 19:53

Instrument :
BNA_F
ClientSampleId :
SP-COMP-2A-0-2FT

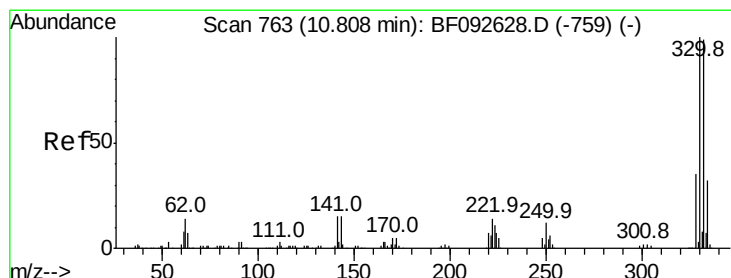
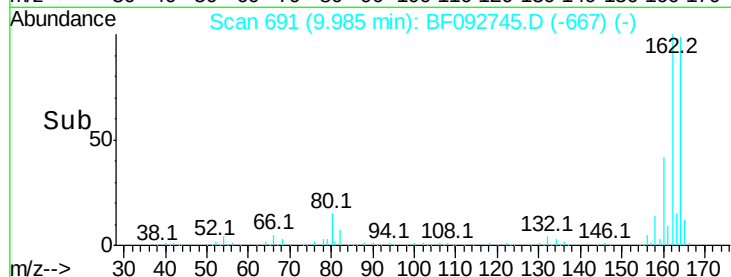
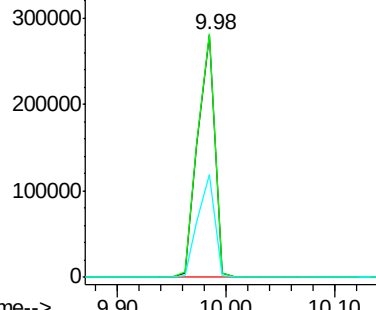
Tot Ion	Ratio	Resp	Lower	Upper
164	100	306463		
162	100.4		80.2	120.2
160	42.2		36.9	55.3

Manual Integrations
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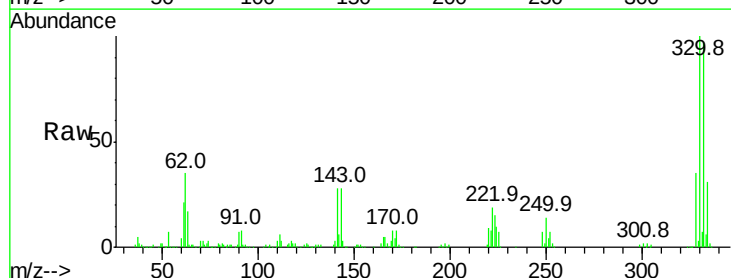


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

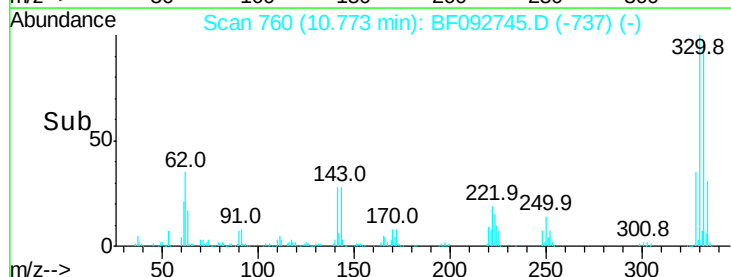
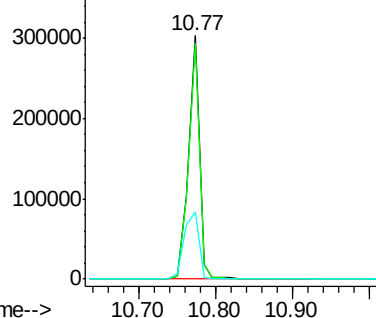


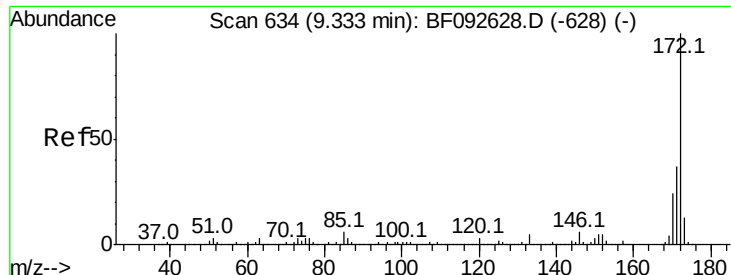
#41
2,4,6-Tribromophenol
Concen: 135.11 ng
RT: 10.77 min Scan# 760
Delta R.T. -0.03 min
Lab File: BF092745.D
Acq: 2 Feb 2017 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	299480		
332	97.3		77.4	116.2
141	37.5		34.1	51.1



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





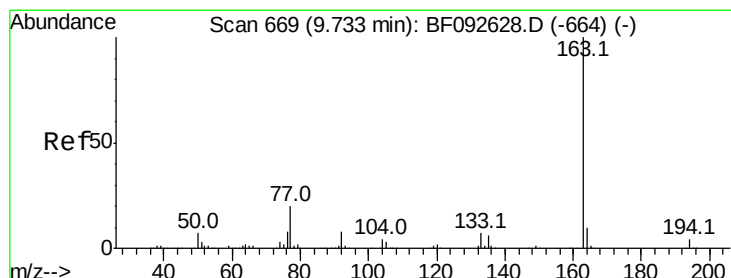
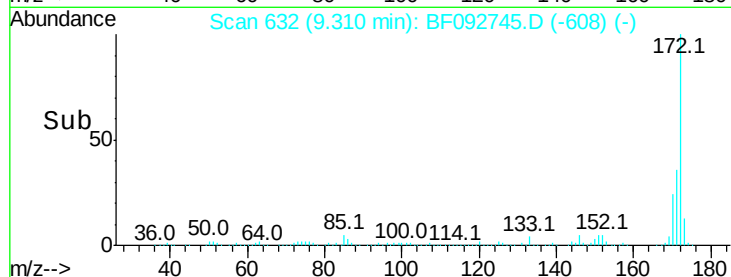
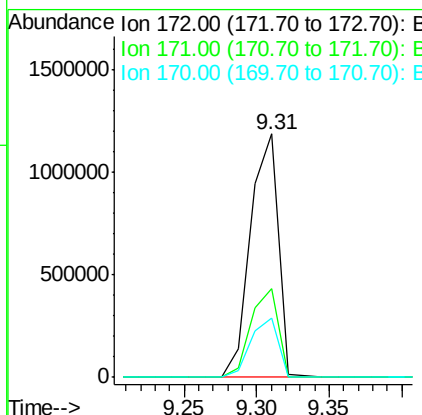
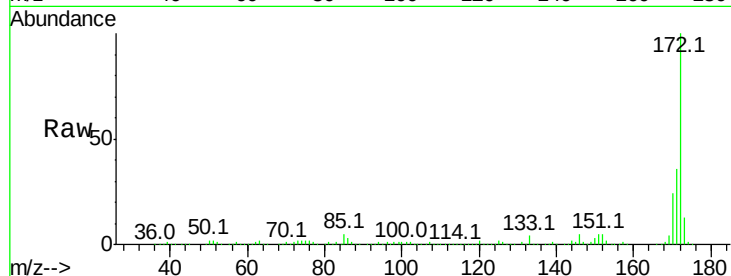
#44
2-Fluorobiphenyl
Concen: 92.90 ng
RT: 9.31 min Scan# 632
Delta R.T. -0.02 min
Lab File: BF092745.D
Acq: 2 Feb 2017 19:53

Instrument :
BNA_F
ClientSampleId :
SP-COMP-2A-0-2FT

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.2	20.2	30.4

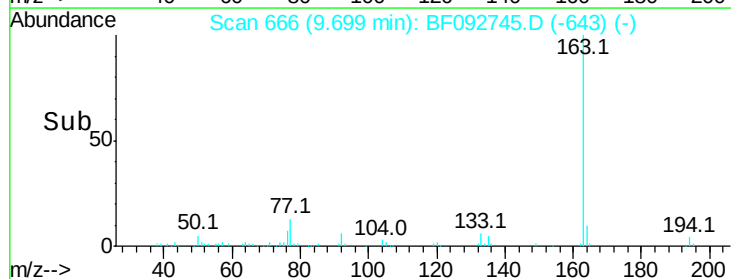
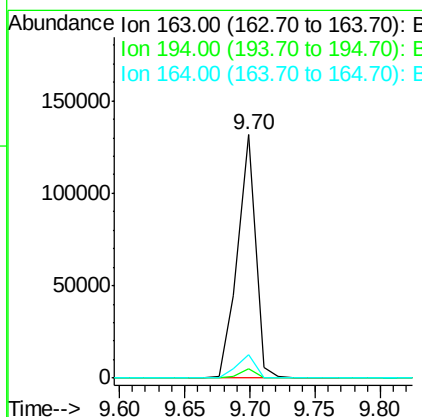
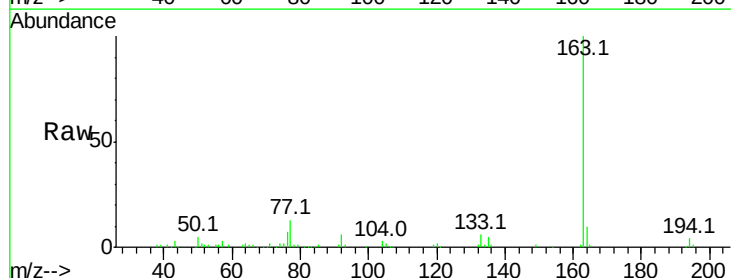
Manual Integrations
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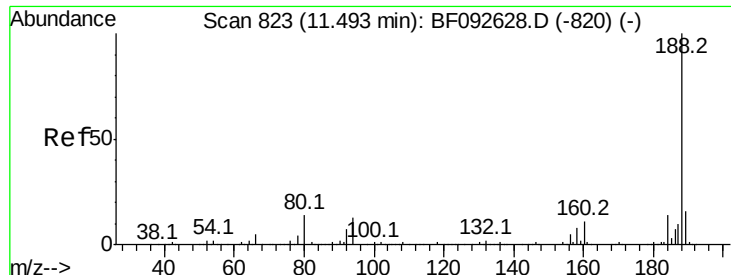
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#49
Dimethylphthalate
Concen: 6.14 ng
RT: 9.70 min Scan# 666
Delta R.T. -0.03 min
Lab File: BF092745.D
Acq: 2 Feb 2017 19:53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	9.9	8.0	12.0





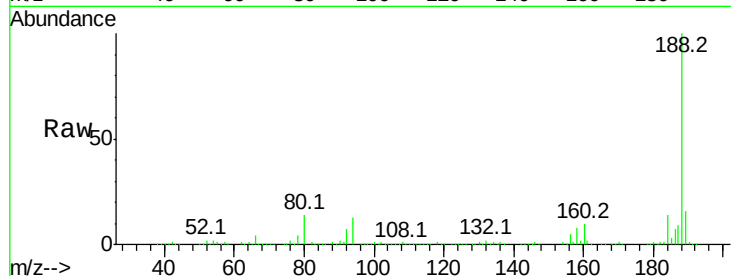
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.03 min
Lab File: BF092745.D
Acq: 2 Feb 2017 19:53

Instrument :
BNA_F
ClientSampleId :
SP-COMP-2A-0-2FT

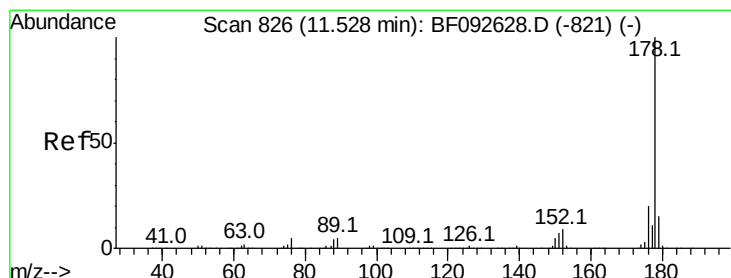
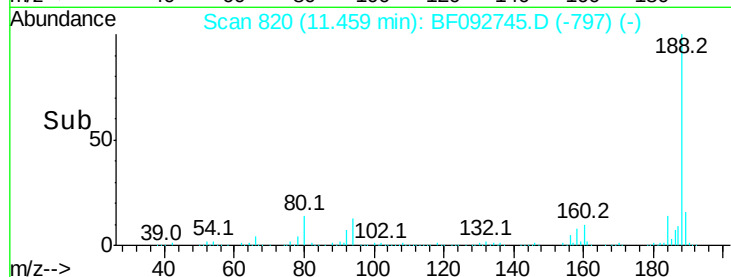
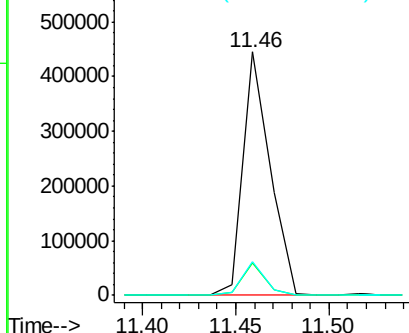
Tot Ion	Ratio	Resp	Lower	Upper
188	100	450883		
94	13.2		10.0	15.0
80	14.0		11.2	16.8

Manual Integrations
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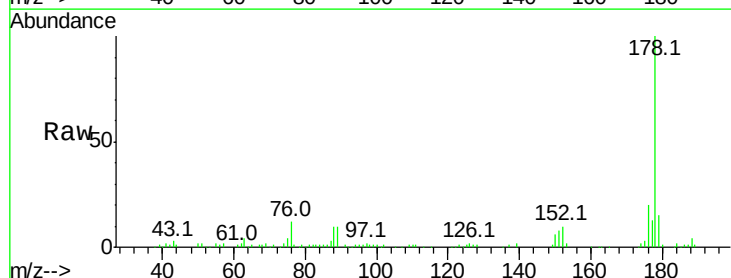


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

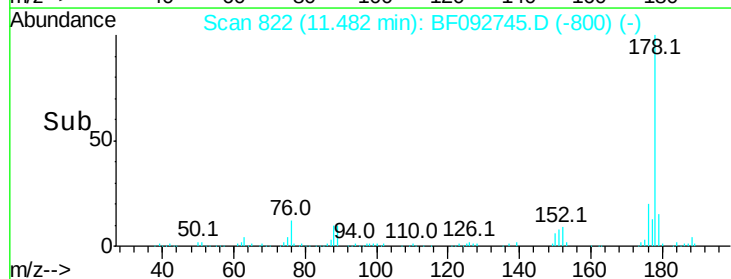
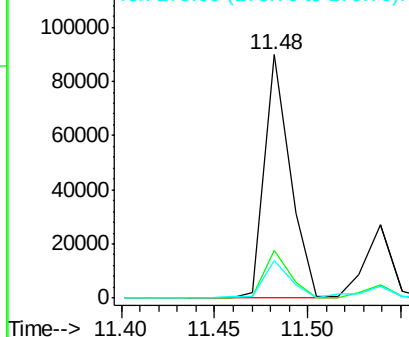


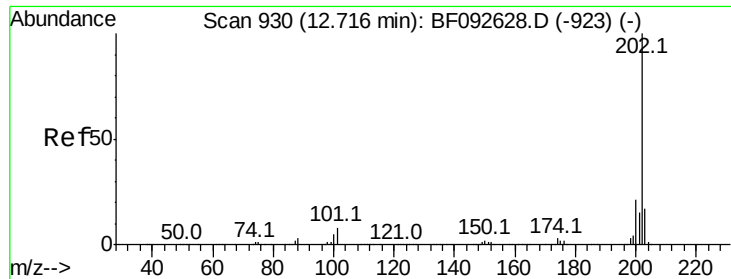
#70
Phenanthrene
Concen: 3.33 ng
RT: 11.48 min Scan# 822
Delta R.T. -0.05 min
Lab File: BF092745.D
Acq: 2 Feb 2017 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	85934		
176	19.7		16.6	25.0
179	15.4		12.8	19.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





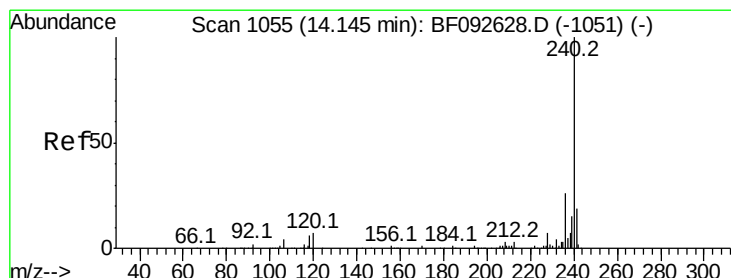
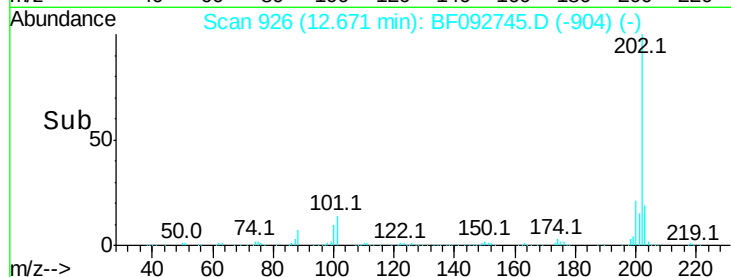
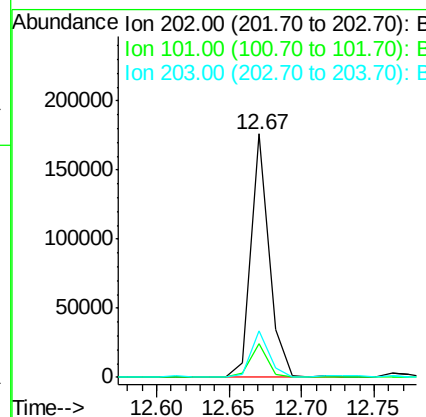
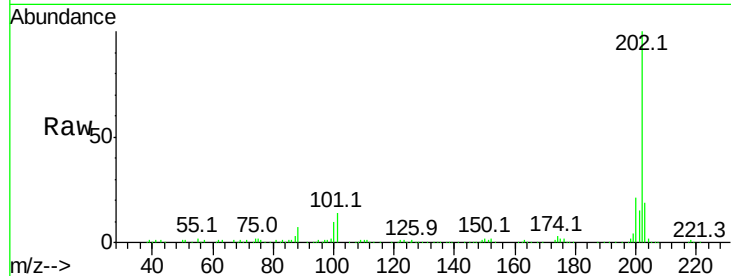
#74
Fluoranthene
Concen: 5.81 ng
RT: 12.67 min Scan# 926
Delta R.T. -0.05 min
Lab File: BF092745.D
Acq: 2 Feb 2017 19:53

Instrument :
BNA_F
ClientSampleId :
SP-COMP-2A-0-2FT

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	13.6	0.0	34.6		
203	18.9	0.0	38.7		

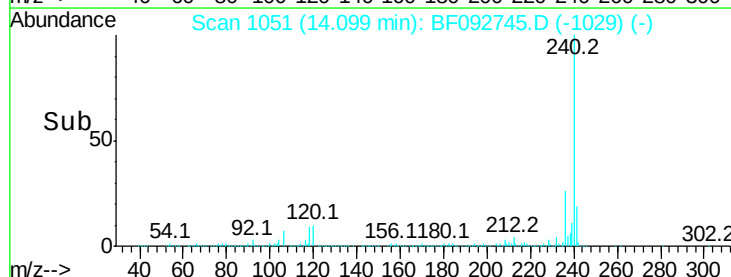
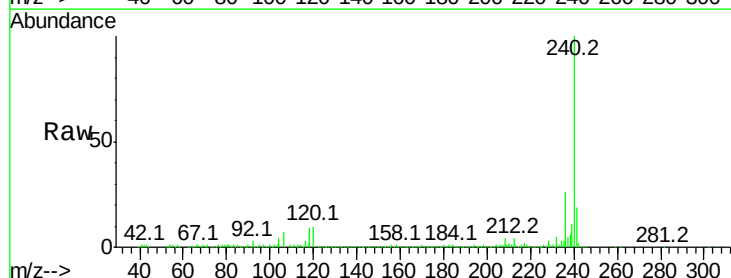
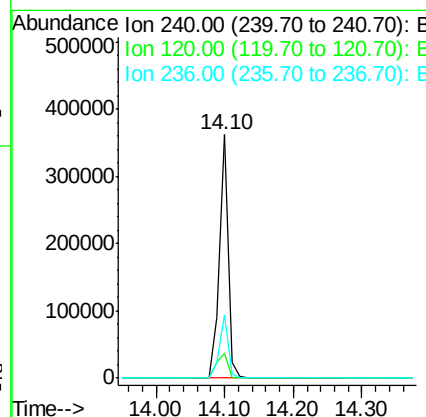
Manual Integrations
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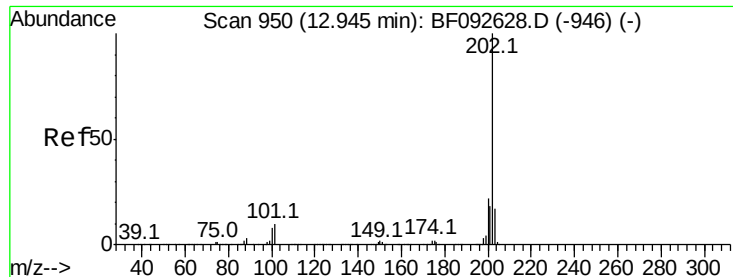
mohammad
2/3/2017 1:22:34 PM



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.10 min Scan# 1051
Delta R.T. -0.05 min
Lab File: BF092745.D
Acq: 2 Feb 2017 19:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	10.3	12.9	19.3#		
236	25.9	20.9	31.3		





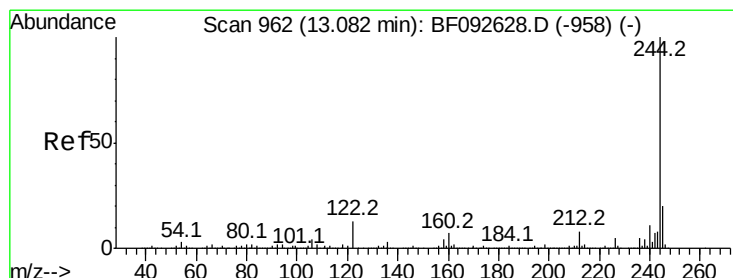
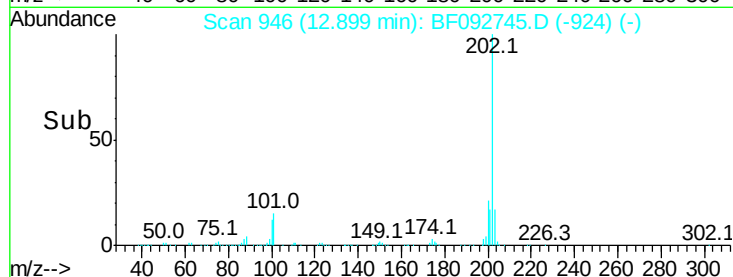
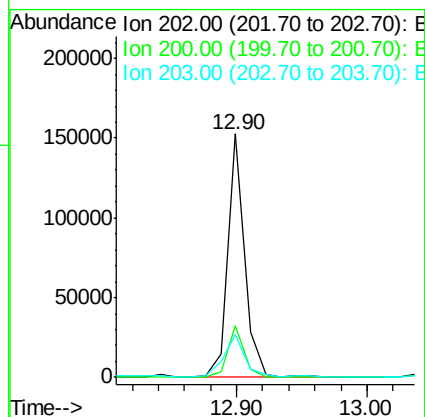
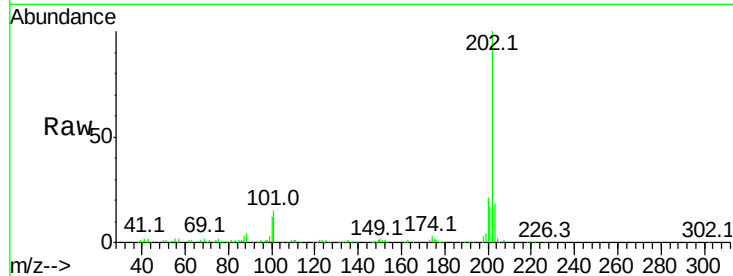
#77
Pvrene
Concen: 5.53 ng
RT: 12.90 min Scan# 946
Delta R.T. -0.05 min
Lab File: BF092745.D
Acq: 2 Feb 2017 19:53

Instrument :
BNA_F
ClientSampleId :
SP-COMP-2A-0-2FT

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.7	26.5
203	17.6	14.7	22.1

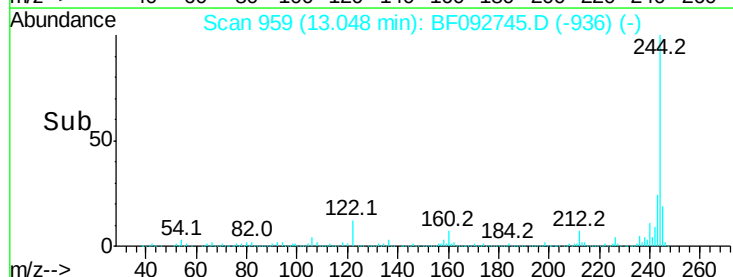
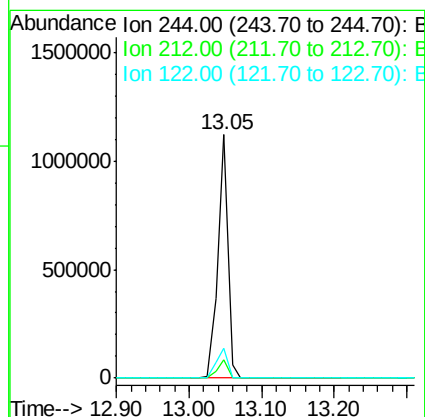
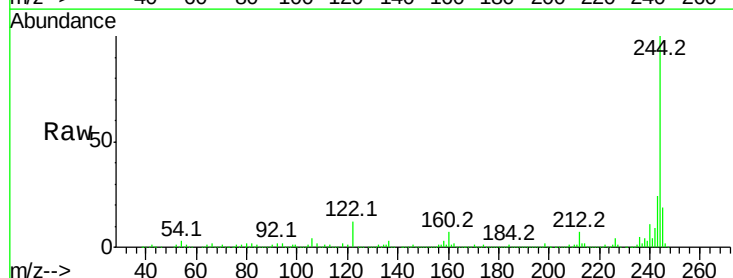
Manual Integrations
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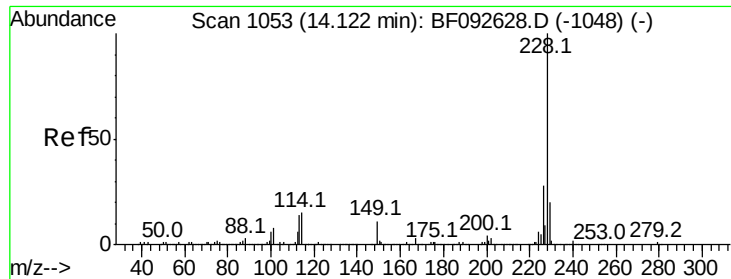
mohammad
2/3/2017 1:22:34 PM



#78
Terphenyl-d14
Concen: 75.68 ng
RT: 13.05 min Scan# 959
Delta R.T. -0.03 min
Lab File: BF092745.D
Acq: 2 Feb 2017 19:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	12.2	11.4	17.2





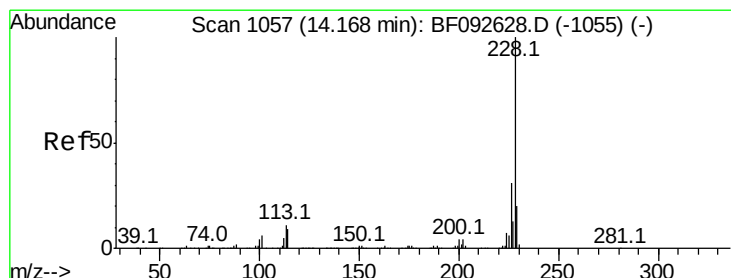
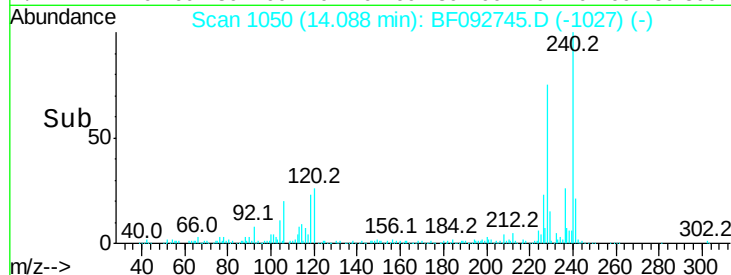
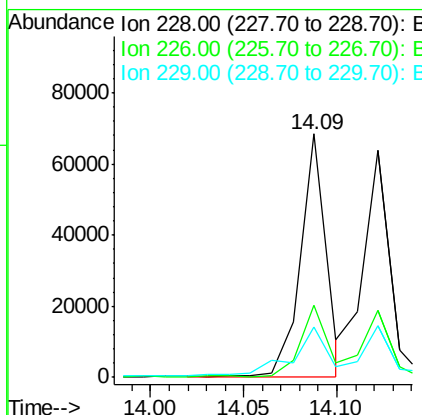
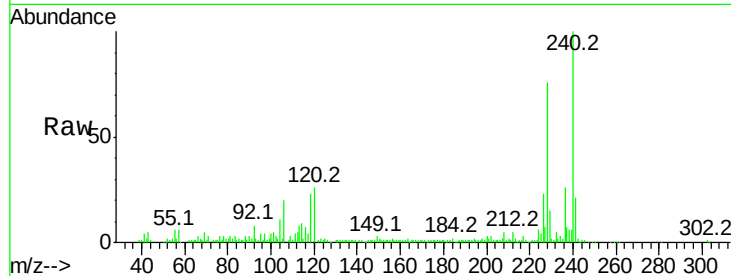
#80
Benzo(a)anthracene
Concen: 3.26 ng m
RT: 14.09 min Scan# 1050
Delta R.T. -0.03 min
Lab File: BF092745.D
Acq: 2 Feb 2017 19:53

Instrument :
BNA_F
ClientSampleId :
SP-COMP-2A-0-2FT

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.4	33.6
229	20.5	16.2	24.4

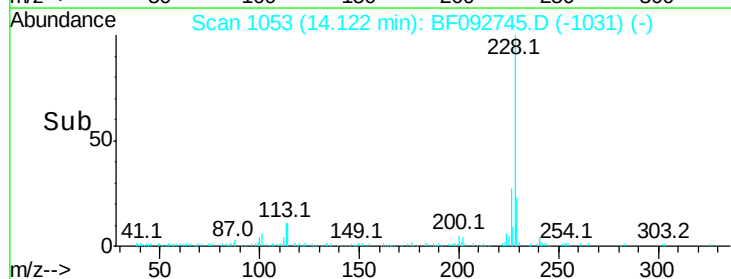
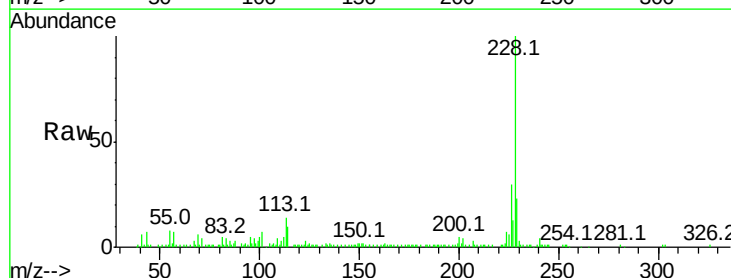
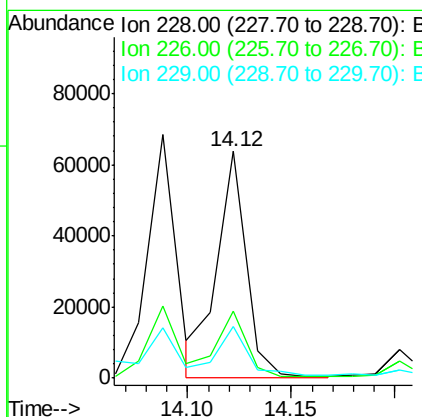
Manual Integrations
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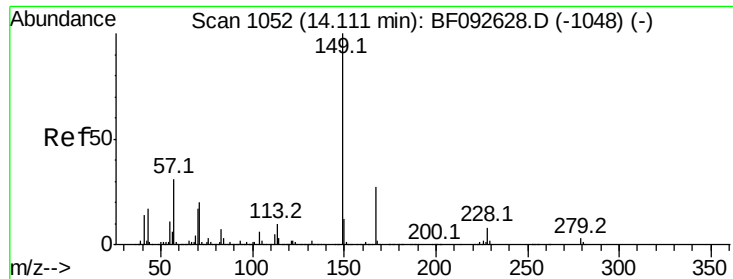
mohammad
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#82
Chrysene
Concen: 3.31 ng m
RT: 14.12 min Scan# 1053
Delta R.T. -0.05 min
Lab File: BF092745.D
Acq: 2 Feb 2017 19:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.4	38.0
229	22.5	16.2	24.2





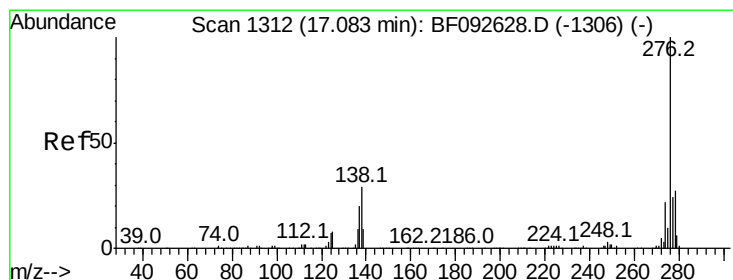
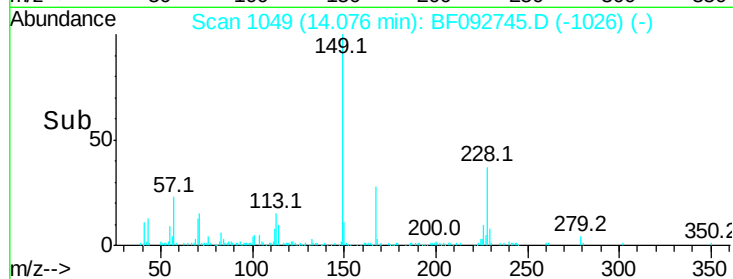
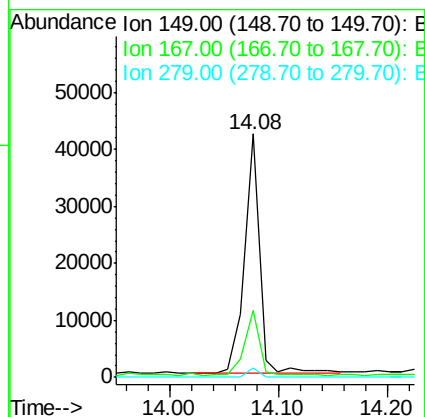
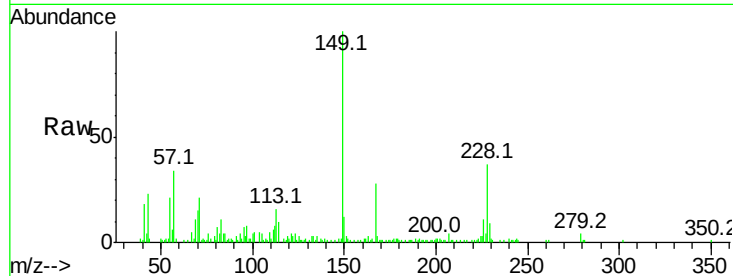
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.85 ng
 RT: 14.08 min Scan# 1049
 Delta R.T. -0.03 min
 Lab File: BF092745.D
 Acq: 2 Feb 2017 19:53

Instrument :
 BNA_F
 ClientSampleId :
 SP-COMP-2A-0-2FT

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.5	20.2	30.4
279	3.6	1.8	2.8#

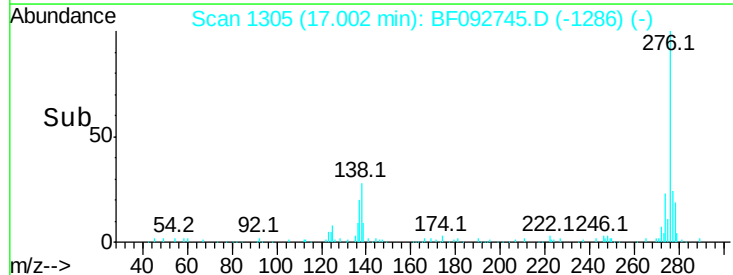
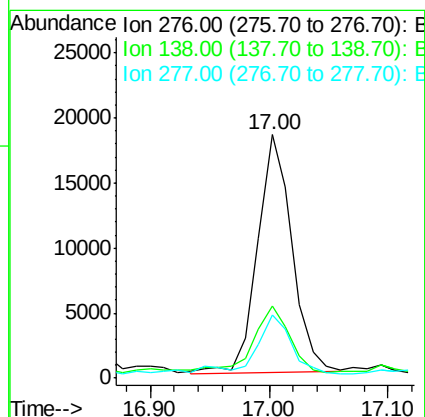
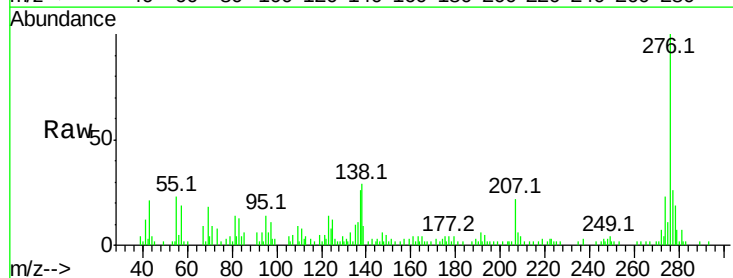
Manual Integrations
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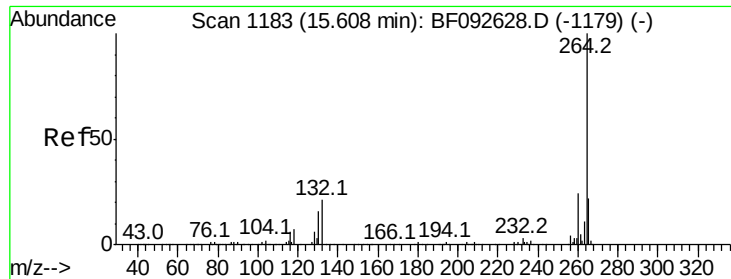
mohammad
 2/3/2017 1:22:34 PM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.49 ng
 RT: 17.00 min Scan# 1305
 Delta R.T. -0.08 min
 Lab File: BF092745.D
 Acq: 2 Feb 2017 19:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.7	21.8	32.6
277	31.2	20.2	30.4#





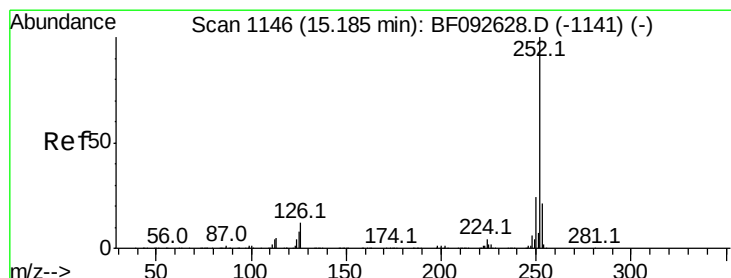
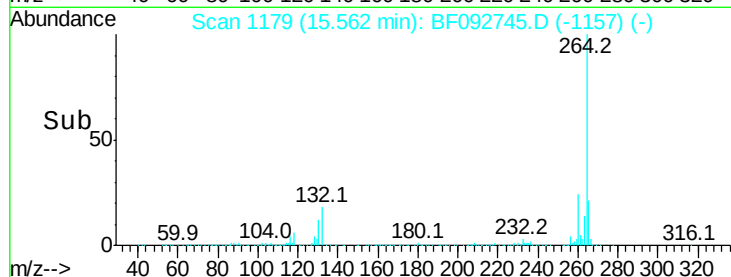
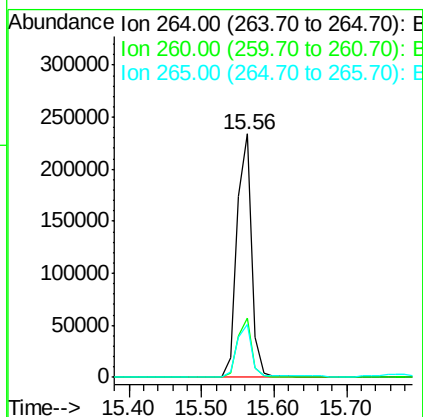
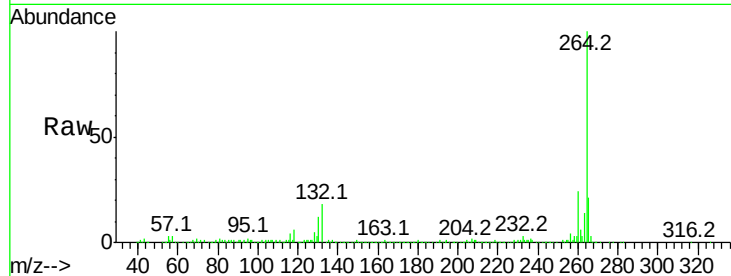
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF092745.D
Acq: 2 Feb 2017 19:53

Instrument :
BNA_F
ClientSampleId :
SP-COMP-2A-0-2FT

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.5	17.4	26.0

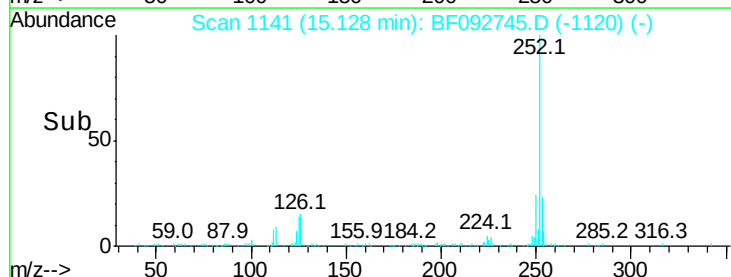
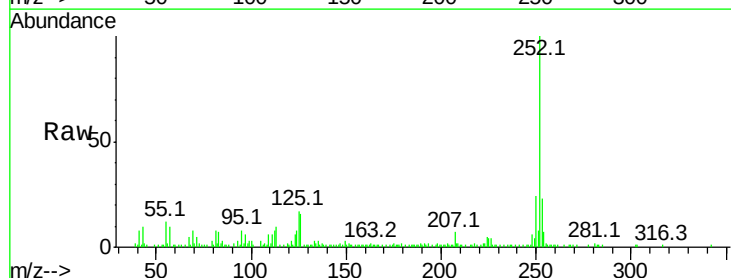
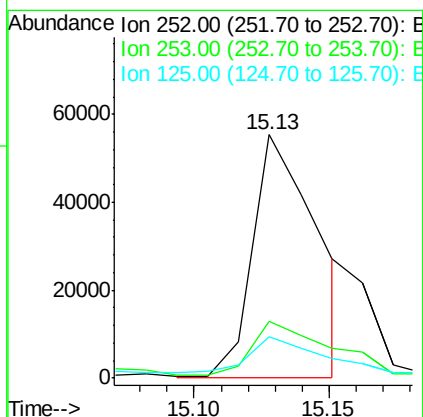
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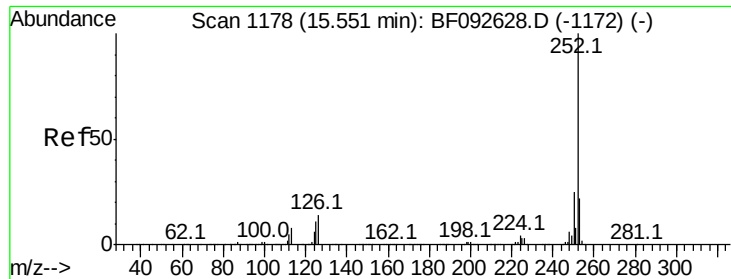
mohammad
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#87
Benzo(b)fluoranthene
Concen: 4.21 ng m
RT: 15.13 min Scan# 1141
Delta R.T. -0.06 min
Lab File: BF092745.D
Acq: 2 Feb 2017 19:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.4
125	16.8	9.8	14.6#





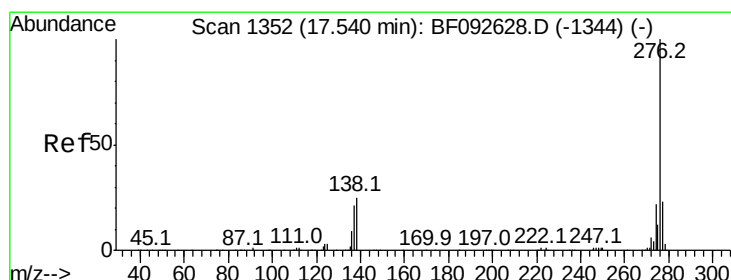
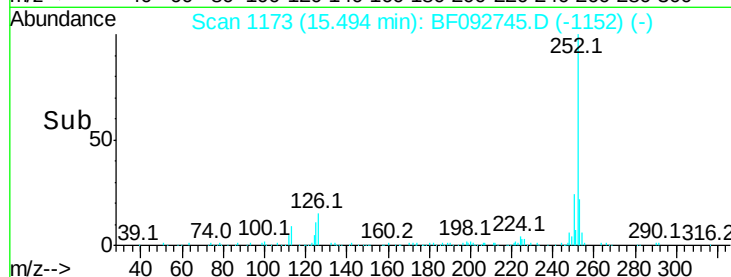
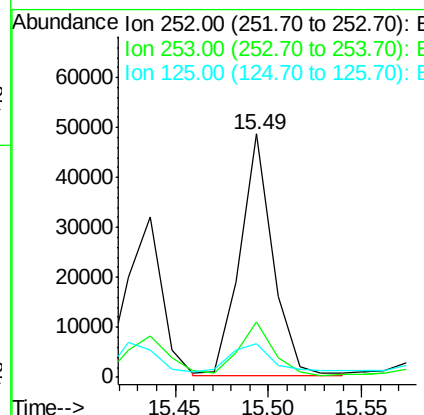
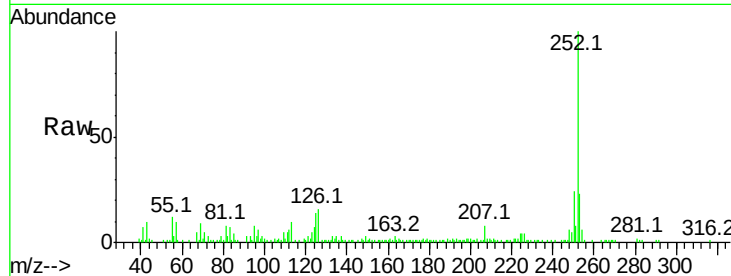
#89
Benzo(a)pyrene
Concen: 3.16 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.06 min
Lab File: BF092745.D
Acq: 2 Feb 2017 19:53

Instrument :
BNA_F
ClientSampleId :
SP-COMP-2A-0-2FT

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	13.9	10.0	15.0

Manual Integrations
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2/3/2017 1:22:34 PM



#91
Benzo(g,h,i)perylene
Concen: 2.52 ng
RT: 17.45 min Scan# 1344
Delta R.T. -0.09 min
Lab File: BF092745.D
Acq: 2 Feb 2017 19:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.6	19.2	28.8
138	27.8	16.0	24.0

