

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
 Data File : BF085533.D
 Acq On : 18 Mar 2016 12:29
 Operator : UM/SJ
 Sample : H1730-10RE
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-07-COMP(0.5-4.0)RE

Manual Integrations
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Sohil
 3/18/2016 3:44:48 PM

Quant Time: Mar 18 13:21:49 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	157511	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	579752	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	209536	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	356642	20.00	ng	-0.05
75) Chrysene-d12	14.04	240	335915	20.00	ng	-0.05
86) Perylene-d12	15.48	264	269331	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1277631	139.43	ng	-0.02
7) Phenol-d6	6.52	99	1574617	132.48	ng	-0.03
23) Nitrobenzene-d5	7.44	82	1013689	103.38	ng	-0.05
41) 2,4,6-Tribromophenol	10.71	330	280758	145.48	ng	-0.05
44) 2-Fluorobiphenyl	9.24	172	1193826	98.84	ng	-0.05
78) Terphenyl-d14	12.99	244	1019303	68.64	ng	-0.05
Target Compounds						
49) Dimethylphthalate	9.62	163	267985	17.53	ng	Qvalue # 99
70) Phenanthrene	11.42	178	73658	3.97	ng	97
74) Fluoranthene	12.61	202	189431	10.85	ng	97
77) Pyrene	12.84	202	188253	7.47	ng	97
80) Benzo(a)anthracene	14.03	228	105242m	5.46	ng	
82) Chrysene	14.06	228	97707m	5.64	ng	
85) Indeno(1,2,3-cd)pyrene	16.88	276	38584	2.35	ng	90
87) Benzo(b)fluoranthene	15.05	252	99983m	5.68	ng	
88) Benzo(k)fluoranthene	15.07	252	44911m	3.26	ng	
89) Benzo(a)pyrene	15.41	252	72494	4.77	ng	# 93
91) Benzo(g,h,i)perylene	17.31	276	37619	2.48	ng	95

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

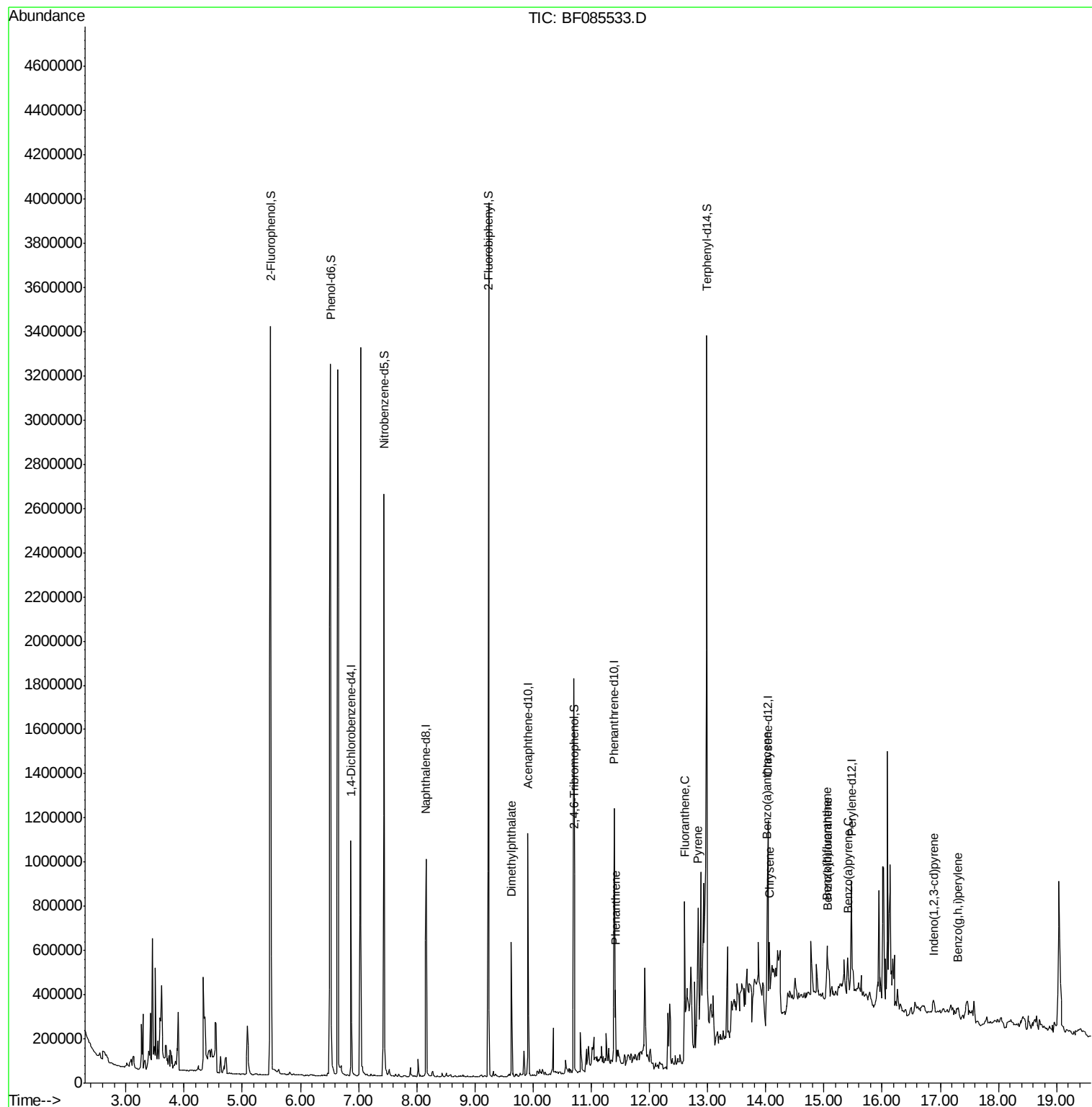
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
Data File : BF085533.D
Acq On : 18 Mar 2016 12:29
Operator : UM/SJ
Sample : H1730-10RE
Misc :
ALS Vial : 30 Sample Multiplier: 1

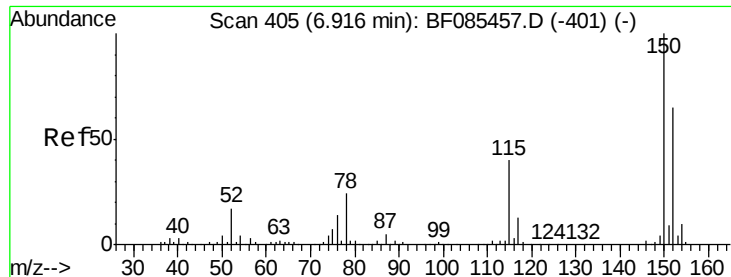
Instrument :
BNA_F
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W170TH-SB-07-COMP(0.5-4.0)RE

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
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#1

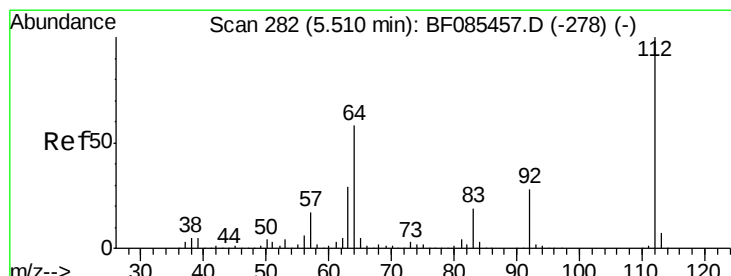
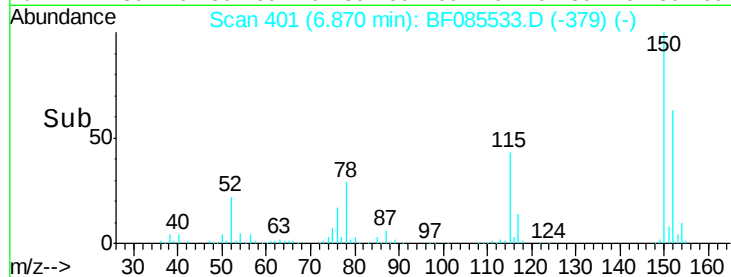
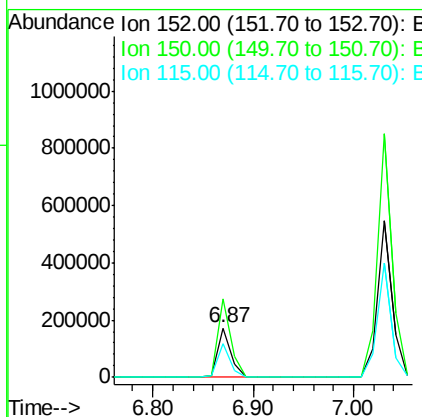
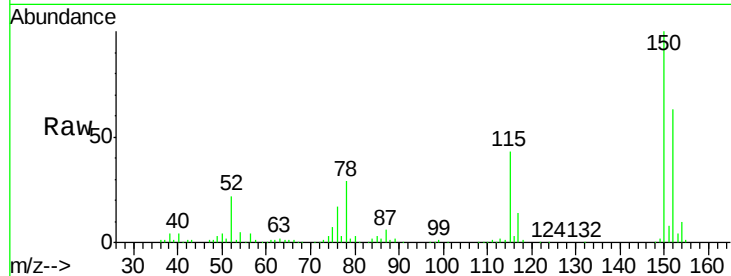
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 401
Delta R.T. -0.05 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-07-COMP(0.5-4.0)RE

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	157511		
150	158.7	124.6	186.8	
115	68.8	46.6	70.0	

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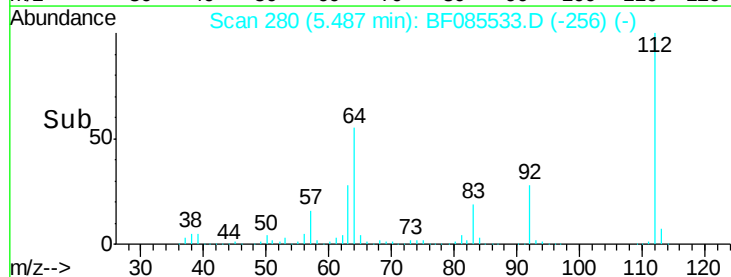
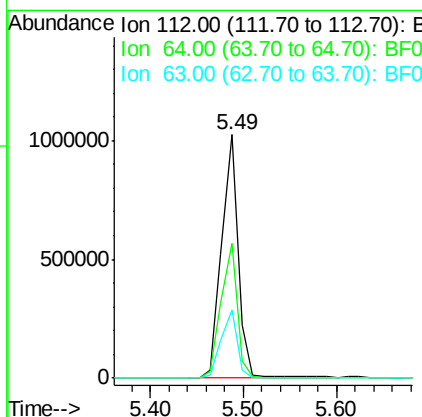
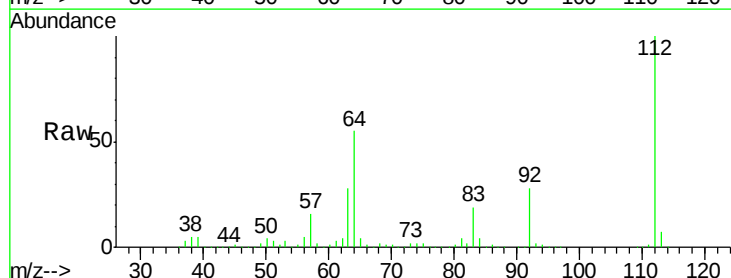
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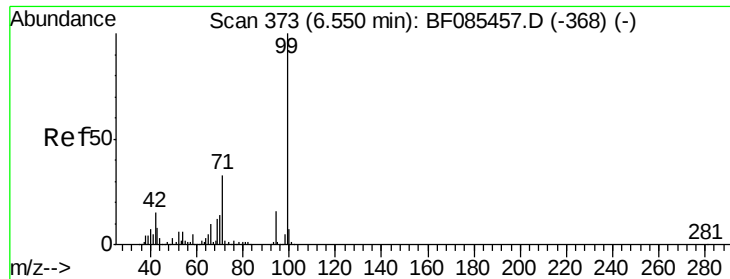


#5

2-Fluorophenol
Concen: 139.43 ng
RT: 5.49 min Scan# 280
Delta R.T. -0.02 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1277631		
64	55.2	49.0	73.4	
63	27.9	24.8	37.2	





#7

Phenol-d6

Concen: 132.48 ng

RT: 6.52 min Scan# 370

Delta R.T. -0.03 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-07-COMP(0.5-4.0)RE

Tgt Ion: 99 Resp: 1574617

Ion Ratio Lower Upper

99 100

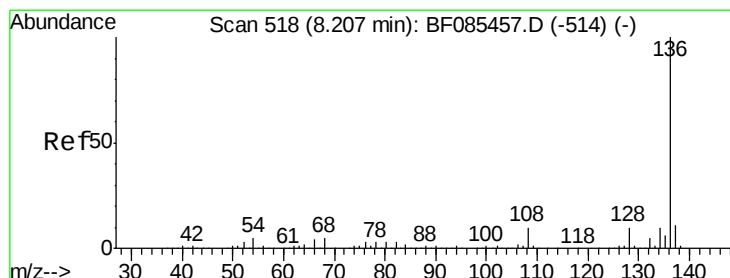
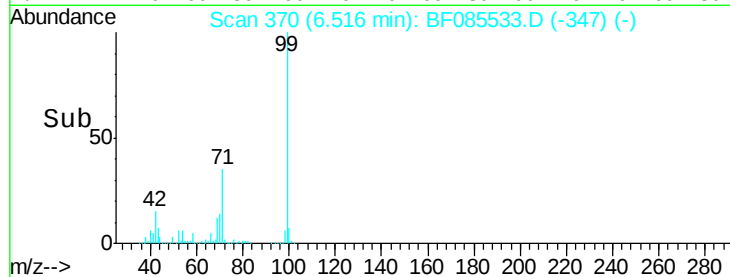
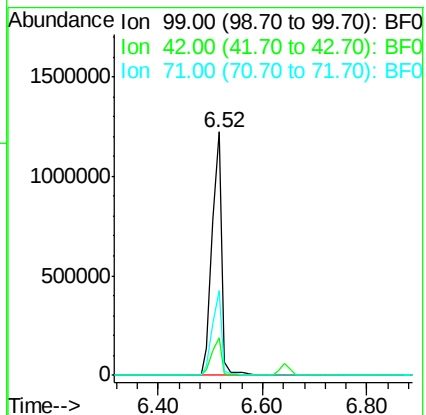
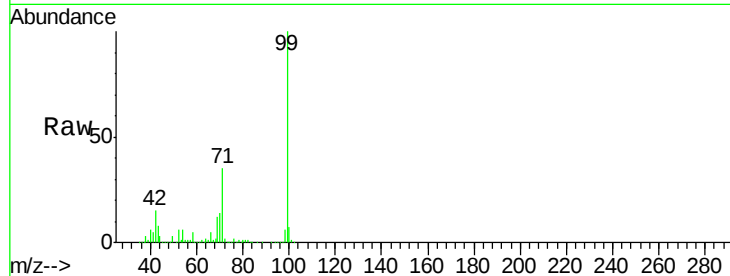
42 15.5 13.6 20.4

71 34.7 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: BF085533.D

Acq: 18 Mar 2016 12:29

Tgt Ion: 136 Resp: 579752

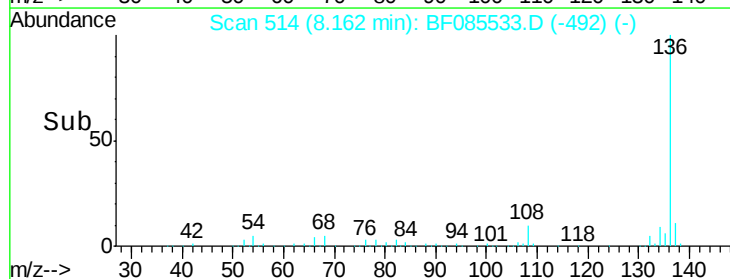
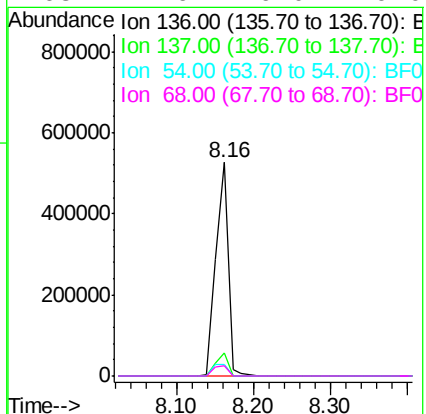
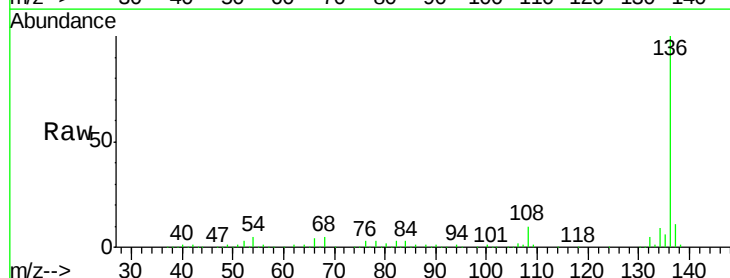
Ion Ratio Lower Upper

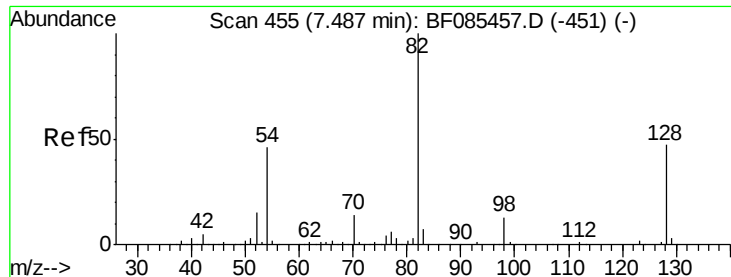
136 100

137 10.8 9.3 13.9

54 5.1 7.4 11.2#

68 4.6 6.0 9.0#





#23

Nitrobenzene-d5

Concen: 103.38 ng

RT: 7.44 min Scan# 451

Delta R.T. -0.05 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-07-COMP(0.5-4.0)RE

Tgt Ion: 82 Resp: 1013689

Ion Ratio Lower Upper

82 100

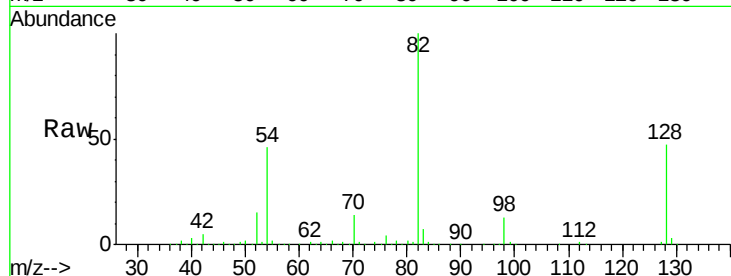
128 46.5 34.5 51.7

54 45.5 39.3 58.9

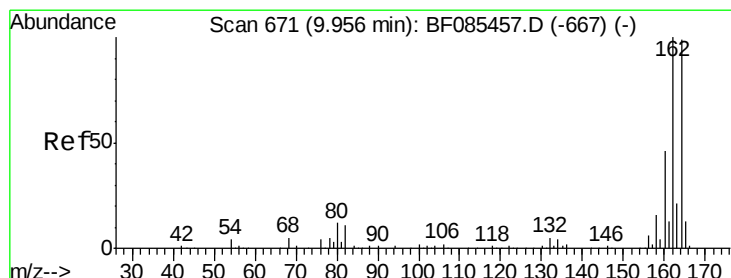
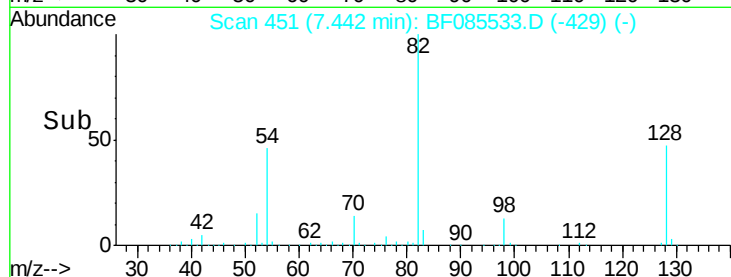
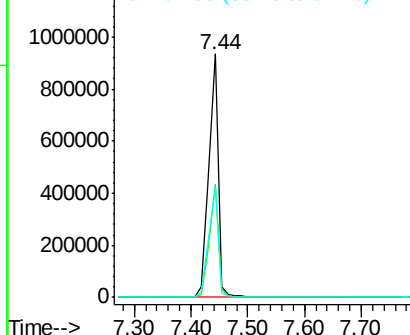
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.91 min Scan# 667

Delta R.T. -0.05 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

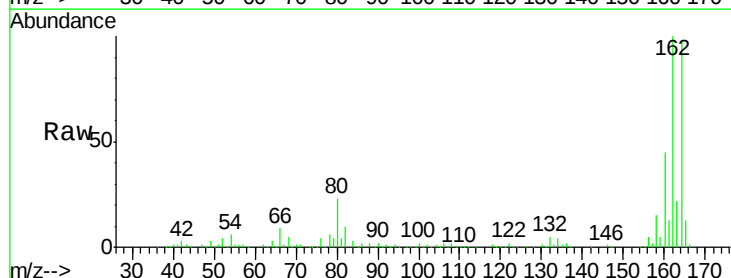
Tgt Ion: 164 Resp: 209536

Ion Ratio Lower Upper

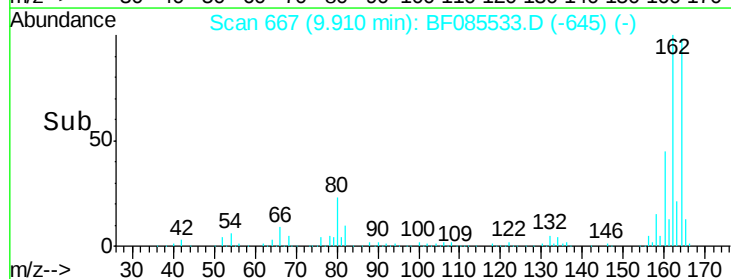
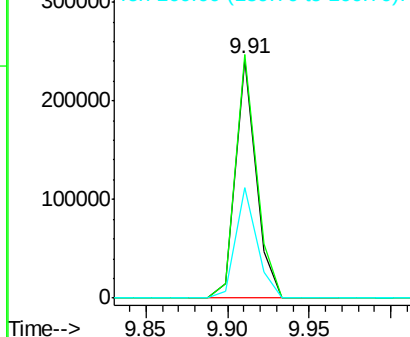
164 100

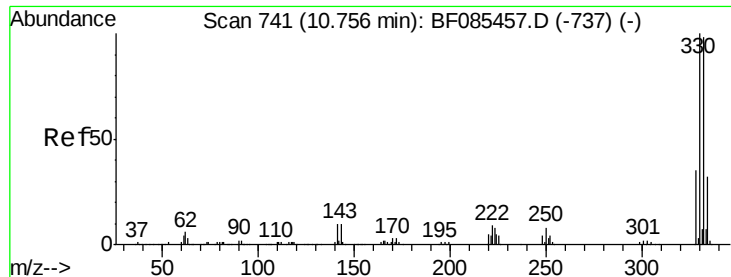
162 102.0 83.3 124.9

160 46.2 37.9 56.9



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





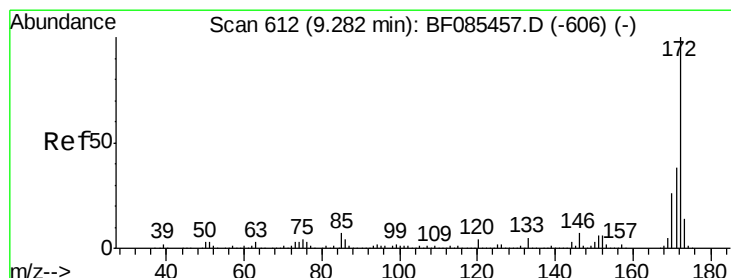
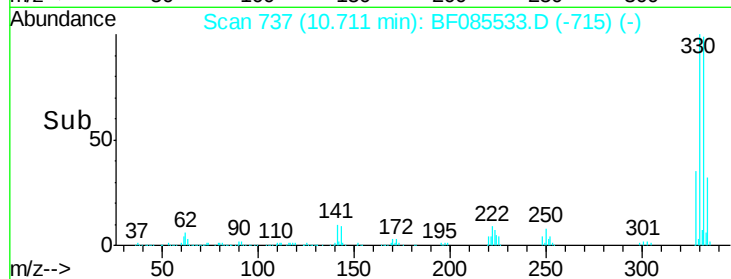
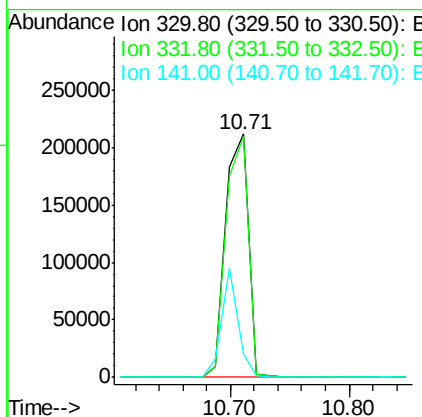
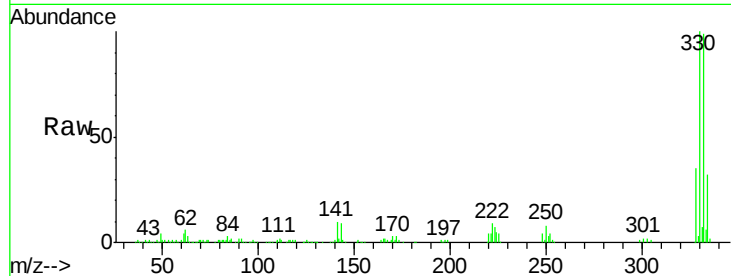
#41
 2,4,6-Tribromophenol
 Concen: 145.48 ng
 RT: 10.71 min Scan# 737
 Delta R.T. -0.05 min
 Lab File: BF085533.D
 Acq: 18 Mar 2016 12:29

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-07-COMP(0.5-4.0)RE

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	280758		
332	97.7	77.1	115.7	
141	32.8	35.0	52.6#	

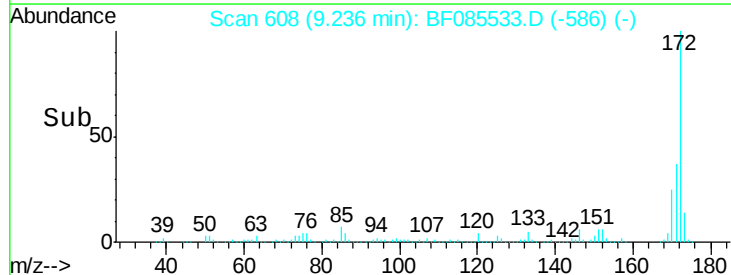
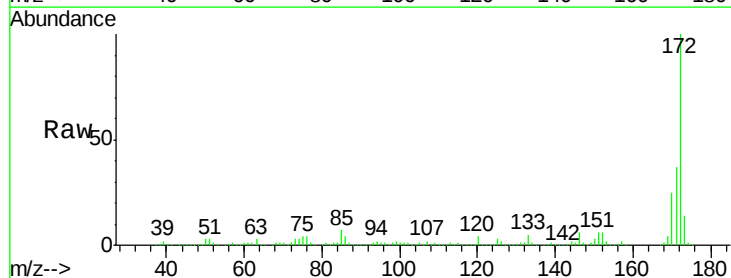
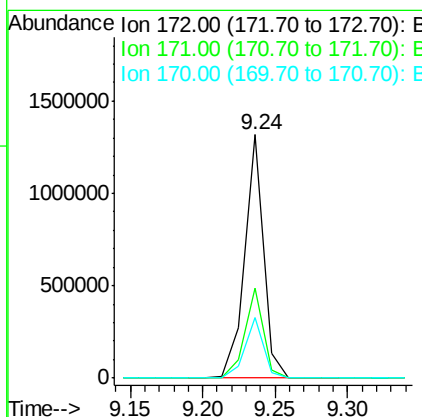
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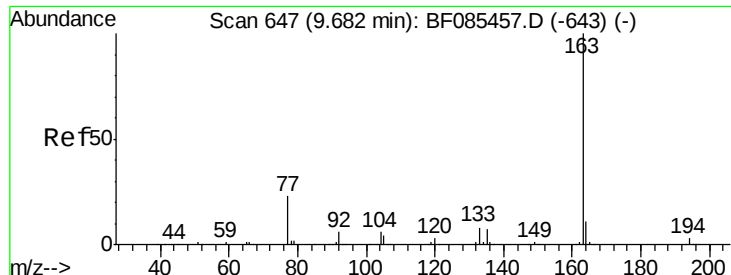
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#44
 2-Fluorobiphenyl
 Concen: 98.84 ng
 RT: 9.24 min Scan# 608
 Delta R.T. -0.05 min
 Lab File: BF085533.D
 Acq: 18 Mar 2016 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1193826		
171	36.9	29.3	43.9	
170	24.6	20.0	30.0	





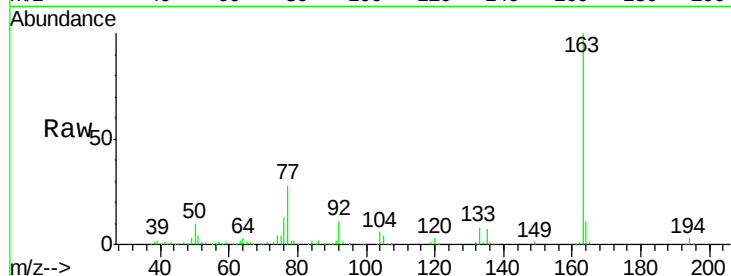
#49
Dimethylphthalate
Concen: 17.53 ng
RT: 9.62 min Scan# 642
Delta R.T. -0.06 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-07-COMP(0.5-4.0)RE

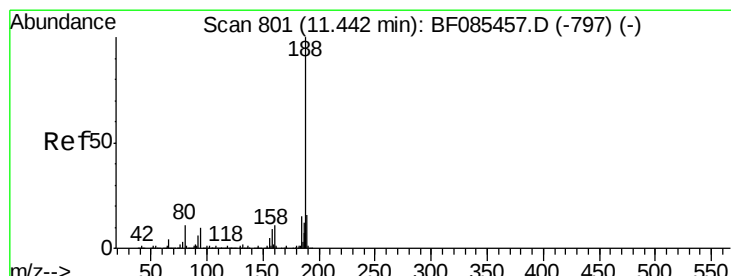
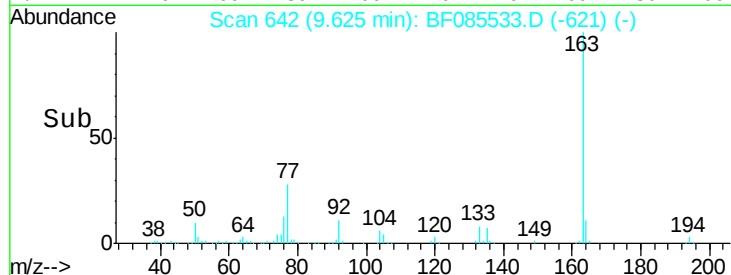
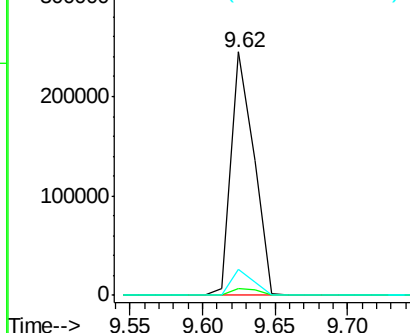
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.0	3.1	4.7#
164	10.5	8.2	12.4

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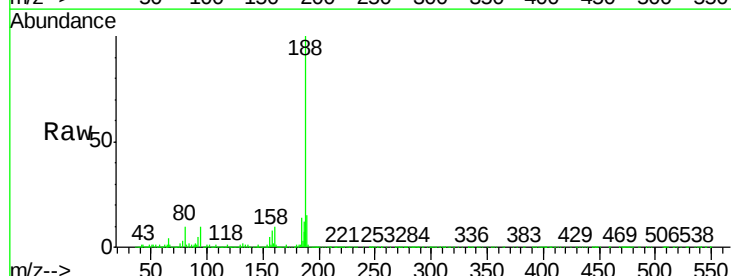


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

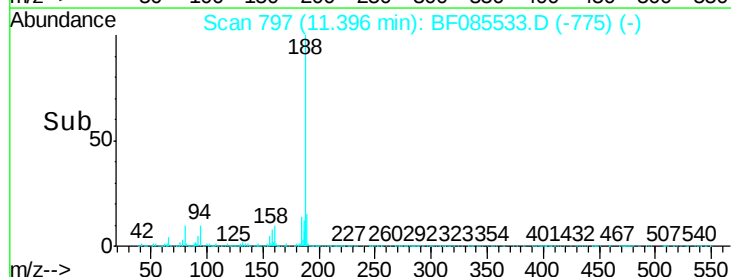
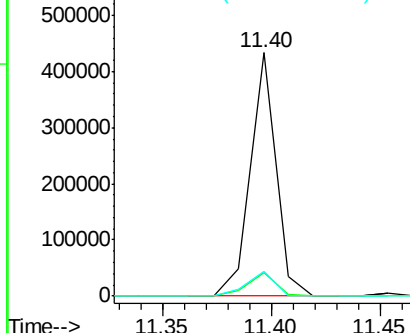


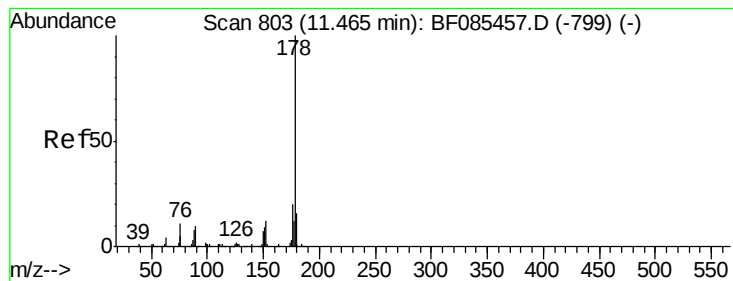
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.05 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.8	7.0	10.6
80	10.1	7.4	11.0



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: 3.97 ng

RT: 11.42 min Scan# 799

Delta R.T. -0.05 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

Instrument :

BNA_F

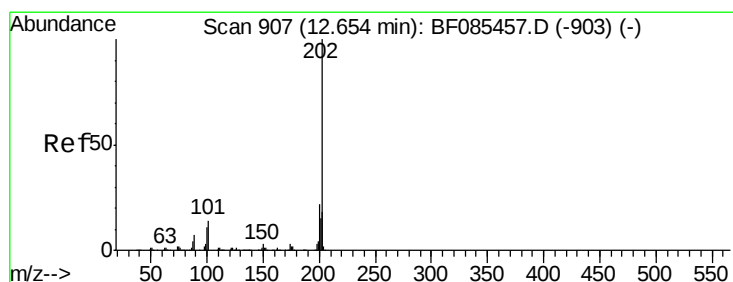
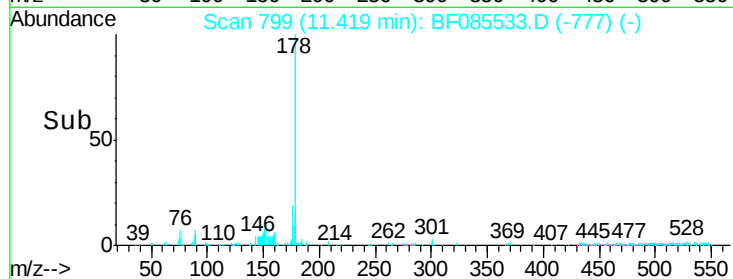
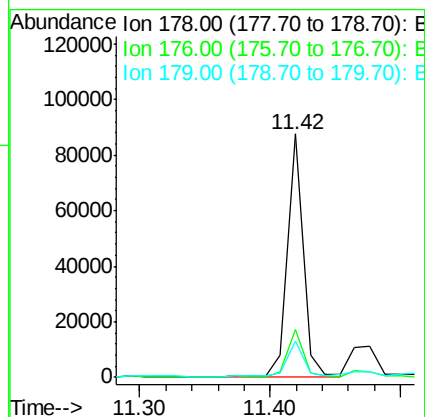
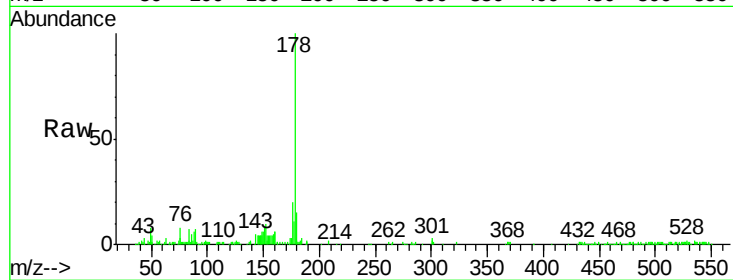
ClientSampleId :

W170TH-SB-07-COMP(0.5-4.0)RE

Tgt Ion:	178	Resp:	73658
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.8	25.2
179	14.9	13.1	19.7

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#74

Fluoranthene

Concen: 10.85 ng

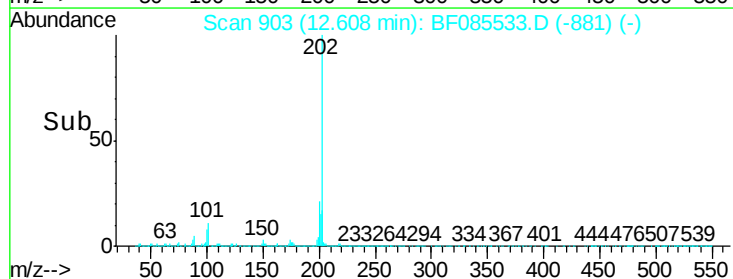
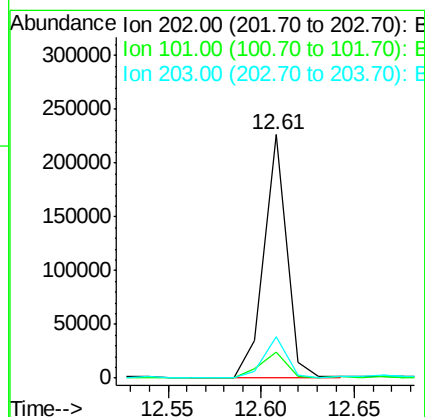
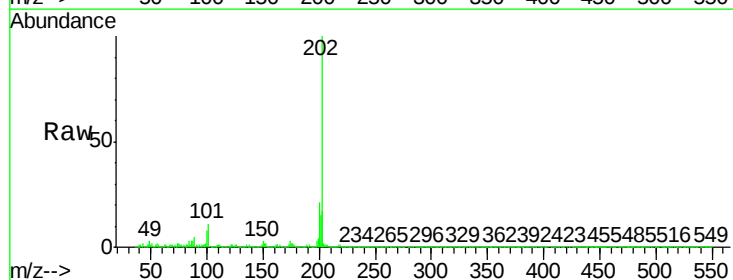
RT: 12.61 min Scan# 903

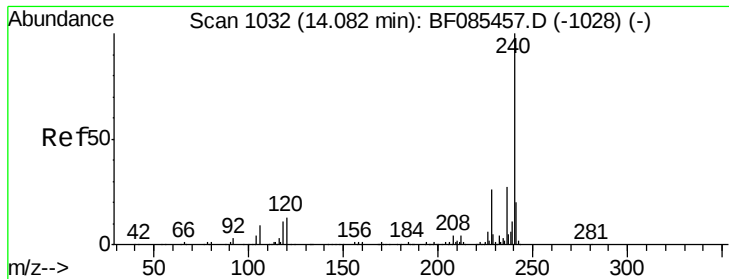
Delta R.T. -0.05 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

Tgt Ion:	202	Resp:	189431
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	31.8
203	17.2	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1028

Delta R.T. -0.05 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

Instrument :

BNA_F

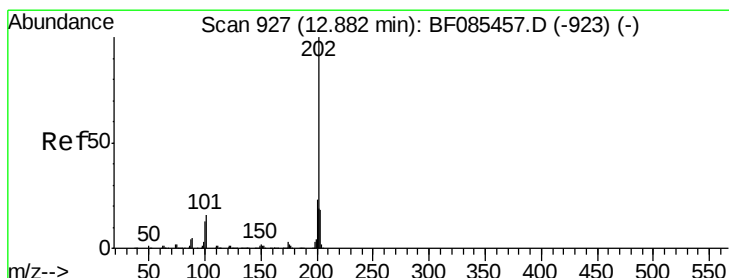
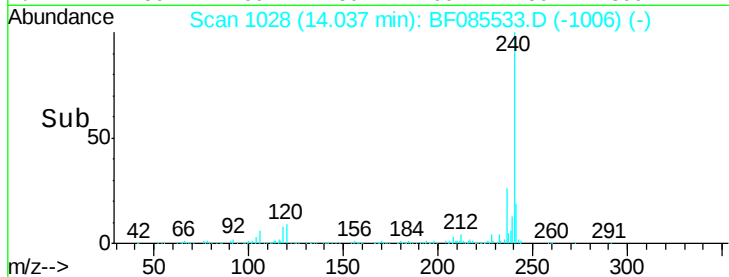
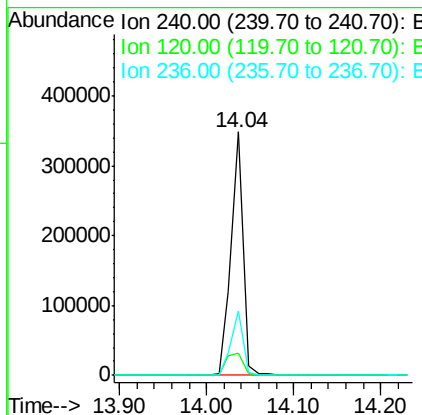
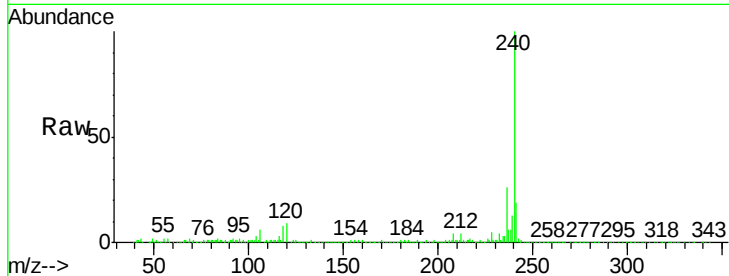
ClientSampleId :

W170TH-SB-07-COMP(0.5-4.0)RE

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	335915		
120	9.3	5.3	7.9#	
236	26.3	20.7	31.1	

Manual Integrations
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#77

Pyrene

Concen: 7.47 ng

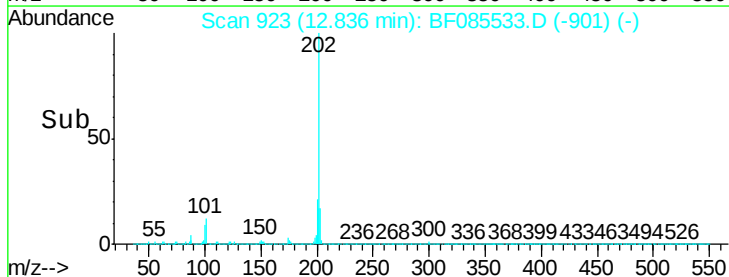
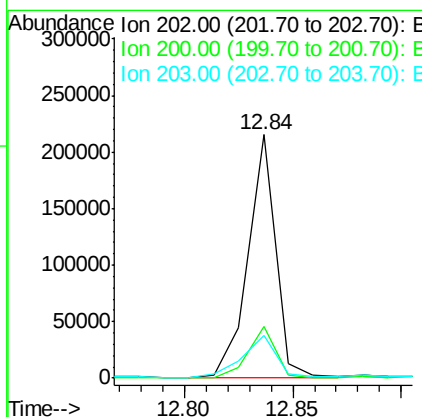
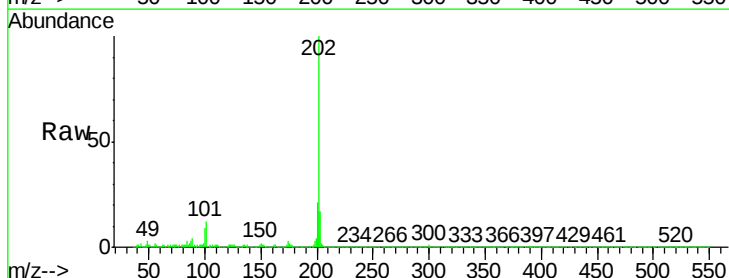
RT: 12.84 min Scan# 923

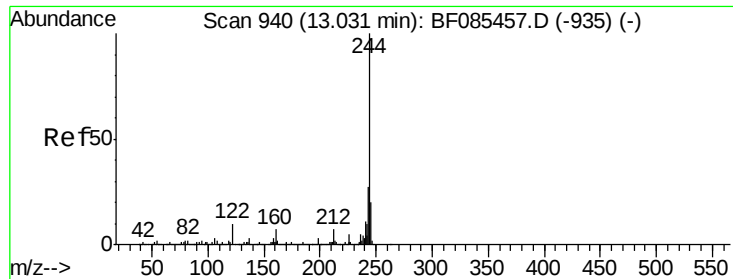
Delta R.T. -0.05 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	188253		
200	21.0	18.2	27.4	
203	17.4	14.7	22.1	





#78

Terphenyl-d14

Concen: 68.64 ng

RT: 12.99 min Scan# 936

Delta R.T. -0.05 min

Lab File: BF085533.D

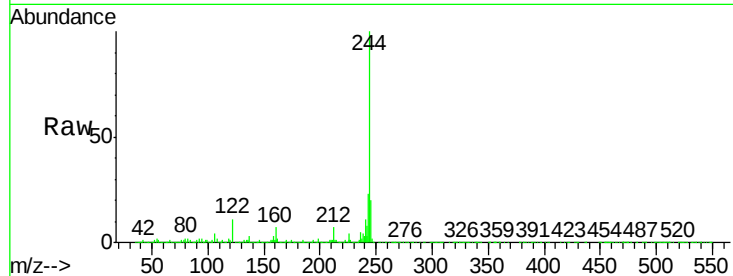
Acq: 18 Mar 2016 12:29

Instrument :

BNA_F

ClientSampleId :

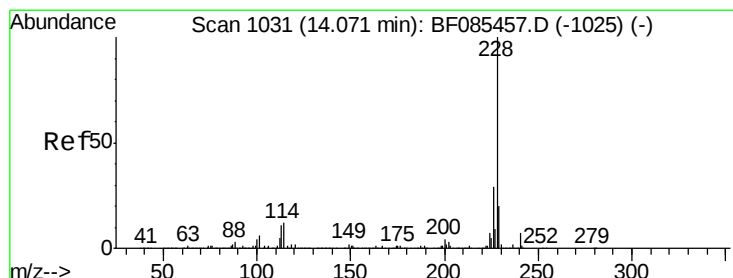
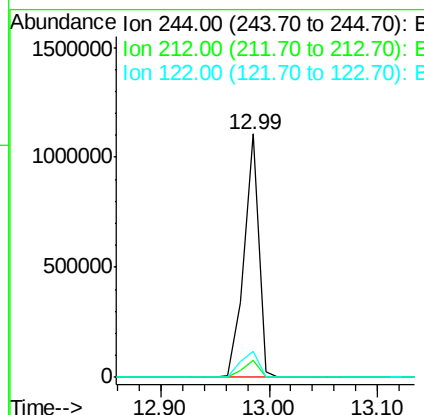
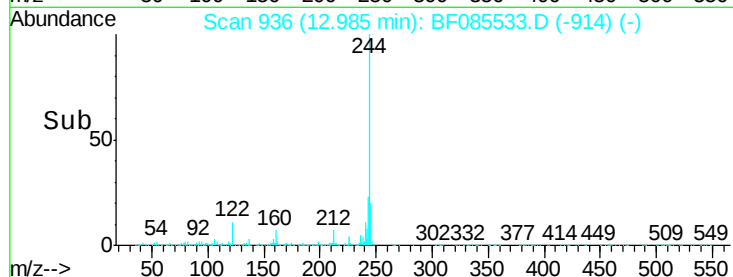
W170TH-SB-07-COMP(0.5-4.0)RE



Tgt Ion:	244	Resp:	1019303
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.4	9.6
122	10.6	11.4	17.2#

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#80

Benzo(a)anthracene

Concen: 5.46 ng m

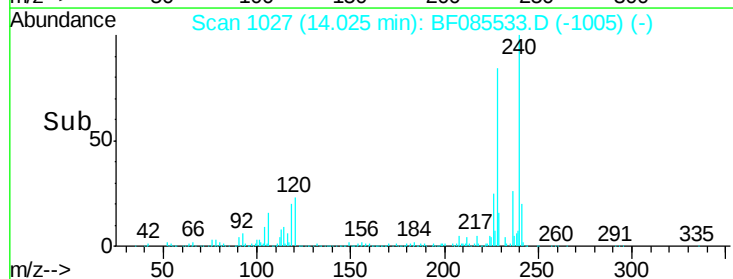
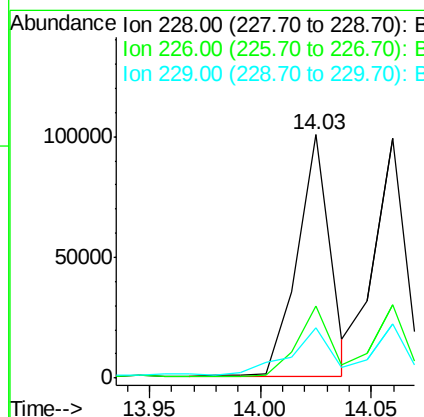
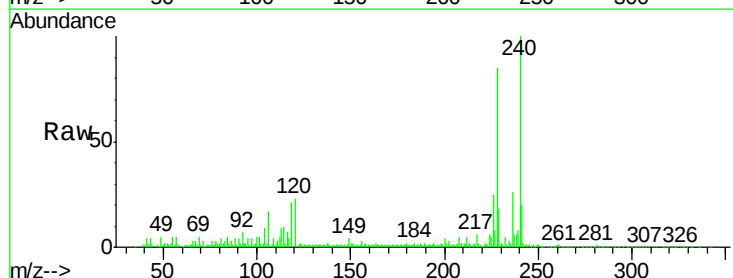
RT: 14.03 min Scan# 1027

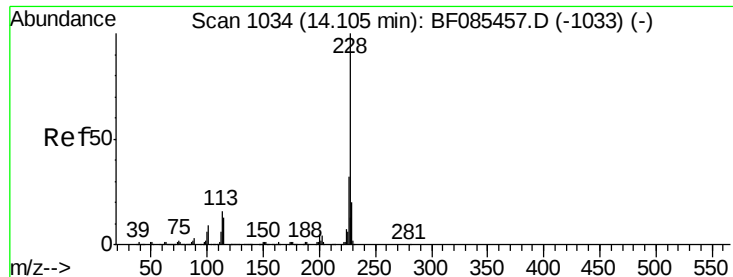
Delta R.T. -0.05 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

Tgt Ion:	228	Resp:	105242
Ion Ratio	Lower	Upper	
228	100		
226	29.8	22.8	34.2
229	20.9	16.6	24.8





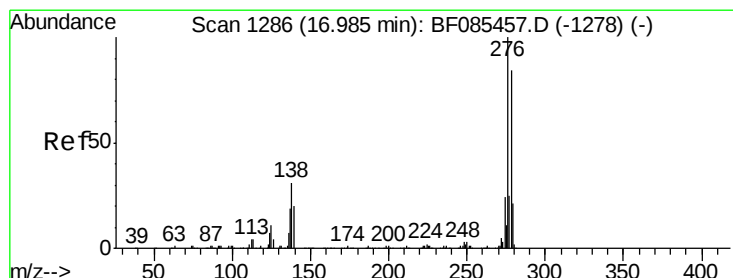
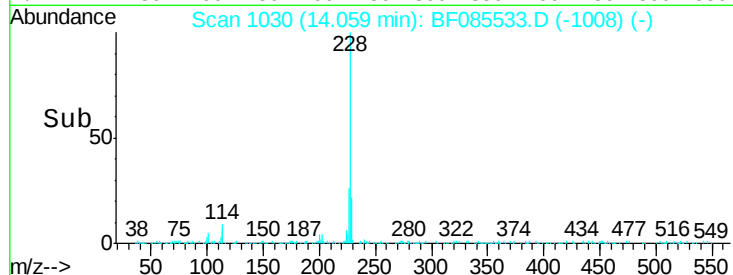
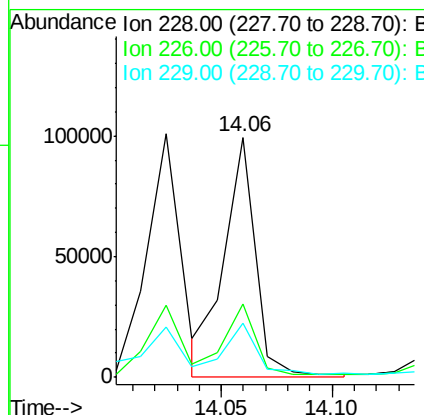
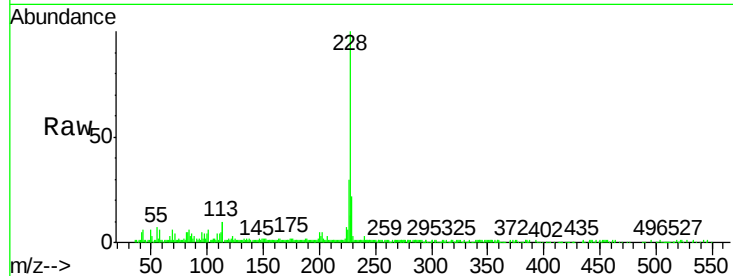
#82
Chrysene
Concen: 5.64 ng m
RT: 14.06 min Scan# 1030
Delta R.T. -0.05 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-07-COMP(0.5-4.0)RE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.2	37.8
229	22.4	16.0	24.0

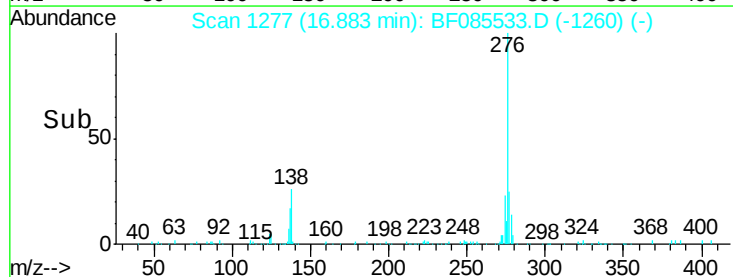
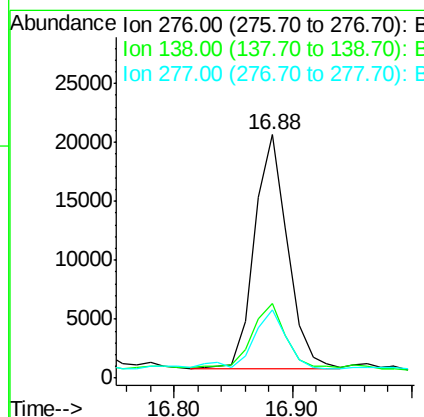
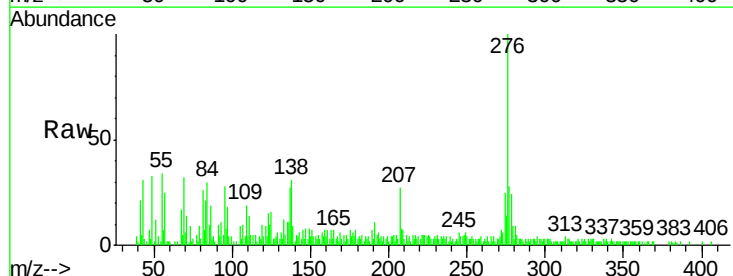
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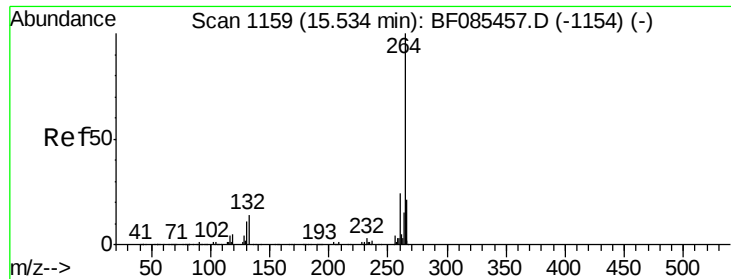
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.35 ng
RT: 16.88 min Scan# 1277
Delta R.T. -0.10 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.6	26.4	39.6
277	30.2	20.2	30.2





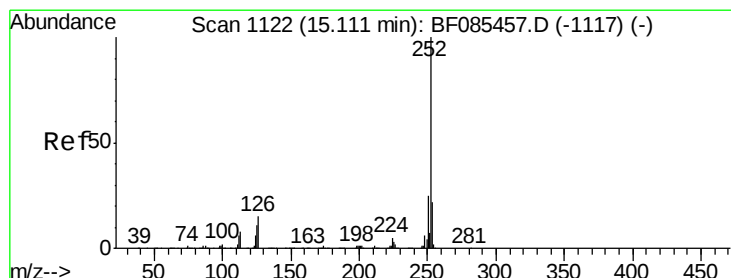
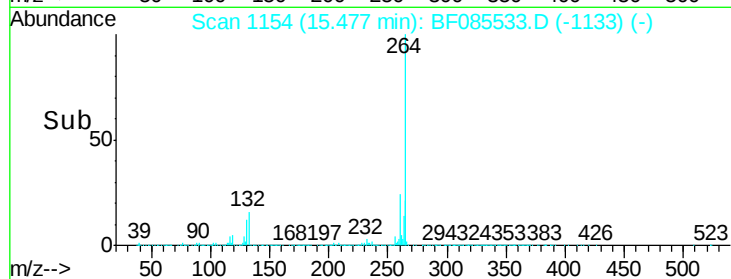
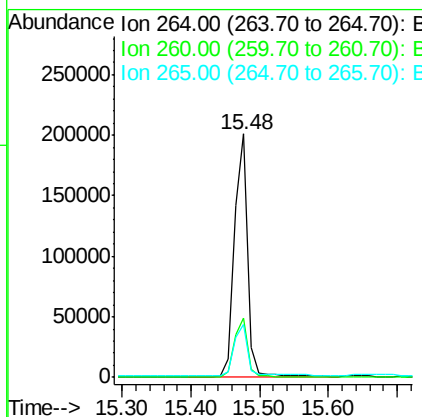
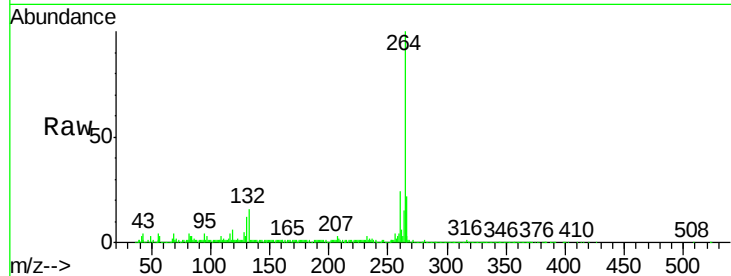
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1154
Delta R.T. -0.06 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-07-COMP(0.5-4.0)RE

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	269331		
260	24.1	19.2	28.8	
265	21.7	17.3	25.9	

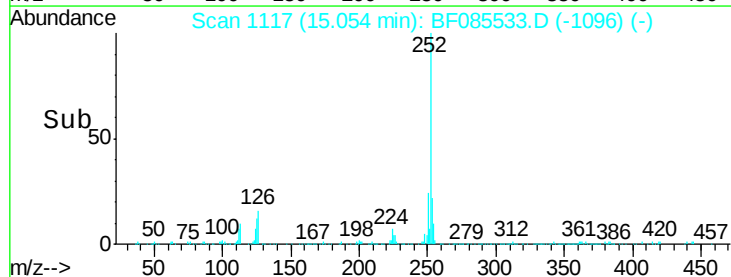
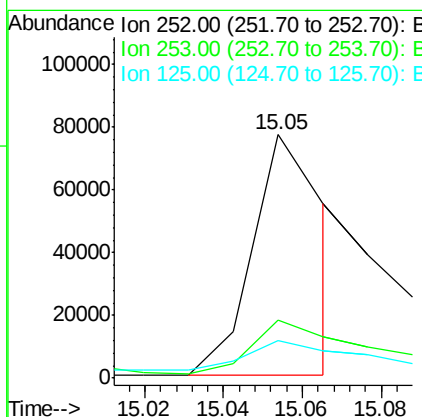
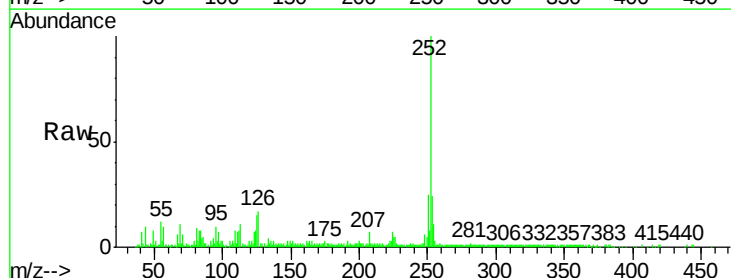
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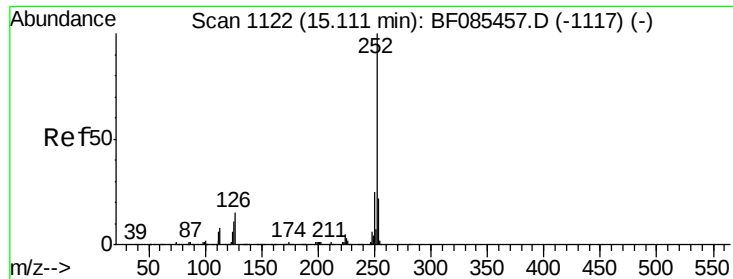
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#87
Benzo(b)fluoranthene
Concen: 5.68 ng m
RT: 15.05 min Scan# 1117
Delta R.T. -0.06 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	99983		
253	23.6	17.8	26.6	
125	15.3	11.3	16.9	





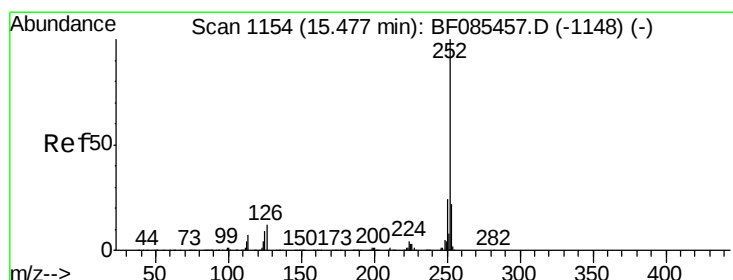
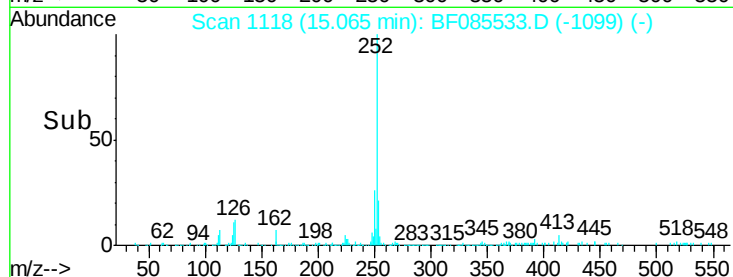
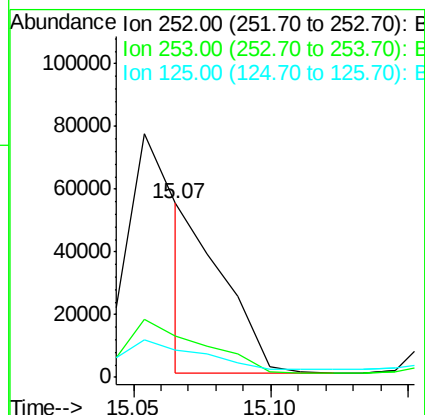
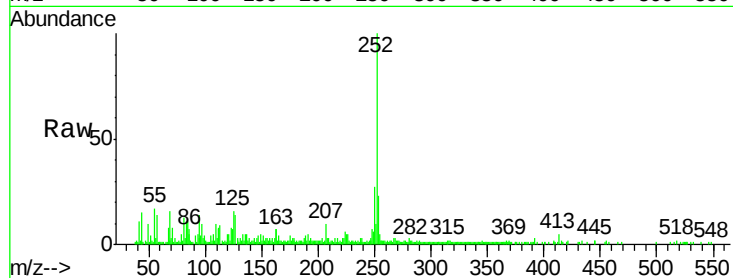
#88
Benzo(k)fluoranthene
Concen: 3.26 ng m
RT: 15.07 min Scan# 1118
Delta R.T. -0.08 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-07-COMP(0.5-4.0)RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	15.8	10.4	15.6

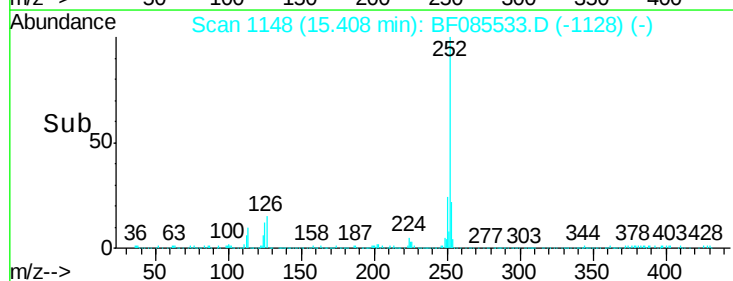
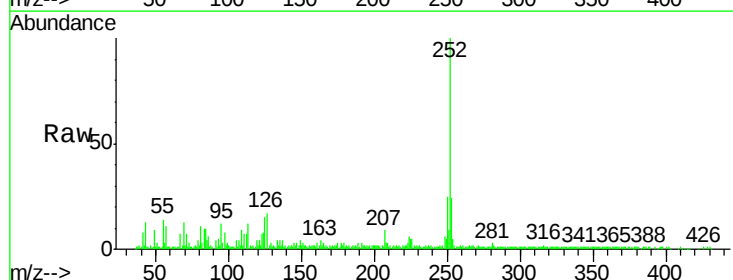
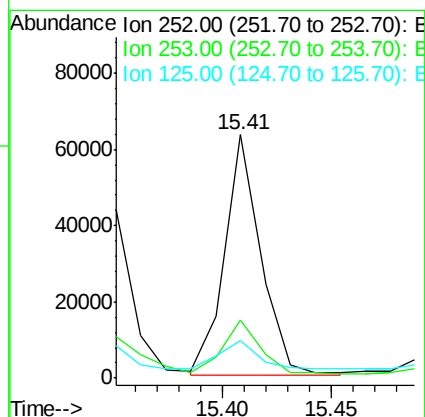
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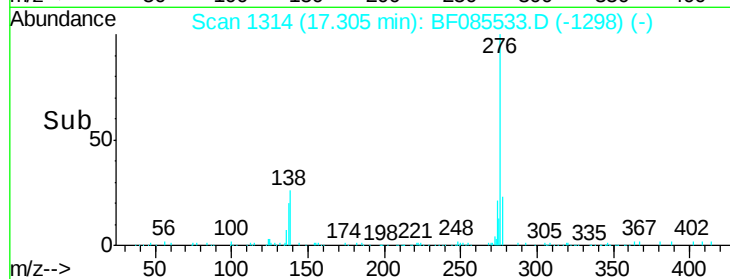
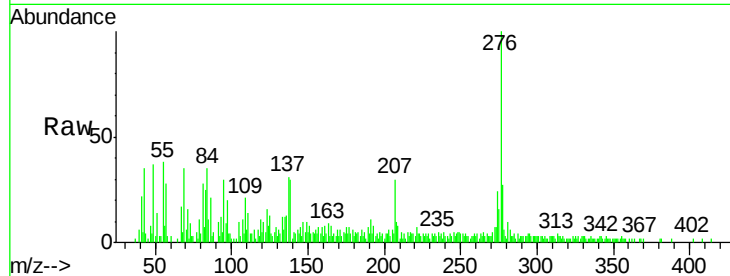
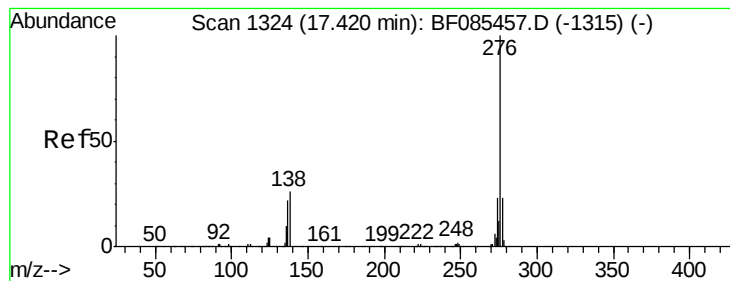
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#89
Benzo(a)pyrene
Concen: 4.77 ng
RT: 15.41 min Scan# 1148
Delta R.T. -0.07 min
Lab File: BF085533.D
Acq: 18 Mar 2016 12:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	15.5	8.2	12.4





#91

Benzo(g,h,i)perylene

Concen: 2.48 ng

RT: 17.31 min Scan# 1314

Delta R.T. -0.11 min

Lab File: BF085533.D

Acq: 18 Mar 2016 12:29

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-07-COMP(0.5-4.0)RE

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	19.0	28.4
138	30.1	22.5	33.7

Manual Integrations
APPROVED

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