

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
 Data File : BF091583.D
 Acq On : 14 Dec 2016 13:56
 Operator : UM/SJ
 Sample : H5994-04DL 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(6-8)-12-9-16DL

Manual Integrations
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Quant Time: Dec 15 13:42:41 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	265744	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	1106028	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	499248	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	703956	20.00	ng	-0.01
75) Chrysene-d12	13.96	240	489989	20.00	ng	0.00
86) Perylene-d12	15.37	264	561424	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	572114	36.27	ng	-0.02
7) Phenol-d6	6.43	99	674719	34.31	ng	-0.02
23) Nitrobenzene-d5	7.36	82	402854	20.33	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	130833	31.55	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	729541	25.25	ng	-0.02
78) Terphenyl-d14	12.91	244	465809	21.57	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	84144m	2.66	ng	
51) Acenaphthene	9.87	154	125783m	4.24	ng	
54) Dibenzofuran	10.04	168	94595m	2.58	ng	
70) Phenanthrene	11.34	178	1253706	35.96	ng	99
71) Anthracene	11.39	178	365510	9.72	ng	97
74) Fluoranthene	12.53	202	1031469	28.26	ng	99
77) Pyrene	12.76	202	1138297	29.28	ng	99
80) Benzo(a)anthracene	13.95	228	476186	16.73	ng	99
82) Chrysene	13.99	228	422839	14.20	ng	97
85) Indeno(1,2,3-cd)pyrene	16.74	276	243899	9.10	ng	95
87) Benzo(b)fluoranthene	14.97	252	426885m	12.76	ng	
88) Benzo(k)fluoranthene	14.98	252	202313m	6.87	ng	
89) Benzo(a)pyrene	15.31	252	412945	13.70	ng	99
90) Dibenzo(a,h)anthracene	16.75	278	54515m	2.02	ng	
91) Benzo(a,h,i)perylene	17.15	276	265510	9.66	ng	96

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

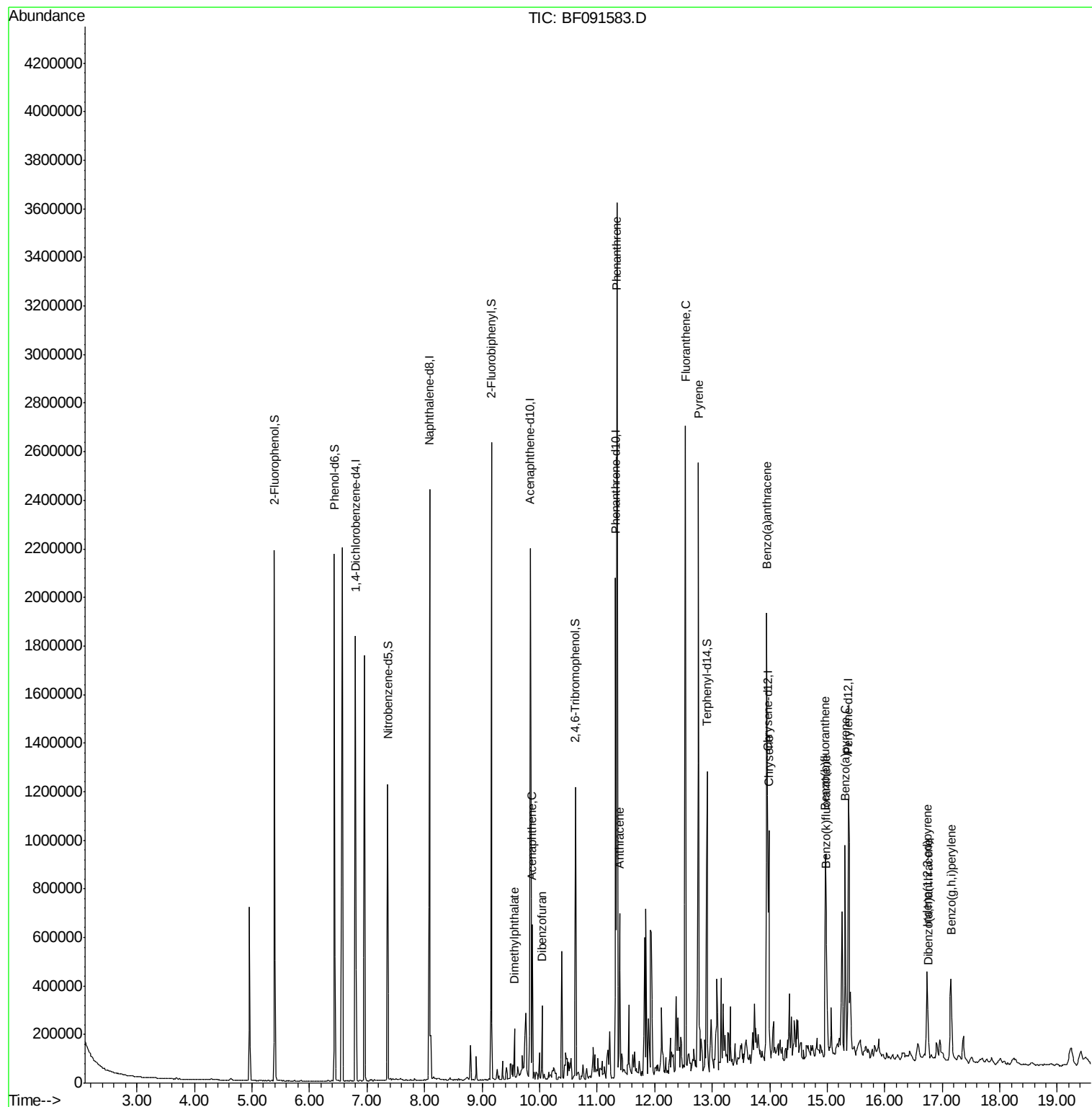
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091583.D
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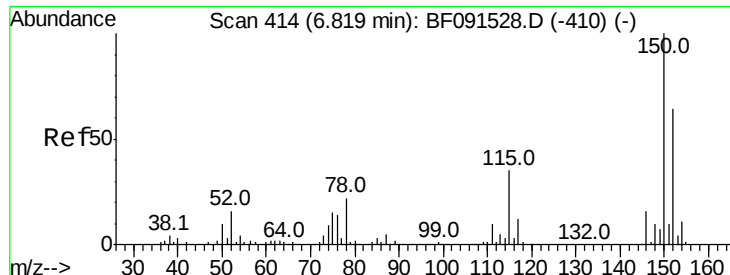
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
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QLast Update : Fri Dec 09 19:00:21 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.02 min

Lab File: BF091583.D

Acq: 14 Dec 2016 13:56

Instrument :

BNA_F

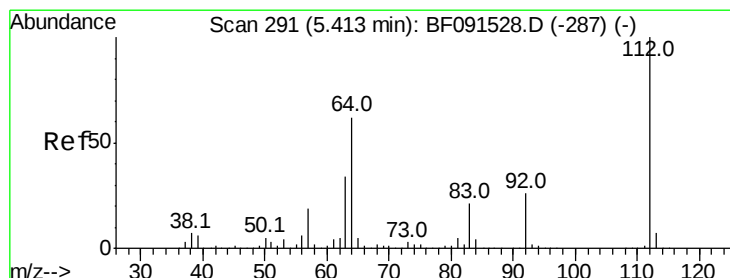
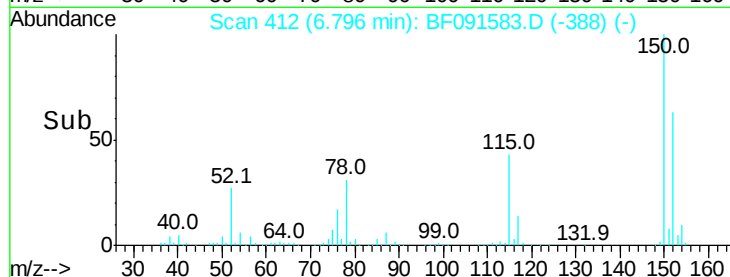
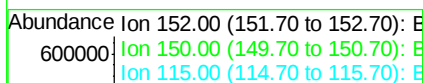
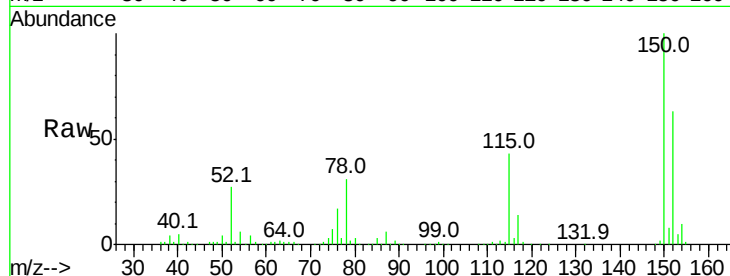
ClientSampleId :

SB-49(6-8)-12-9-16DL

Tot Ion:	152	Resp:	265744
Ion Ratio	Lower	Upper	
152	100		
150	157.8	122.5	183.7
115	67.7	51.8	77.8

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#5

2-Fluorophenol

Concen: 36.27 ng

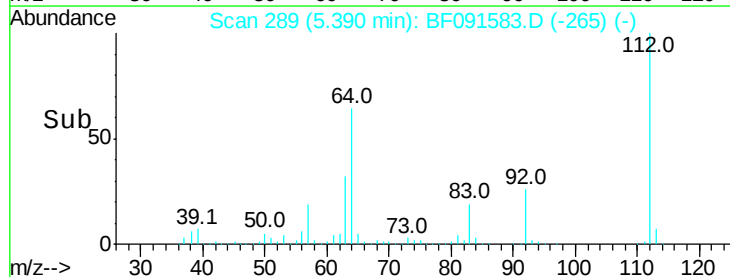
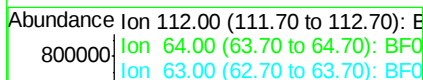
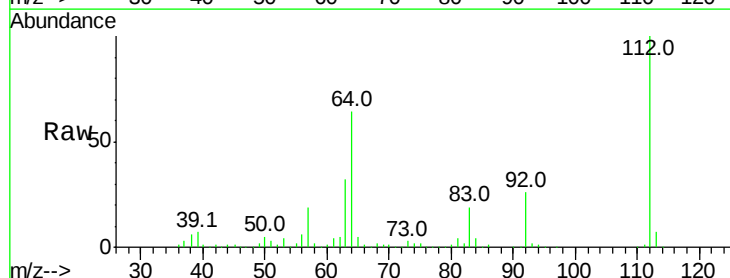
RT: 5.39 min Scan# 289

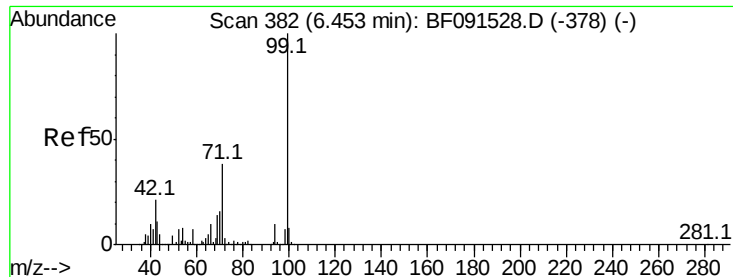
Delta R.T. -0.02 min

Lab File: BF091583.D

Acq: 14 Dec 2016 13:56

Tgt Ion:	112	Resp:	572114
Ion Ratio	Lower	Upper	
112	100		
64	64.2	61.5	92.3
63	32.2	33.3	49.9#





#7

Phenol-d6

Concen: 34.31 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF091583.D

Acq: 14 Dec 2016 13:56

Instrument :

BNA_F

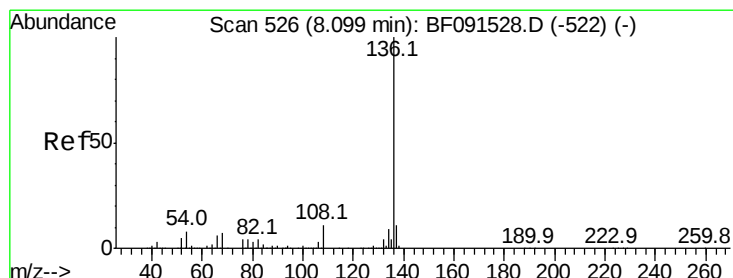
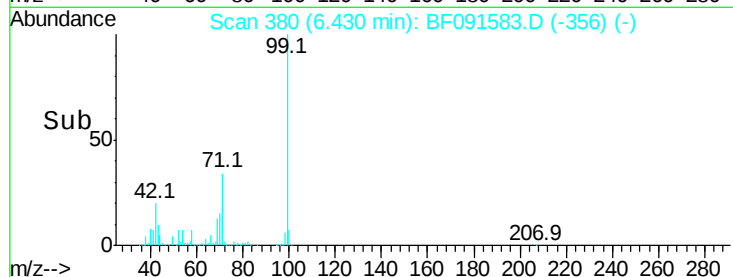
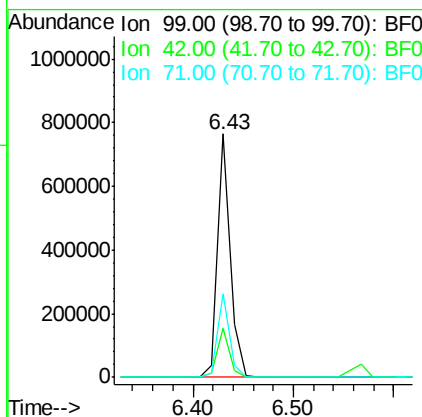
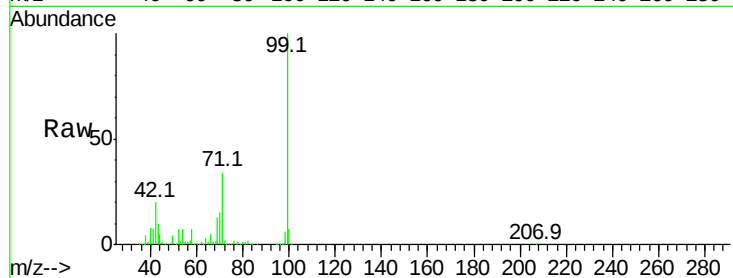
ClientSampleId :

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Tot Ion:	99	Resp:	674719
Ion Ratio	Lower	Upper	
99	100		
42	20.0	20.6	31.0#
71	34.4	29.9	44.9

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#21

Naphthalene-d8

Concen: 20.00 ng

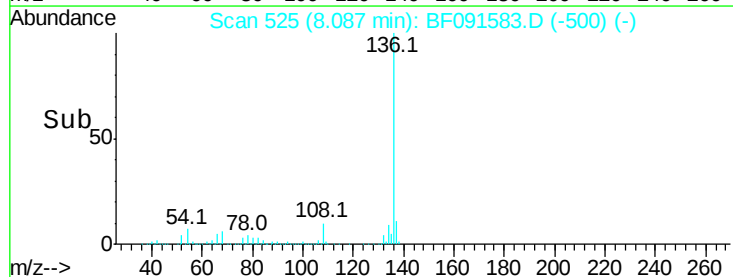
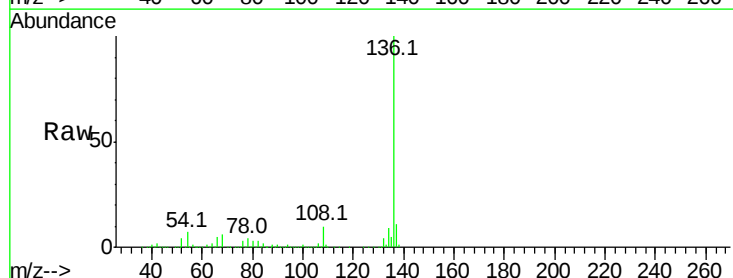
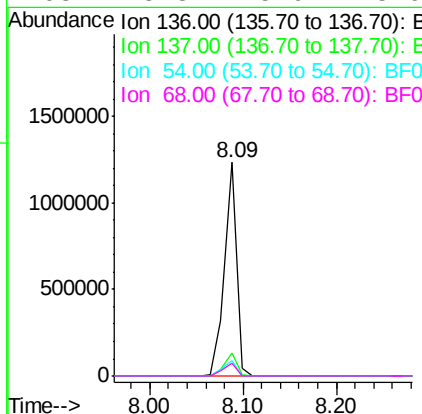
RT: 8.09 min Scan# 525

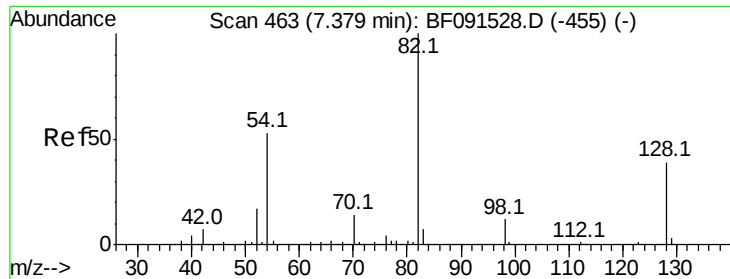
Delta R.T. -0.01 min

Lab File: BF091583.D

Acq: 14 Dec 2016 13:56

Tgt Ion:	136	Resp:	1106028
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.1	13.7
54	7.3	9.1	13.7#
68	5.8	5.9	8.9#





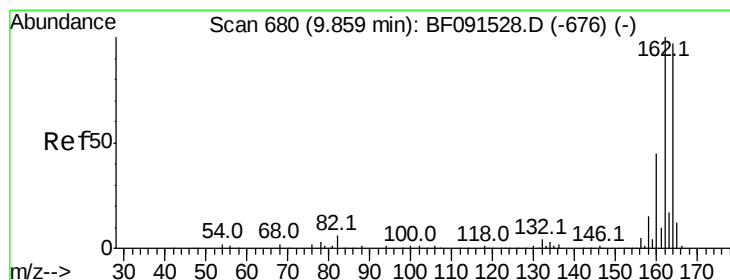
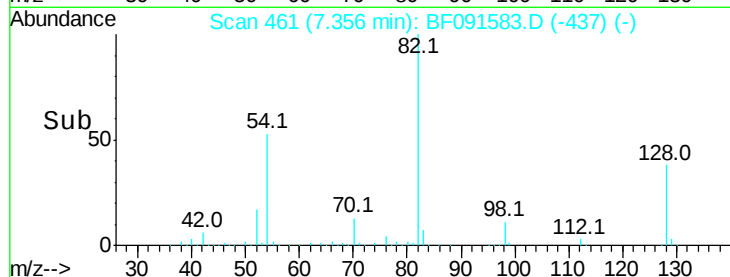
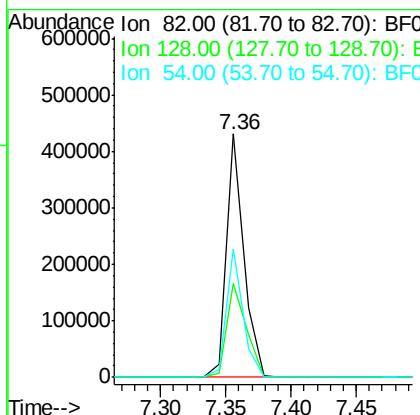
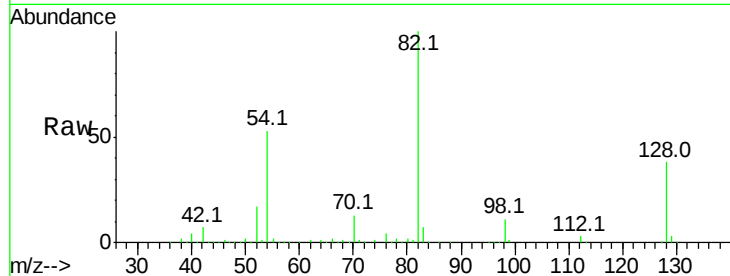
#23
 Nitrobenzene-d5
 Concen: 20.33 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: BF091583.D
 Acq: 14 Dec 2016 13:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(6-8)-12-9-16DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	38.3	31.8	47.6	
54	52.7	49.1	73.7	

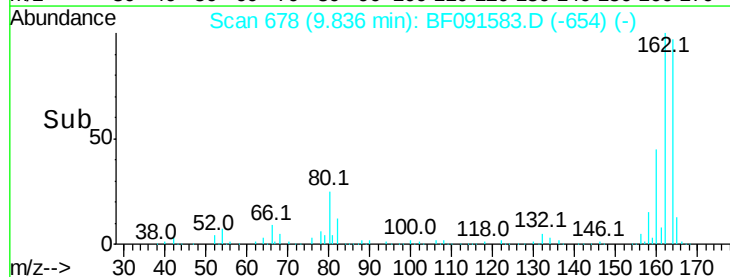
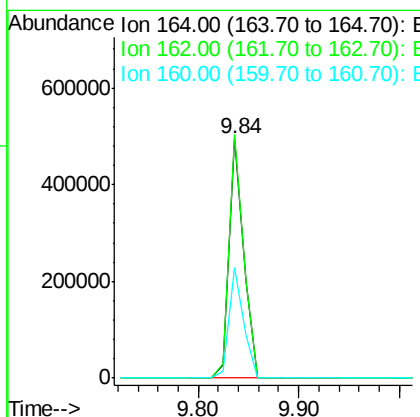
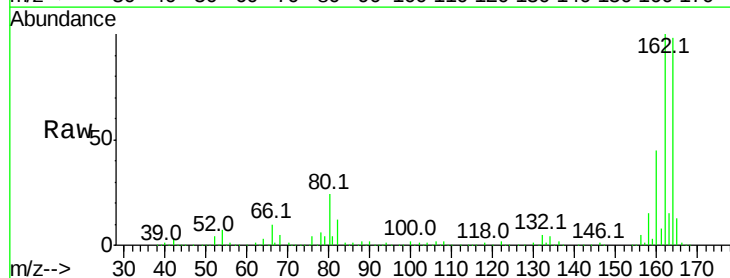
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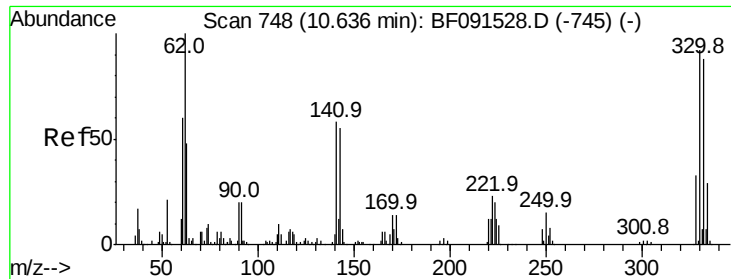
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: BF091583.D
 Acq: 14 Dec 2016 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.6	82.6	124.0	
160	46.0	36.7	55.1	





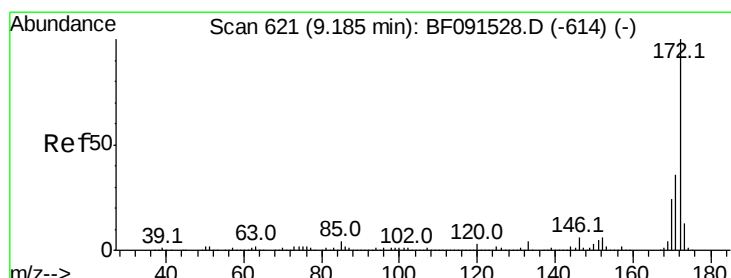
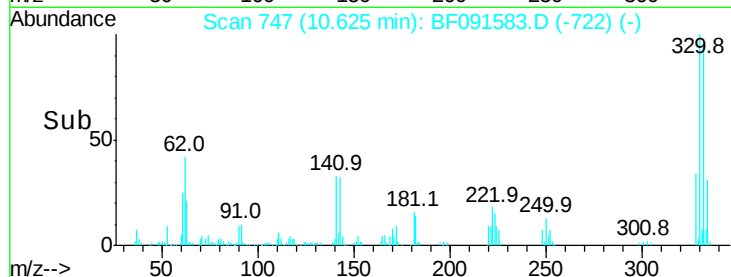
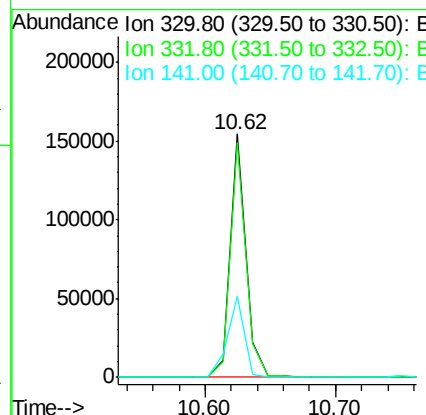
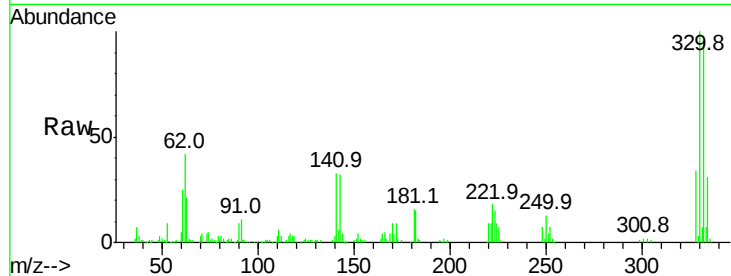
#41
 2,4,6-Tribromophenol
 Concen: 31.55 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF091583.D
 Acq: 14 Dec 2016 13:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(6-8)-12-9-16DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	76.2	114.4	
141	36.8	33.6	50.4	

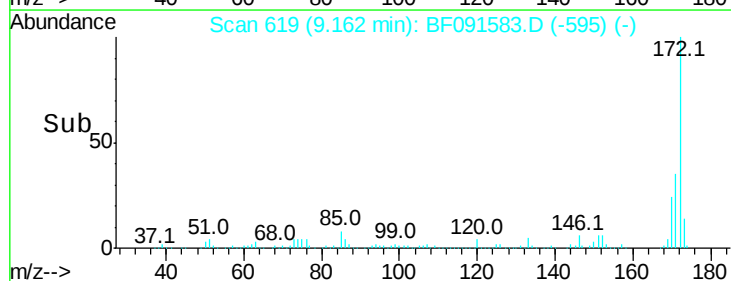
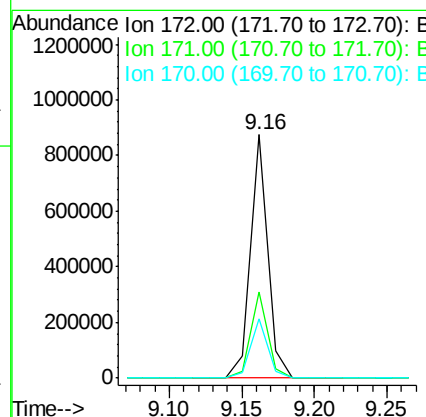
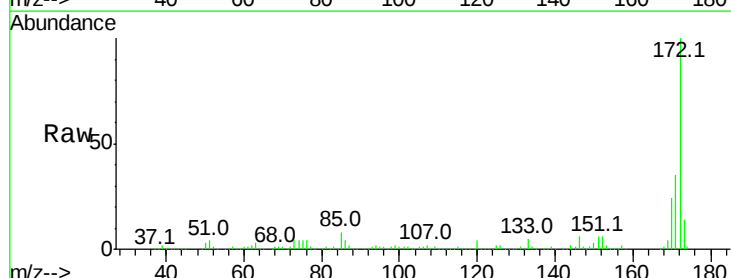
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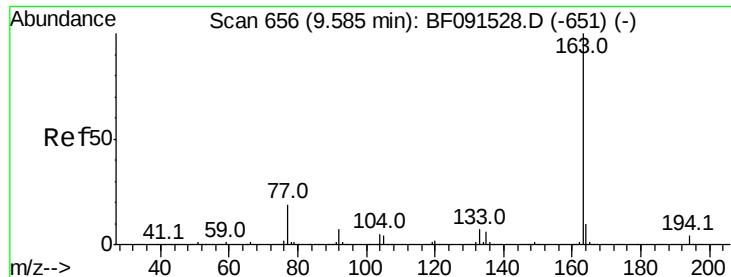
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#44
 2-Fluorobiphenyl
 Concen: 25.25 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.02 min
 Lab File: BF091583.D
 Acq: 14 Dec 2016 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.3	29.4	44.0	
170	24.1	19.7	29.5	





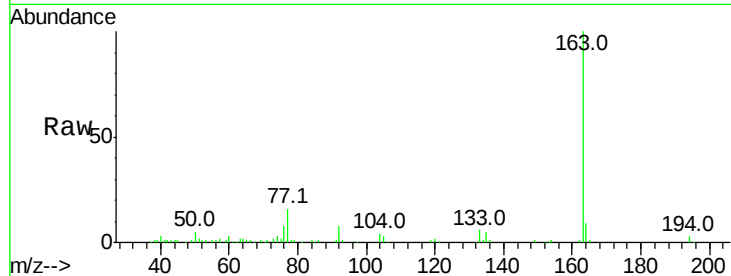
#49
Dimethylphthalate
Concen: 2.66 ng m
RT: 9.56 min Scan# 654
Delta R.T. -0.02 min
Lab File: BF091583.D
Acq: 14 Dec 2016 13:56

Instrument :
BNA_F
ClientSampleId :
SB-49(6-8)-12-9-16DL

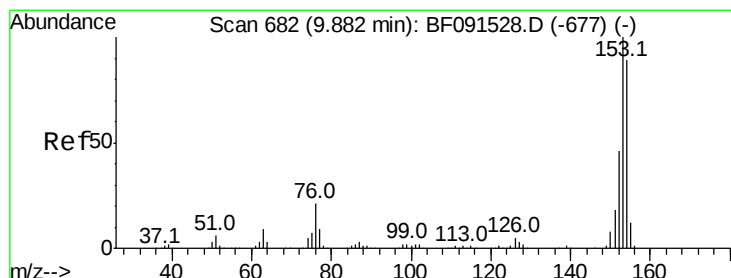
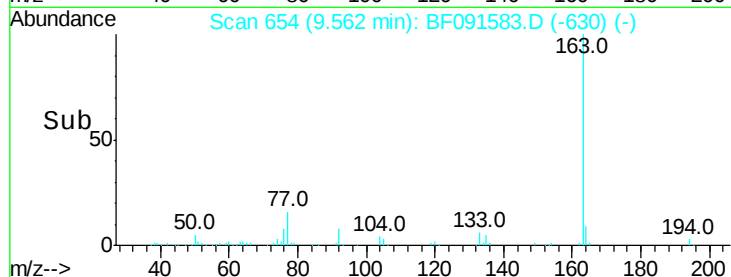
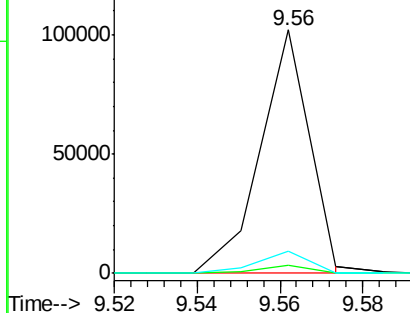
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.0	4.4
164	9.3	7.8	11.8

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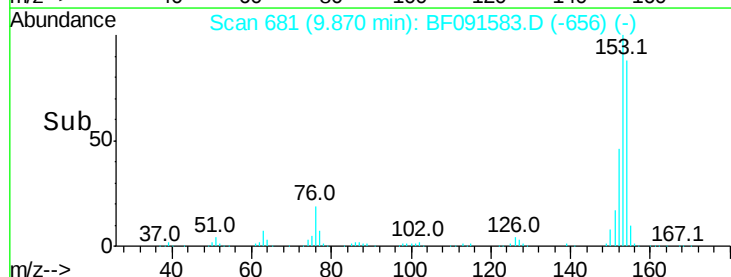
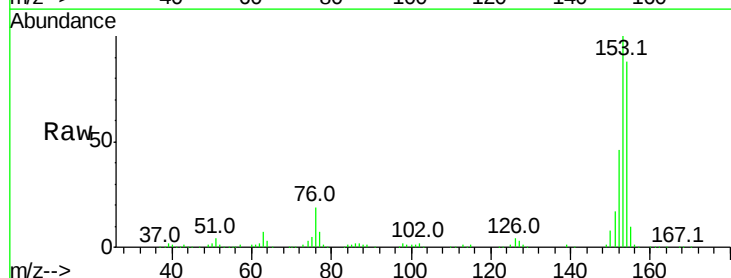
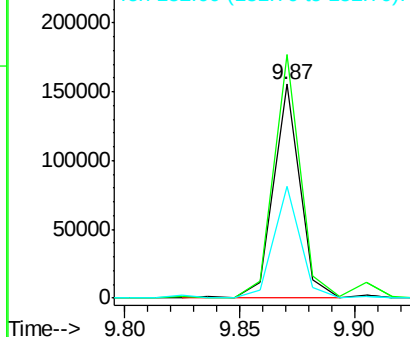
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Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

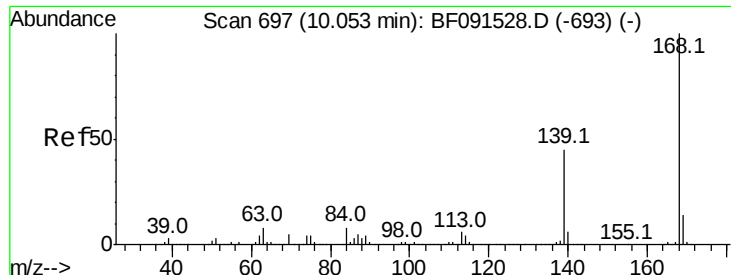


#51
Acenaphthene
Concen: 4.24 ng m
RT: 9.87 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF091583.D
Acq: 14 Dec 2016 13:56

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.0	91.0	136.6
152	52.5	44.2	66.2

Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





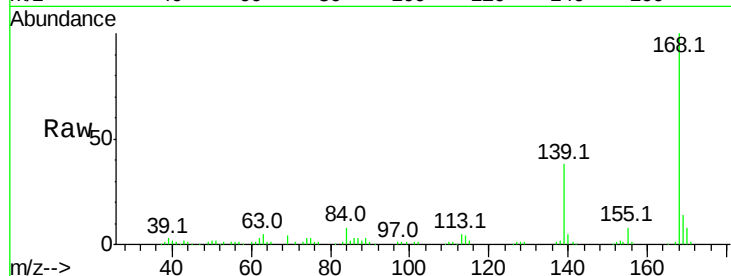
#54
Dibenzenofuran
Concen: 2.58 ng/ml
RT: 10.04 min Scan# 696
Delta R.T. -0.01 min
Lab File: BF091583.D
Acq: 14 Dec 2016 13:56

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
168	100		
139	38.5	33.4	50.2
169	14.5	11.1	16.7

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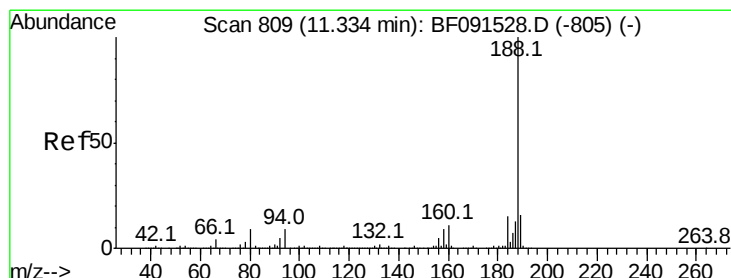
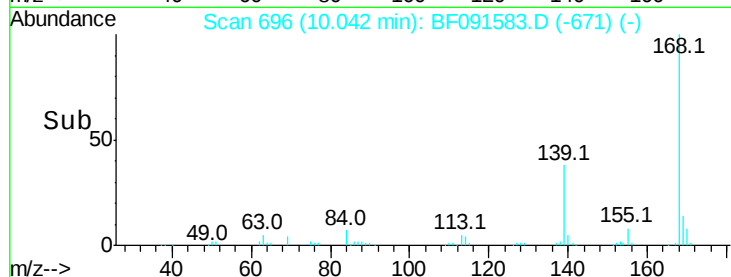
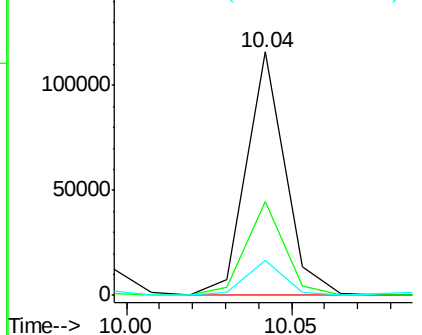


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF091583.D
Acq: 14 Dec 2016 13:56

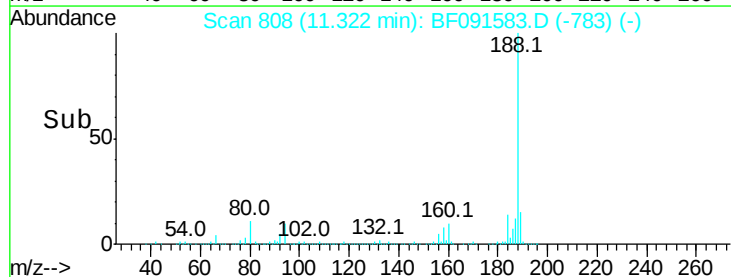
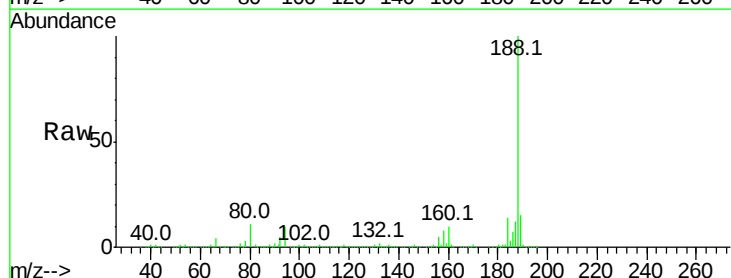
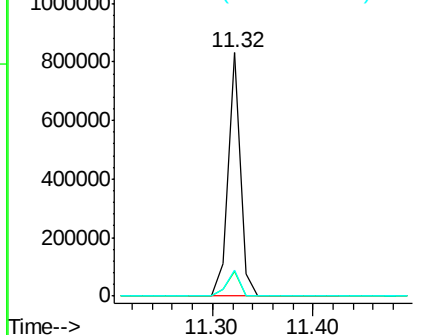
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.2	13.8
80	10.5	10.5	15.7

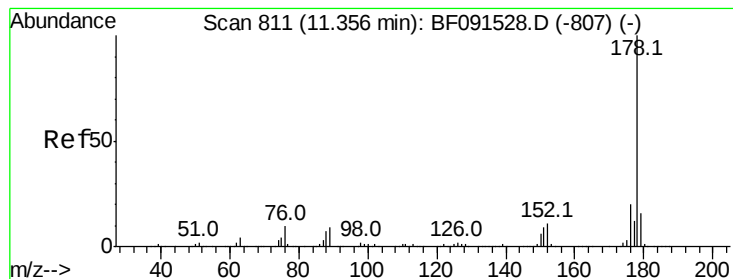
Abundance

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: 35.96 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF091583.D

Acq: 14 Dec 2016 13:56

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:178 Resp: 1253706

Ion Ratio Lower Upper

178 100

176 19.6 15.9 23.9

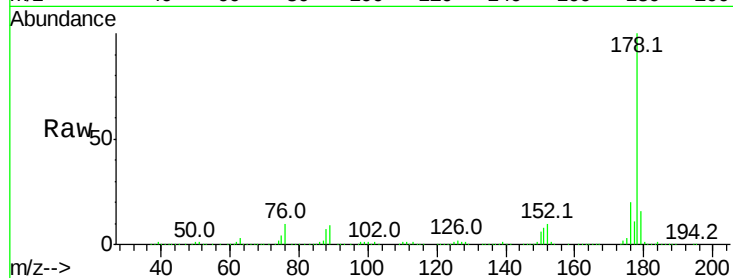
179 16.0 12.6 18.8

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Abundance Ion 178.00 (177.70 to 178.70): E

2000000 Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

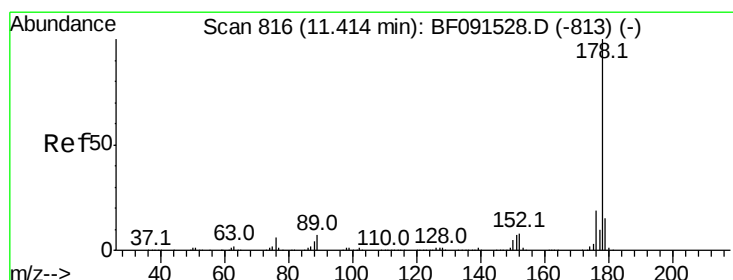
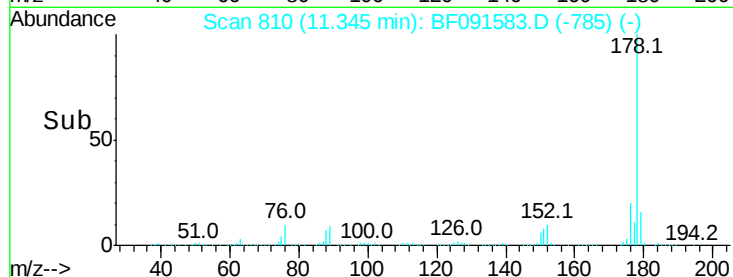
1500000

1000000

500000

0

Time--> 11.25 11.30 11.35



#71

Anthracene

Concen: 9.72 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.02 min

Lab File: BF091583.D

Acq: 14 Dec 2016 13:56

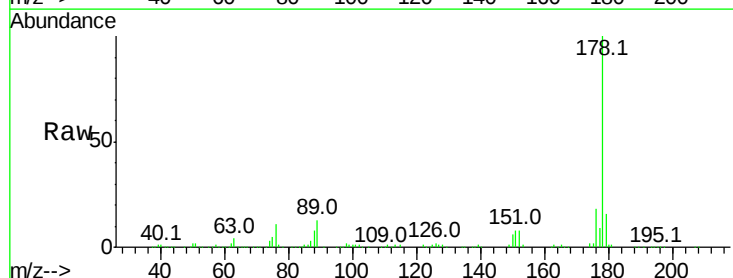
Tgt Ion:178 Resp: 365510

Ion Ratio Lower Upper

178 100

176 17.9 15.8 23.6

179 16.3 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

2000000 Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

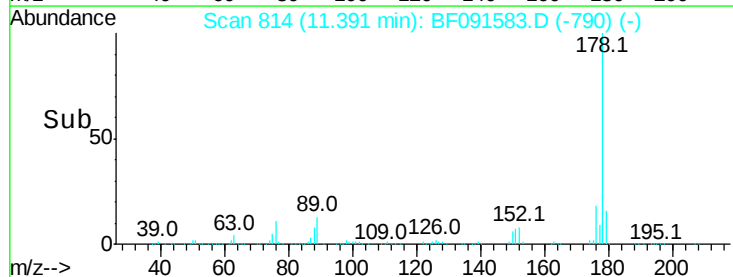
1500000

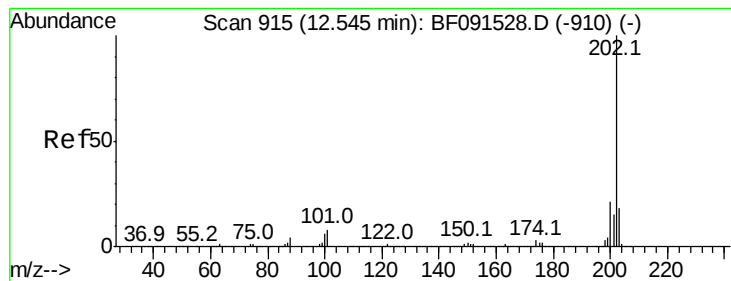
1000000

500000

0

Time--> 11.30 11.40 11.50





#74

Fluoranthene

Concen: 28.26 ng

RT: 12.53 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF091583.D

Acq: 14 Dec 2016 13:56

Instrument :

BNA_F

ClientSampleId :

SB-49(6-8)-12-9-16DL

Tot Ion:202 Resp: 1031469

Ion Ratio Lower Upper

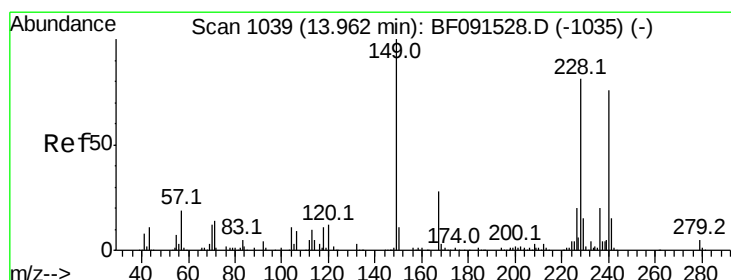
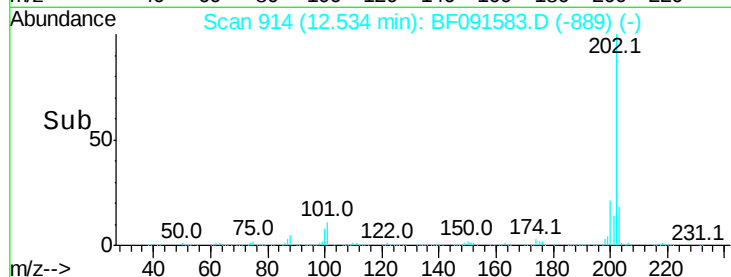
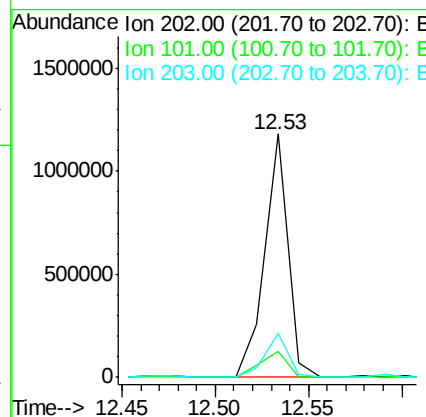
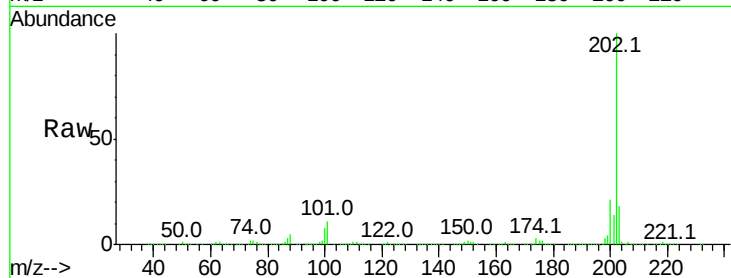
202 100

101 10.9 0.0 29.5

203 17.9 0.0 37.8

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#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF091583.D

Acq: 14 Dec 2016 13:56

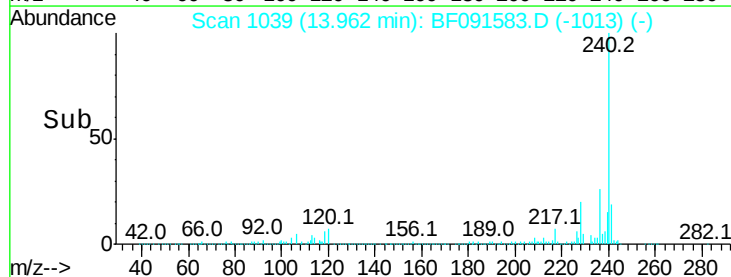
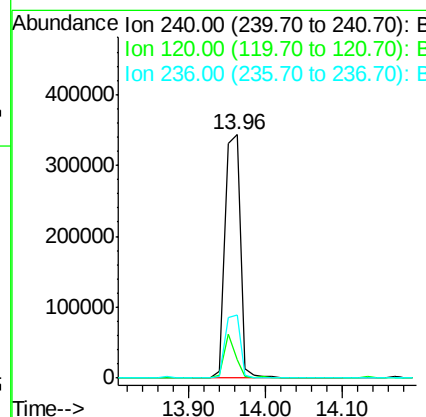
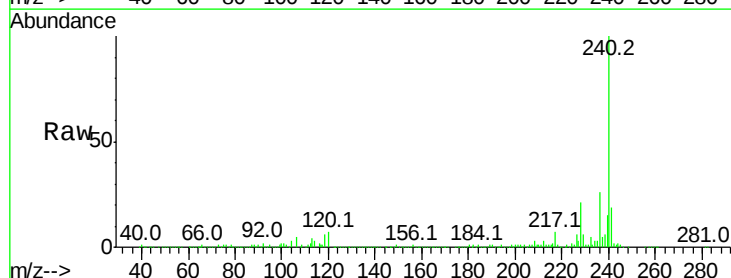
Tgt Ion:240 Resp: 489989

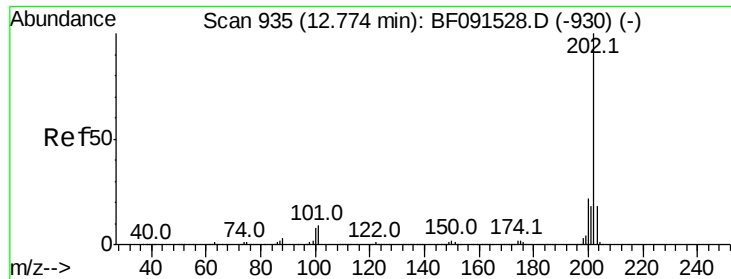
Ion Ratio Lower Upper

240 100

120 7.3 12.1 18.1#

236 25.9 21.0 31.6





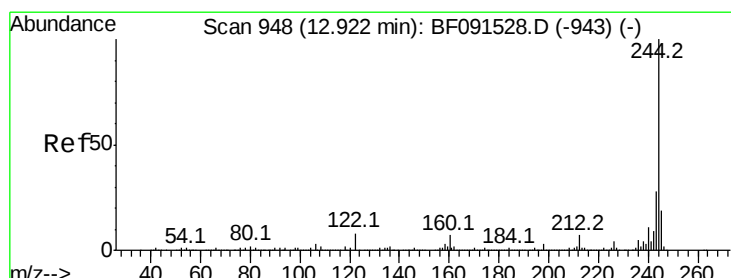
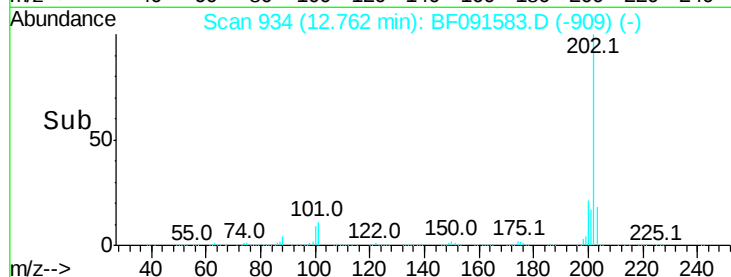
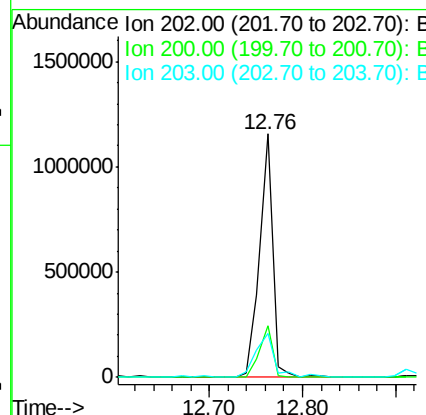
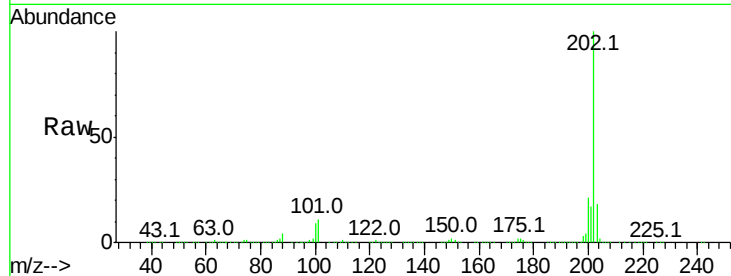
#77
Pvrene
Concen: 29.28 ng
RT: 12.76 min Scan# 934
Delta R.T. -0.01 min
Lab File: BF091583.D
Acq: 14 Dec 2016 13:56

Instrument :
BNA_F
ClientSampleId :
SB-49(6-8)-12-9-16DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	18.1	14.0	21.0

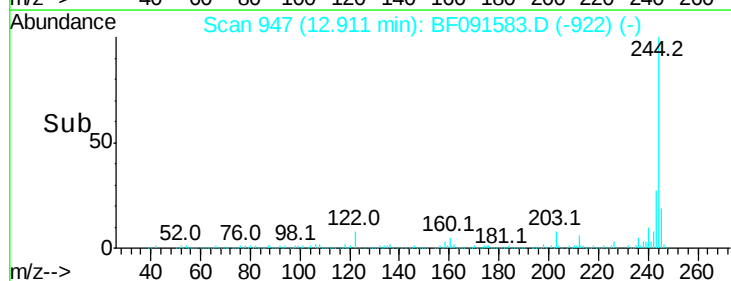
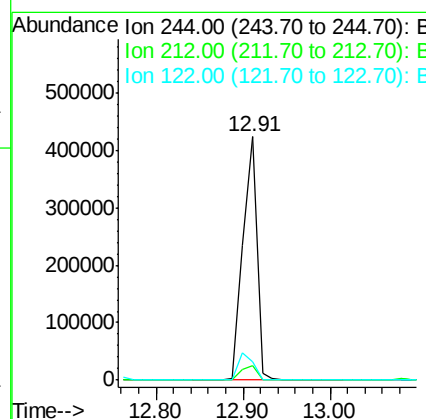
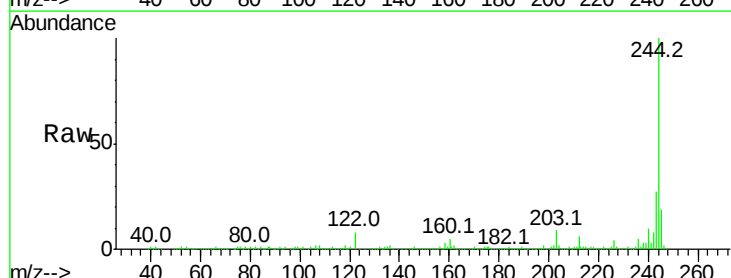
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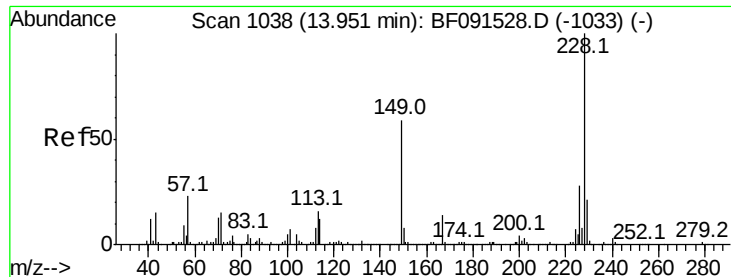
sohil
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#78
Terphenyl-d14
Concen: 21.57 ng
RT: 12.91 min Scan# 947
Delta R.T. -0.01 min
Lab File: BF091583.D
Acq: 14 Dec 2016 13:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	6.5	9.7#
122	7.7	9.5	14.3#





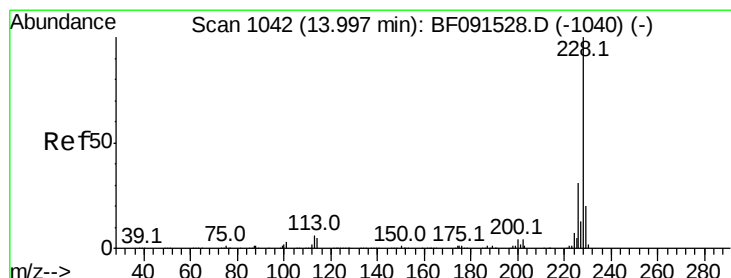
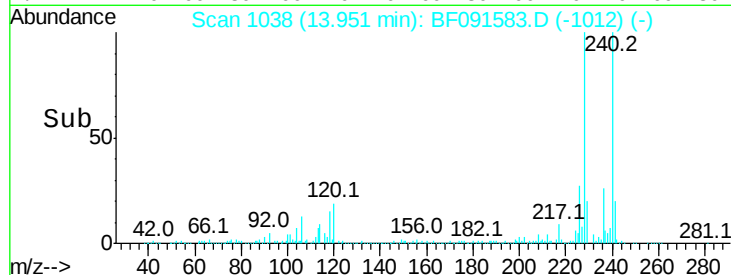
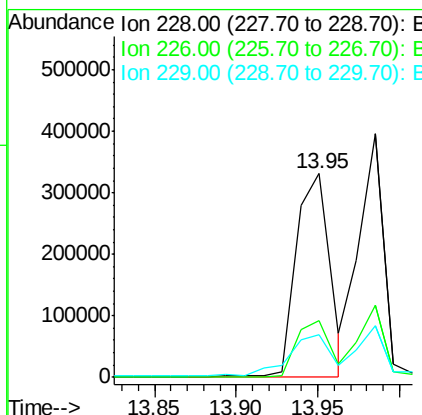
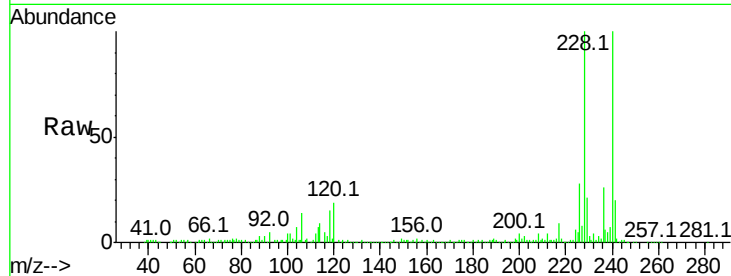
#80
Benzo(a)anthracene
Concen: 16.73 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF091583.D
Acq: 14 Dec 2016 13:56

Instrument :
BNA_F
ClientSampleId :
SB-49(6-8)-12-9-16DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.5	33.7
229	20.8	16.4	24.6

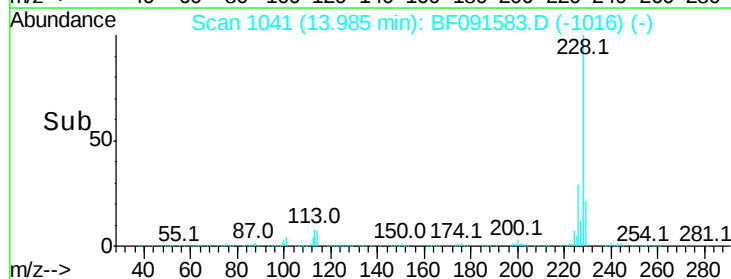
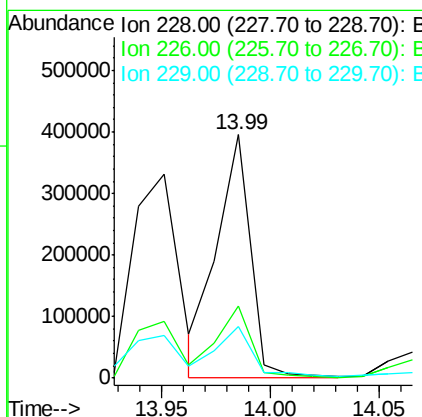
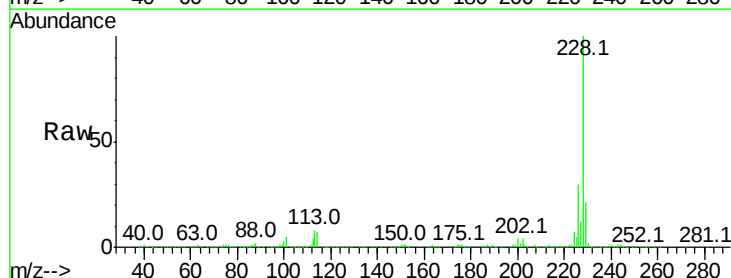
Manual Integrations
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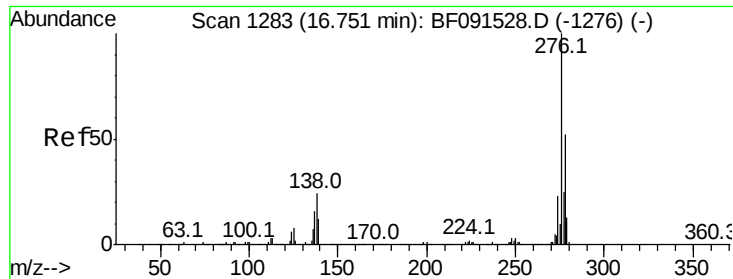
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#82
Chrysene
Concen: 14.20 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF091583.D
Acq: 14 Dec 2016 13:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.4
229	21.4	16.0	24.0





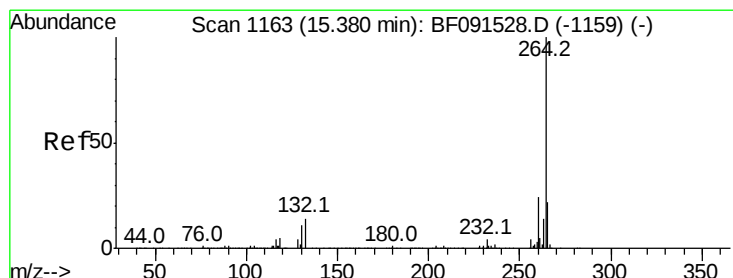
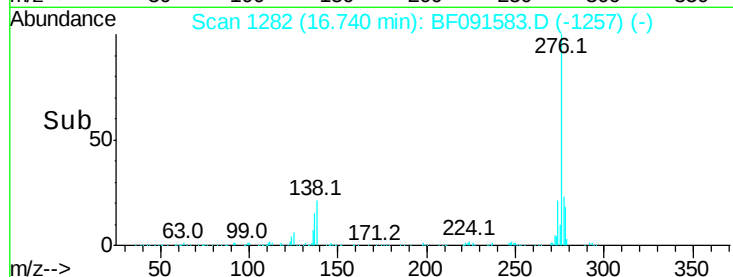
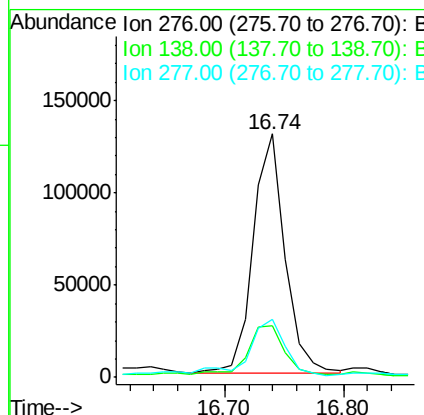
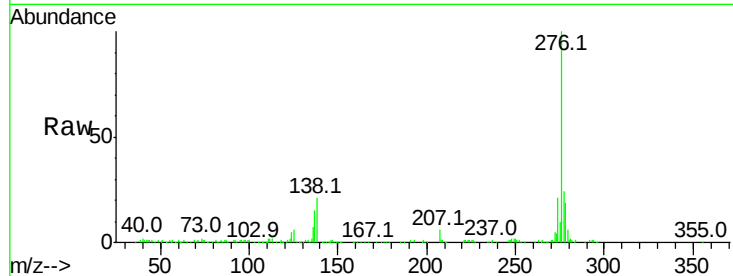
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.10 ng
RT: 16.74 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF091583.D
Acq: 14 Dec 2016 13:56

Instrument :
BNA_F
ClientSampleId :
SB-49(6-8)-12-9-16DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.5	21.0	31.4
277	28.8	20.2	30.2

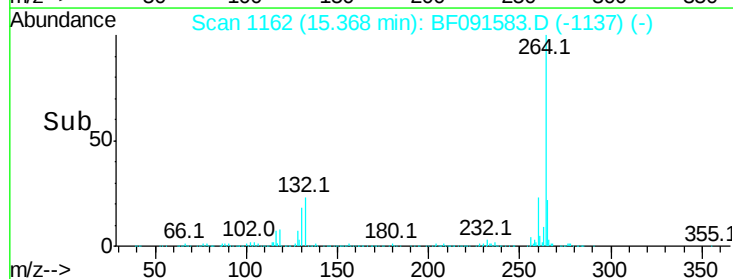
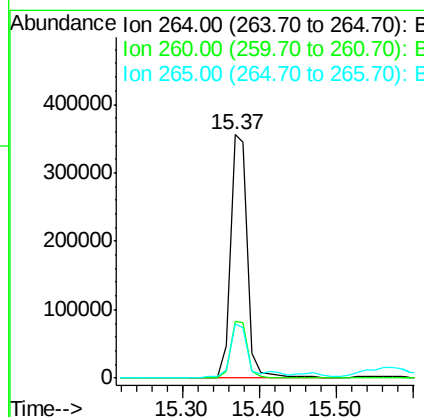
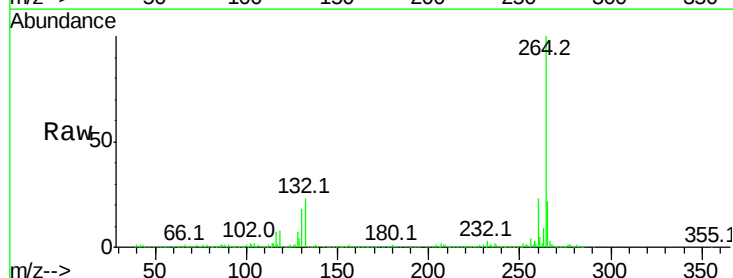
Manual Integrations
APPROVED

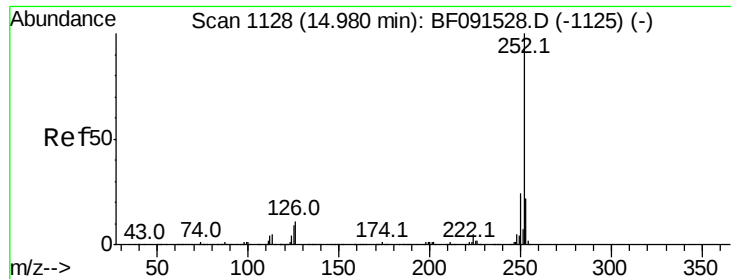
sohil
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BF091583.D
Acq: 14 Dec 2016 13:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	22.3	17.0	25.6





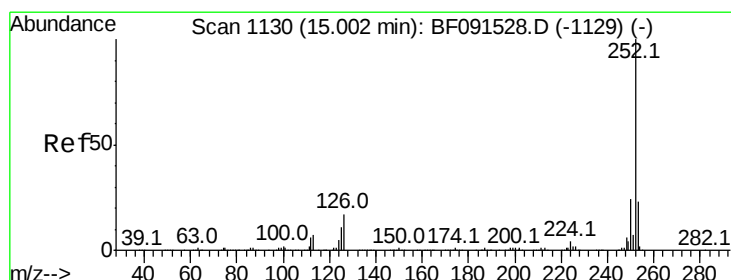
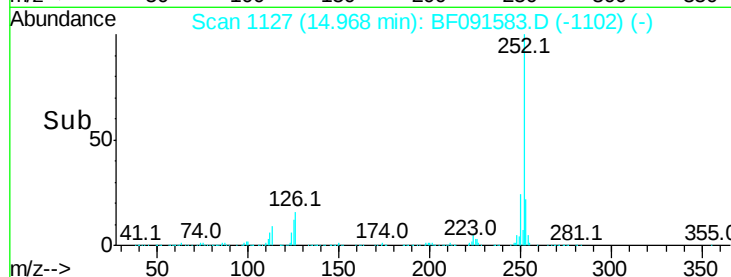
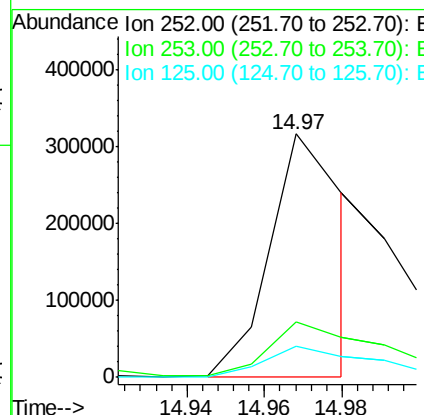
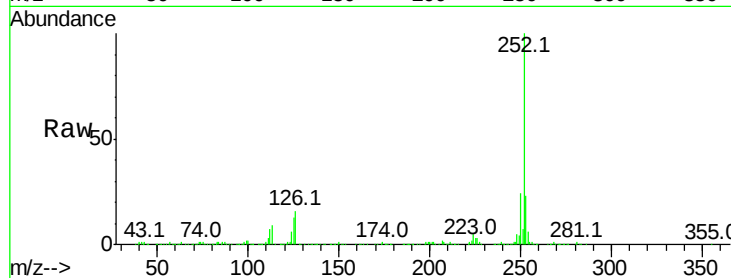
#87
Benzo(b)fluoranthene
Concen: 12.76 ng m
RT: 14.97 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF091583.D
Acq: 14 Dec 2016 13:56

Instrument :
BNA_F
ClientSampleId :
SB-49(6-8)-12-9-16DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	12.6	8.6	13.0

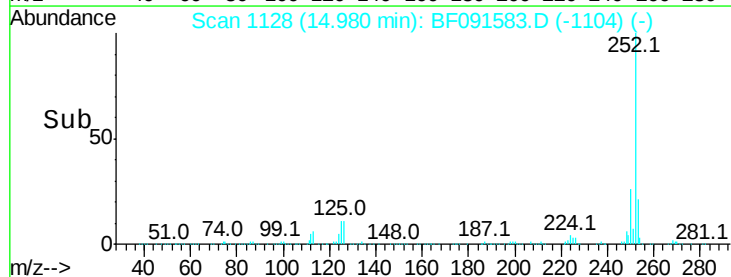
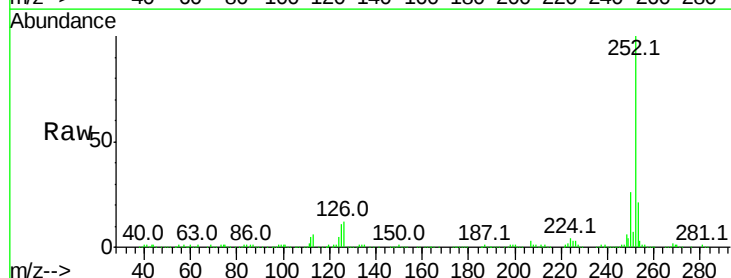
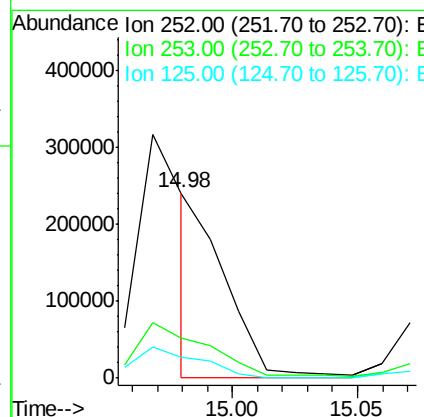
Manual Integrations
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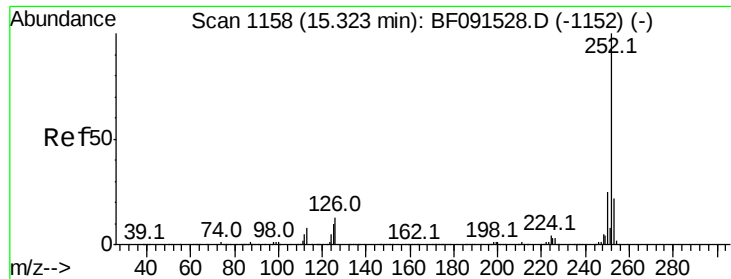
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#88
Benzo(k)fluoranthene
Concen: 6.87 ng m
RT: 14.98 min Scan# 1128
Delta R.T. -0.02 min
Lab File: BF091583.D
Acq: 14 Dec 2016 13:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.8	26.8
125	11.1	9.6	14.4





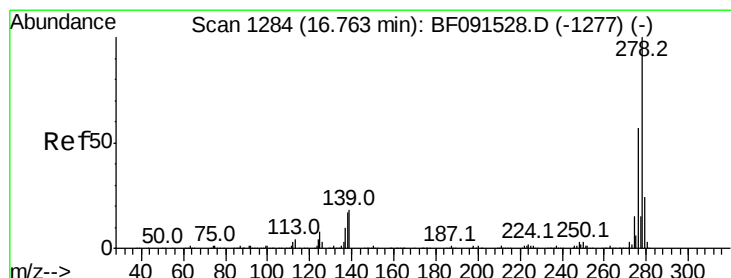
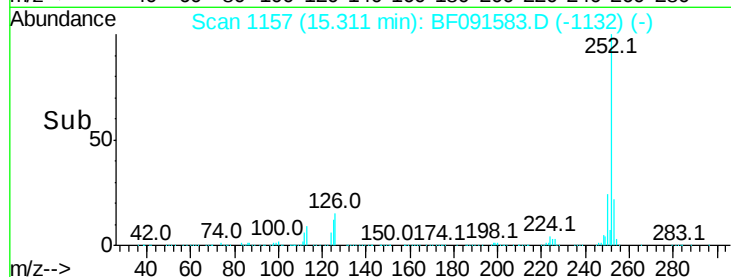
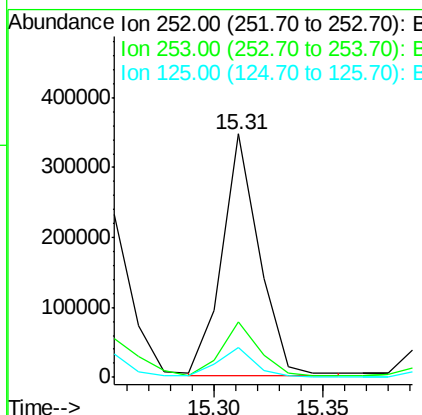
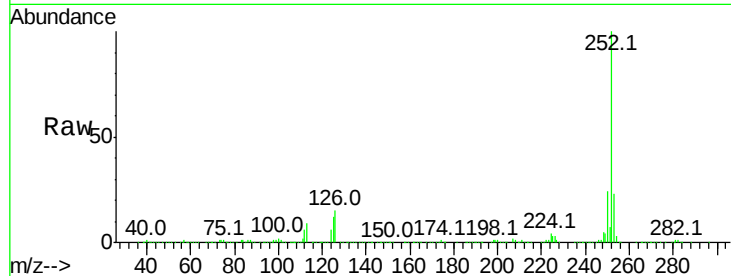
#89
Benzo(a)pyrene
Concen: 13.70 ng
RT: 15.31 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF091583.D
Acq: 14 Dec 2016 13:56

Instrument :
BNA_F
ClientSampleId :
SB-49(6-8)-12-9-16DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	12.1	10.4	15.6

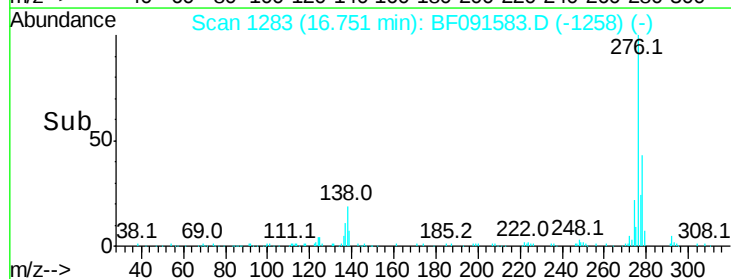
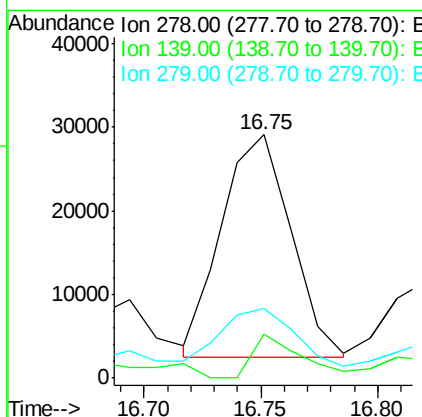
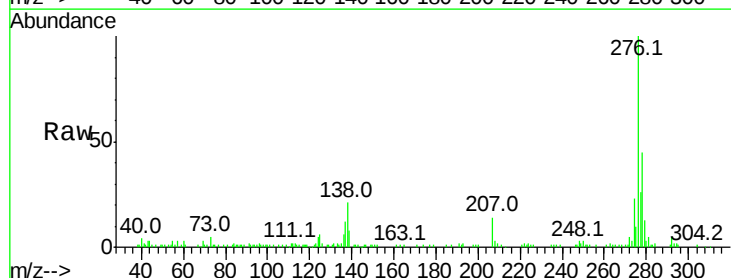
Manual Integrations
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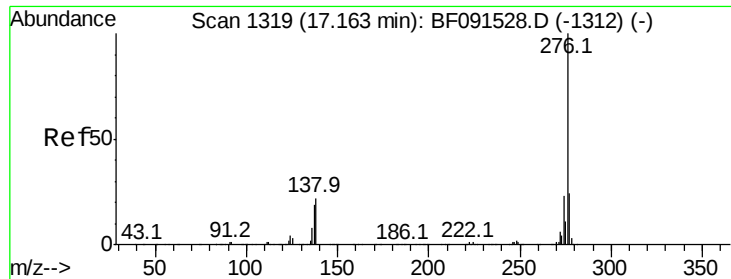
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#90
Dibenzo(a,h)anthracene
Concen: 2.02 ng m
RT: 16.75 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF091583.D
Acq: 14 Dec 2016 13:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.1	15.1	22.7
279	28.7	19.0	28.6#





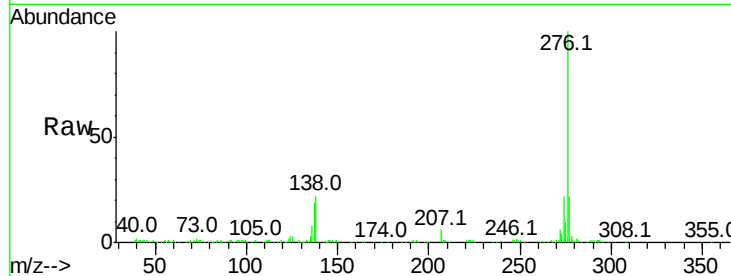
#91
 Benzo(a,h,i)perylene
 Concen: 9.66 ng
 RT: 17.15 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF091583.D
 Acq: 14 Dec 2016 13:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(6-8)-12-9-16DL

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	22.5	19.0	28.4
138	22.2	15.4	23.0

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

