

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
 Data File : BF085532.D
 Acq On : 18 Mar 2016 12:01
 Operator : UM/SJ
 Sample : H1730-04RE
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-18-COMP(0.5-1.5)RE

Manual Integrations
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Sohil
 3/18/2016 3:44:44 PM

Quant Time: Mar 18 12:33:30 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	146052	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	498675	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	198485	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	330658	20.00	ng	-0.05
75) Chrysene-d12	14.04	240	288573	20.00	ng	-0.05
86) Perylene-d12	15.48	264	232593	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1254698	147.67	ng	-0.02
7) Phenol-d6	6.52	99	1592806	144.52	ng	-0.03
23) Nitrobenzene-d5	7.44	82	978713	116.04	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	217628	119.04	ng	-0.06
44) 2-Fluorobiphenyl	9.24	172	1195600	104.50	ng	-0.05
78) Terphenyl-d14	12.99	244	1003325	78.65	ng	-0.05
Target Compounds						Qvalue
48) Acenaphthylene	9.77	152	71881	3.66	ng	96
49) Dimethylphthalate	9.62	163	230524	15.92	ng	99
51) Acenaphthene	9.94	154	27085	2.19	ng	97
57) Fluorene	10.46	166	47710	3.94	ng	99
70) Phenanthrene	11.42	178	464771	26.99	ng	97
71) Anthracene	11.46	178	187627	10.70	ng	98
74) Fluoranthene	12.61	202	782017	48.30	ng	98
77) Pyrene	12.84	202	763138	35.26	ng	99
80) Benzo(a)anthracene	14.03	228	519174	31.38	ng	98
82) Chrysene	14.06	228	324820	21.83	ng	97
83) Bis(2-ethylhexyl)phthalate	14.01	149	34993	3.03	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.89	276	163410	11.58	ng	93
87) Benzo(b)fluoranthene	15.07	252	429122m	28.25	ng	
88) Benzo(k)fluoranthene	15.09	252	163764m	13.76	ng	
89) Benzo(a)pyrene	15.42	252	316701	24.13	ng	# 97
90) Dibenzo(a,h)anthracene	16.91	278	43392	3.38	ng	# 88
91) Benzo(g,h,i)perylene	17.33	276	152597	11.65	ng	97

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

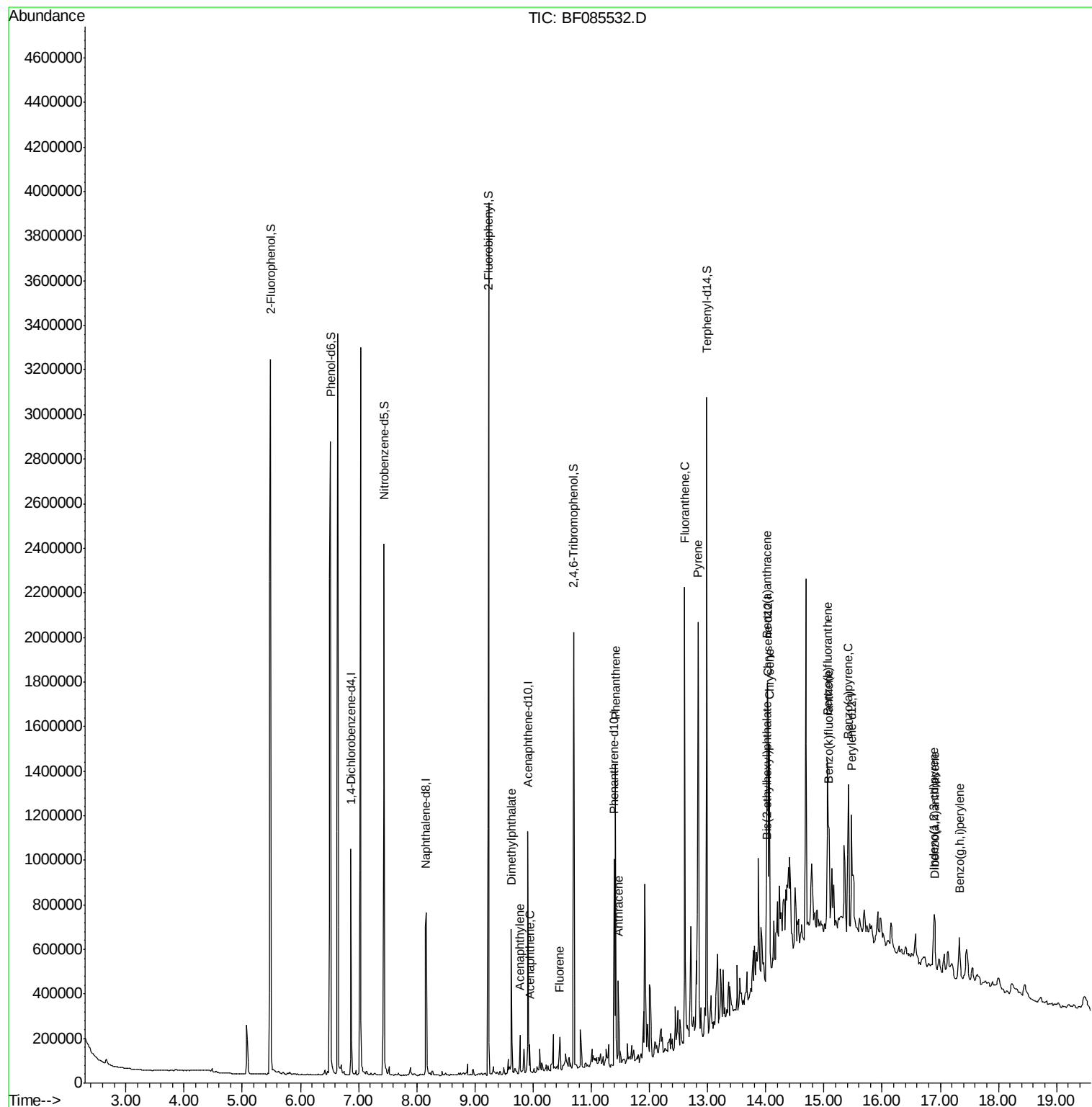
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
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ALS Vial : 29 Sample Multiplier: 1

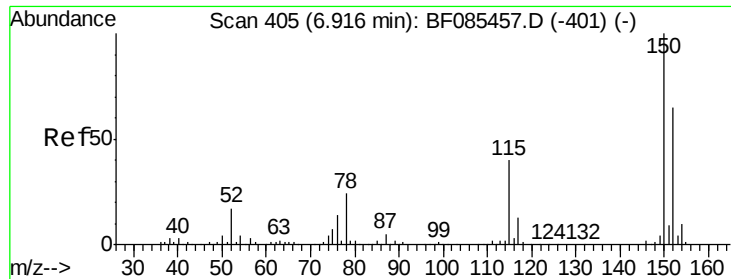
Instrument :
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W170TH-SB-18-COMP(0.5-1.5)RE

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#1

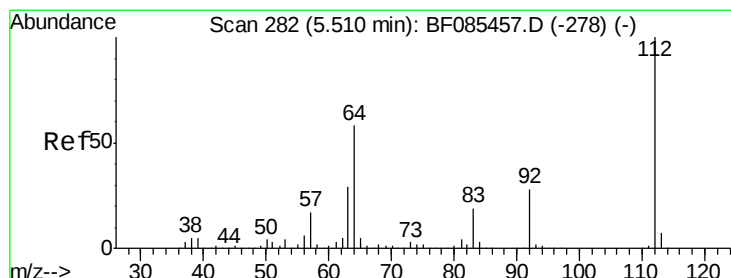
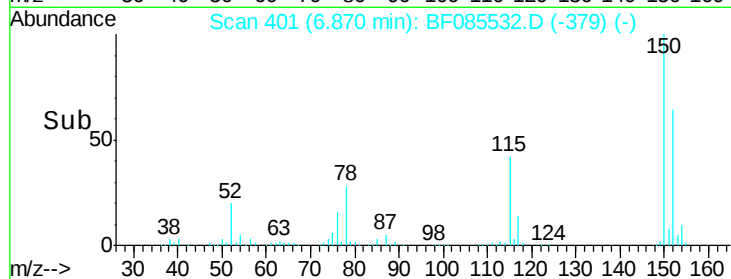
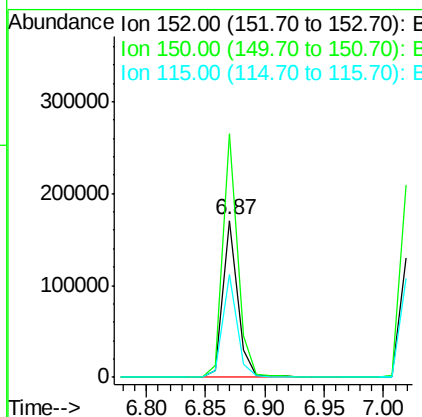
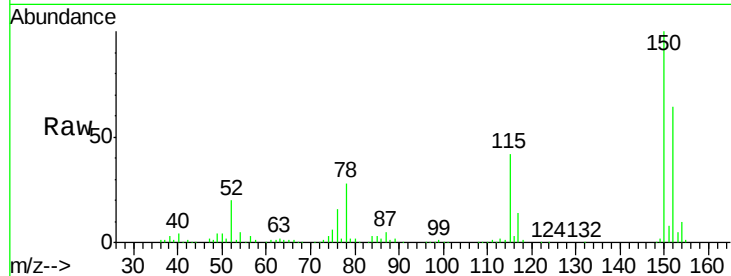
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 401
Delta R.T. -0.05 min
Lab File: BF085532.D
Acq: 18 Mar 2016 12:01

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-18-COMP(0.5-1.5)RE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	65.3	46.6	70.0

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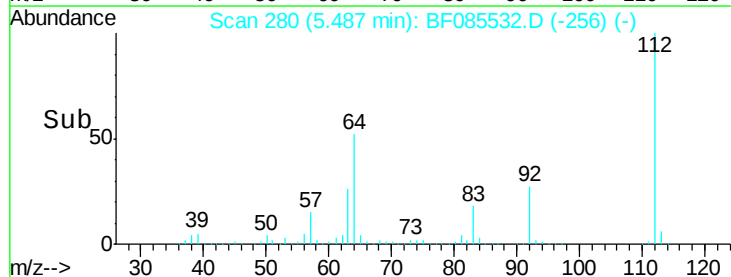
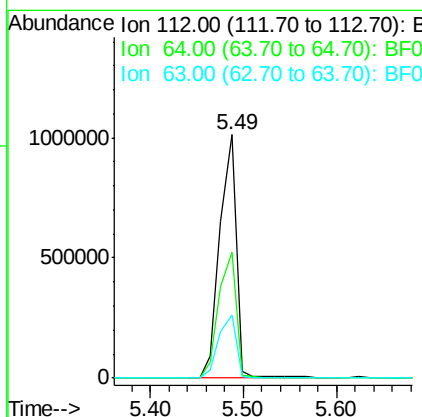
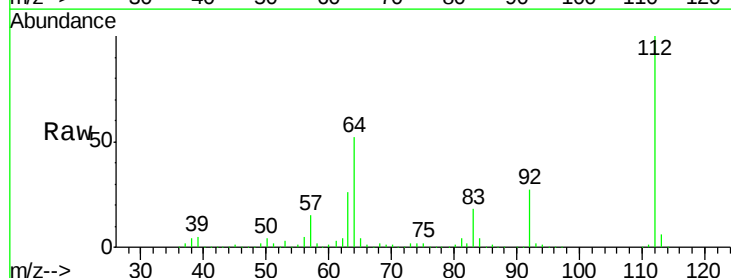
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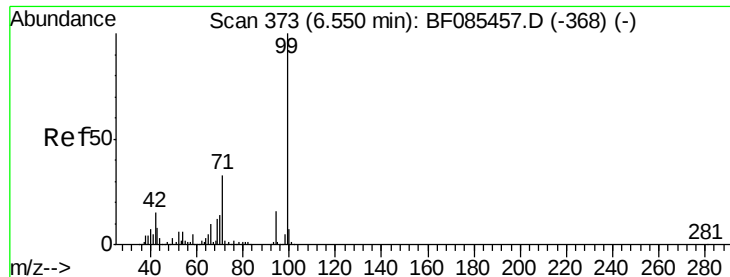


#5

2-Fluorophenol
Concen: 147.67 ng
RT: 5.49 min Scan# 280
Delta R.T. -0.02 min
Lab File: BF085532.D
Acq: 18 Mar 2016 12:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.7	49.0	73.4
63	26.2	24.8	37.2





#7

Phenol-d6

Concen: 144.52 ng

RT: 6.52 min Scan# 370

Delta R.T. -0.03 min

Lab File: BF085532.D

Acq: 18 Mar 2016 12:01

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-18-COMP(0.5-1.5)RE

Tgt Ion: 99 Resp: 1592806

Ion Ratio Lower Upper

99 100

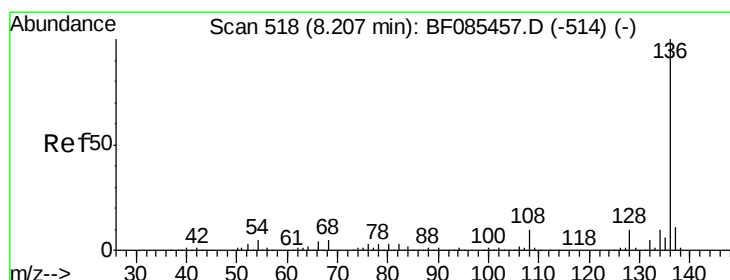
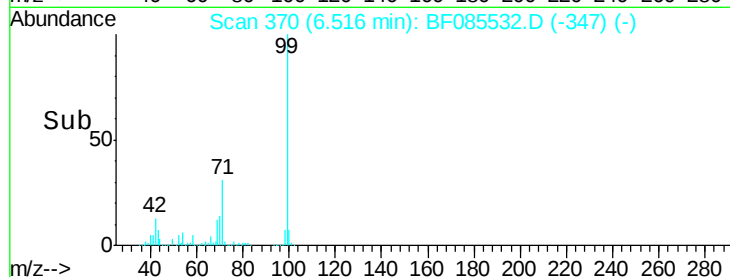
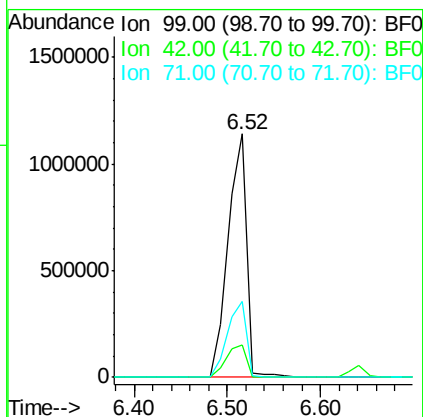
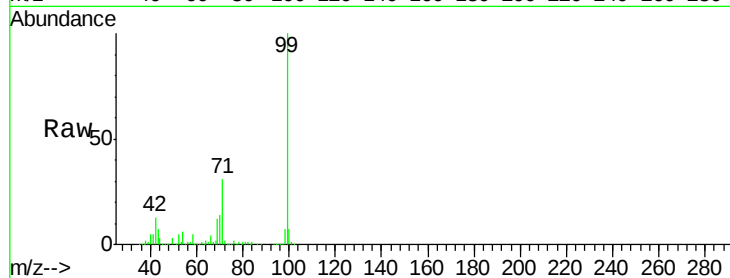
42 13.2 13.6 20.4#

71 31.2 26.7 40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 514

Delta R.T. -0.05 min

Lab File: BF085532.D

Acq: 18 Mar 2016 12:01

Tgt Ion: 136 Resp: 498675

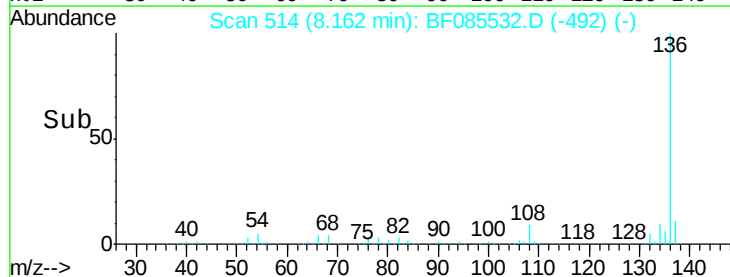
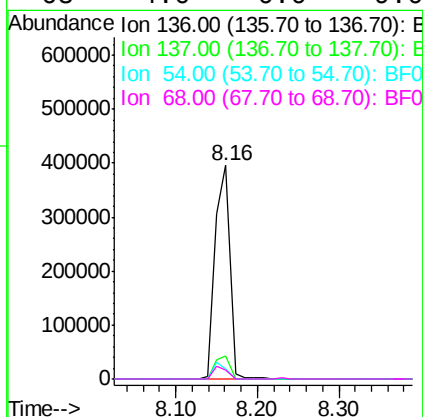
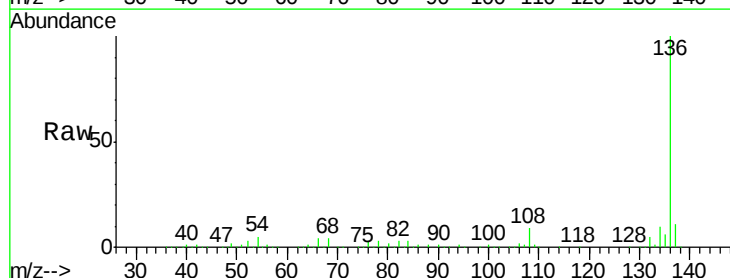
Ion Ratio Lower Upper

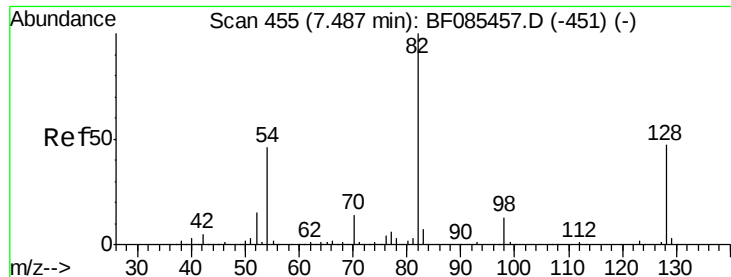
136 100

137 10.7 9.3 13.9

54 4.6 7.4 11.2#

68 4.0 6.0 9.0#





#23

Nitrobenzene-d5

Concen: 116.04 ng

RT: 7.44 min Scan# 451

Delta R.T. -0.05 min

Lab File: BF085532.D

Acq: 18 Mar 2016 12:01

Instrument :

BNA_F

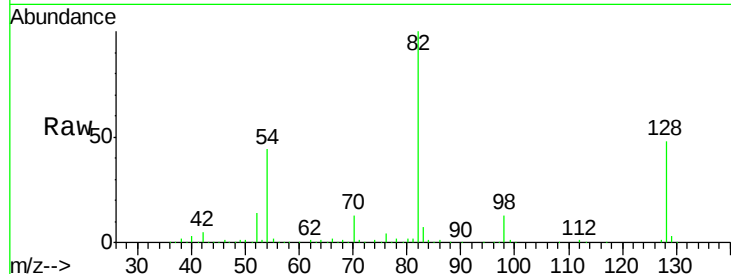
ClientSampleId :

W170TH-SB-18-COMP(0.5-1.5)RE

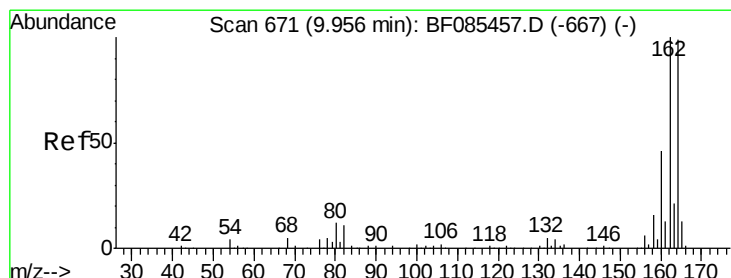
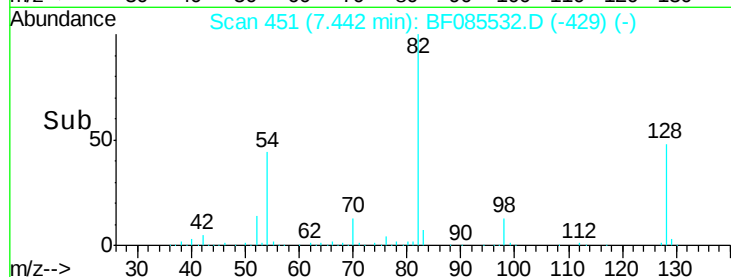
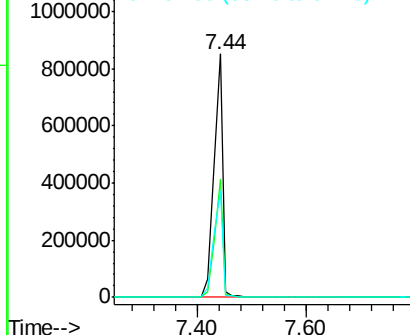
Tgt Ion:	82	Resp:	978713
Ion Ratio	Lower	Upper	
82	100		
128	48.4	34.5	51.7
54	44.0	39.3	58.9

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.91 min Scan# 667

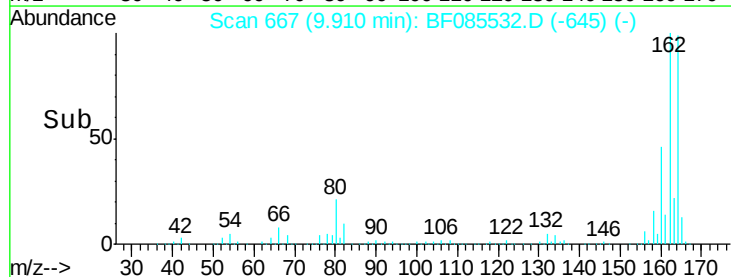
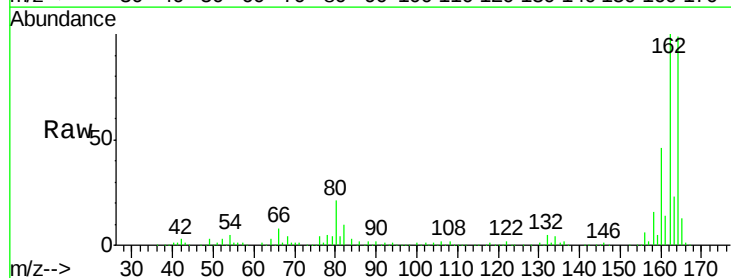
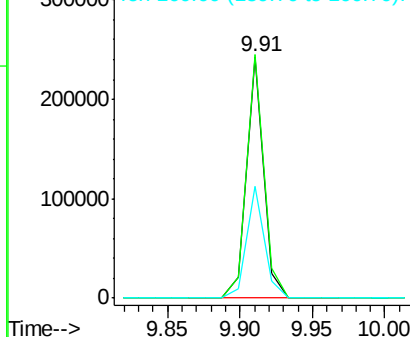
Delta R.T. -0.05 min

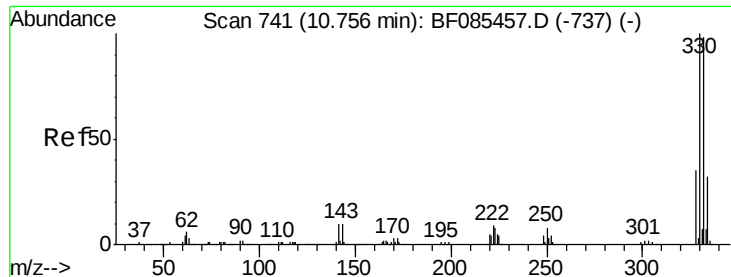
Lab File: BF085532.D

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Tgt Ion:	164	Resp:	198485
Ion Ratio	Lower	Upper	
164	100		
162	101.0	83.3	124.9
160	46.3	37.9	56.9

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





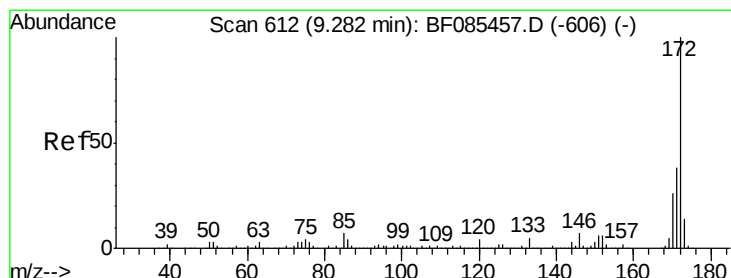
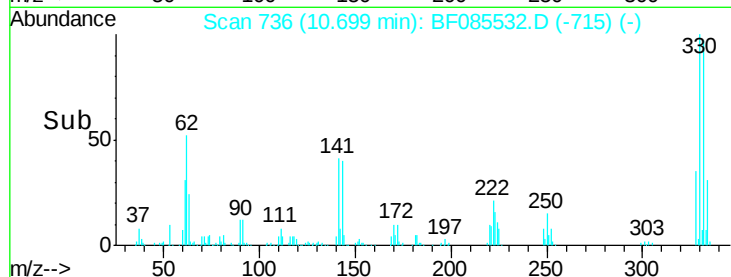
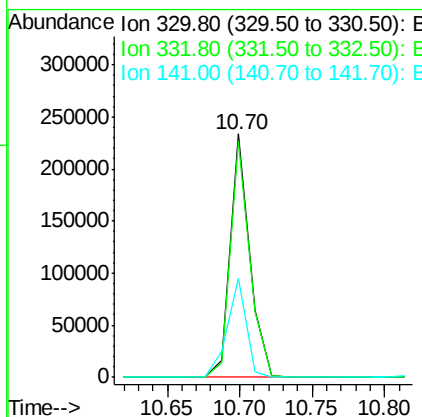
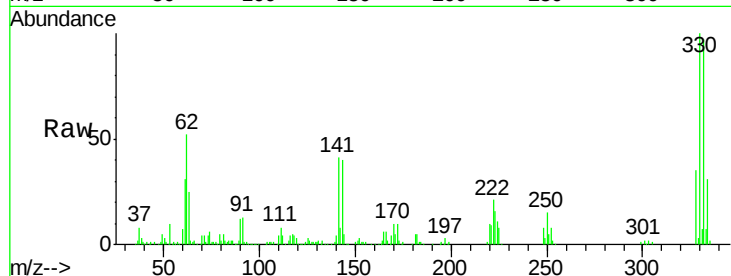
#41
 2,4,6-Tribromophenol
 Concen: 119.04 ng
 RT: 10.70 min Scan# 736
 Delta R.T. -0.06 min
 Lab File: BF085532.D
 Acq: 18 Mar 2016 12:01

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-18-COMP(0.5-1.5)RE

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	217628		
332	96.8	77.1	115.7	
141	39.5	35.0	52.6	

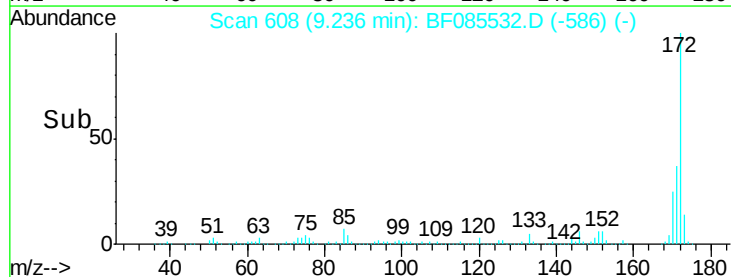
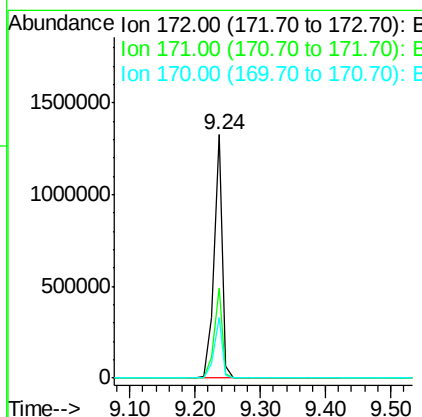
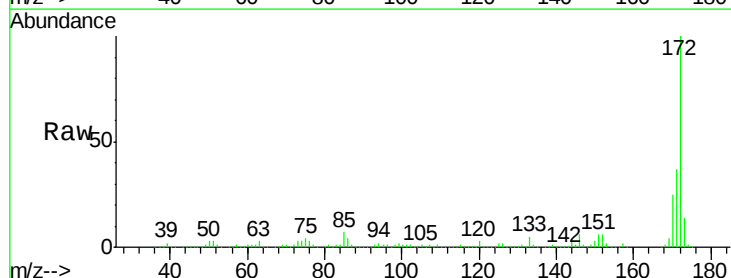
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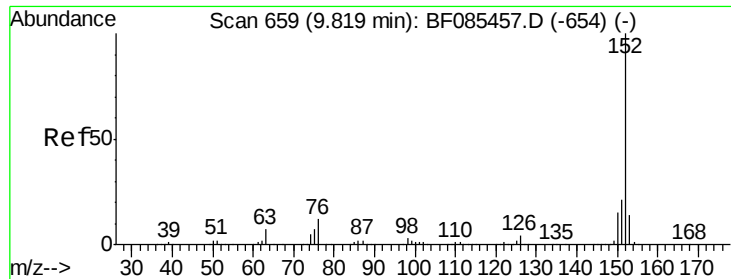
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#44
 2-Fluorobiphenyl
 Concen: 104.50 ng
 RT: 9.24 min Scan# 608
 Delta R.T. -0.05 min
 Lab File: BF085532.D
 Acq: 18 Mar 2016 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1195600		
171	36.9	29.3	43.9	
170	24.8	20.0	30.0	





#48

Acenaphthylene

Concen: 3.66 ng

RT: 9.77 min Scan# 655

Delta R.T. -0.05 min

Lab File: BF085532.D

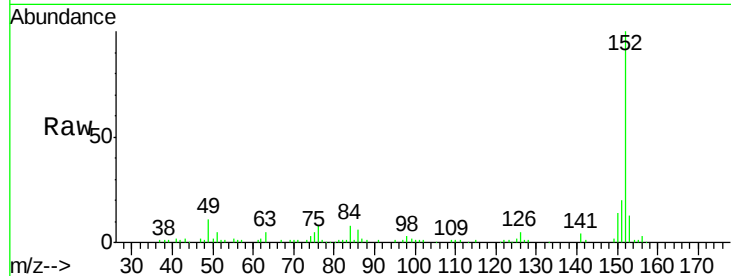
Acq: 18 Mar 2016 12:01

Instrument :

BNA_F

ClientSampleId :

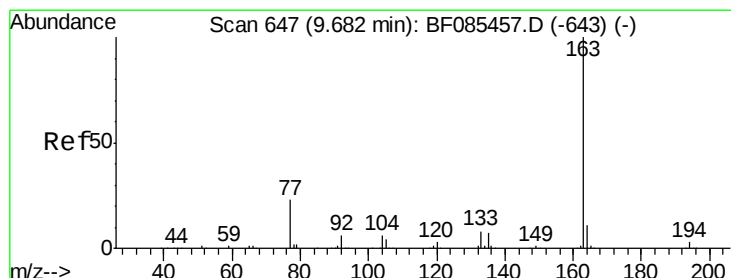
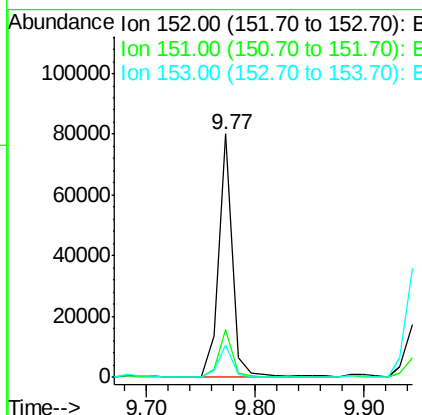
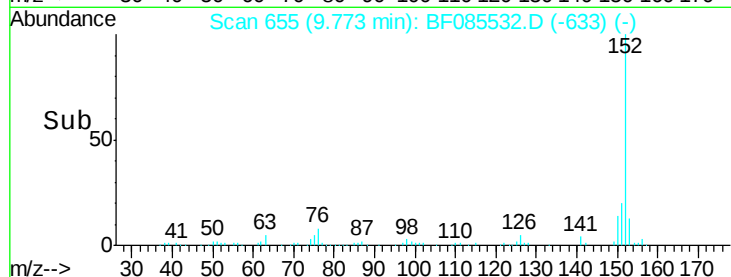
W170TH-SB-18-COMP(0.5-1.5)RE



Tgt Ion:	152	Resp:	71881
Ion Ratio	Lower	Upper	
152	100		
151	19.8	17.5	26.3
153	13.1	11.3	16.9

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#49

Dimethylphthalate

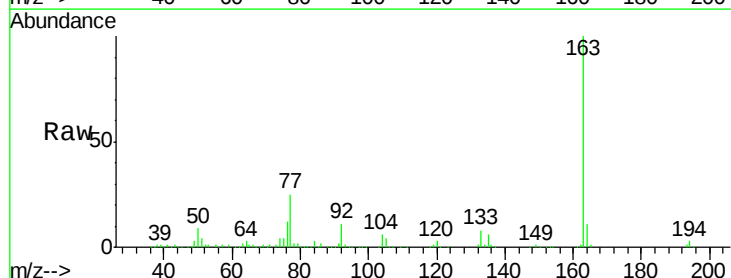
Concen: 15.92 ng

RT: 9.62 min Scan# 642

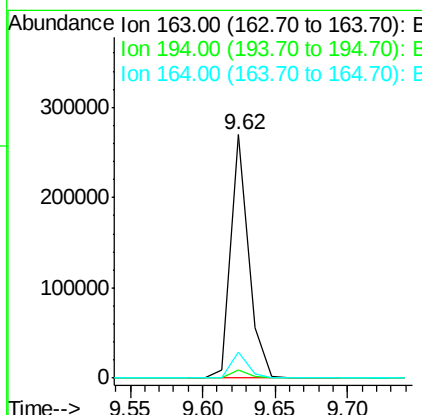
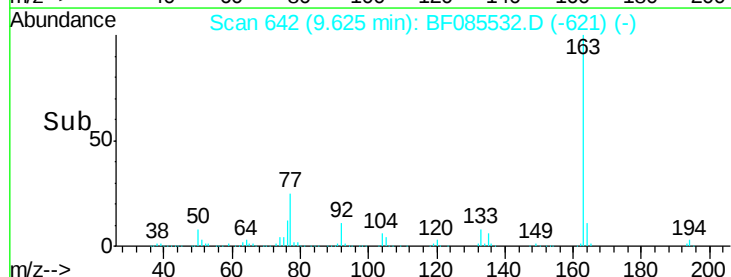
Delta R.T. -0.06 min

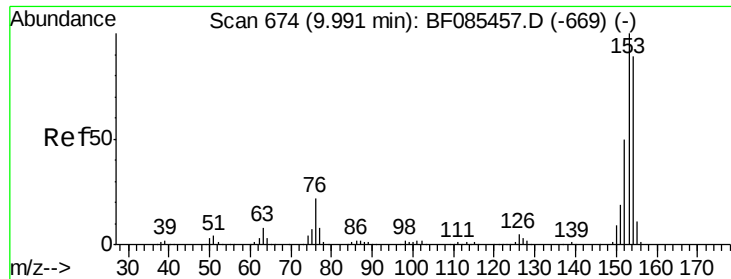
Lab File: BF085532.D

Acq: 18 Mar 2016 12:01



Tgt Ion:	163	Resp:	230524
Ion Ratio	Lower	Upper	
163	100		
194	3.2	3.1	4.7
164	10.5	8.2	12.4





#51

Acenaphthene

Concen: 2.19 ng

RT: 9.94 min Scan# 670

Delta R.T. -0.05 min

Lab File: BF085532.D

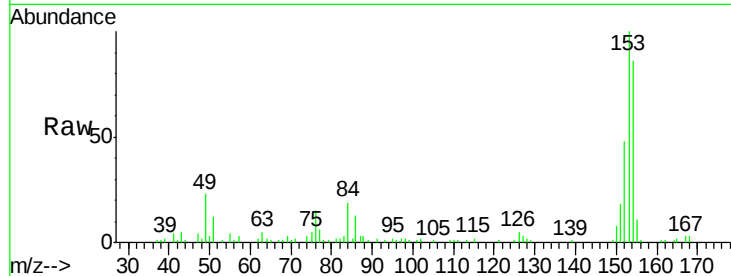
Acq: 18 Mar 2016 12:01

Instrument :

BNA_F

ClientSampleId :

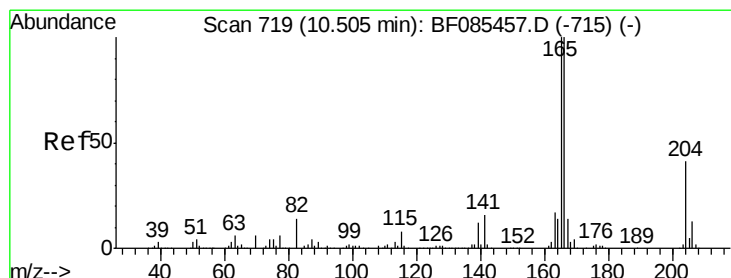
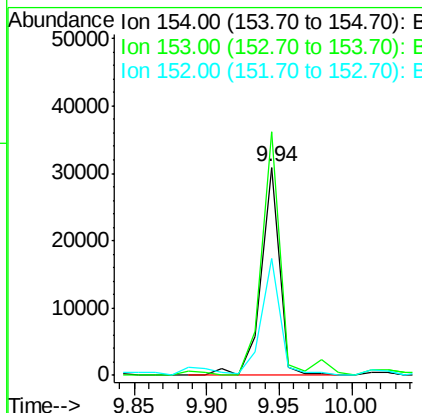
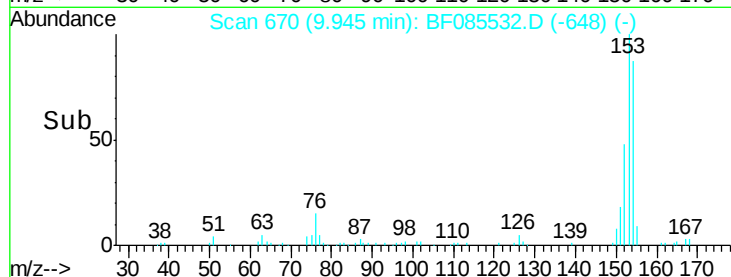
W170TH-SB-18-COMP(0.5-1.5)RE



Tgt Ion:	154	Resp:	27085
Ion Ratio	Lower	Upper	
154	100		
153	116.8	89.8	134.8
152	56.3	44.6	66.8

Manual Integrations
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#57

Fluorene

Concen: 3.94 ng

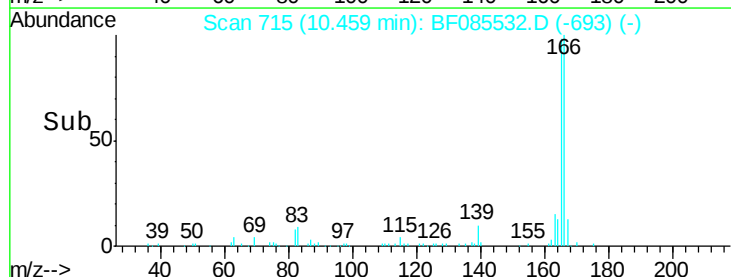
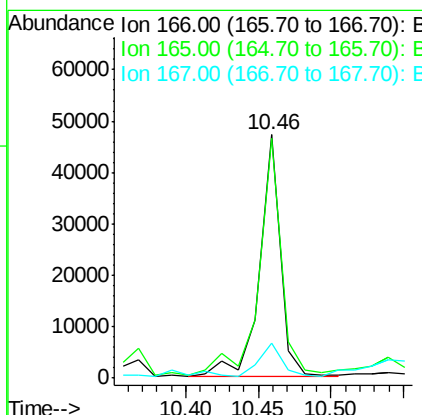
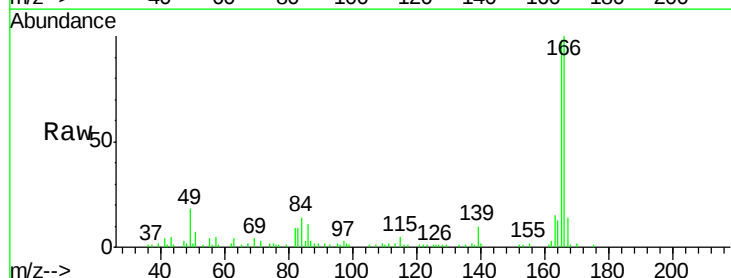
RT: 10.46 min Scan# 715

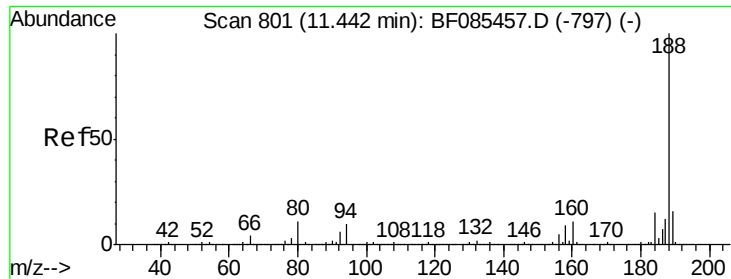
Delta R.T. -0.05 min

Lab File: BF085532.D

Acq: 18 Mar 2016 12:01

Tgt Ion:	166	Resp:	47710
Ion Ratio	Lower	Upper	
166	100		
165	98.4	79.4	119.0
167	14.2	11.0	16.6





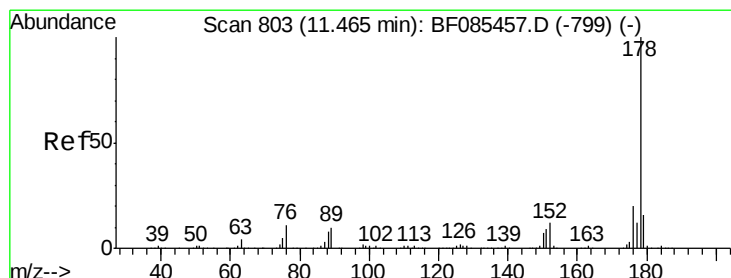
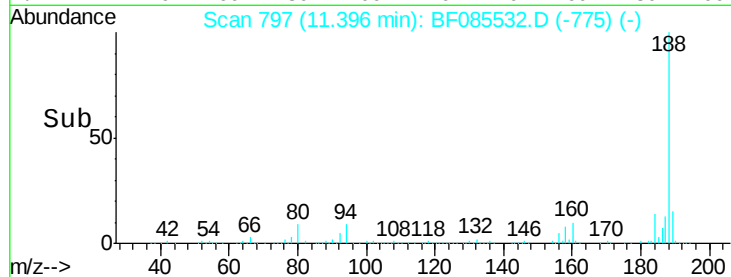
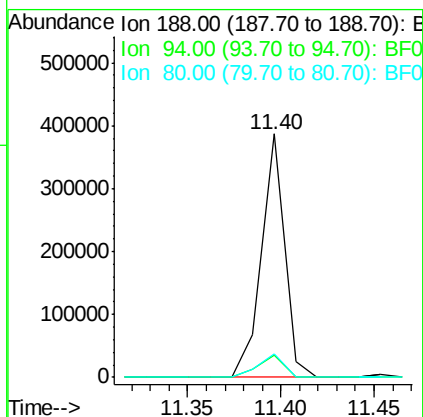
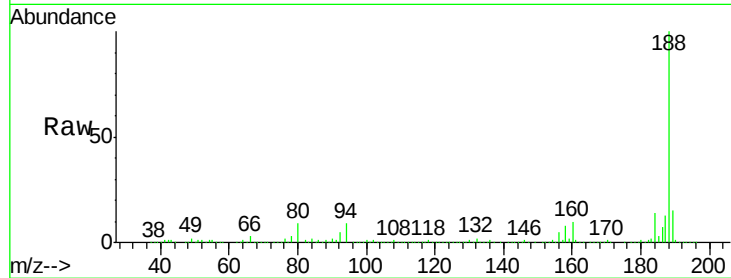
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.05 min
Lab File: BF085532.D
Acq: 18 Mar 2016 12:01

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-18-COMP(0.5-1.5)RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.9	7.0	10.6
80	9.4	7.4	11.0

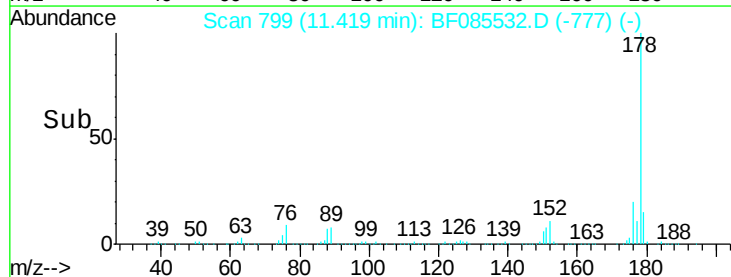
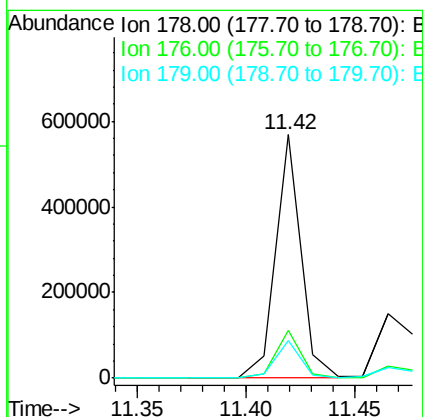
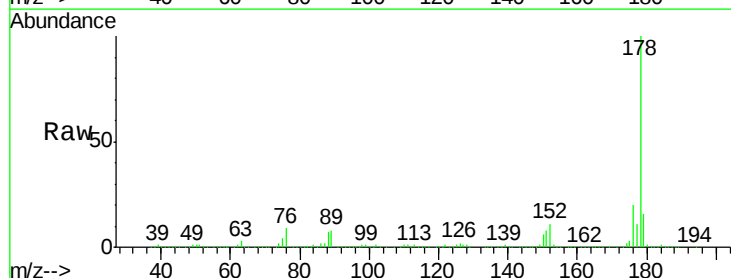
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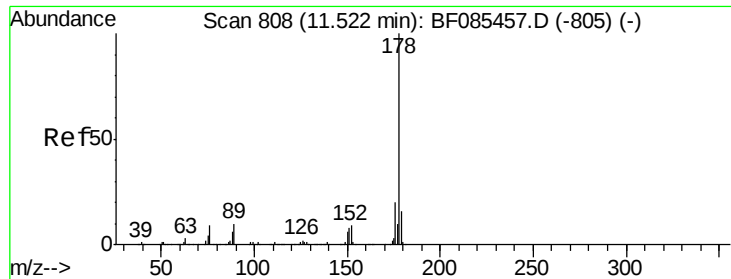
Sohil
3/18/2016 3:44:44 PM



#70
Phenanthrene
Concen: 26.99 ng
RT: 11.42 min Scan# 799
Delta R.T. -0.05 min
Lab File: BF085532.D
Acq: 18 Mar 2016 12:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.6	16.8	25.2
179	15.6	13.1	19.7





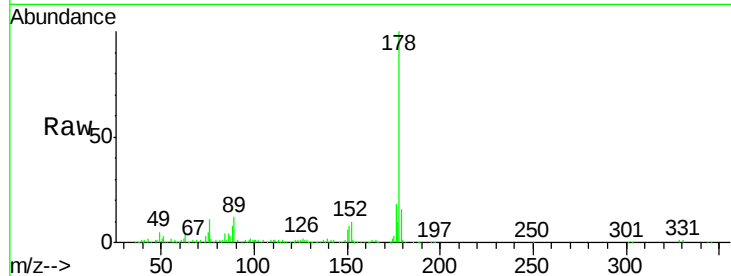
#71
 Anthracene
 Concen: 10.70 ng
 RT: 11.46 min Scan# 803
 Delta R.T. -0.06 min
 Lab File: BF085532.D
 Acq: 18 Mar 2016 12:01

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-18-COMP(0.5-1.5)RE

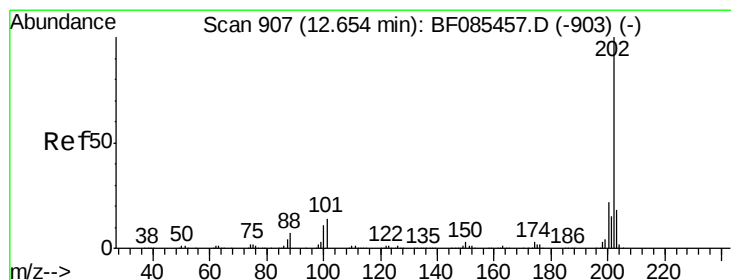
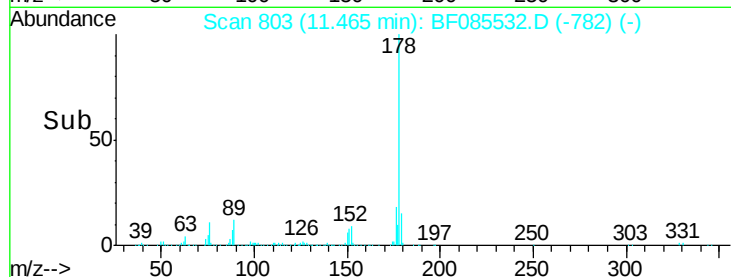
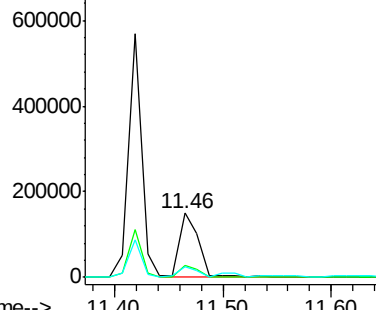
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	187627		
176	18.4	15.9	23.9	
179	15.8	12.5	18.7	

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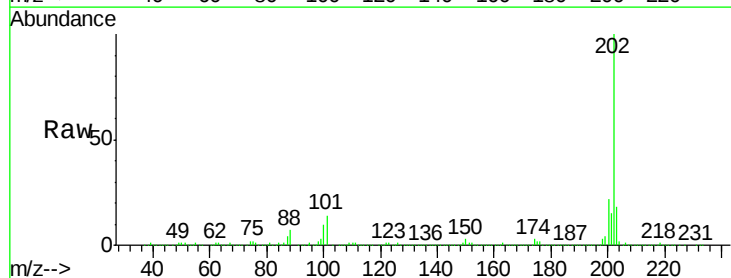


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

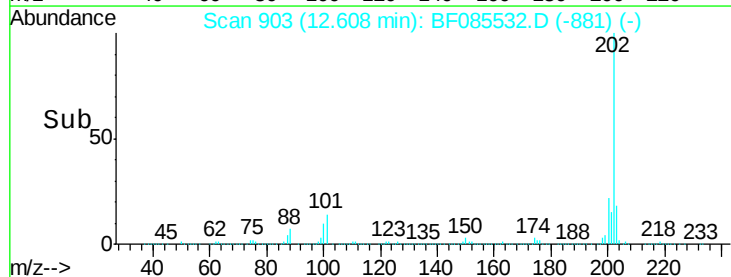
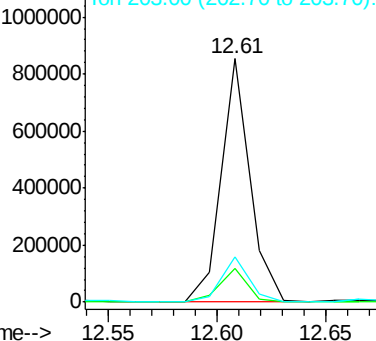


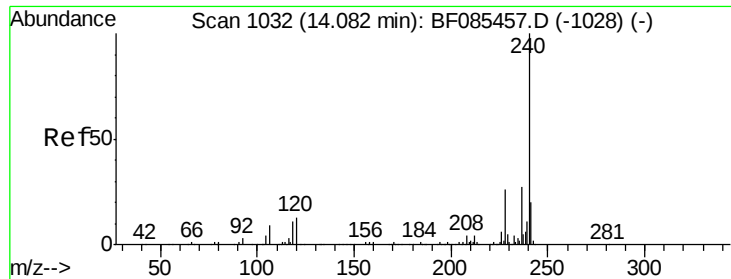
#74
 Fluoranthene
 Concen: 48.30 ng
 RT: 12.61 min Scan# 903
 Delta R.T. -0.05 min
 Lab File: BF085532.D
 Acq: 18 Mar 2016 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	782017		
101	14.1	0.0	31.8	
203	18.5	0.0	38.4	



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





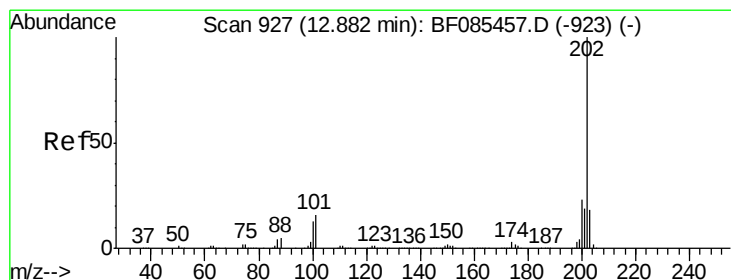
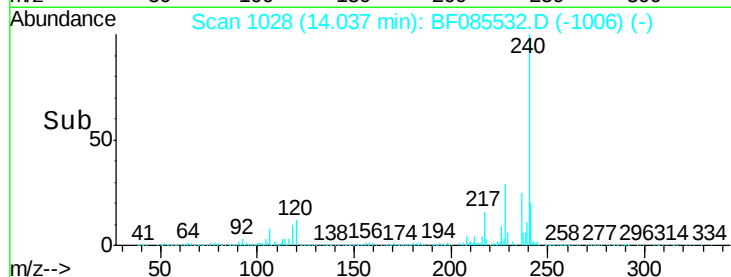
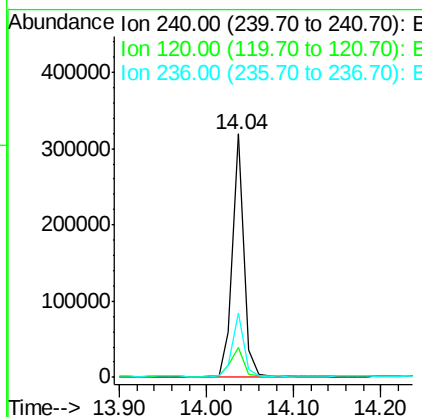
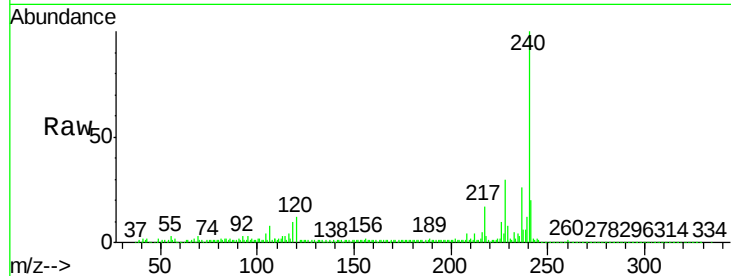
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 1028
Delta R.T. -0.05 min
Lab File: BF085532.D
Acq: 18 Mar 2016 12:01

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-18-COMP(0.5-1.5)RE

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.3	5.3	7.9#
236	26.4	20.7	31.1

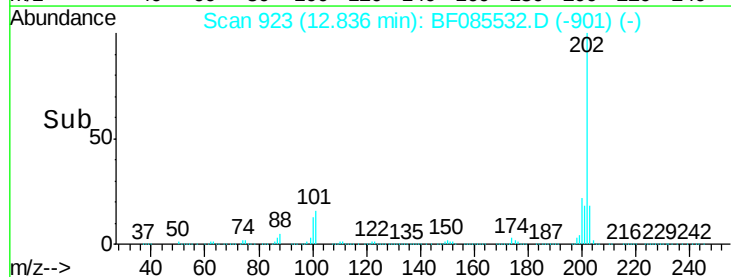
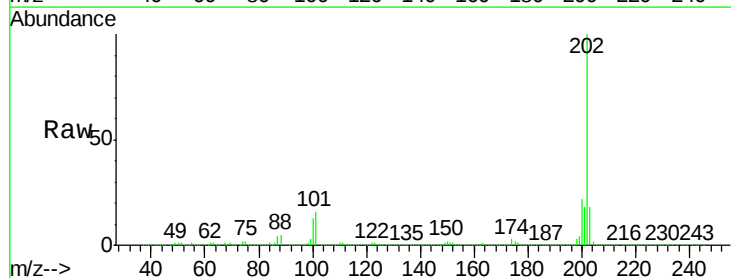
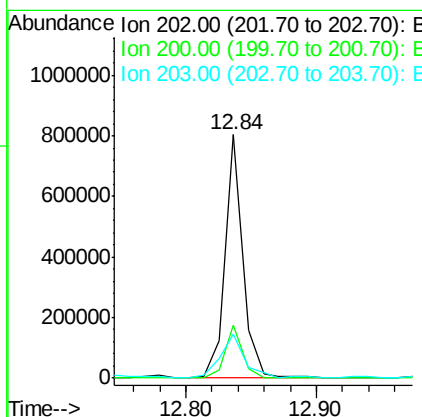
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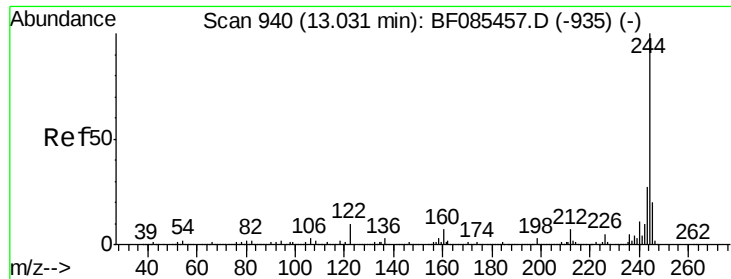
Sohil
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#77
Pyrene
Concen: 35.26 ng
RT: 12.84 min Scan# 923
Delta R.T. -0.05 min
Lab File: BF085532.D
Acq: 18 Mar 2016 12:01

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	18.2	27.4
203	18.2	14.7	22.1





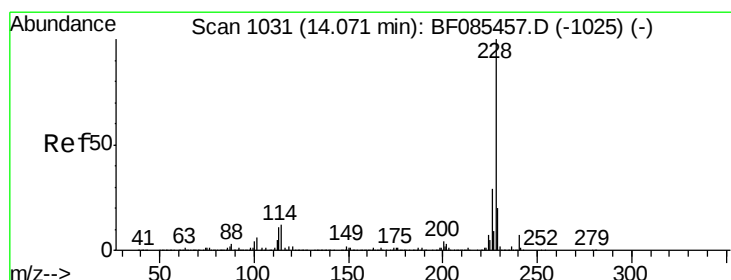
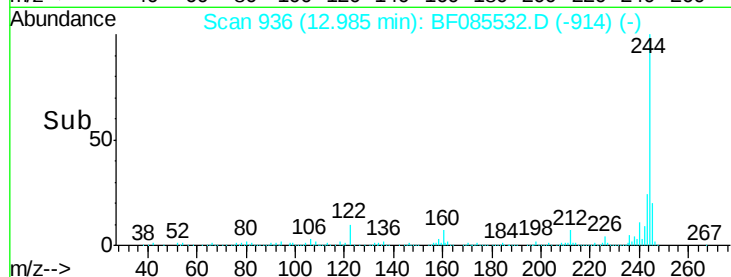
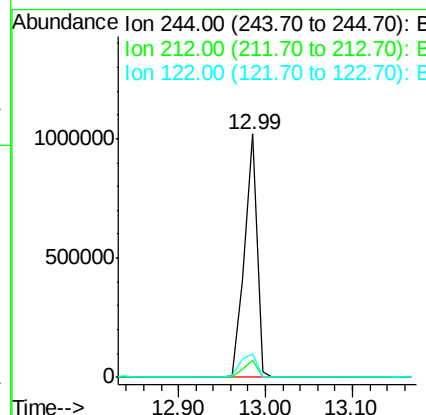
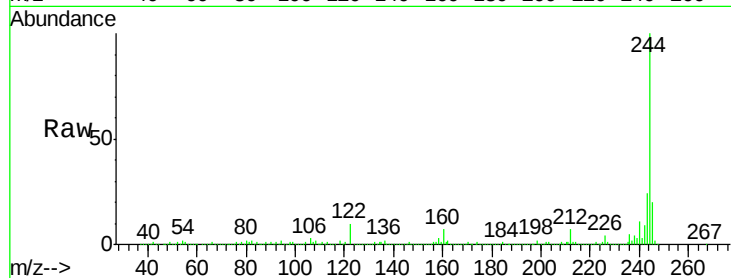
#78
 Terphenyl-d14
 Concen: 78.65 ng
 RT: 12.99 min Scan# 936
 Delta R.T. -0.05 min
 Lab File: BF085532.D
 Acq: 18 Mar 2016 12:01

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-18-COMP(0.5-1.5)RE

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.4	9.6
122	9.8	11.4	17.2#

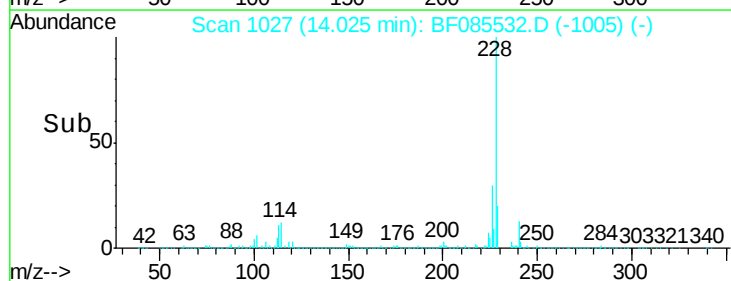
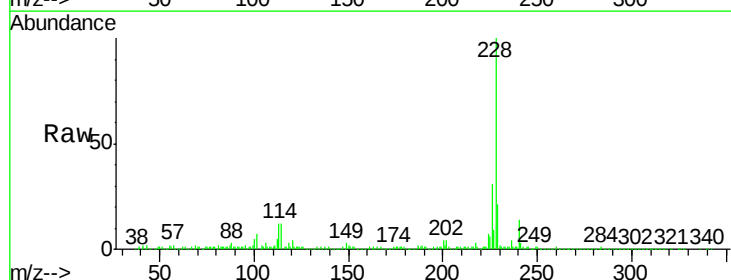
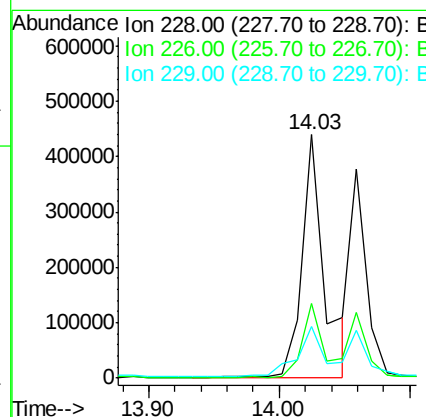
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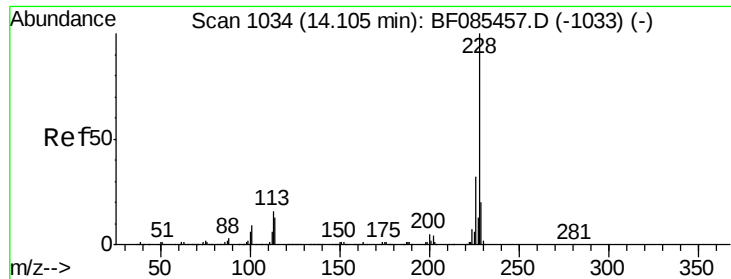
Sohil
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#80
 Benzo(a)anthracene
 Concen: 31.38 ng
 RT: 14.03 min Scan# 1027
 Delta R.T. -0.05 min
 Lab File: BF085532.D
 Acq: 18 Mar 2016 12:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.8	34.2
229	21.0	16.6	24.8





#82

Chrysene

Concen: 21.83 ng

RT: 14.06 min Scan# 1030

Delta R.T. -0.05 min

Lab File: BF085532.D

Acq: 18 Mar 2016 12:01

Instrument :

BNA_F

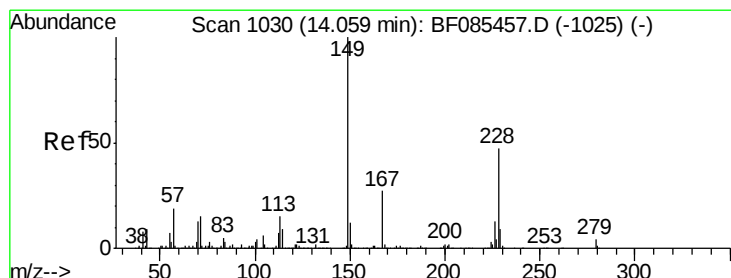
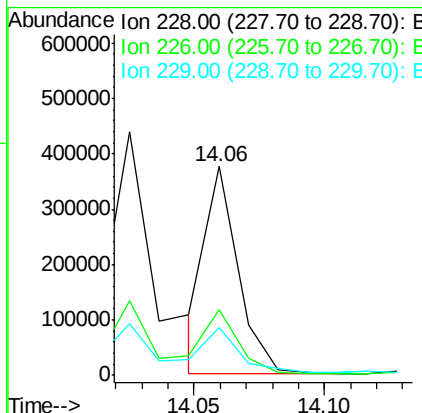
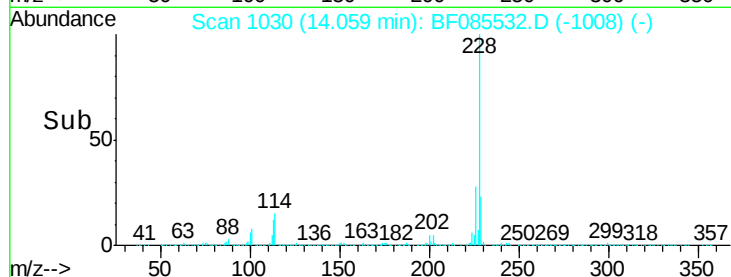
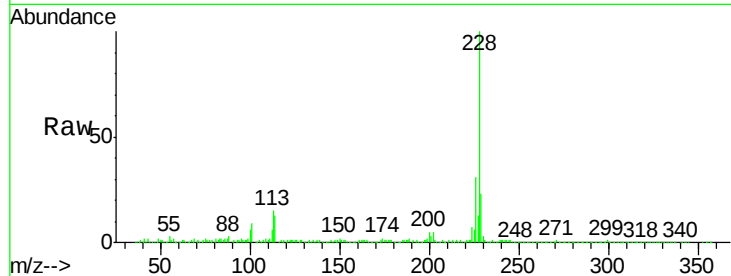
ClientSampleId :

W170TH-SB-18-COMP(0.5-1.5)RE

Tgt Ion:	228	Resp:	324820
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.2	37.8
229	22.9	16.0	24.0

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#83

Bis(2-ethylhexyl)phthalate

Concen: 3.03 ng

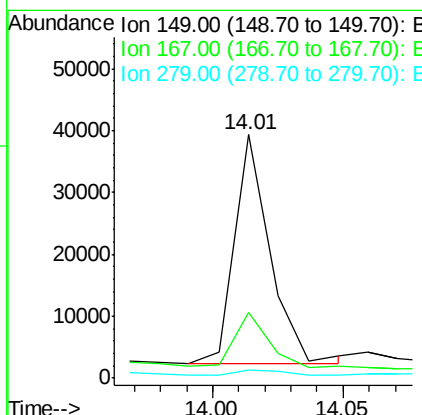
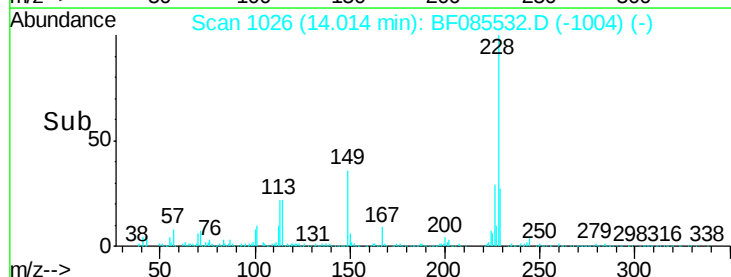
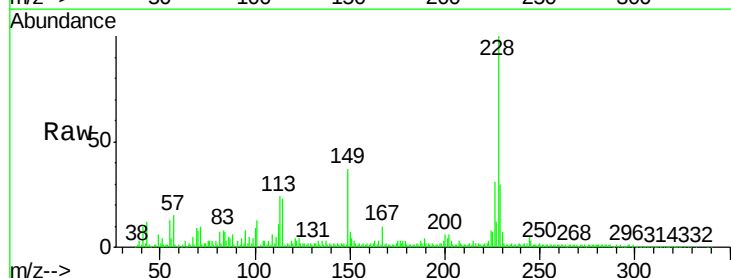
RT: 14.01 min Scan# 1026

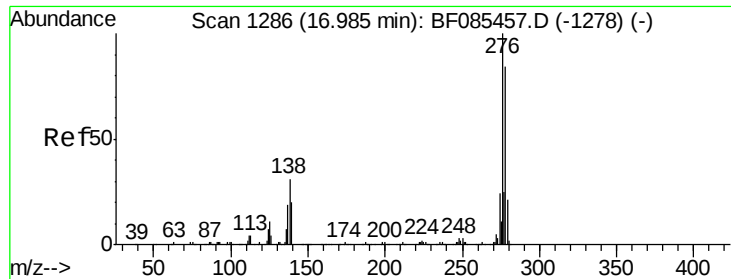
Delta R.T. -0.05 min

Lab File: BF085532.D

Acq: 18 Mar 2016 12:01

Tgt Ion:	149	Resp:	34993
Ion Ratio	Lower	Upper	
149	100		
167	27.2	20.3	30.5
279	3.5	1.9	2.9#





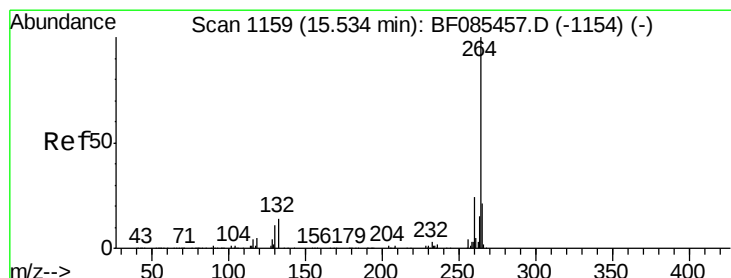
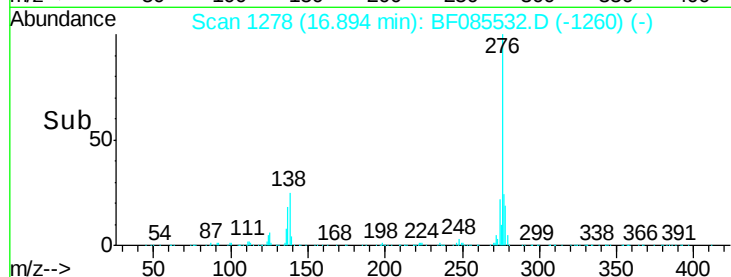
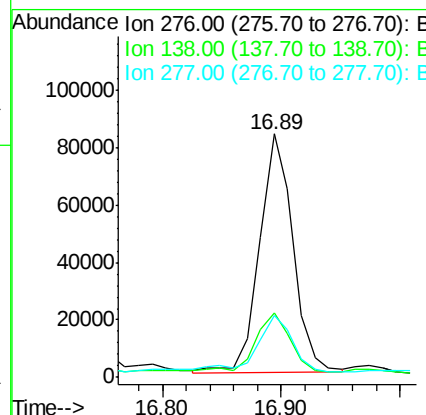
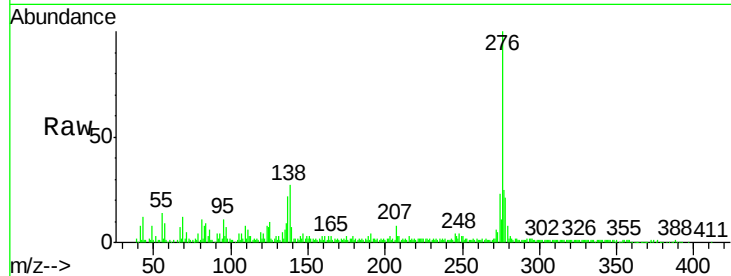
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.58 ng
 RT: 16.89 min Scan# 1278
 Delta R.T. -0.09 min
 Lab File: BF085532.D
 Acq: 18 Mar 2016 12:01

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-18-COMP(0.5-1.5)RE

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	163410		
138	26.8	26.4	39.6	
277	26.5	20.2	30.2	

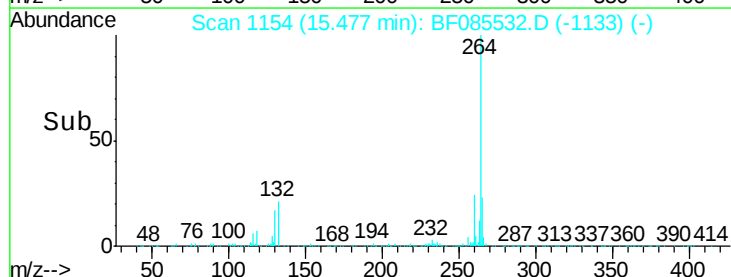
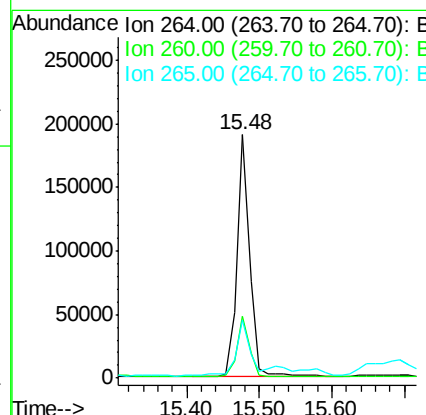
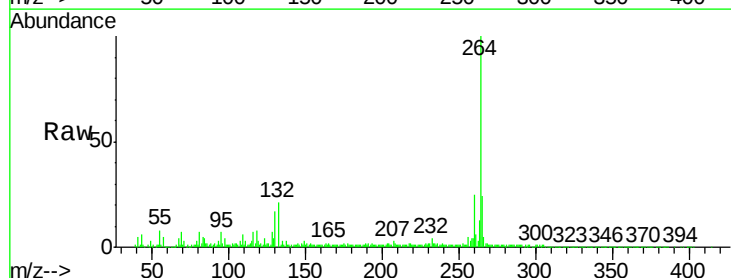
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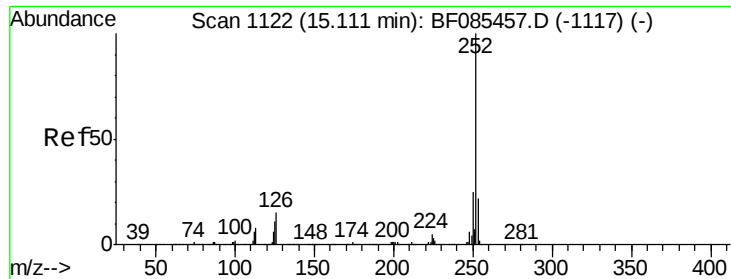
Sohil
 3/18/2016 3:44:44 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 1154
 Delta R.T. -0.06 min
 Lab File: BF085532.D
 Acq: 18 Mar 2016 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	232593		
260	25.2	19.2	28.8	
265	23.7	17.3	25.9	





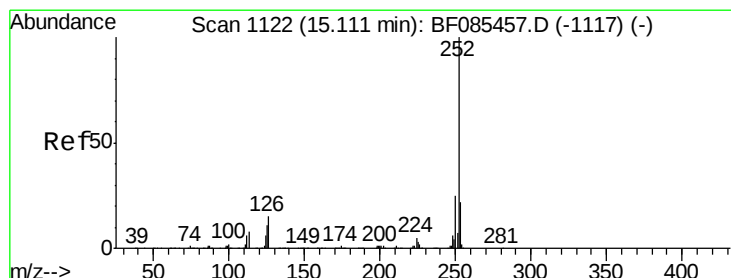
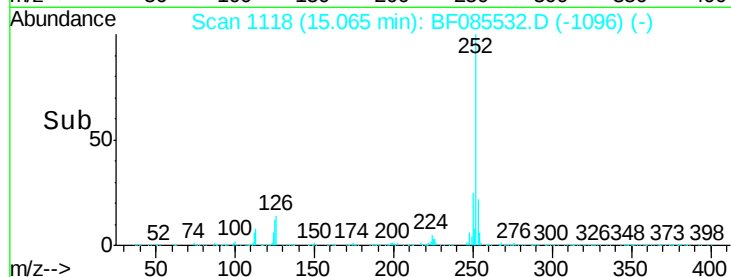
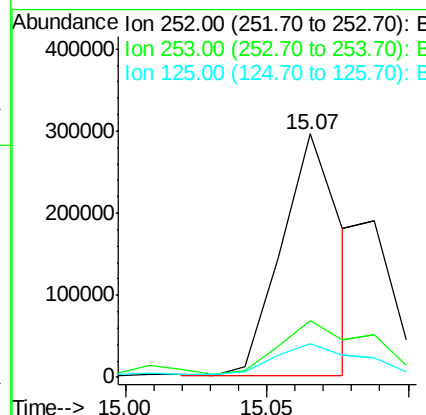
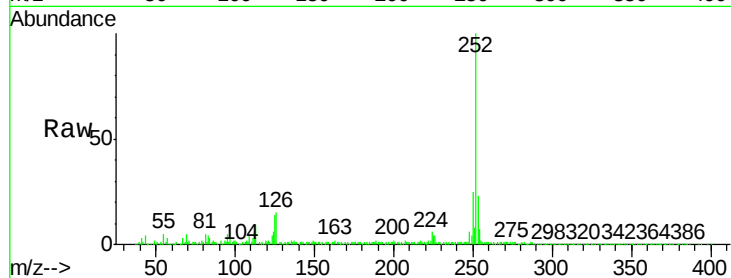
#87
Benzo(b)fluoranthene
Concen: 28.25 ng m
RT: 15.07 min Scan# 1118
Delta R.T. -0.05 min
Lab File: BF085532.D
Acq: 18 Mar 2016 12:01

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-18-COMP(0.5-1.5)RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	13.7	11.3	16.9

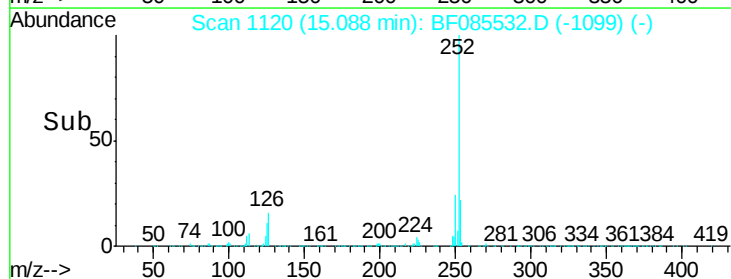
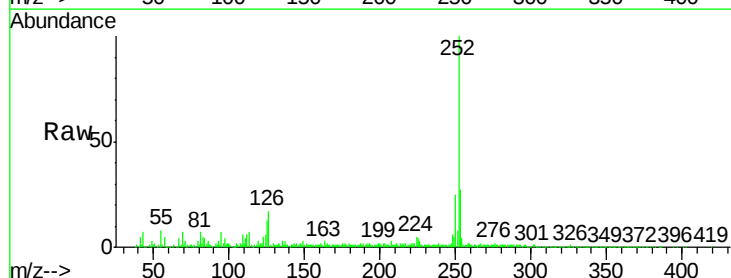
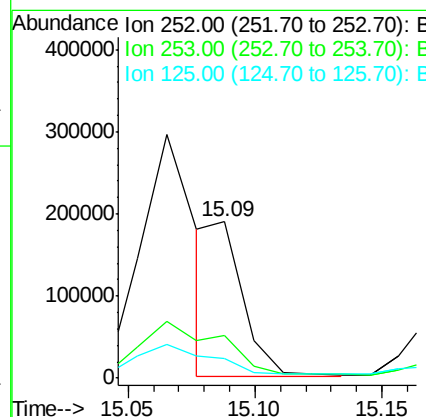
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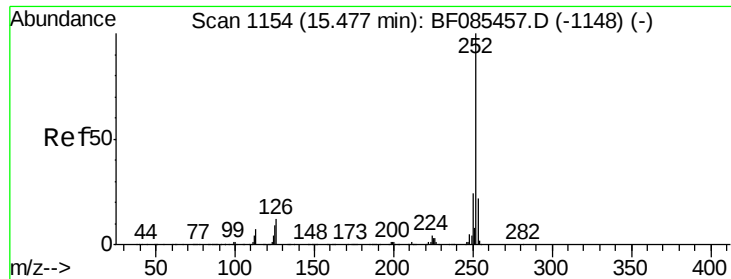
Sohil
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#88
Benzo(k)fluoranthene
Concen: 13.76 ng m
RT: 15.09 min Scan# 1120
Delta R.T. -0.06 min
Lab File: BF085532.D
Acq: 18 Mar 2016 12:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.8	26.6#
125	12.7	10.4	15.6





#89

Benzo(a)pyrene

Concen: 24.13 ng

RT: 15.42 min Scan# 1149

Delta R.T. -0.06 min

Lab File: BF085532.D

Acq: 18 Mar 2016 12:01

Instrument :

BNA_F

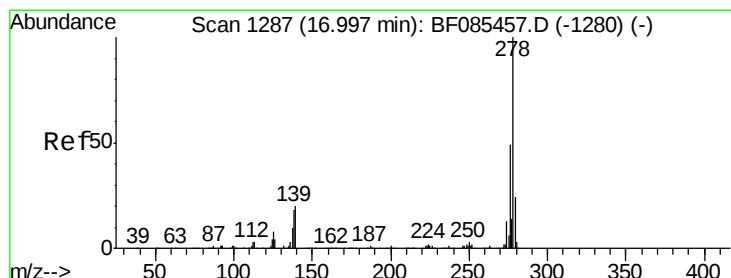
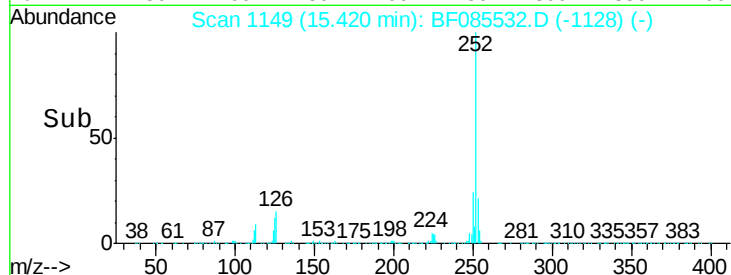
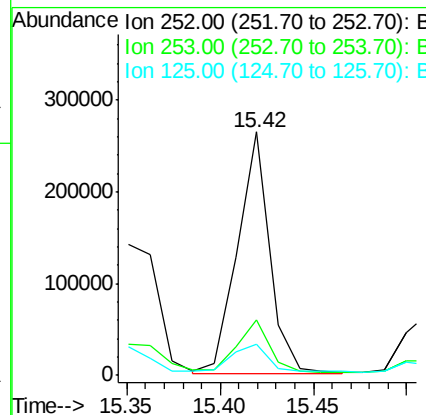
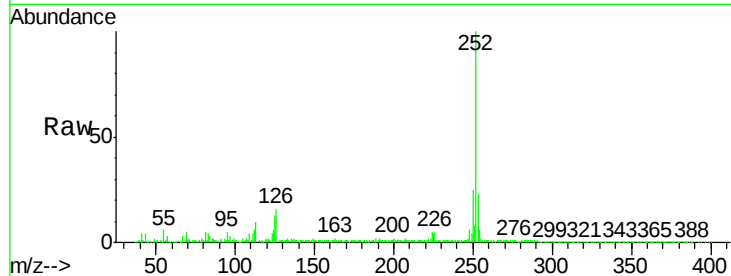
ClientSampleId :

W170TH-SB-18-COMP(0.5-1.5)RE

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		316701		
253	22.8	17.4	26.0		
125	12.6	8.2	12.4#		

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#90

Dibenzo(a,h)anthracene

Concen: 3.38 ng

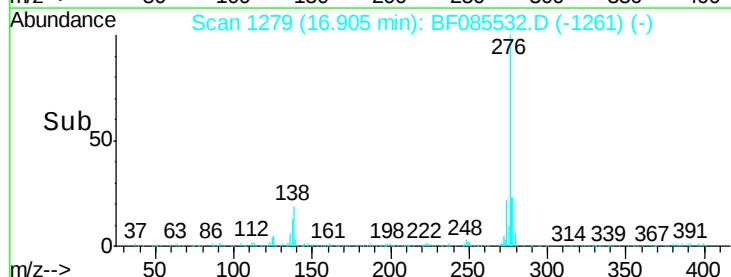
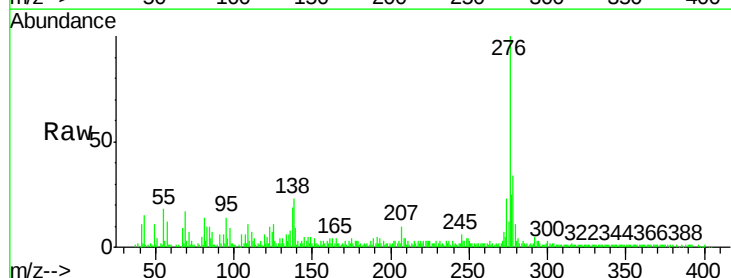
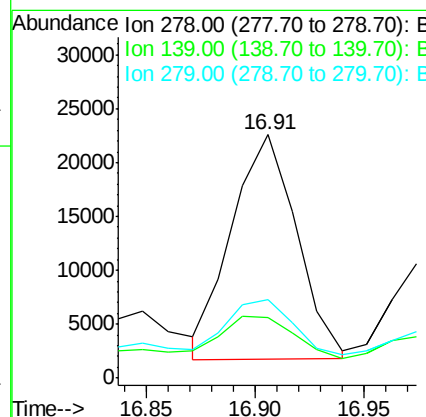
RT: 16.91 min Scan# 1279

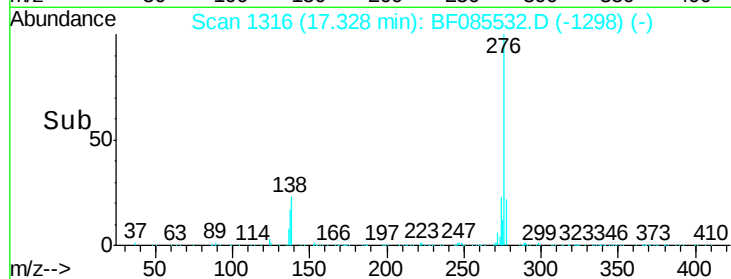
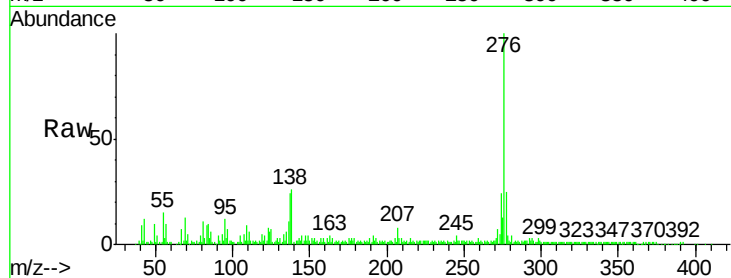
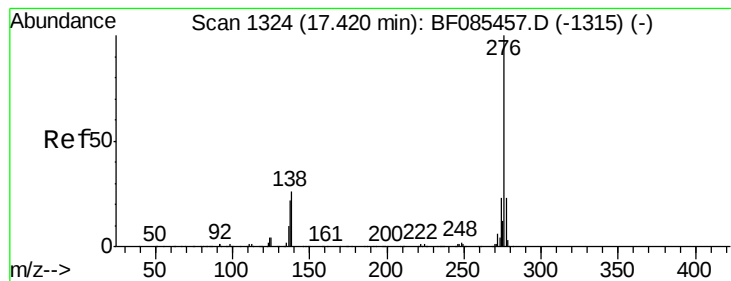
Delta R.T. -0.09 min

Lab File: BF085532.D

Acq: 18 Mar 2016 12:01

Tgt	Ion	Ratio	Resp	Lower	Upper
278	100		43392		
139	24.9	17.3	25.9		
279	32.5	19.2	28.8#		





#91

Benzo(g,h,i)perylene

Concen: 11.65 ng

RT: 17.33 min Scan# 1316

Delta R.T. -0.09 min

Lab File: BF085532.D

Acq: 18 Mar 2016 12:01

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-18-COMP(0.5-1.5)RE

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.0	28.4
138	26.4	22.5	33.7

Manual Integrations
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