

Data Path : S:\HPCHEM1\BNA_F\DATA\BF031016\
 Data File : BF085341.D
 Acq On : 10 Mar 2016 19:01
 Operator : UM/SJ
 Sample : H1753-20
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP2

Manual Integrations
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 3/11/2016 4:58:26 PM

Quant Time: Mar 11 10:01:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 11 00:01:03 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	157534	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	485573	20.00	ng	-0.01
38) Acenaphthene-d10	9.98	164	229617	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	419646	20.00	ng	0.00
75) Chrysene-d12	14.11	240	280891	20.00	ng	0.00
86) Perylene-d12	15.57	264	253234	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1030555	109.73	ng	0.01
7) Phenol-d6	6.56	99	1548226	125.83	ng	0.00
23) Nitrobenzene-d5	7.50	82	671644	74.02	ng	-0.01
41) 2,4,6-Tribromophenol	10.77	330	262451	133.58	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	1323831	87.68	ng	0.00
78) Terphenyl-d14	13.05	244	990540	81.86	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.24	128	65267	2.73	ng	97
49) Dimethylphthalate	9.69	163	204846	11.62	ng	99
51) Acenaphthene	10.01	154	35235	2.49	ng	97
54) Dibenzofuran	10.18	168	37145	2.01	ng	91
57) Fluorene	10.53	166	37820	2.60	ng	99
70) Phenanthrene	11.49	178	435424	19.80	ng	97
71) Anthracene	11.53	178	112848	4.83	ng	98
72) Carbazole	11.69	167	43758	2.14	ng	100
74) Fluoranthene	12.68	202	388023	17.58	ng	99
77) Pyrene	12.91	202	332721	15.74	ng	98
80) Benzo(a)anthracene	14.09	228	150235m	8.93	ng	
82) Chrysene	14.13	228	130018m	8.37	ng	
85) Indeno(1,2,3-cd)pyrene	17.02	276	68264	5.63	ng	# 90
87) Benzo(b)fluoranthene	15.15	252	169668m	10.05	ng	
88) Benzo(k)fluoranthene	15.16	252	47162m	3.46	ng	
89) Benzo(a)pyrene	15.50	252	120213	8.59	ng	# 91
91) Benzo(g,h,i)perylene	17.45	276	62676	5.22	ng	100

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

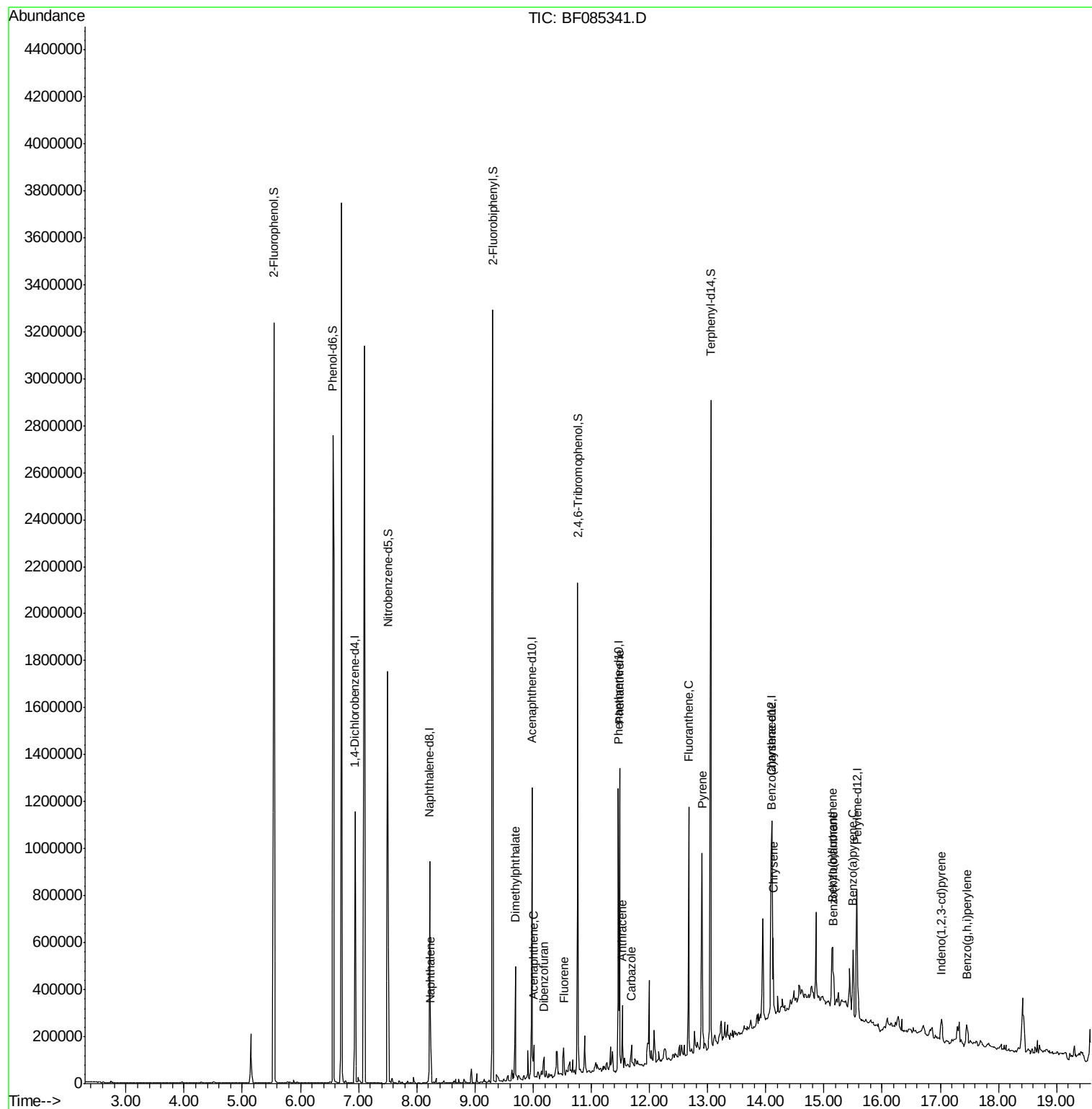
Data Path : S:\HPCHEM1\BNA_F\DATA\BF031016\
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ALS Vial : 14 Sample Multiplier: 1

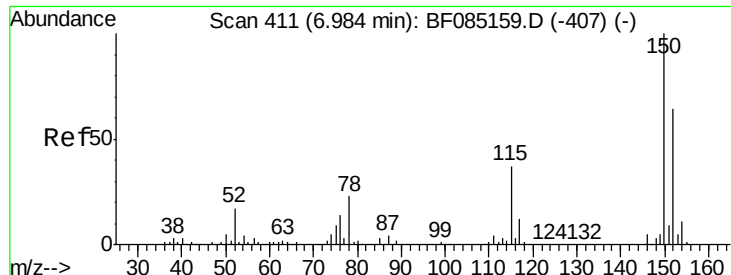
Instrument :
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#1

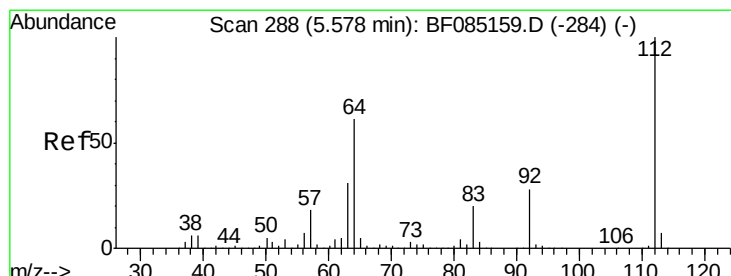
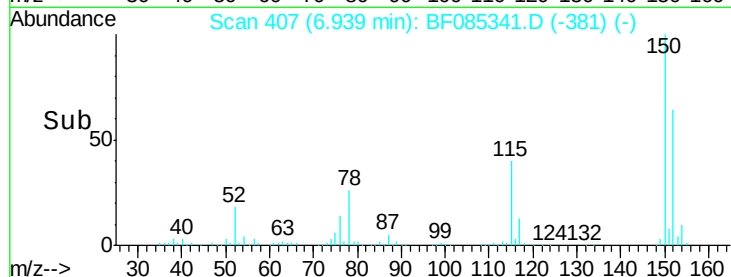
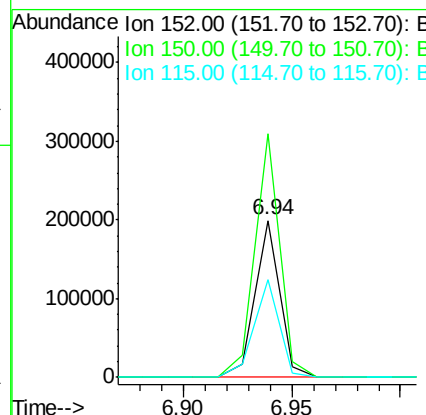
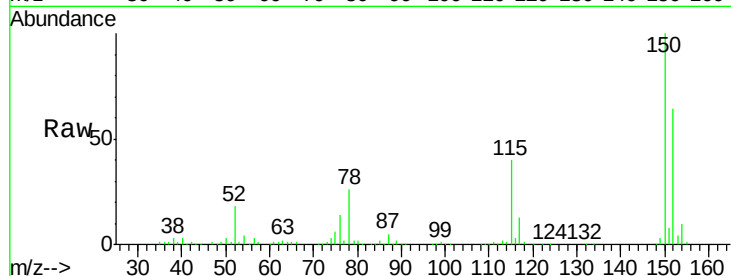
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF085341.D
Acq: 10 Mar 2016 19:01

Instrument :
BNA_F
ClientSampleId :
TEC-COMP2

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	157534		
150	155.4	124.6	186.8	
115	62.1	46.6	70.0	

Manual Integrations
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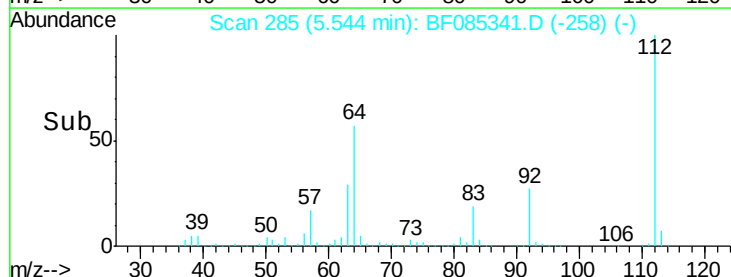
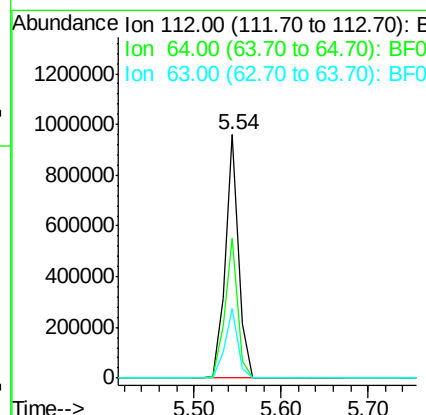
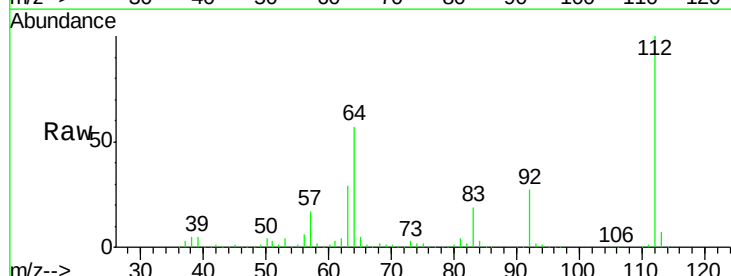
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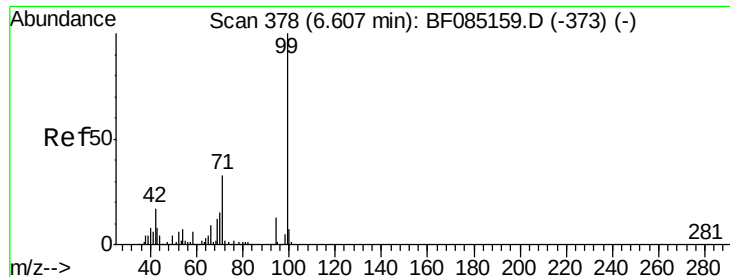


#5

2-Fluorophenol
Concen: 109.73 ng
RT: 5.54 min Scan# 285
Delta R.T. 0.01 min
Lab File: BF085341.D
Acq: 10 Mar 2016 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1030555		
64	57.4	49.0	73.4	
63	28.8	24.8	37.2	





#7

Phenol-d6

Concen: 125.83 ng

RT: 6.56 min Scan# 374

Delta R.T. 0.00 min

Lab File: BF085341.D

Acq: 10 Mar 2016 19:01

Instrument :

BNA_F

ClientSampleId :

TEC-COMP2

Tgt Ion: 99 Resp: 1548226

Ion Ratio Lower Upper

99 100

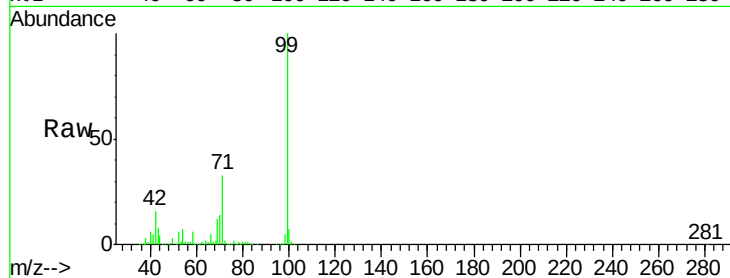
42 16.2 13.6 20.4

71 33.3 26.7 40.1

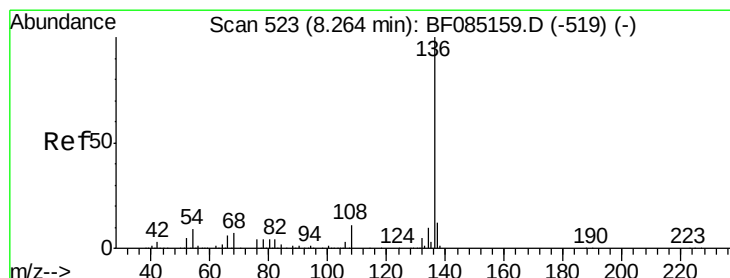
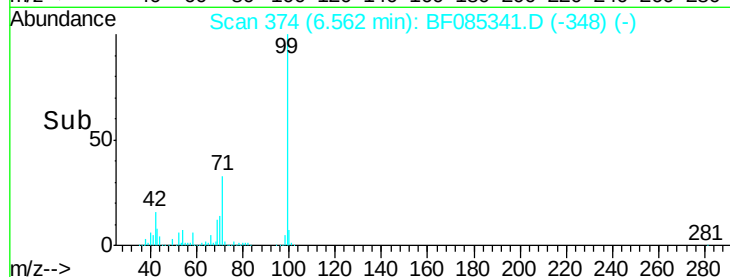
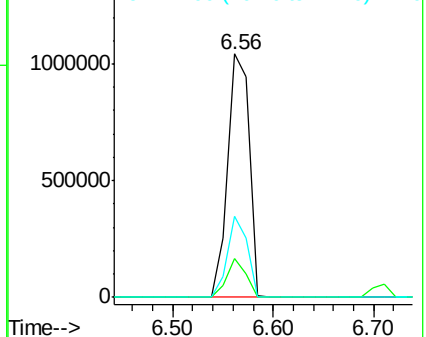
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.22 min Scan# 519

Delta R.T. -0.01 min

Lab File: BF085341.D

Acq: 10 Mar 2016 19:01

Tgt Ion: 136 Resp: 485573

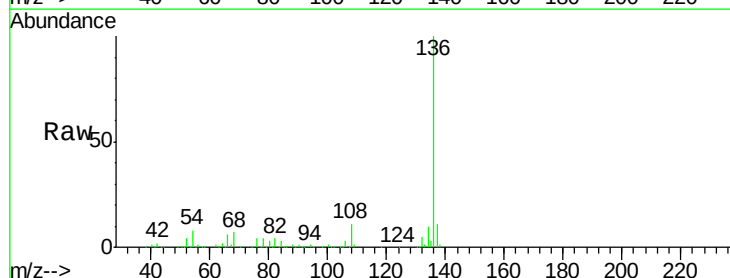
Ion Ratio Lower Upper

136 100

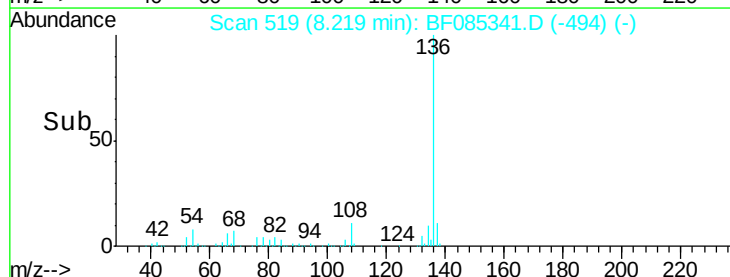
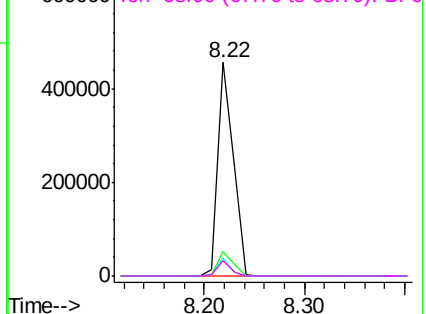
137 11.2 9.3 13.9

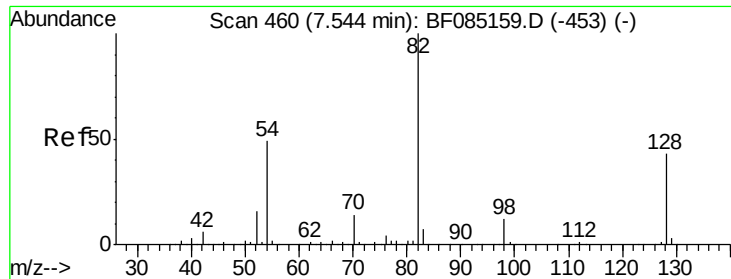
54 8.3 7.4 11.2

68 7.0 6.0 9.0



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





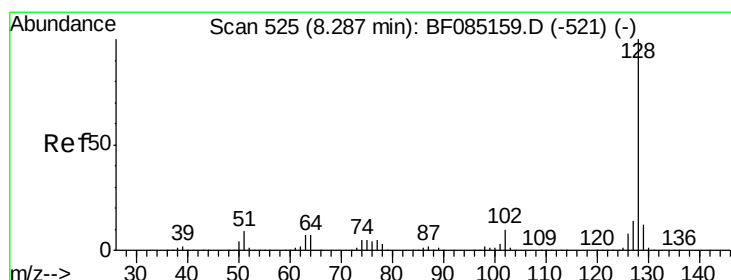
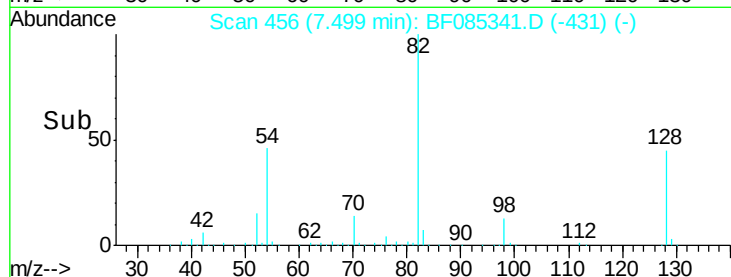
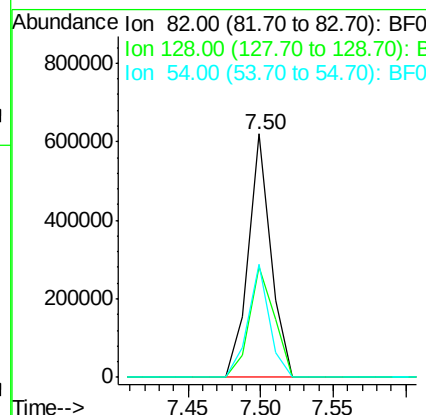
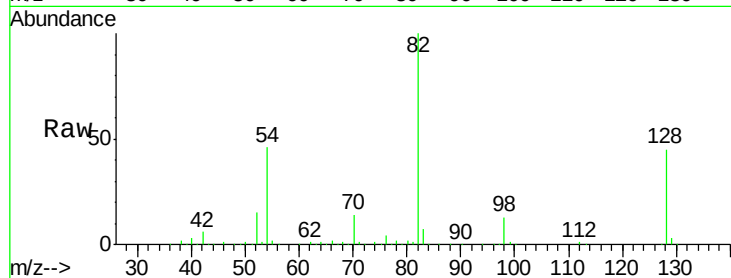
#23
 Nitrobenzene-d5
 Concen: 74.02 ng
 RT: 7.50 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: BF085341.D
 Acq: 10 Mar 2016 19:01

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP2

Tgt Ion:	82	Resp:	671644
Ion Ratio	Lower	Upper	
82	100		
128	45.2	34.5	51.7
54	46.3	39.3	58.9

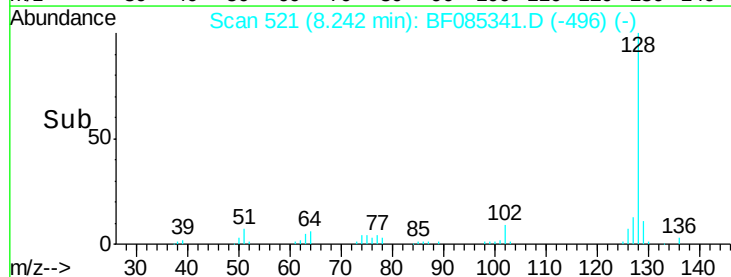
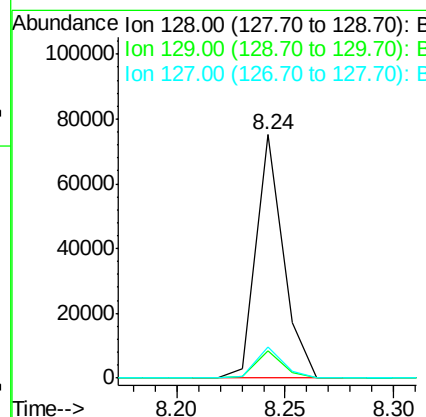
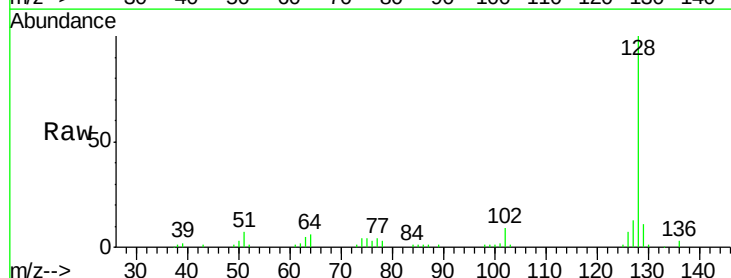
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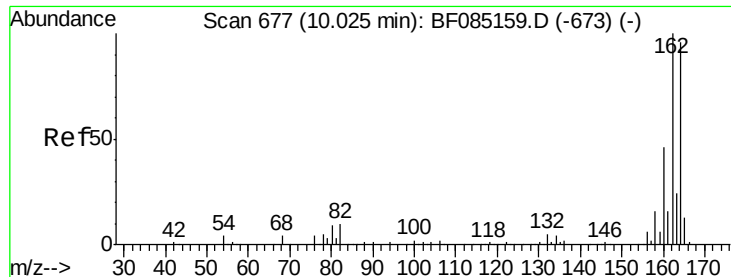
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#31
 Naphthalene
 Concen: 2.73 ng
 RT: 8.24 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: BF085341.D
 Acq: 10 Mar 2016 19:01

Tgt Ion:	128	Resp:	65267
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.7	14.5
127	13.0	11.2	16.8





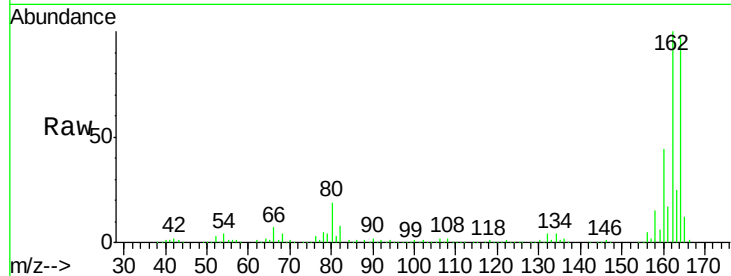
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.98 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: BF085341.D
 Acq: 10 Mar 2016 19:01

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP2

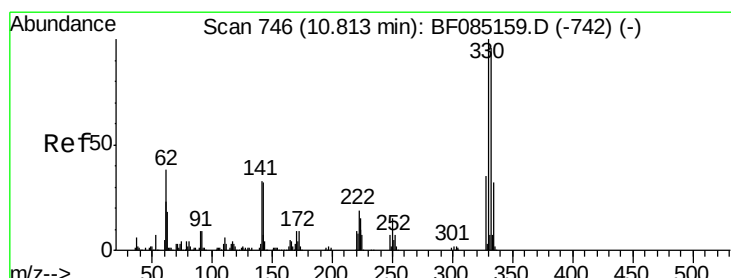
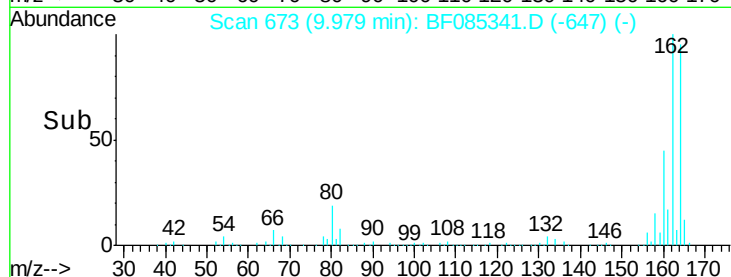
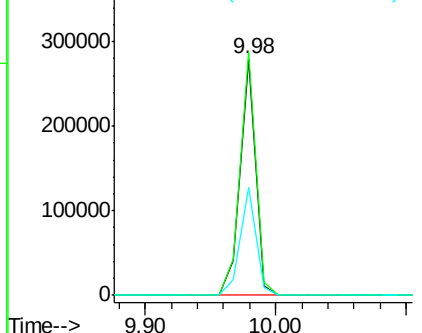
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	229617		
162	103.2	83.3	124.9	
160	45.9	37.9	56.9	

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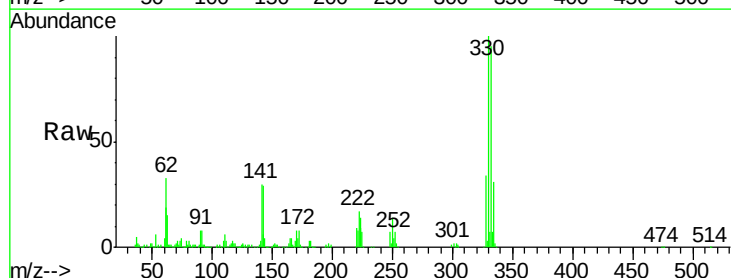


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

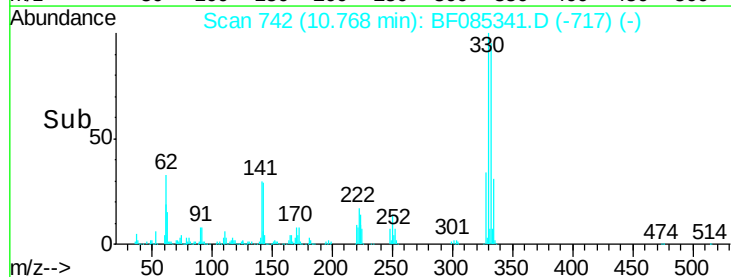
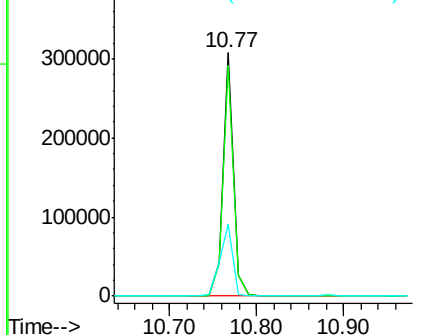


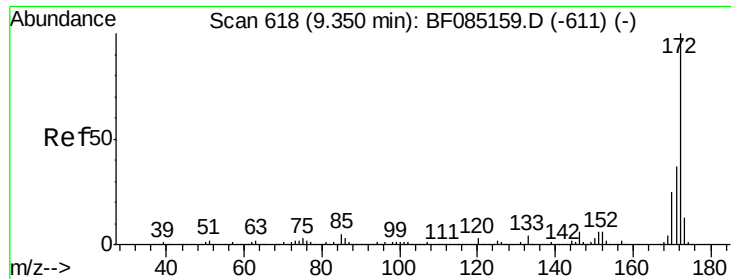
#41
 2,4,6-Tribromophenol
 Concen: 133.58 ng
 RT: 10.77 min Scan# 742
 Delta R.T. -0.01 min
 Lab File: BF085341.D
 Acq: 10 Mar 2016 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	262451		
332	95.1	77.1	115.7	
141	36.6	35.0	52.6	



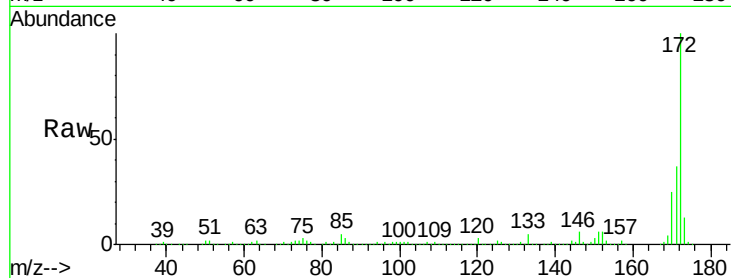
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





#44
2-Fluorobiphenyl
Concen: 87.68 ng
RT: 9.30 min Scan# 614
Delta R.T. 0.00 min
Lab File: BF085341.D
Acq: 10 Mar 2016 19:01

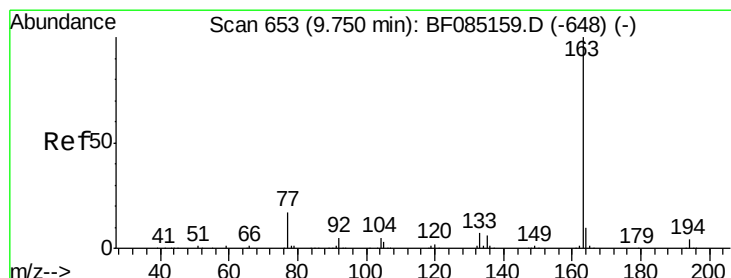
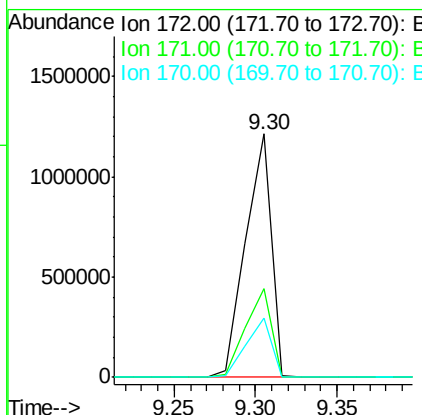
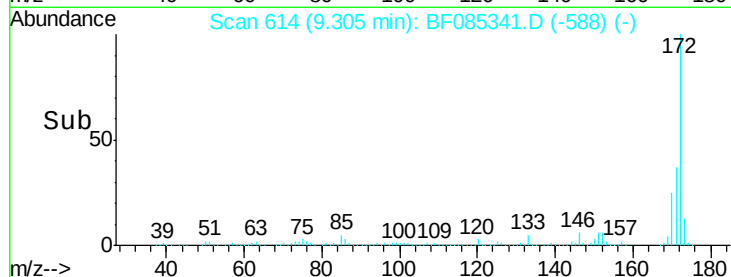
Instrument :
BNA_F
ClientSampleId :
TEC-COMP2



Tgt Ion:172 Resp: 1323831
Ion Ratio Lower Upper
172 100
171 36.6 29.3 43.9
170 24.5 20.0 30.0

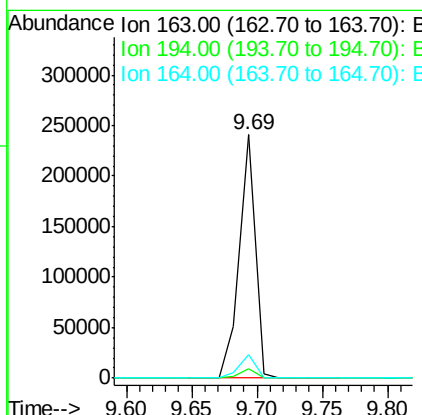
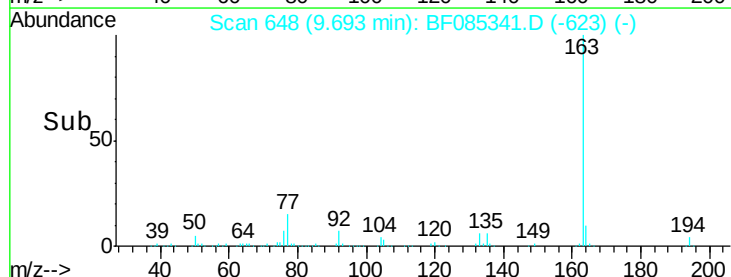
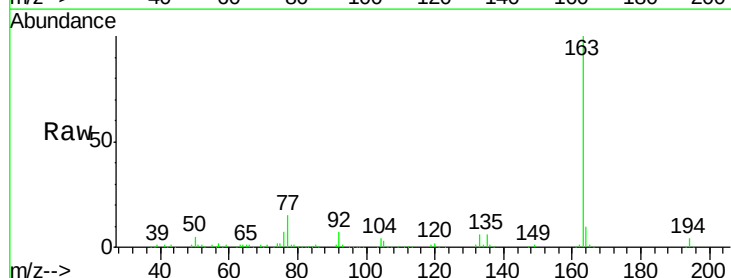
Manual Integrations
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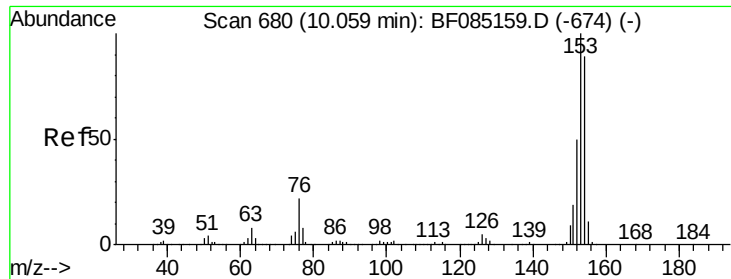
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#49
Dimethylphthalate
Concen: 11.62 ng
RT: 9.69 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF085341.D
Acq: 10 Mar 2016 19:01

Tgt Ion:163 Resp: 204846
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 9.6 8.2 12.4





#51

Acenaphthene

Concen: 2.49 ng

RT: 10.01 min Scan# 676

Delta R.T. 0.00 min

Lab File: BF085341.D

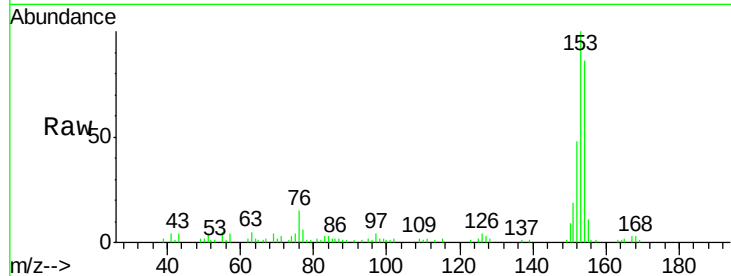
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Instrument :

BNA_F

ClientSampleId :

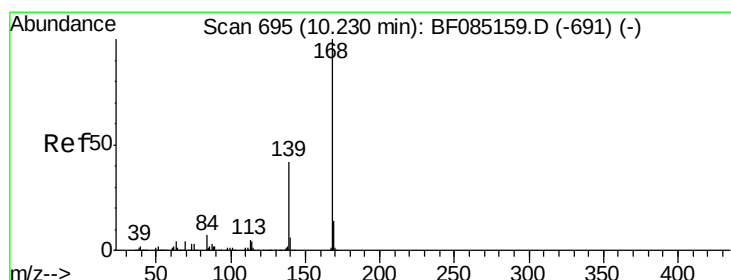
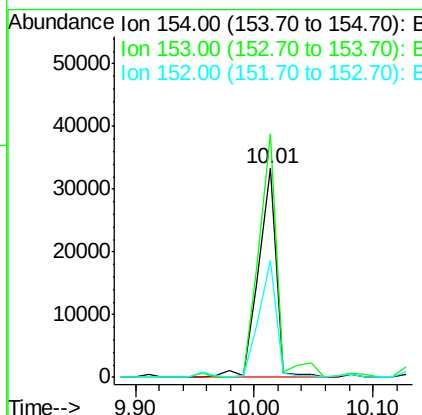
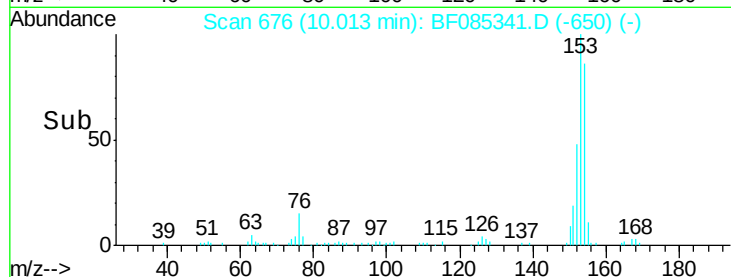
TEC-COMP2



Tgt Ion:	154	Resp:	35235
Ion Ratio	Lower	Upper	
154	100		
153	116.5	89.8	134.8
152	56.2	44.6	66.8

Manual Integrations
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#54

Dibenzofuran

Concen: 2.01 ng

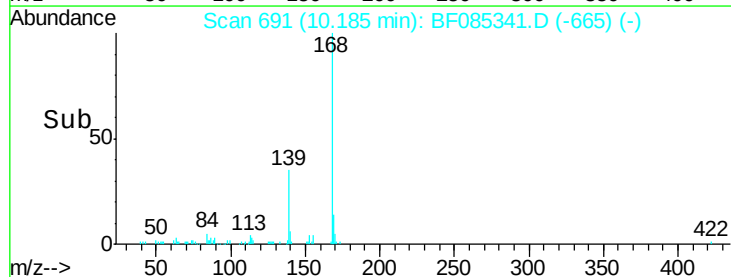
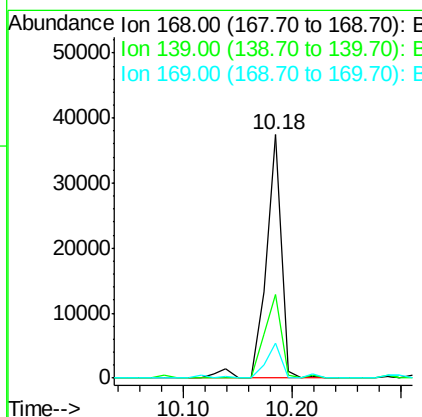
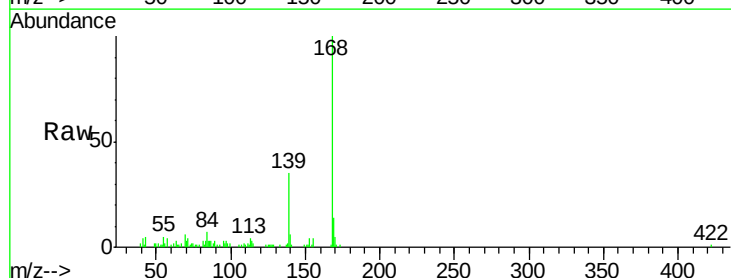
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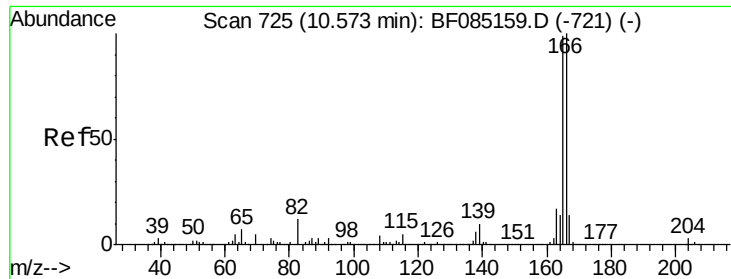
Delta R.T. 0.00 min

Lab File: BF085341.D

Acq: 10 Mar 2016 19:01

Tgt Ion:	168	Resp:	37145
Ion Ratio	Lower	Upper	
168	100		
139	34.6	33.6	50.4
169	14.2	11.2	16.8





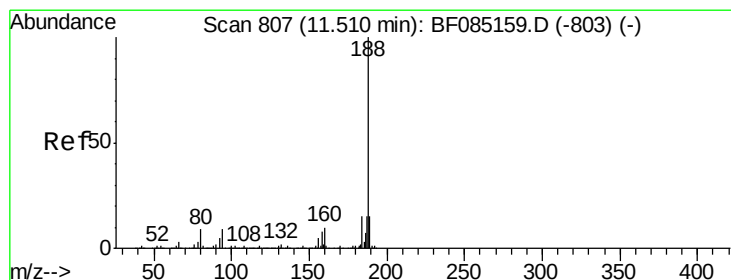
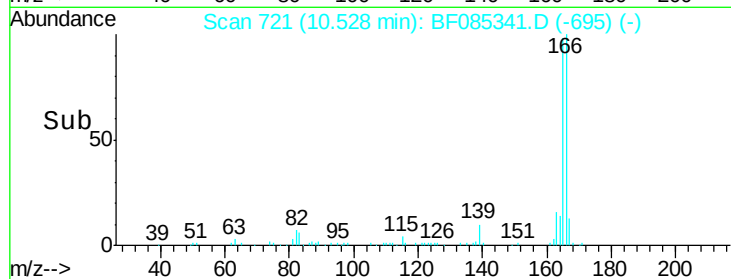
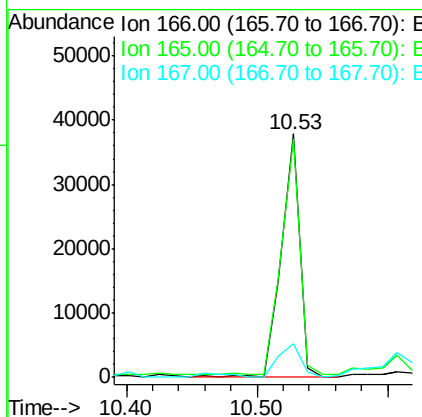
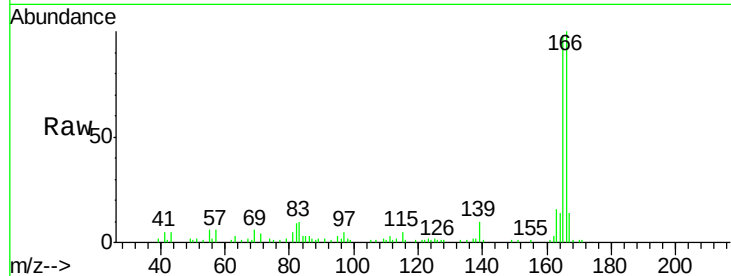
#57
 Fluorene
 Concen: 2.60 ng
 RT: 10.53 min Scan# 721
 Delta R.T. 0.00 min
 Lab File: BF085341.D
 Acq: 10 Mar 2016 19:01

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP2

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.4	119.0
167	14.0	11.0	16.6

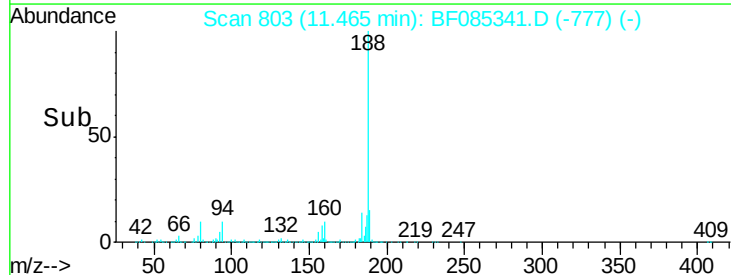
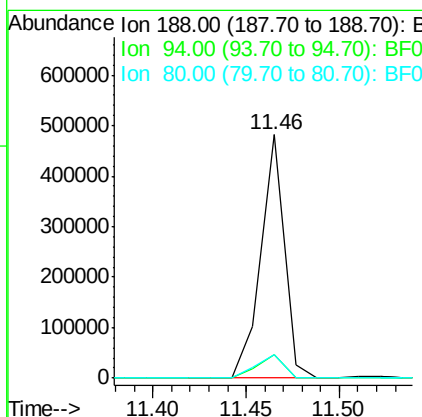
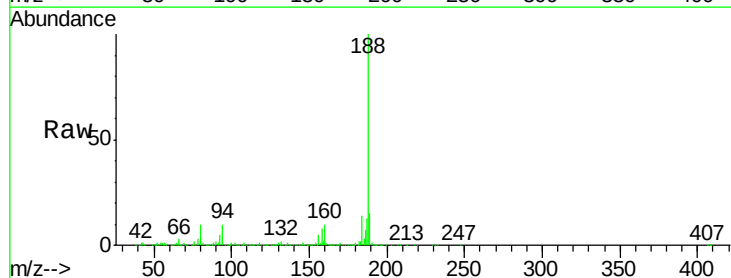
Manual Integrations
 APPROVED

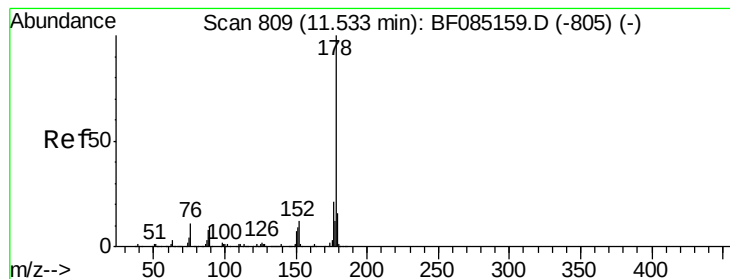
Sohil
 3/11/2016 4:58:26 PM



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.46 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: BF085341.D
 Acq: 10 Mar 2016 19:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.0	10.6
80	9.9	7.4	11.0





#70

Phenanthrene

Concen: 19.80 ng

RT: 11.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF085341.D

Acq: 10 Mar 2016 19:01

Instrument :

BNA_F

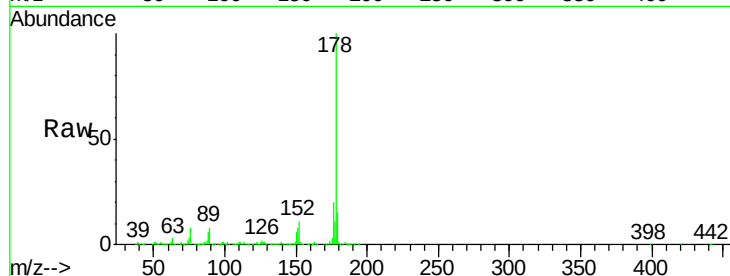
ClientSampleId :

TEC-COMP2

Tgt Ion:	178	Resp:	435424
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.8	25.2
179	15.4	13.1	19.7

Manual Integrations
APPROVED

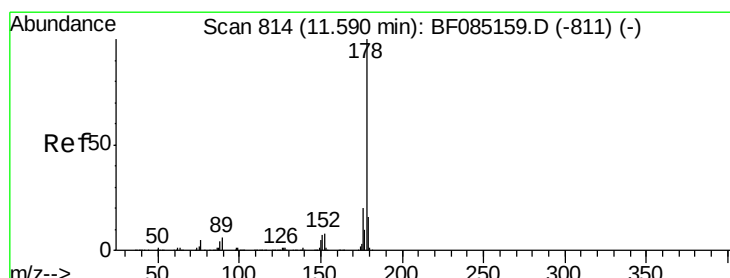
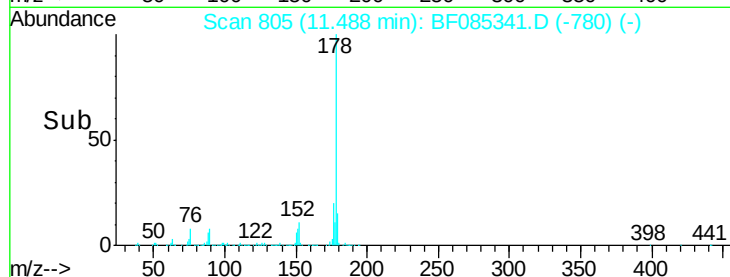
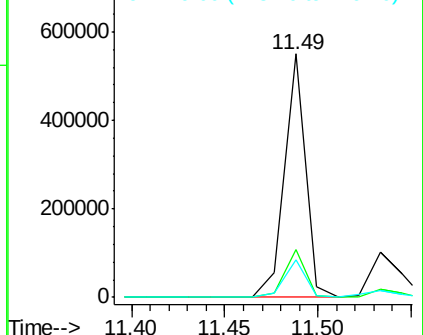
Sohil
3/11/2016 4:58:26 PM



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



#71

Anthracene

Concen: 4.83 ng

RT: 11.53 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF085341.D

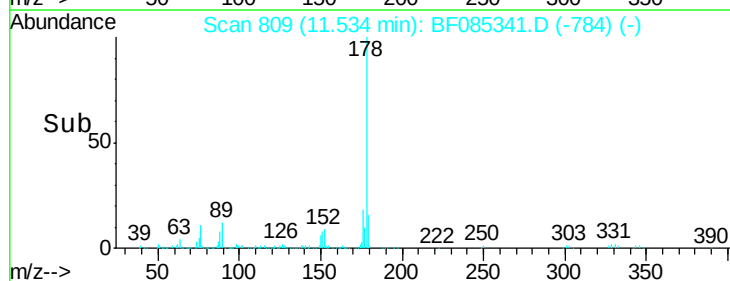
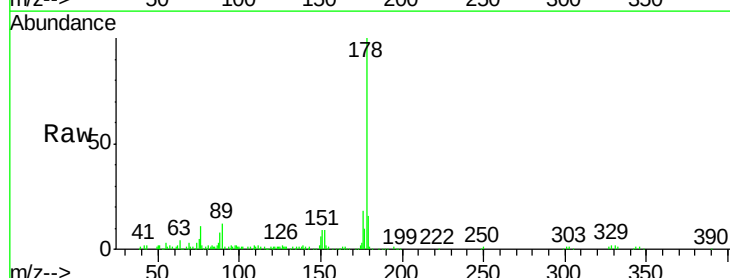
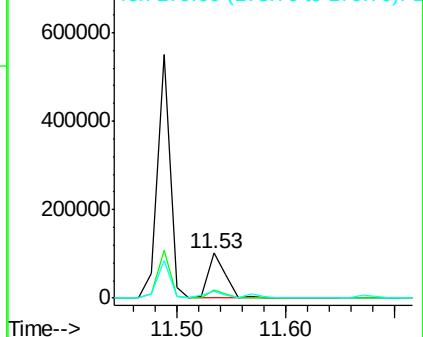
Acq: 10 Mar 2016 19:01

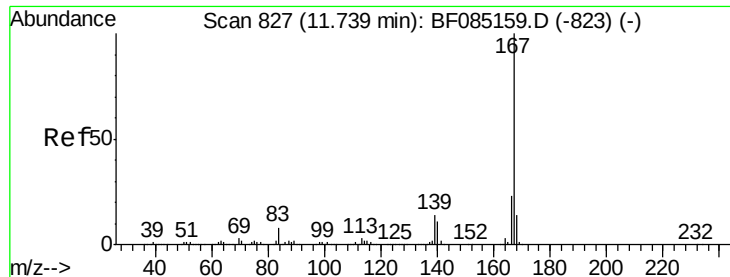
Tgt Ion:	178	Resp:	112848
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.9	23.9
179	16.2	12.5	18.7

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





#72

Carbazole

Concen: 2.14 ng

RT: 11.69 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF085341.D

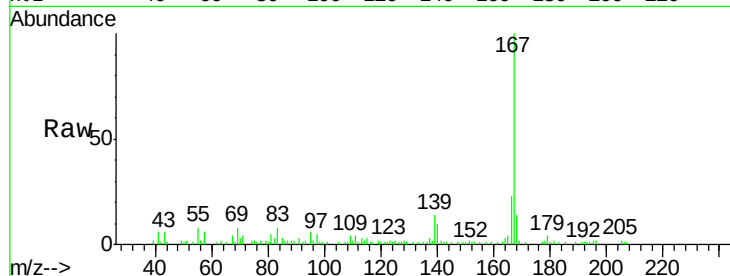
Acq: 10 Mar 2016 19:01

Instrument :

BNA_F

ClientSampleId :

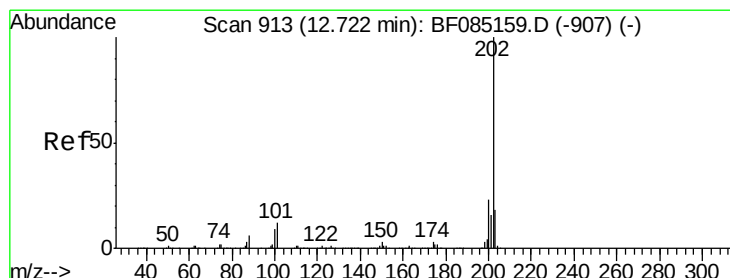
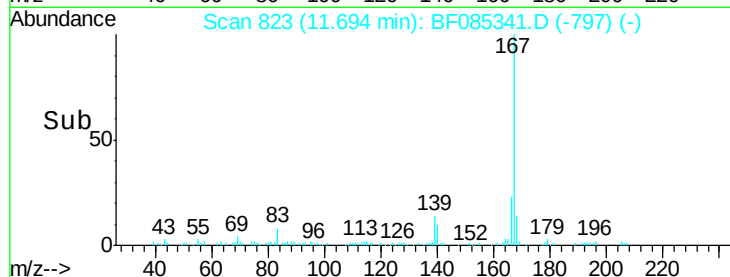
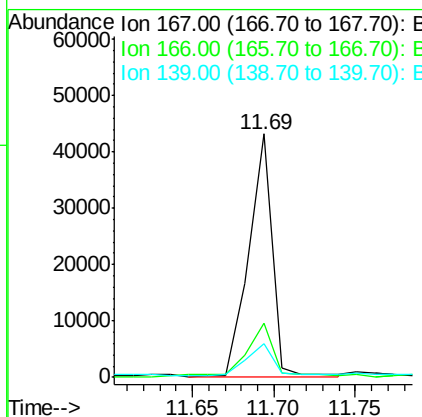
TEC-COMP2



Tgt Ion:	167	Resp:	43758
Ion Ratio	Lower	Upper	
167	100		
166	22.5	18.2	27.2
139	14.0	11.4	17.0

Manual Integrations
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#74

Fluoranthene

Concen: 17.58 ng

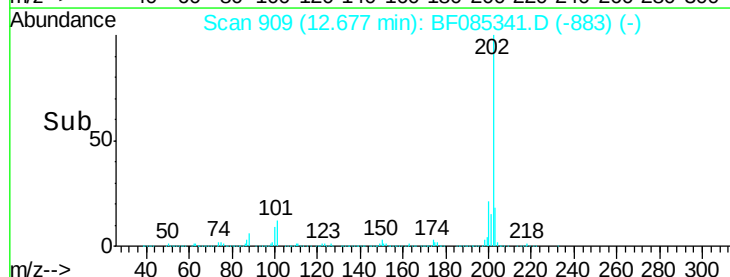
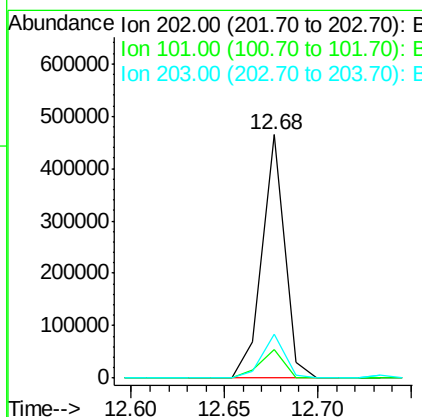
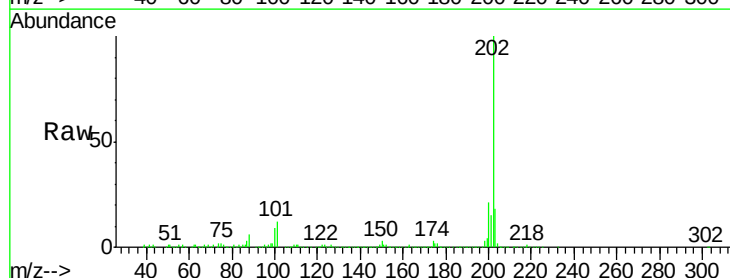
RT: 12.68 min Scan# 909

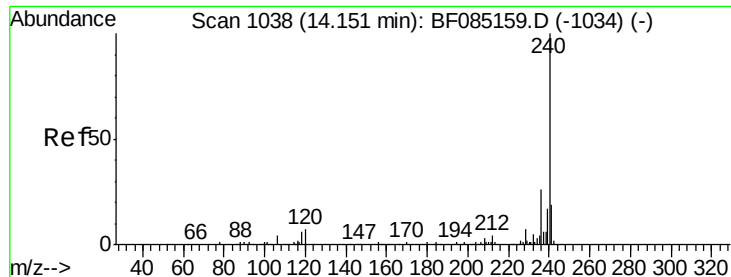
Delta R.T. 0.00 min

Lab File: BF085341.D

Acq: 10 Mar 2016 19:01

Tgt Ion:	202	Resp:	388023
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	31.8
203	17.8	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.11 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF085341.D

Acq: 10 Mar 2016 19:01

Instrument :

BNA_F

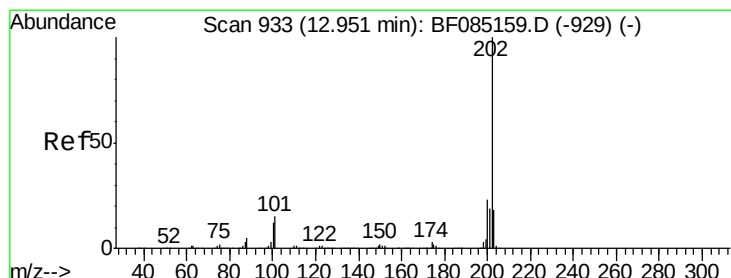
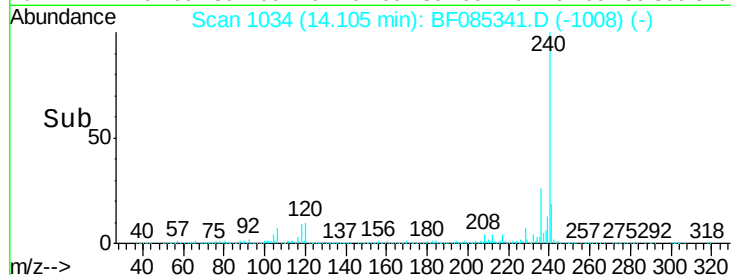
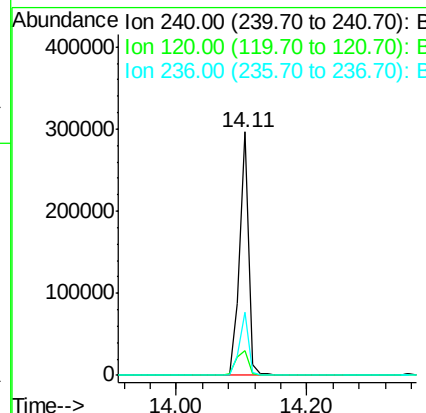
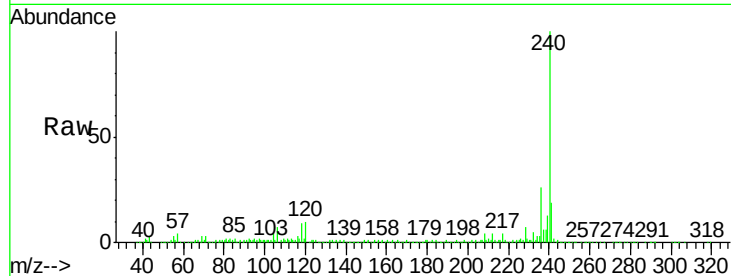
ClientSampleId :

TEC-COMP2

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	280891		
120	10.3	5.3	7.9#	
236	26.0	20.7	31.1	

Manual Integrations
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#77

Pyrene

Concen: 15.74 ng

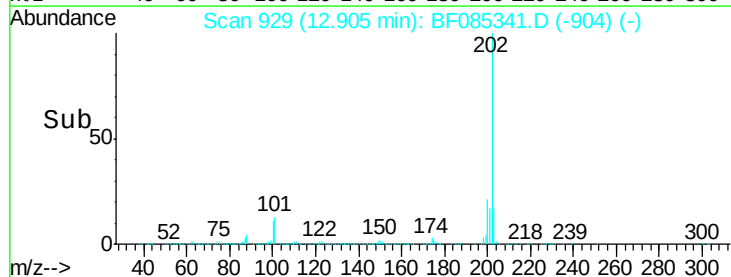
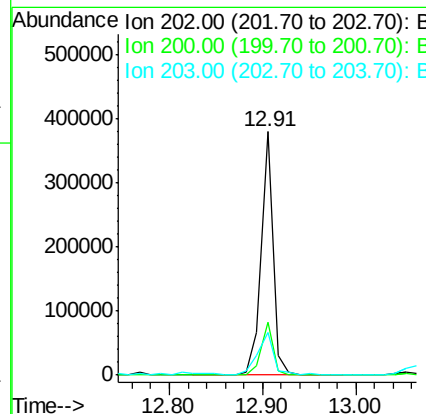
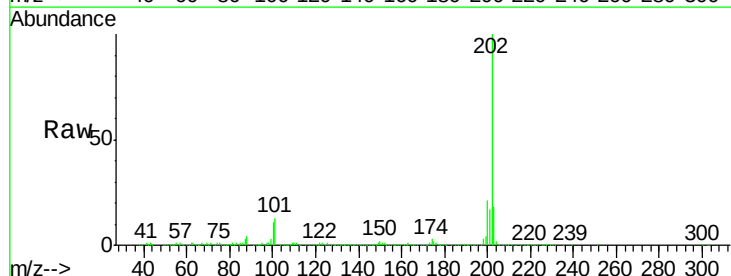
RT: 12.91 min Scan# 929

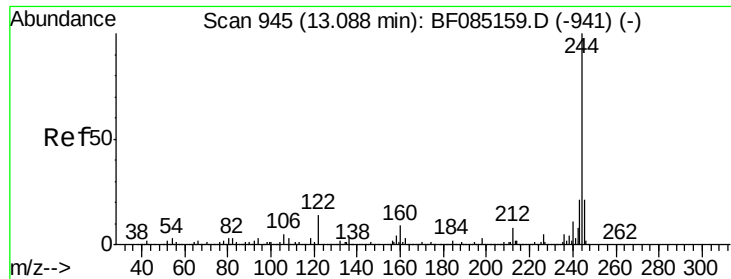
Delta R.T. -0.01 min

Lab File: BF085341.D

Acq: 10 Mar 2016 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	332721		
200	21.5	18.2	27.4	
203	17.8	14.7	22.1	





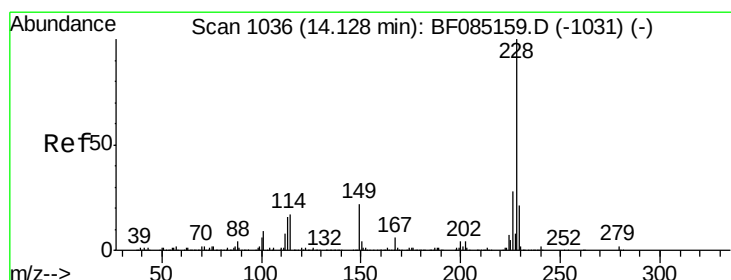
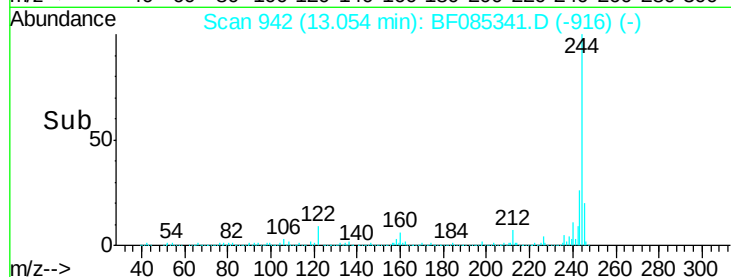
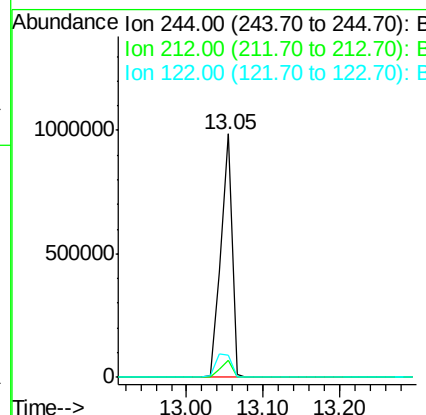
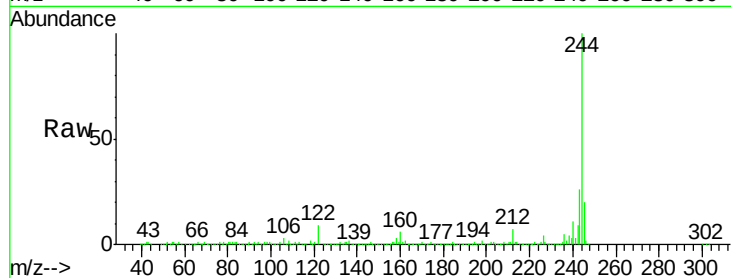
#78
 Terphenyl-d14
 Concen: 81.86 ng
 RT: 13.05 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BF085341.D
 Acq: 10 Mar 2016 19:01

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP2

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.8	6.4	9.6
122	9.0	11.4	17.2#

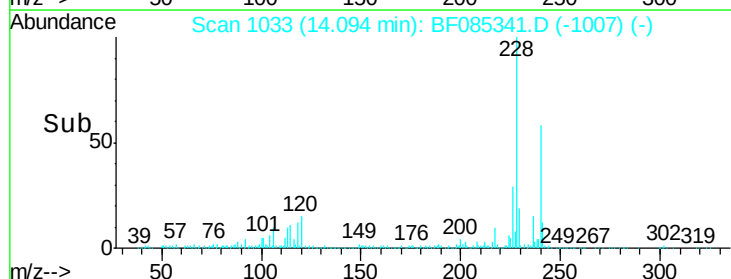
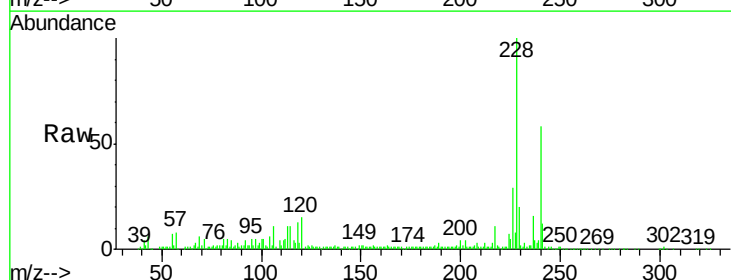
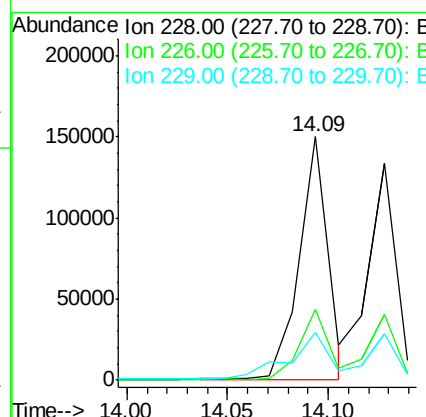
Manual Integrations
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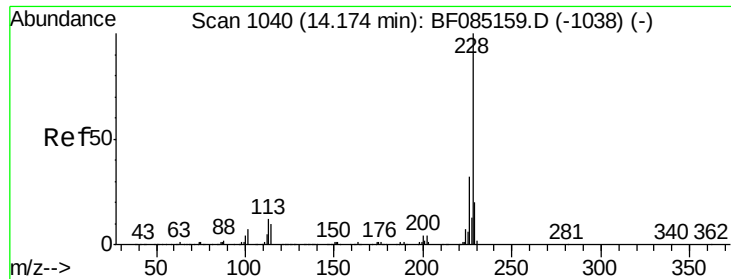
Sohil
 3/11/2016 4:58:26 PM



#80
 Benzo(a)anthracene
 Concen: 8.93 ng m
 RT: 14.09 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: BF085341.D
 Acq: 10 Mar 2016 19:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.0	22.8	34.2
229	19.9	16.6	24.8





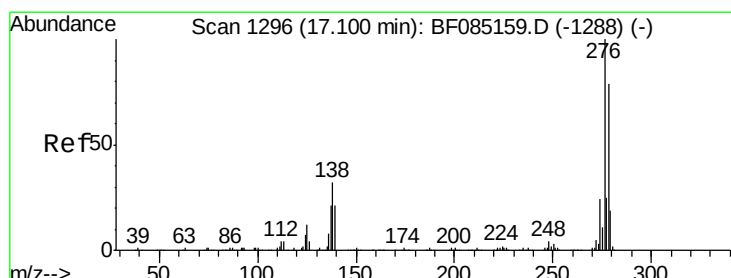
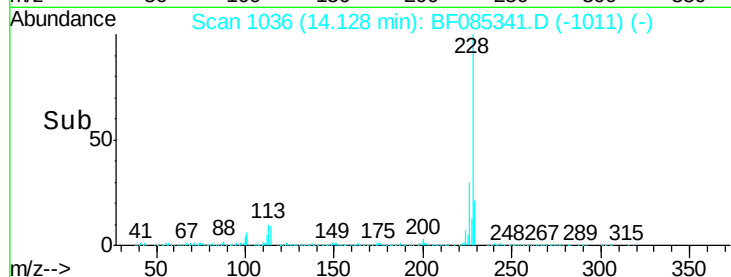
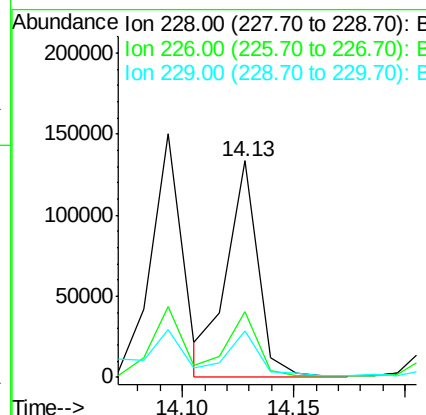
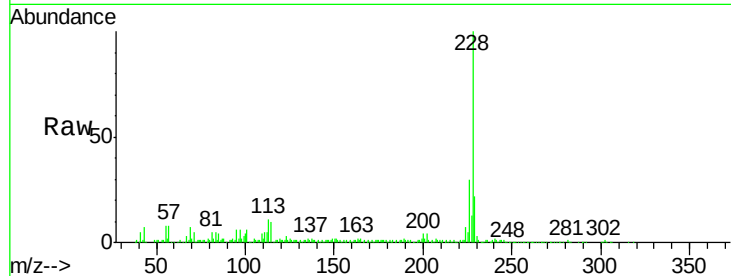
#82
Chrysene
Concen: 8.37 ng m
RT: 14.13 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF085341.D
Acq: 10 Mar 2016 19:01

Instrument :
BNA_F
ClientSampleId :
TEC-COMP2

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	130018		
226	30.3	25.2	37.8	
229	21.8	16.0	24.0	

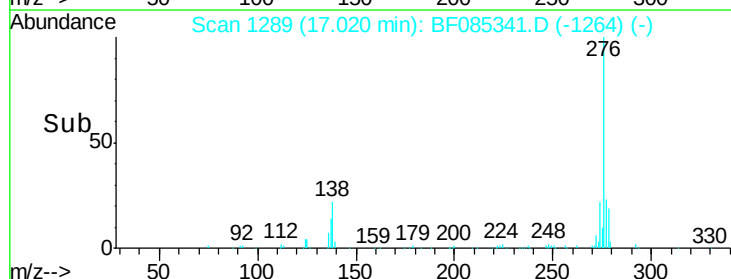
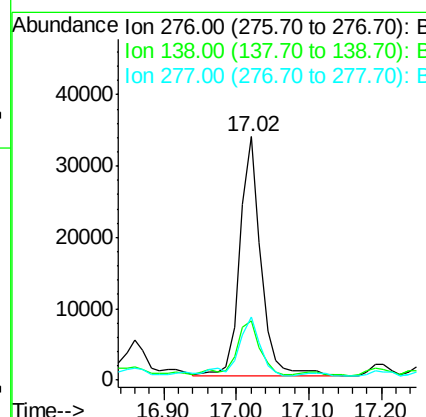
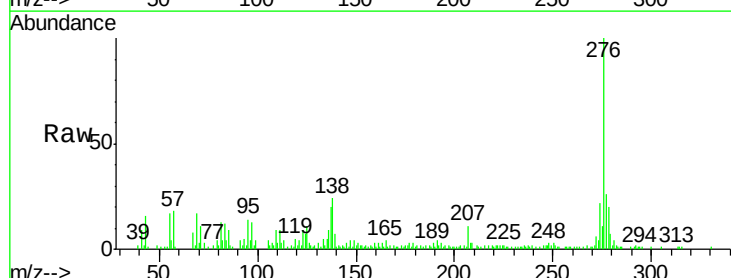
Manual Integrations
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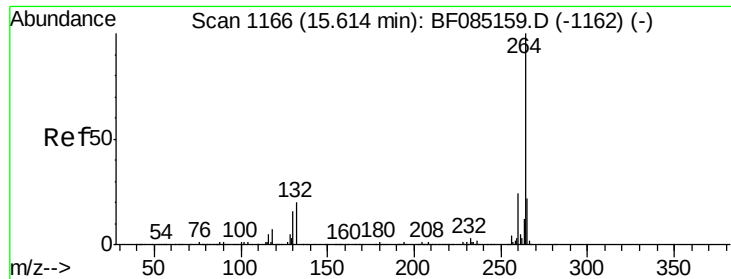
Sohil
3/11/2016 4:58:26 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 5.63 ng
RT: 17.02 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF085341.D
Acq: 10 Mar 2016 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	68264		
138	25.0	26.4	39.6#	
277	28.0	20.2	30.2	





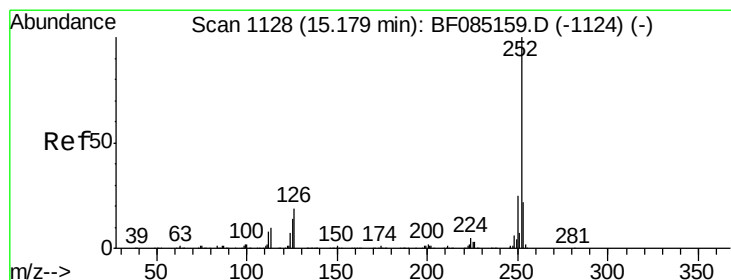
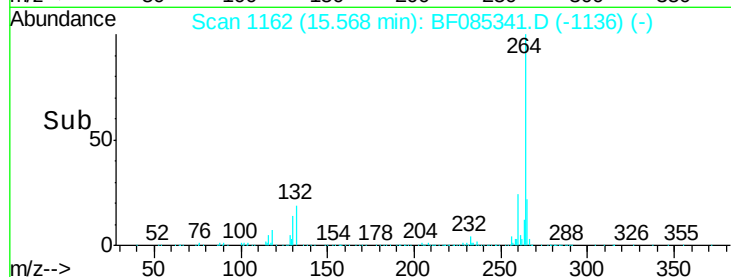
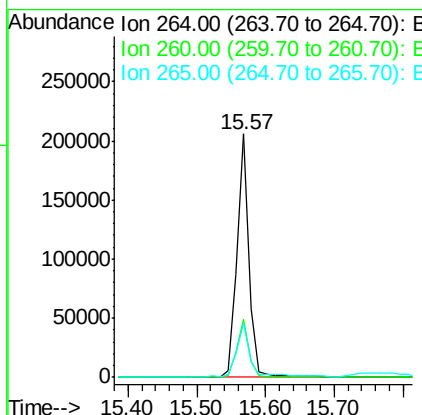
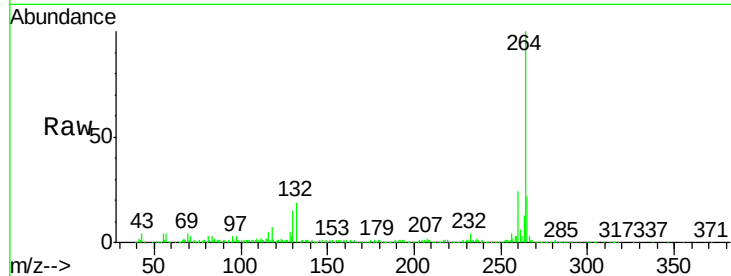
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BF085341.D
Acq: 10 Mar 2016 19:01

Instrument :
BNA_F
ClientSampled :
TEC-COMP2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.3	17.3	25.9

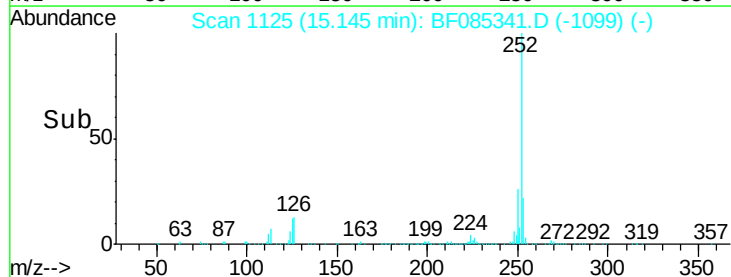
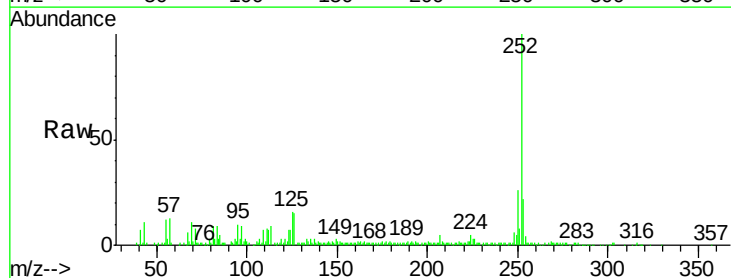
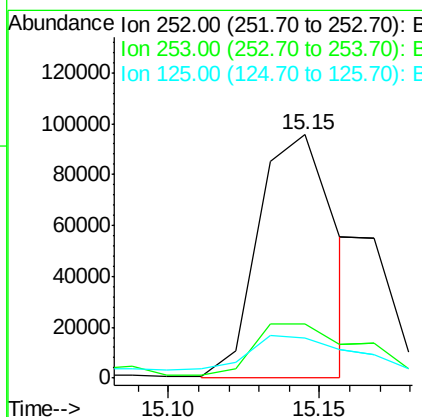
Manual Integrations
APPROVED

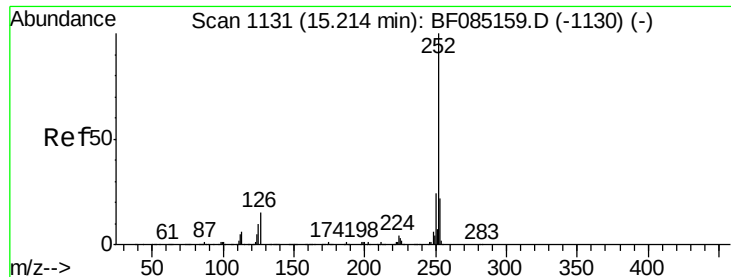
Sohil
3/11/2016 4:58:26 PM



#87
Benzo(b)fluoranthene
Concen: 10.05 ng m
RT: 15.15 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BF085341.D
Acq: 10 Mar 2016 19:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	16.3	11.3	16.9





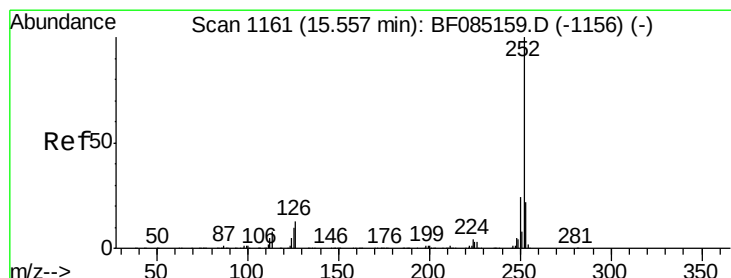
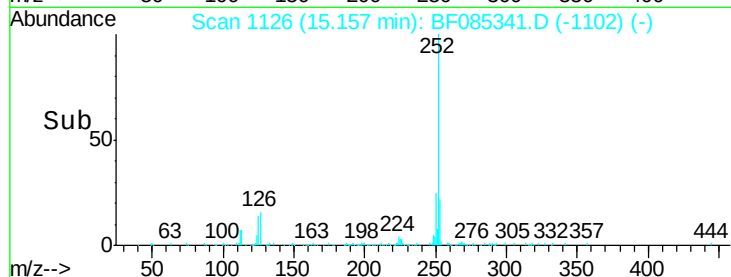
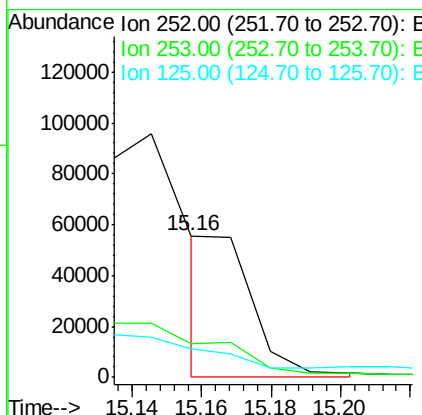
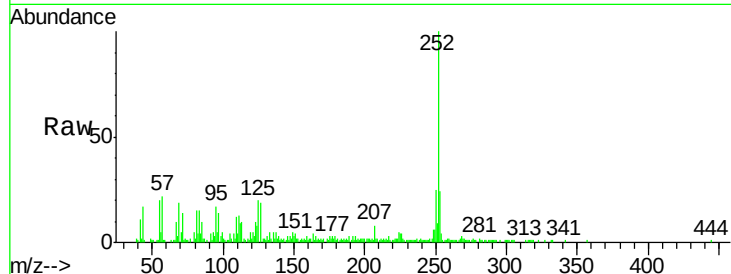
#88
Benzo(k)fluoranthene
Concen: 3.46 ng m
RT: 15.16 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BF085341.D
Acq: 10 Mar 2016 19:01

Instrument :
BNA_F
ClientSampleId :
TEC-COMP2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	20.1	10.4	15.6

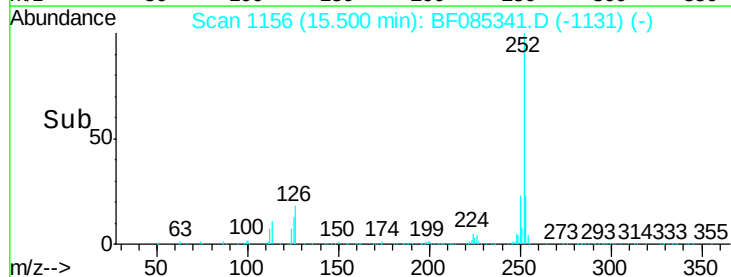
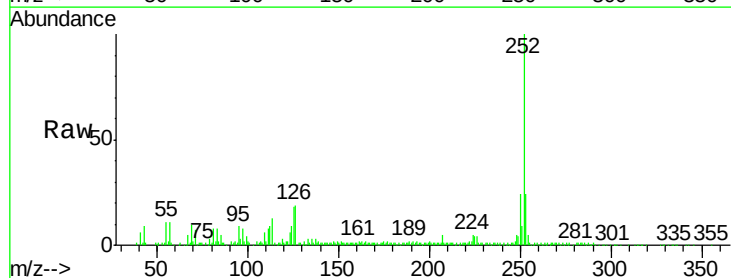
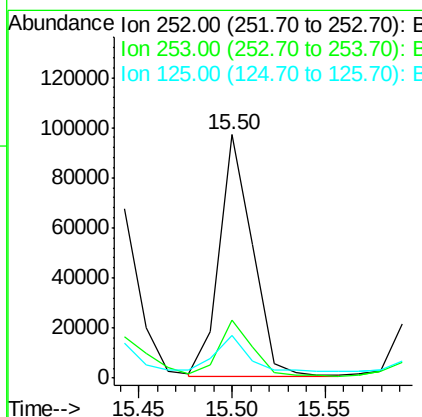
Manual Integrations
APPROVED

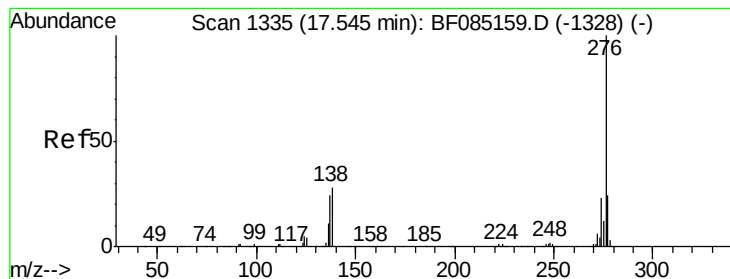
Sohil
3/11/2016 4:58:26 PM



#89
Benzo(a)pyrene
Concen: 8.59 ng
RT: 15.50 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF085341.D
Acq: 10 Mar 2016 19:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.0
125	17.5	8.2	12.4





#91

Benzo(g,h,i)perylene

Concen: 5.22 ng

RT: 17.45 min Scan# 1327

Delta R.T. -0.02 min

Lab File: BF085341.D

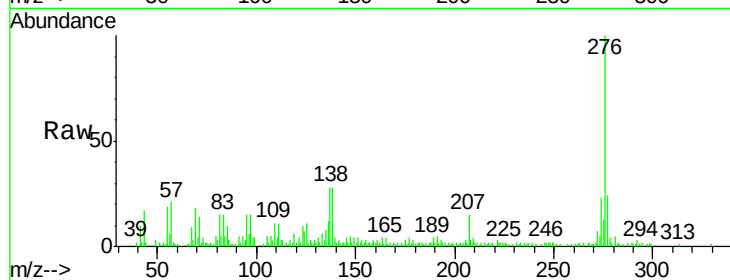
Acq: 10 Mar 2016 19:01

Instrument :

BNA_F

ClientSampleId :

TEC-COMP2



Tgt Ion: 276 Resp: 62676

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.4

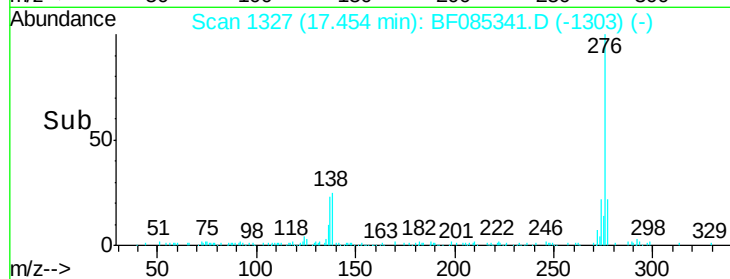
138 28.4 22.5 33.7

Manual Integrations

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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

