

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
 Data File : BF077566.D
 Acq On : 4 Mar 2015 1:56
 Operator : TP/IZ
 Sample : G1399-01DL 50X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB9DL

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Quant Time: Mar 04 06:03:03 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 04 04:46:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.23	152	85611	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	335248	20.00	ng	0.00
38) Acenaphthene-d10	10.99	164	173545	20.00	ng	0.00
63) Phenanthrene-d10	12.83	188	335663	20.00	ng	0.00
75) Chrysene-d12	16.12	240	352862	20.00	ng	0.00
86) Perylene-d12	17.80	264	392962	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	8484	1.65	ng	0.00
7) Phenol-d6	6.80	99	10465	1.59	ng	0.00
23) Nitrobenzene-d5	7.92	82	5935	1.10	ng	0.00
41) 2,4,6-Tribromophenol	11.97	330	2214	1.32	ng	0.00
44) 2-Fluorobiphenyl	10.16	172	13090	1.18	ng	0.00
78) Terphenyl-d14	14.82	244	15678	1.04	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
51) Acenaphthene	11.03	154	39651	4.07	ng	96
57) Fluorene	11.67	166	42721	3.55	ng	98
70) Phenanthrene	12.86	178	516678	26.56	ng	99
71) Anthracene	12.92	178	142836	7.40	ng	97
72) Carbazole	13.13	167	85659	4.67	ng	97
74) Fluoranthene	14.34	202	1335220	62.83	ng	98
77) Pyrene	14.62	202	1177212	54.54	ng	# 95
80) Benzo(a)anthracene	16.11	228	740803	35.82	ng	95
82) Chrysene	16.15	228	691812m	35.63	ng	
85) Indeno(1,2,3-cd)pyrene	19.22	276	264095m	11.93	ng	
87) Benzo(b)fluoranthene	17.37	252	737839m	32.29	ng	
88) Benzo(k)fluoranthene	17.39	252	278475m	12.44	ng	
89) Benzo(a)pyrene	17.73	252	548437	25.20	ng	97
90) Dibenzo(a,h)anthracene	19.24	278	71607	3.45	ng	# 85
91) Benzo(g,h,i)perylene	19.65	276	248246	11.85	ng	97

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

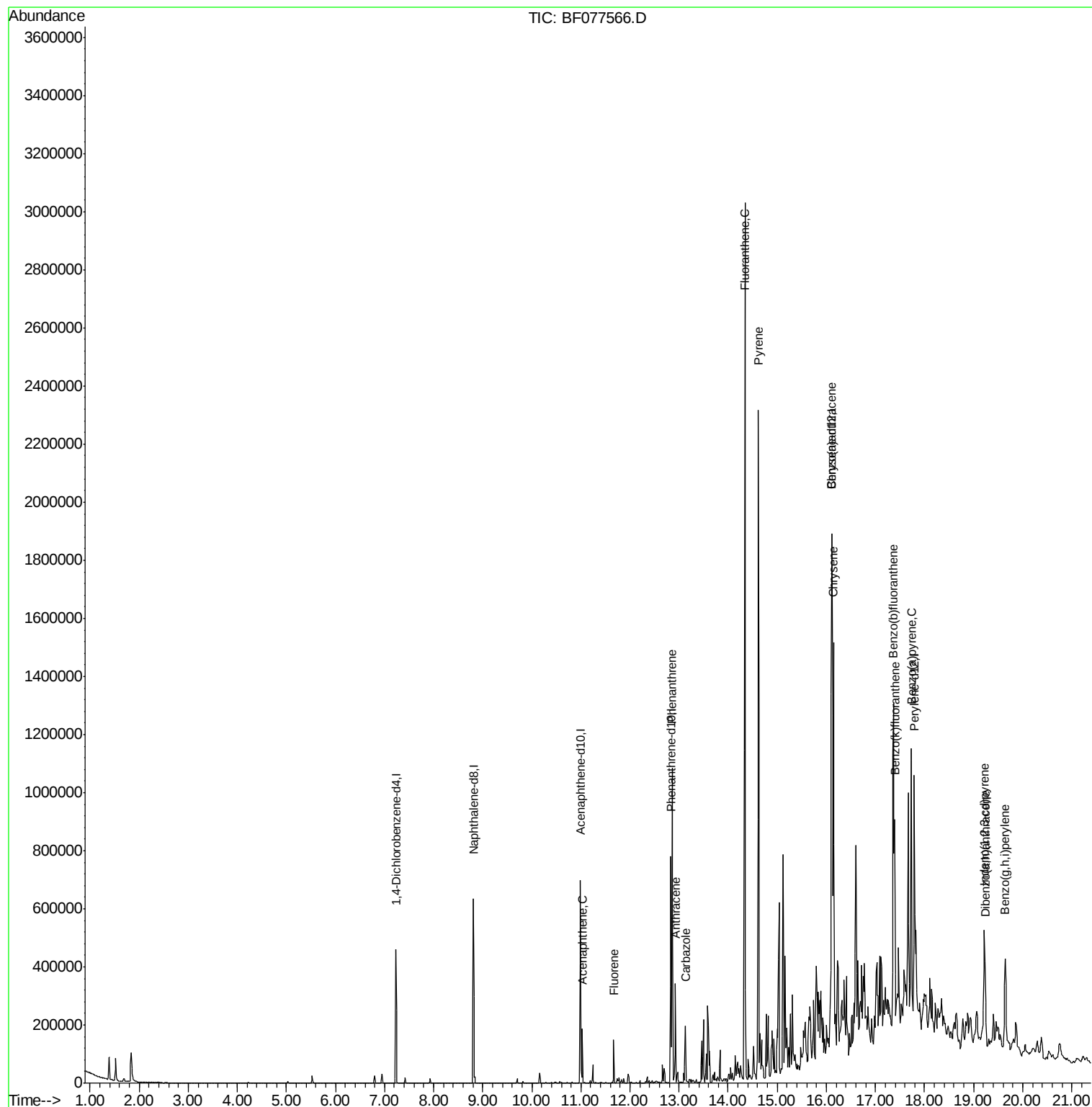
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
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Sample : G1399-01DL 50X
Misc :
ALS Vial : 23 Sample Multiplier: 1

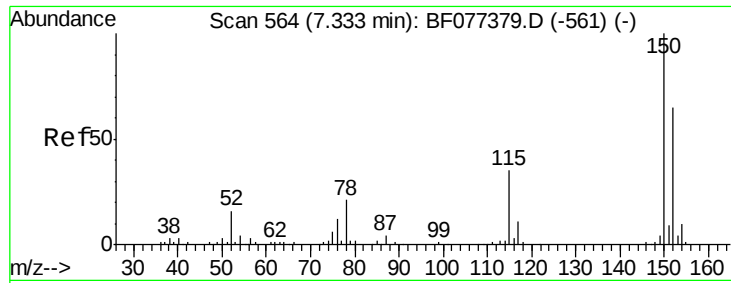
Instrument :
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.23 min Scan# 555

Delta R.T. -0.00 min

Lab File: BF077566.D

Acq: 4 Mar 2015 1:56

Instrument :

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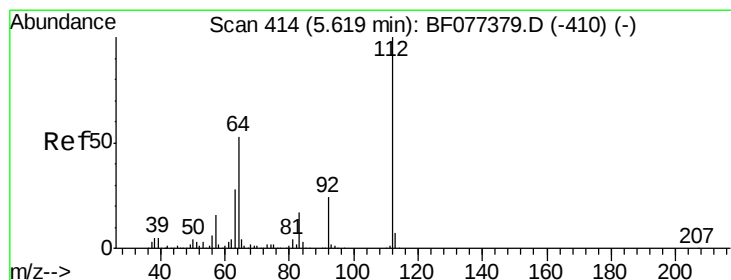
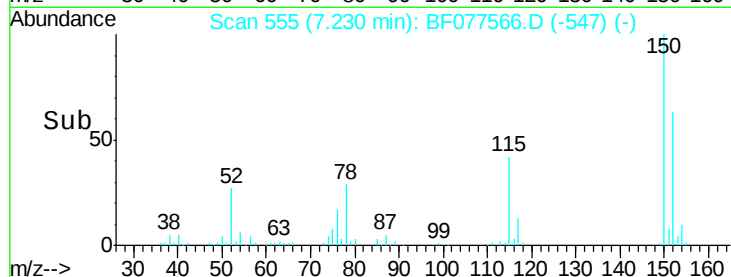
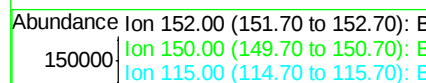
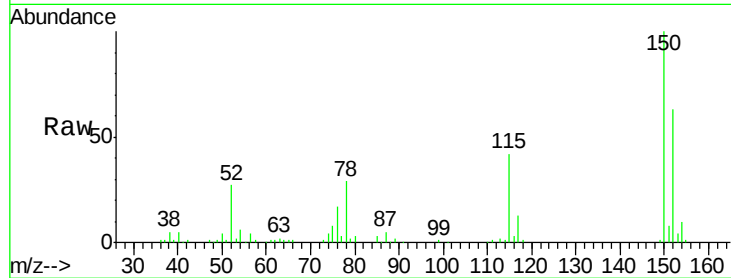
ClientSampleId :

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Tgt Ion:	152	Resp:	85611
Ion Ratio	Lower	Upper	
152	100		
150	158.0	124.0	186.0
115	66.0	49.4	74.2

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#5

2-Fluorophenol

Concen: 1.65 ng

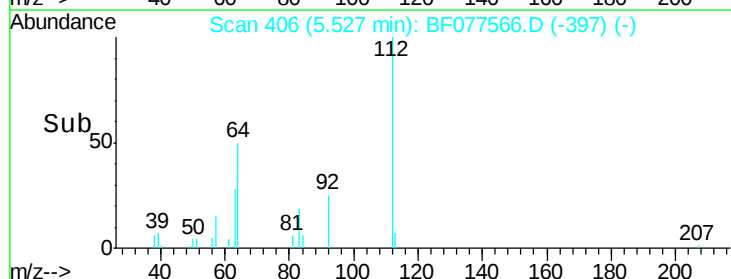
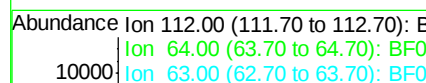
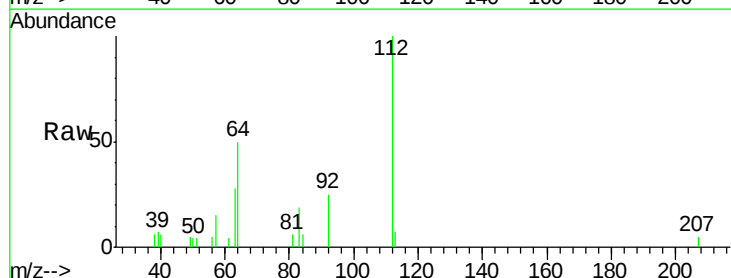
RT: 5.53 min Scan# 406

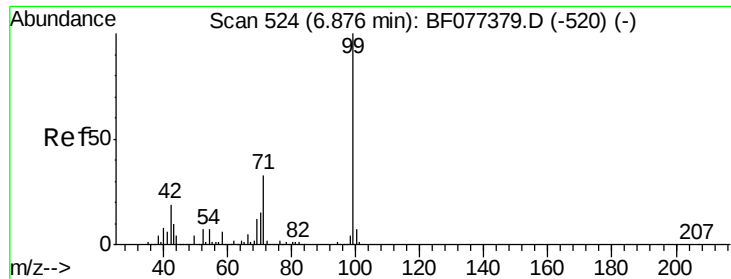
Delta R.T. 0.00 min

Lab File: BF077566.D

Acq: 4 Mar 2015 1:56

Tgt Ion:	112	Resp:	8484
Ion Ratio	Lower	Upper	
112	100		
64	50.3	48.5	72.7
63	27.7	25.0	37.4





#7

Phenol-d6

Concen: 1.59 ng

RT: 6.80 min Scan# 517

Delta R.T. -0.00 min

Lab File: BF077566.D

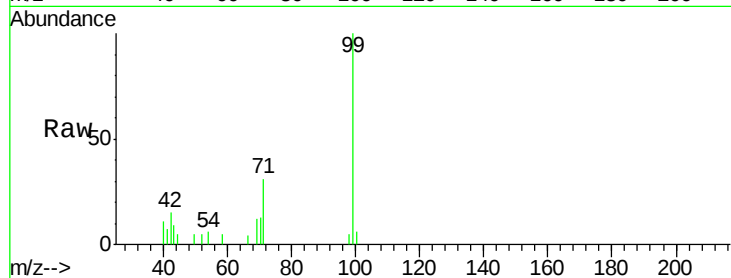
Acq: 4 Mar 2015 1:56

Instrument :

BNA_F

ClientSampled :

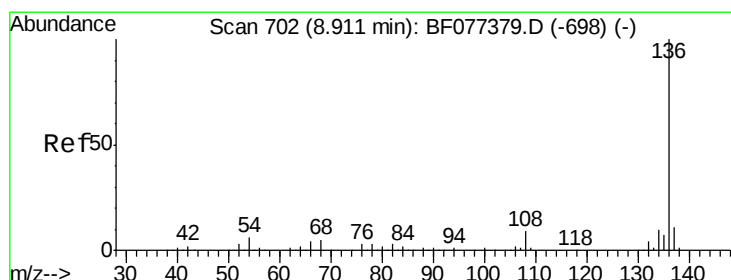
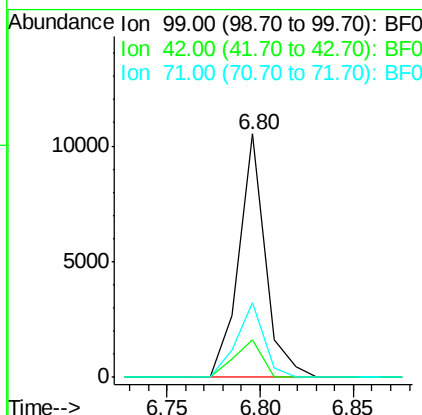
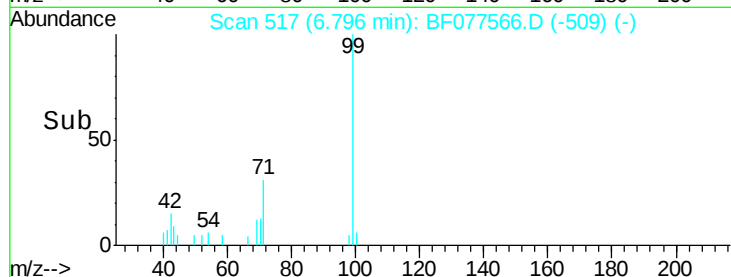
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		10465		
42	15.2	16.2	24.4#		
71	30.8	26.7	40.1		

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#21

Naphthalene-d8

Concen: 20.00 ng

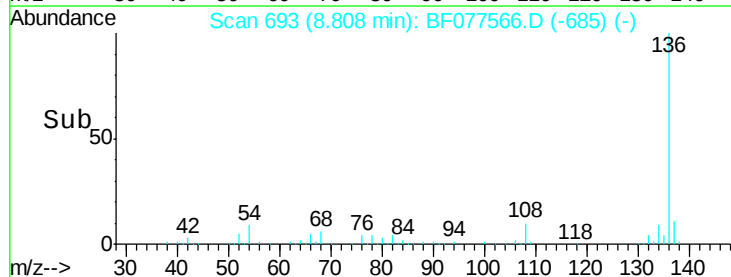
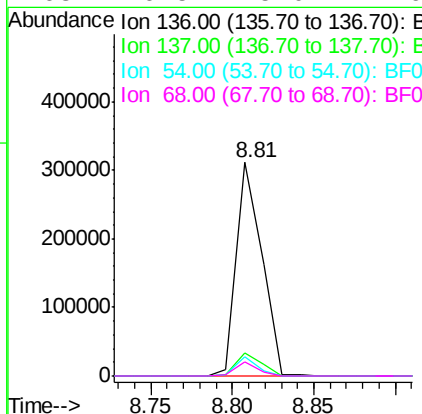
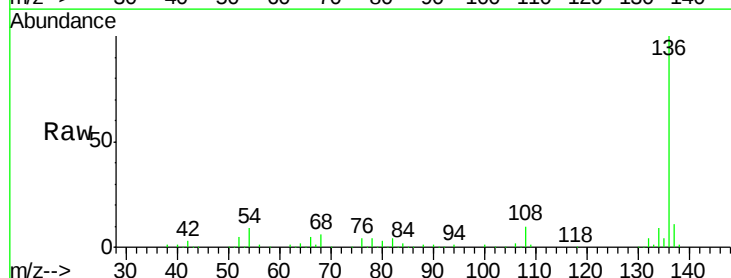
RT: 8.81 min Scan# 693

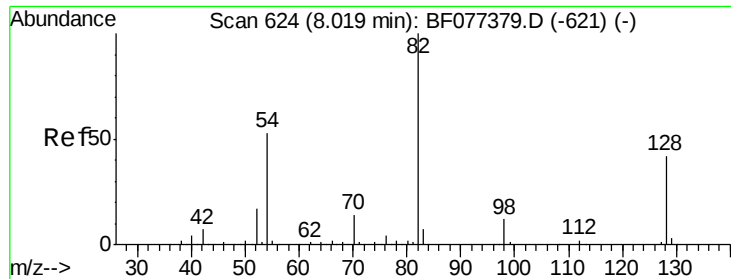
Delta R.T. -0.00 min

Lab File: BF077566.D

Acq: 4 Mar 2015 1:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		335248		
137	11.1	8.6	13.0		
54	8.7	6.2	9.4		
68	6.5	5.0	7.6		





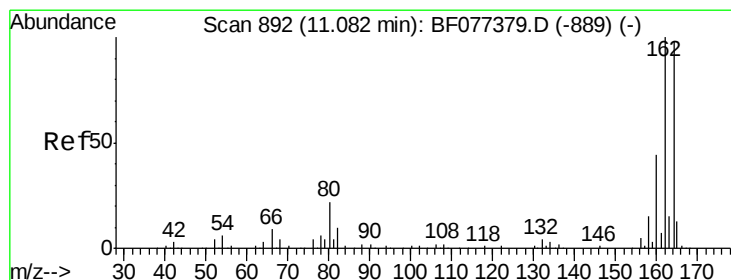
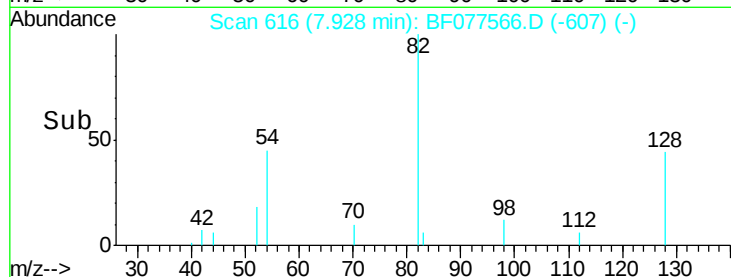
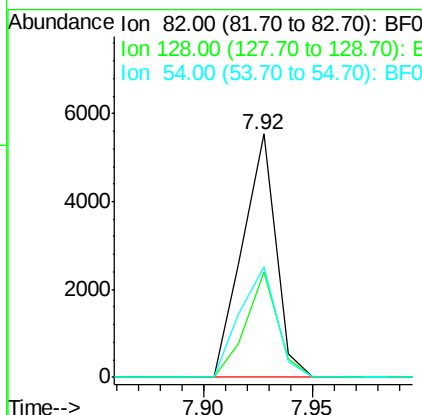
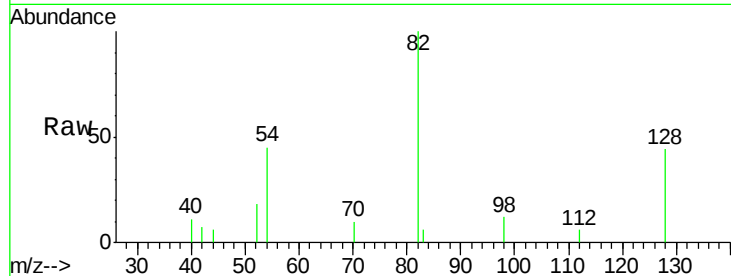
#23
Nitrobenzene-d5
Concen: 1.10 ng
RT: 7.92 min Scan# 616
Delta R.T. -0.00 min
Lab File: BF077566.D
Acq: 4 Mar 2015 1:56

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.5	43.8	65.8#
54	45.5	36.7	55.1

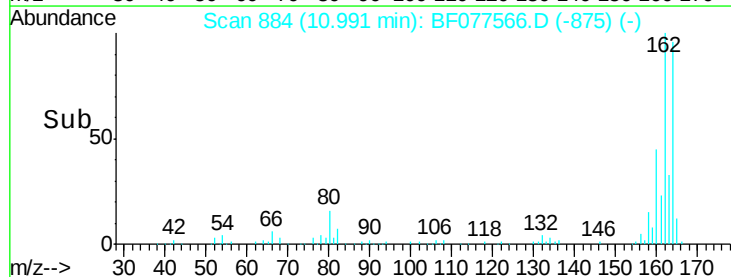
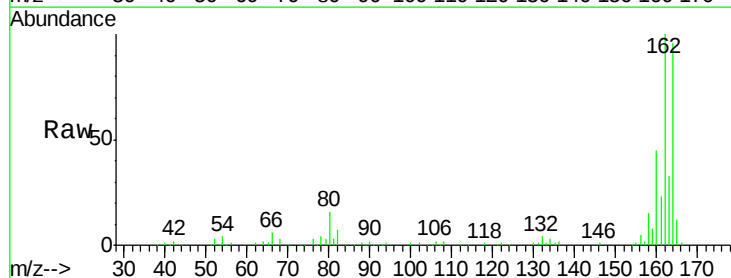
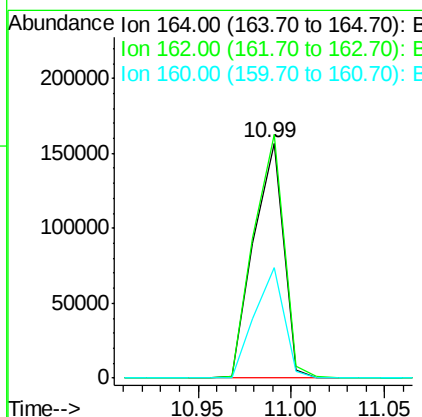
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF077566.D
Acq: 4 Mar 2015 1:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	83.2	124.8
160	46.8	34.6	52.0





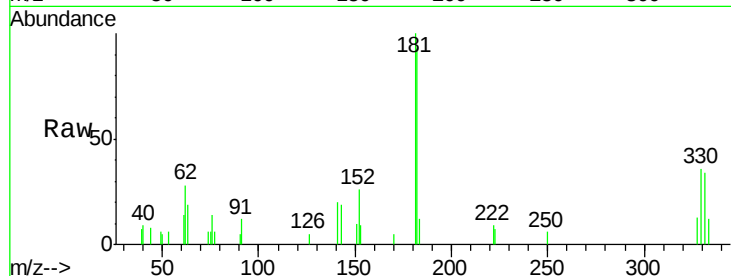
#41
 2,4,6-Tribromophenol
 Concen: 1.32 ng
 RT: 11.97 min Scan# 969
 Delta R.T. -0.00 min
 Lab File: BF077566.D
 Acq: 4 Mar 2015 1:56

Instrument :
 BNA_F
 ClientSampleId :
 SB9DL

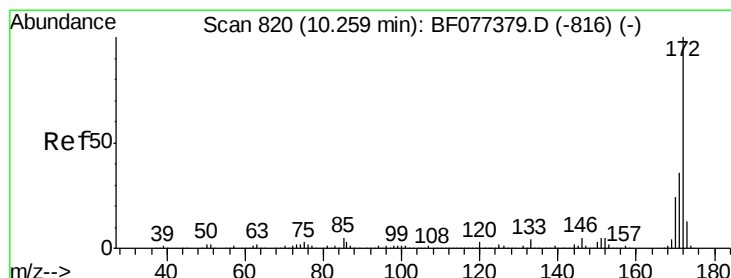
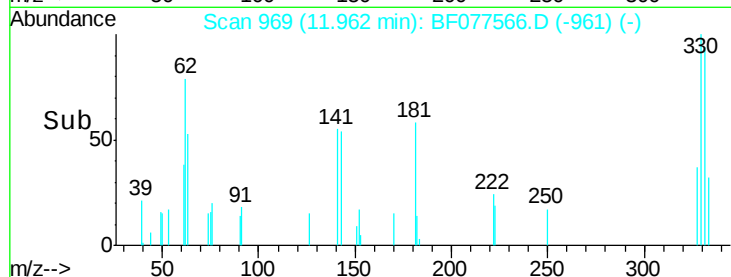
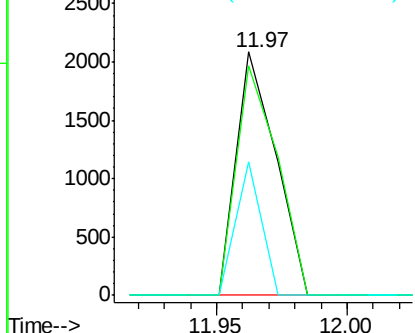
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.4	116.2
141	35.3	28.8	43.2

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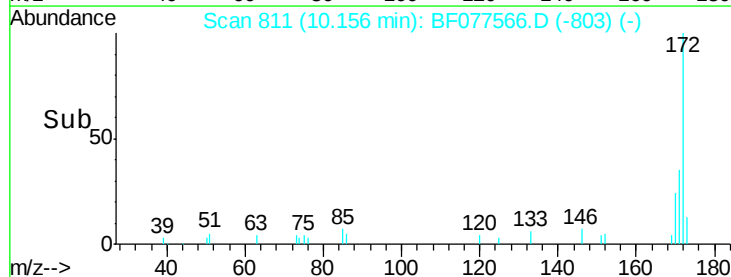
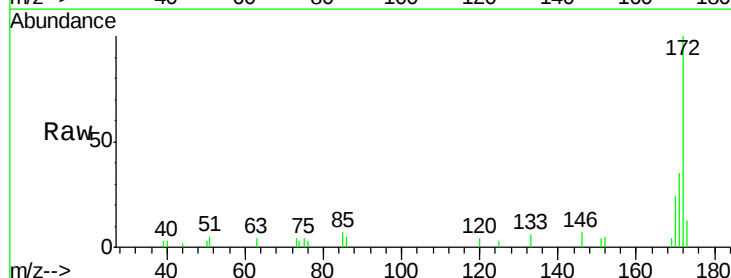
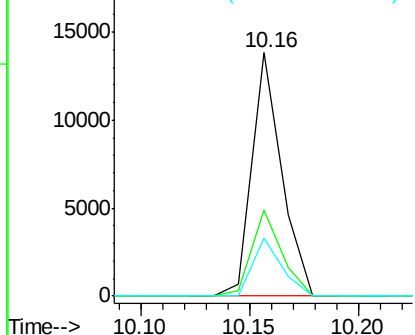
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

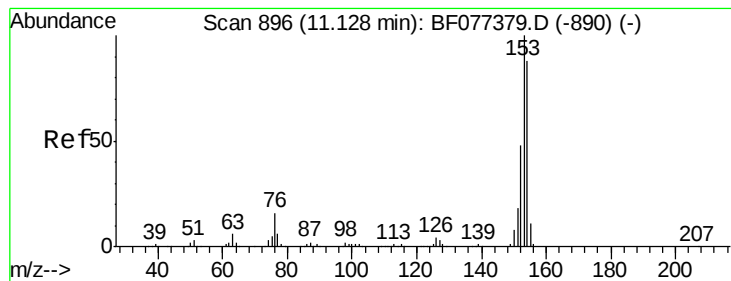


#44
 2-Fluorobiphenyl
 Concen: 1.18 ng
 RT: 10.16 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: BF077566.D
 Acq: 4 Mar 2015 1:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.9	43.3
170	23.9	19.4	29.2

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 4.07 ng

RT: 11.03 min Scan# 887

Delta R.T. -0.00 min

Lab File: BF077566.D

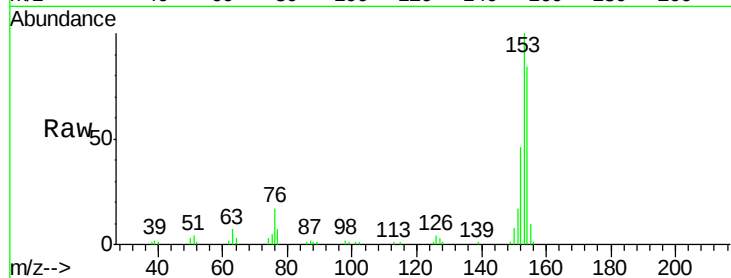
Acq: 4 Mar 2015 1:56

Instrument :

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ClientSampleId :

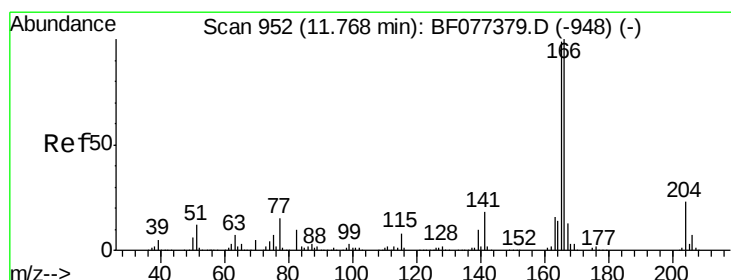
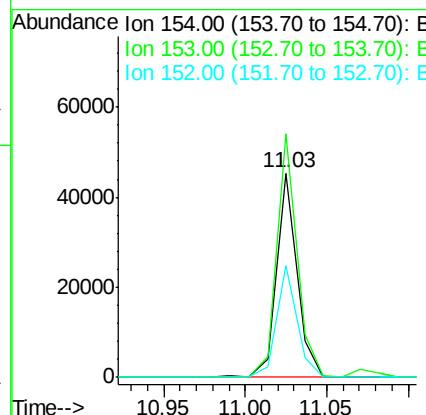
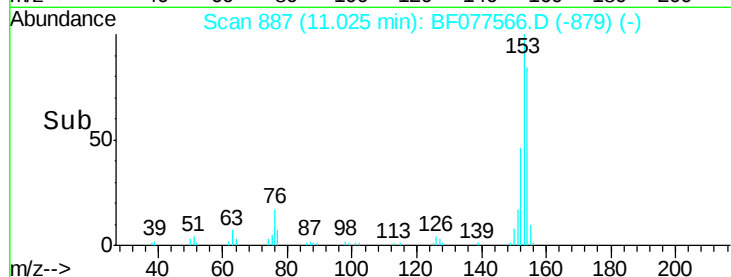
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Tgt Ion:	154	Resp:	39651
Ion Ratio	Lower	Upper	
154	100		
153	119.4	90.5	135.7
152	55.1	43.5	65.3

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#57

Fluorene

Concen: 3.55 ng

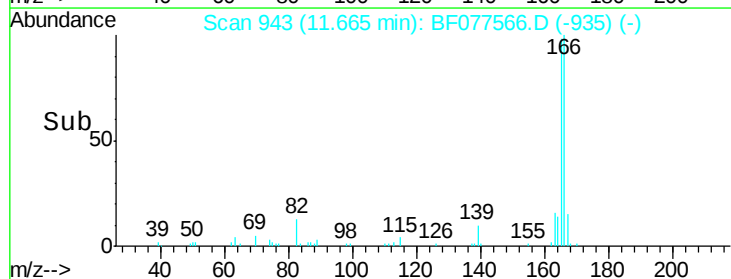
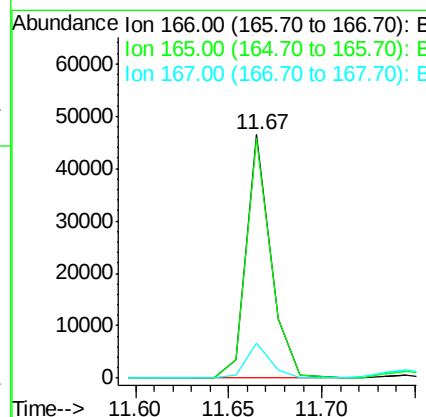
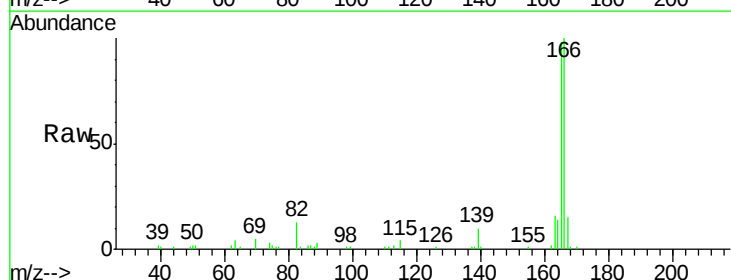
RT: 11.67 min Scan# 943

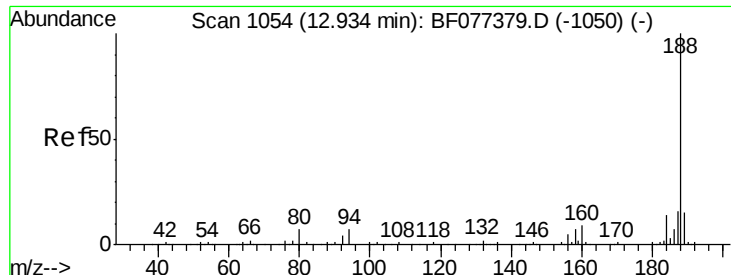
Delta R.T. -0.00 min

Lab File: BF077566.D

Acq: 4 Mar 2015 1:56

Tgt Ion:	166	Resp:	42721
Ion Ratio	Lower	Upper	
166	100		
165	98.5	77.6	116.4
167	14.6	10.6	16.0





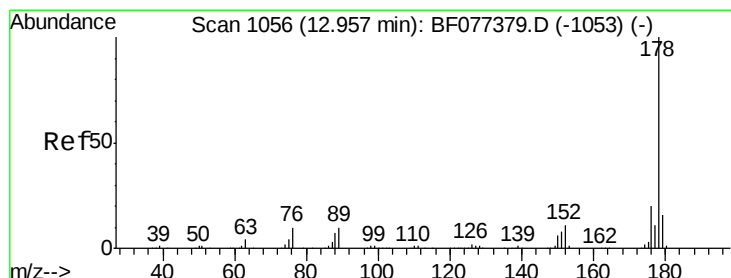
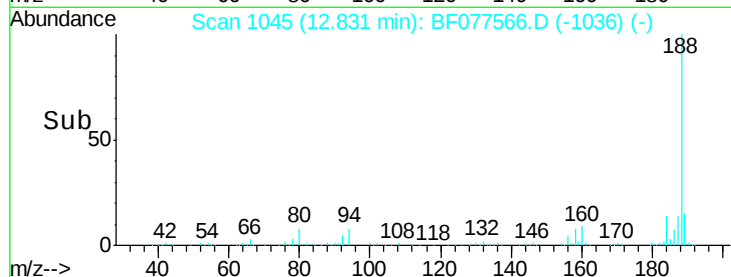
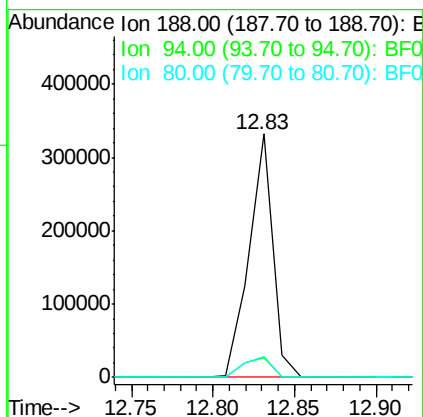
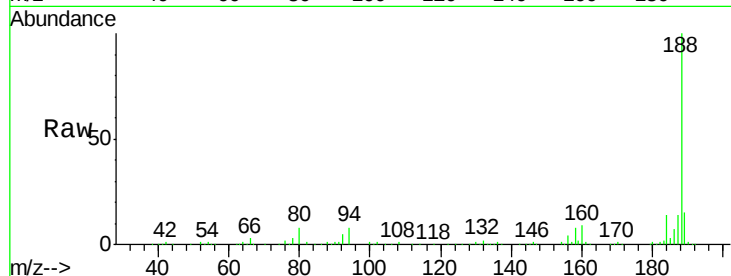
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.83 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BF077566.D
Acq: 4 Mar 2015 1:56

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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.0	7.4	11.2
80	8.3	8.0	12.0

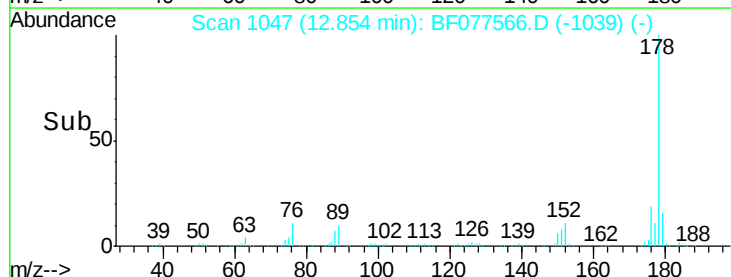
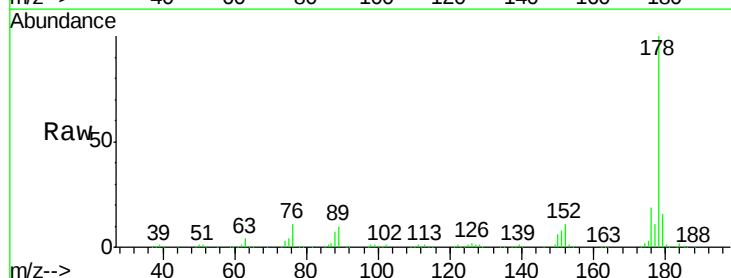
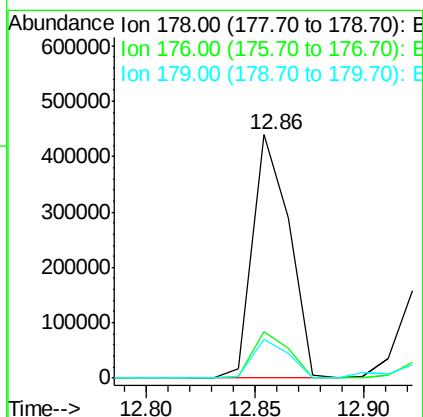
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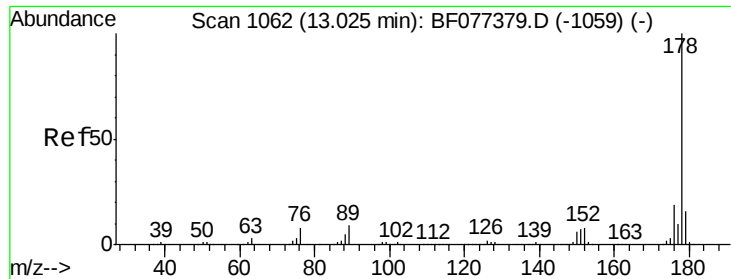
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#70
Phenanthrene
Concen: 26.56 ng
RT: 12.86 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BF077566.D
Acq: 4 Mar 2015 1:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.3	15.5	23.3
179	15.7	12.2	18.2





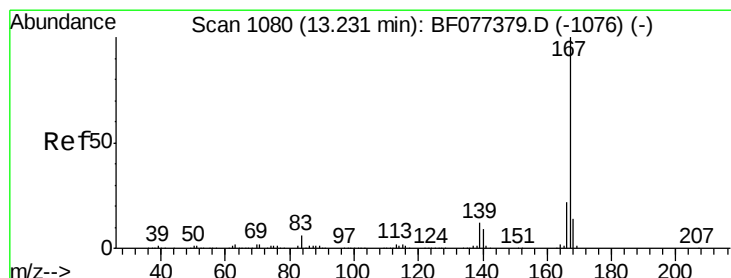
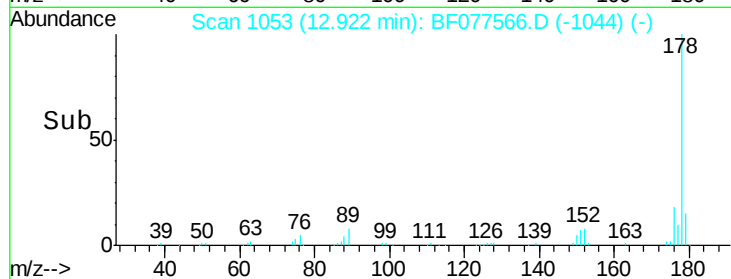
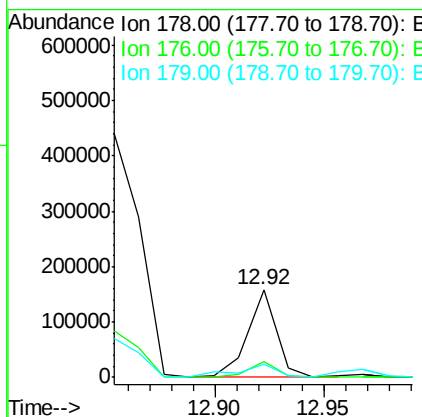
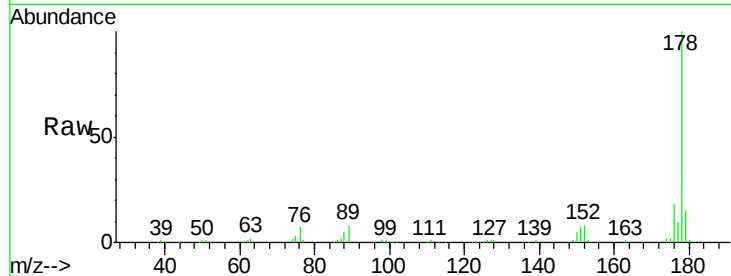
#71
 Anthracene
 Concen: 7.40 ng
 RT: 12.92 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: BF077566.D
 Acq: 4 Mar 2015 1:56

Instrument :
 BNA_F
 ClientSampleID :
 SB9DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.0
179	14.7	12.9	19.3

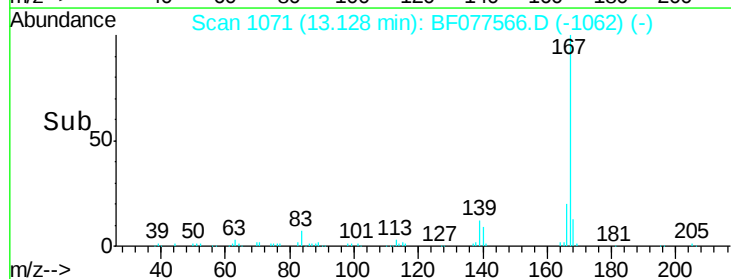
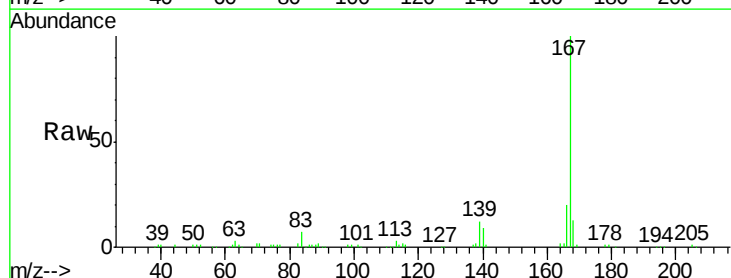
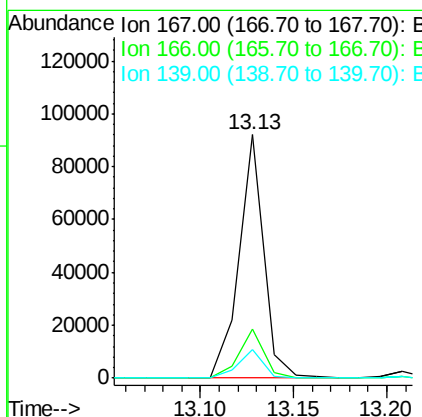
Manual Integrations
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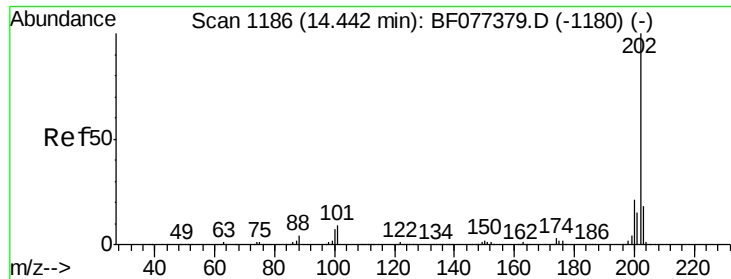
mohammad
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#72
 Carbazole
 Concen: 4.67 ng
 RT: 13.13 min Scan# 1071
 Delta R.T. -0.00 min
 Lab File: BF077566.D
 Acq: 4 Mar 2015 1:56

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.0	17.6	26.4
139	11.9	9.9	14.9





#74

Fluoranthene

Concen: 62.83 ng

RT: 14.34 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BF077566.D

Acq: 4 Mar 2015 1:56

Instrument :

BNA_F

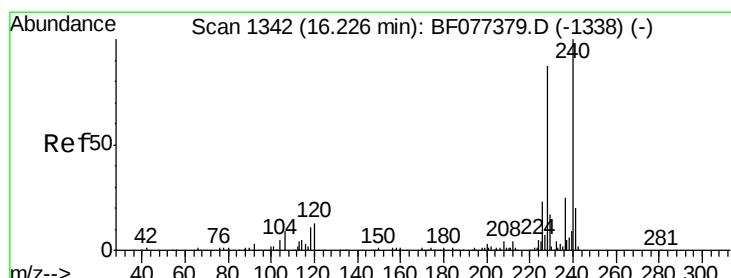
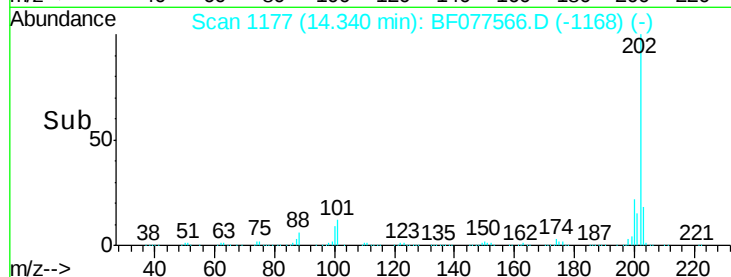
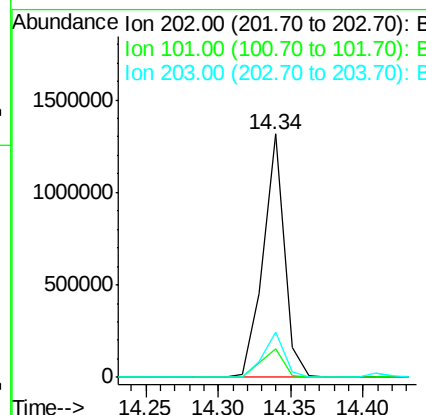
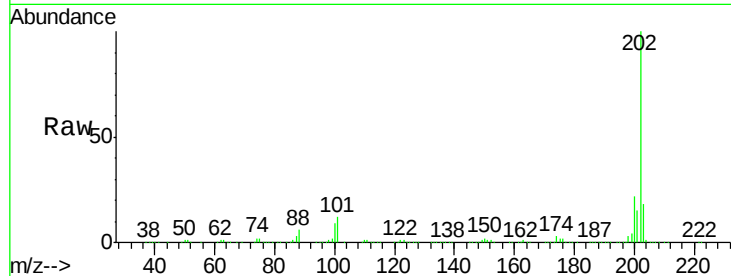
ClientSampleId :

SB9DL

Tgt Ion:	202	Resp:	1335220
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	30.8
203	18.4	0.0	37.7

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#75

Chrysene-d12

Concen: 20.00 ng

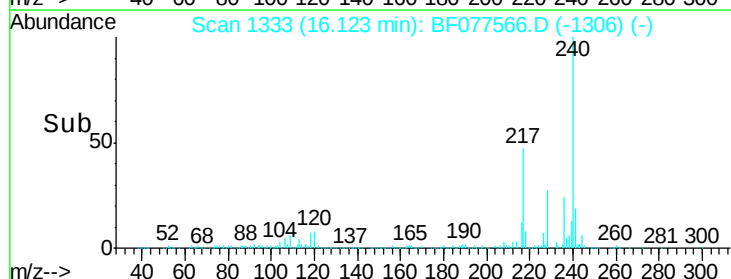
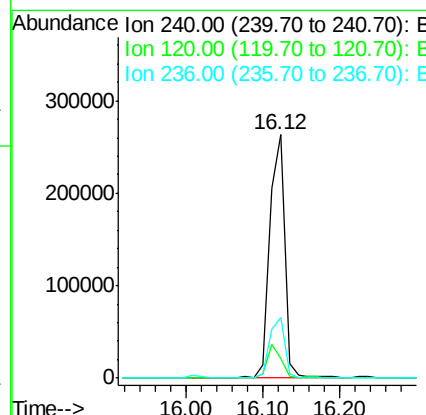
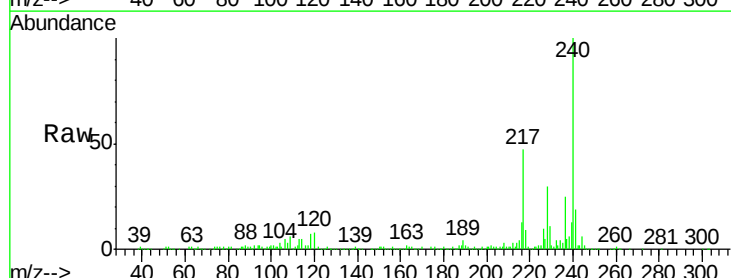
RT: 16.12 min Scan# 1333

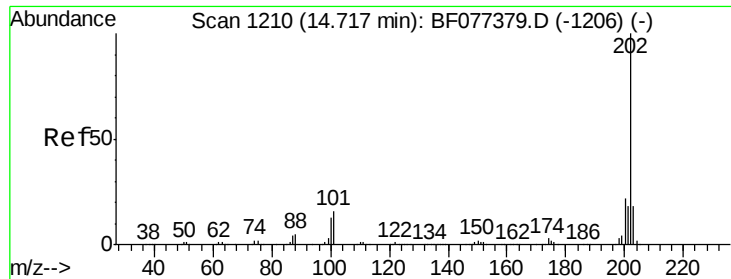
Delta R.T. 0.00 min

Lab File: BF077566.D

Acq: 4 Mar 2015 1:56

Tgt Ion:	240	Resp:	352862
Ion Ratio	Lower	Upper	
240	100		
120	8.0	8.8	13.2#
236	24.7	20.7	31.1





#77

Pyrene

Concen: 54.54 ng

RT: 14.62 min Scan# 1201

Delta R.T. 0.00 min

Lab File: BF077566.D

Acq: 4 Mar 2015 1:56

Instrument :

BNA_F

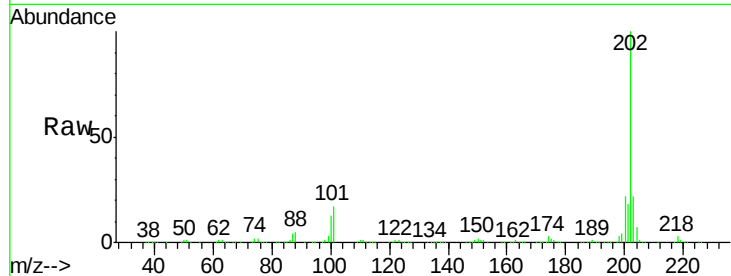
ClientSampleId :

SB9DL

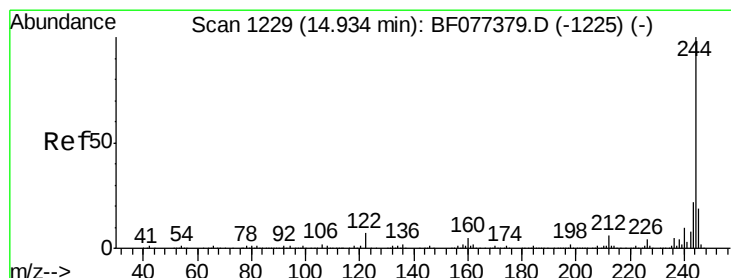
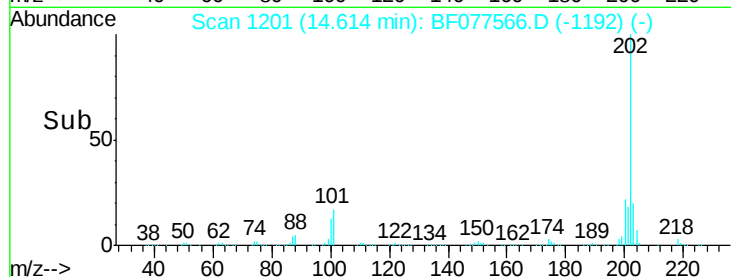
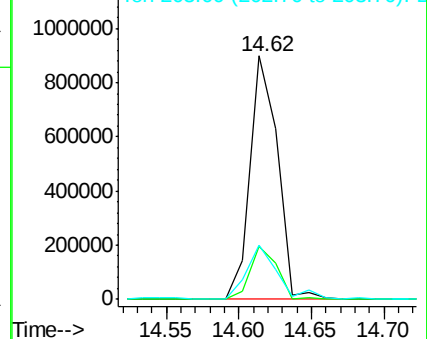
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.1	25.7
203	22.1	14.2	21.2#

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 1.04 ng

RT: 14.82 min Scan# 1219

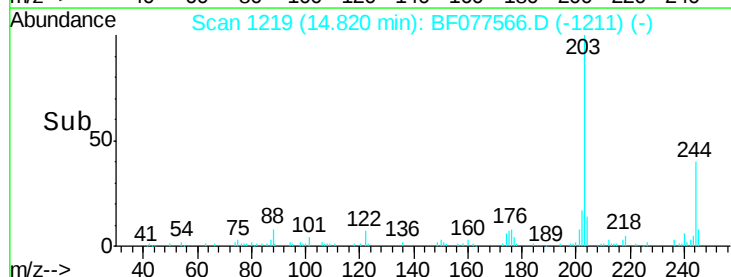
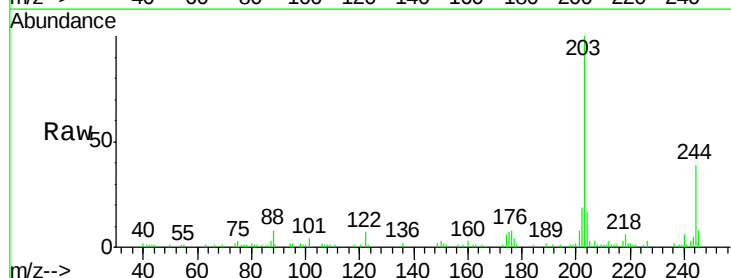
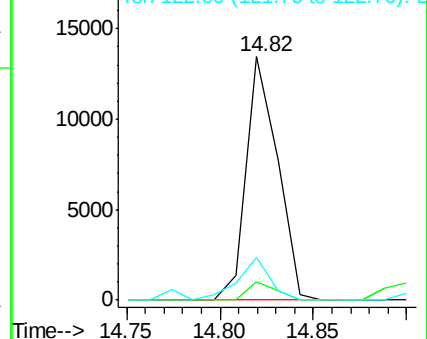
Delta R.T. -0.00 min

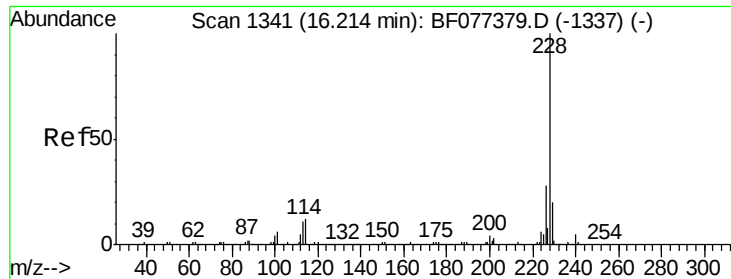
Lab File: BF077566.D

Acq: 4 Mar 2015 1:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.2	7.8
122	17.6	7.8	11.8#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





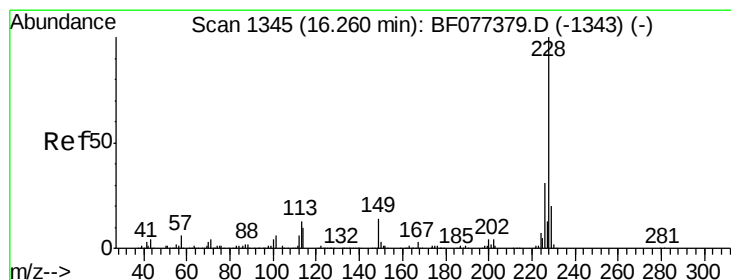
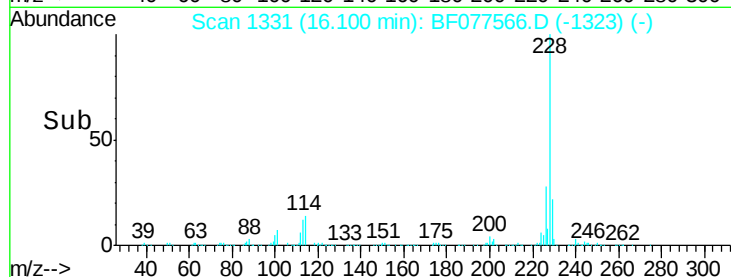
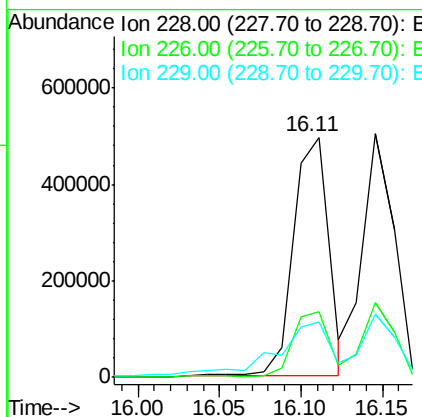
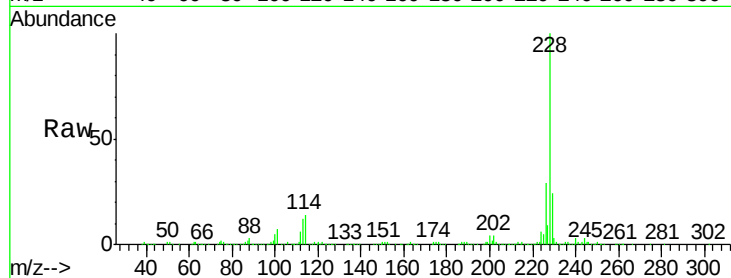
#80
Benzo(a)anthracene
Concen: 35.82 ng
RT: 16.11 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF077566.D
Acq: 4 Mar 2015 1:56

Instrument :
BNA_F
ClientSampleId :
SB9DL

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	28.5	22.0	33.0
229	23.6	15.8	23.8

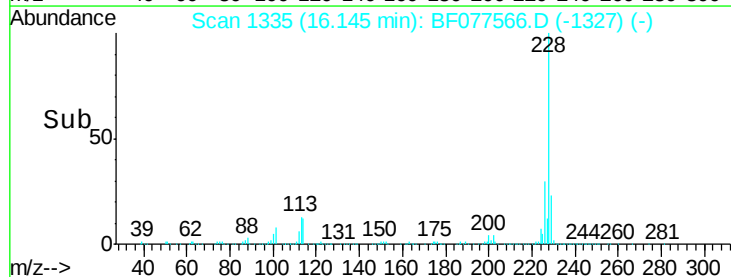
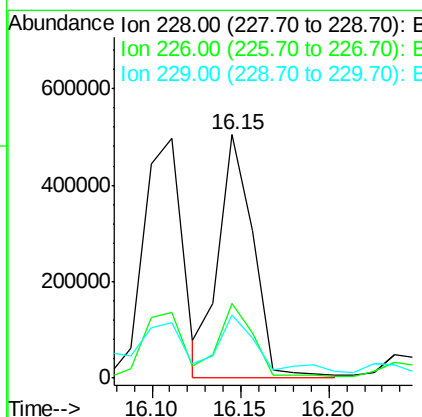
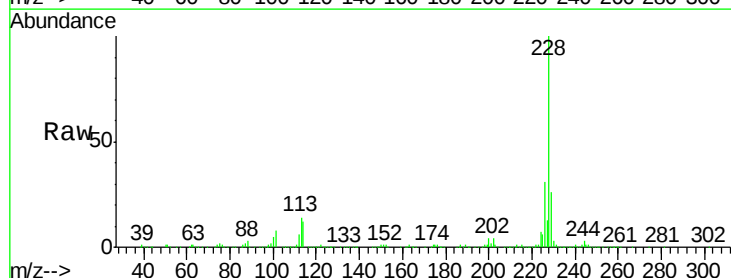
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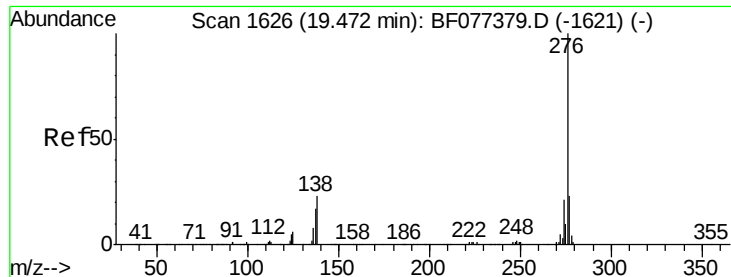
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#82
Chrysene
Concen: 35.63 ng m
RT: 16.15 min Scan# 1335
Delta R.T. -0.00 min
Lab File: BF077566.D
Acq: 4 Mar 2015 1:56

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.7	24.9	37.3
229	26.0	16.4	24.6





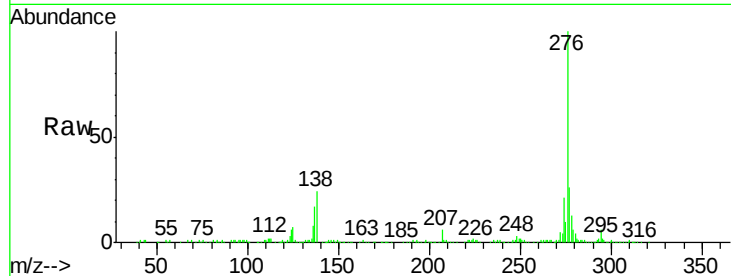
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.93 ng m
 RT: 19.22 min Scan# 1604
 Delta R.T. -0.05 min
 Lab File: BF077566.D
 Acq: 4 Mar 2015 1:56

Instrument :
 BNA_F
 ClientSampleId :
 SB9DL

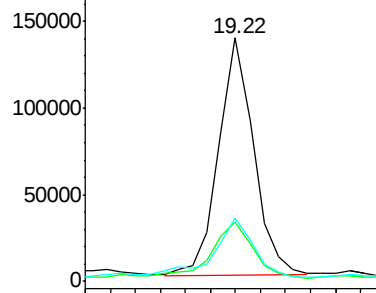
Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.4	21.2	31.8
277	24.5	20.0	30.0

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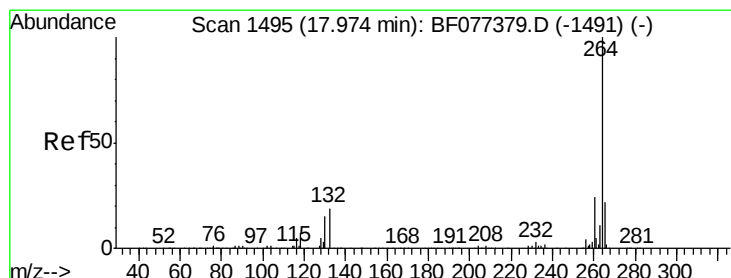
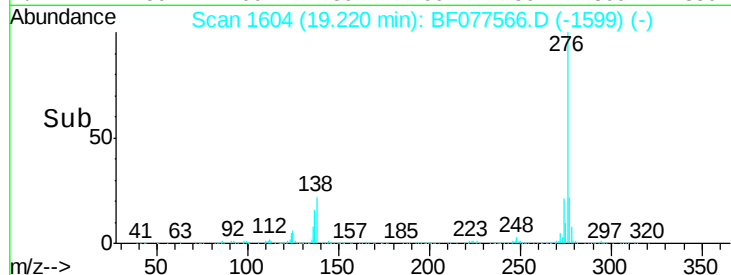
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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

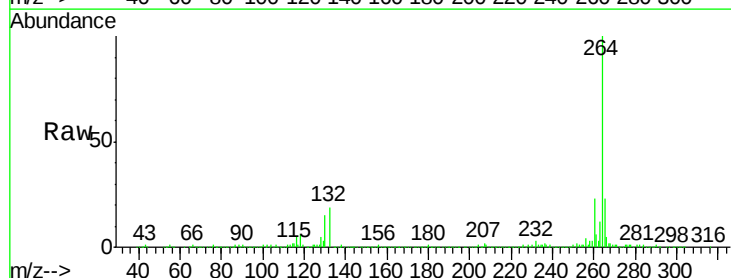


Time--> 19.10 19.20 19.30

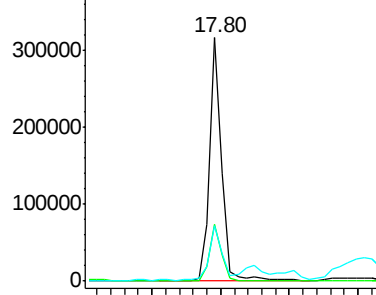


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.80 min Scan# 1479
 Delta R.T. -0.02 min
 Lab File: BF077566.D
 Acq: 4 Mar 2015 1:56

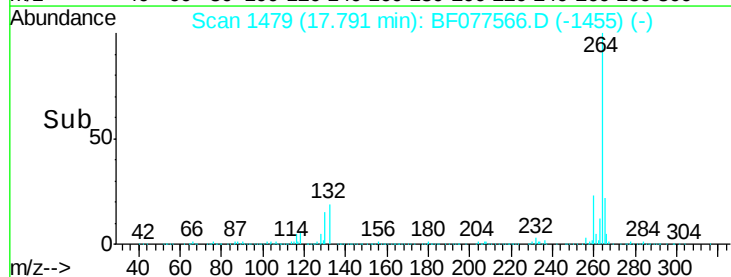
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.3	28.9
265	22.7	16.8	25.2

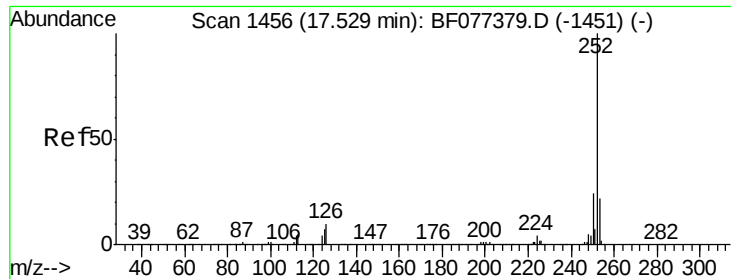


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E



Time--> 17.70 17.80 17.90





#87

Benzo(b)fluoranthene

Concen: 32.29 ng m

RT: 17.37 min Scan# 1442

Delta R.T. -0.02 min

Lab File: BF077566.D

Acq: 4 Mar 2015 1:56

Instrument :

BNA_F

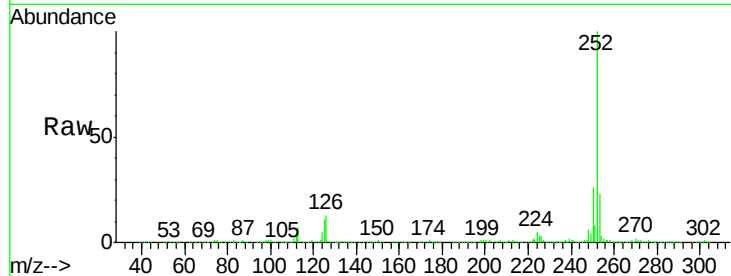
ClientSampleId :

SB9DL

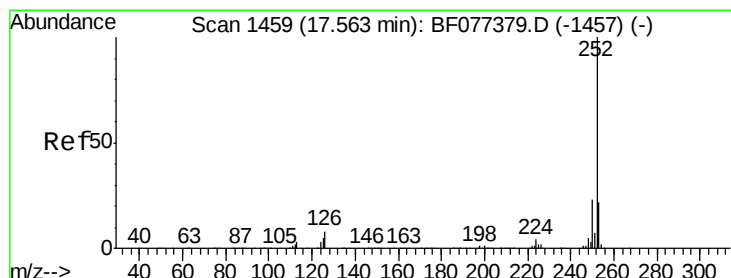
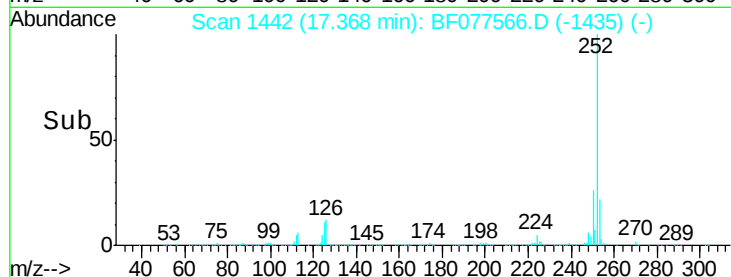
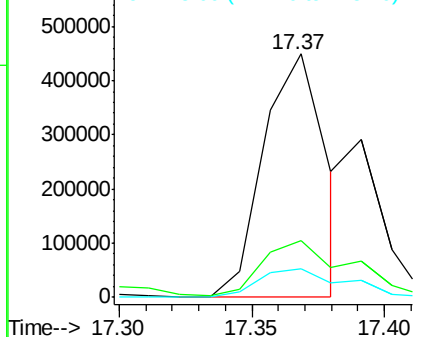
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	23.2	17.6	26.4	
125	11.5	5.4	8.2#	

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 12.44 ng m

RT: 17.39 min Scan# 1444

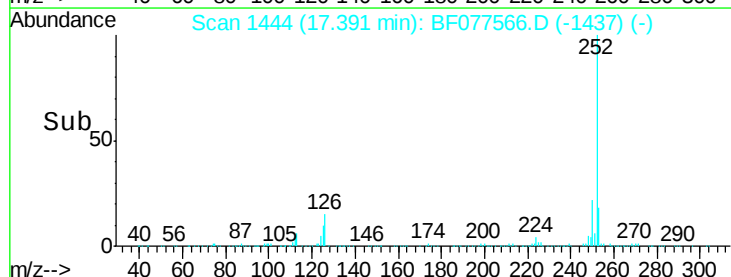
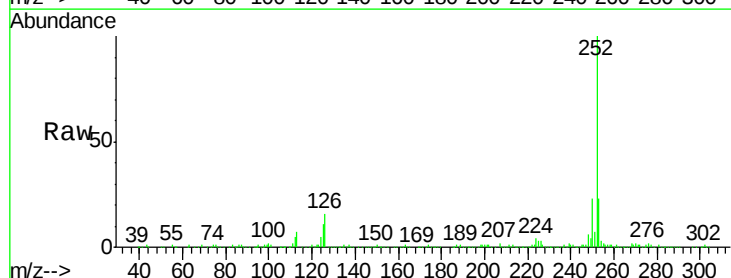
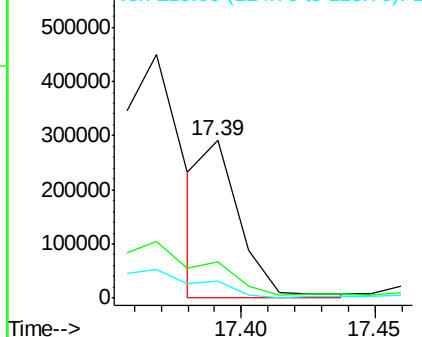
Delta R.T. -0.02 min

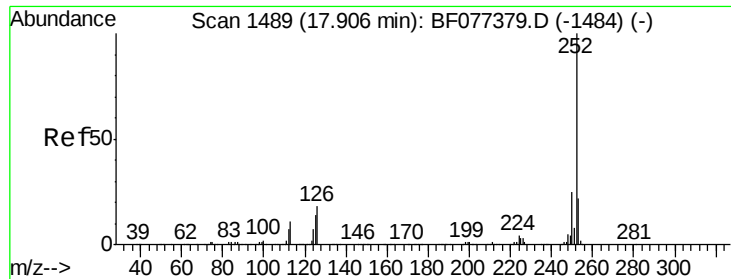
Lab File: BF077566.D

Acq: 4 Mar 2015 1:56

Tgt	Ion	Ratio	Lower	Upper
252	100			
253	23.3	18.1	27.1	
125	10.6	10.1	15.1	

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 25.20 ng

RT: 17.73 min Scan# 1474

Delta R.T. -0.03 min

Lab File: BF077566.D

Acq: 4 Mar 2015 1:56

Instrument :

BNA_F

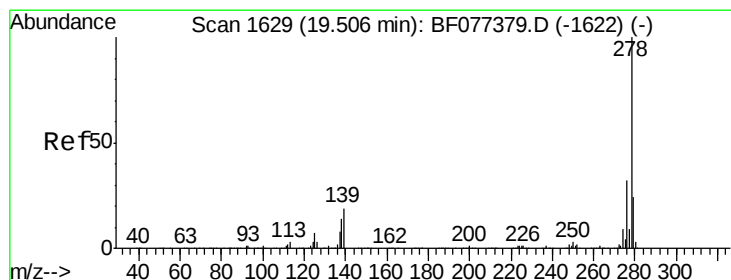
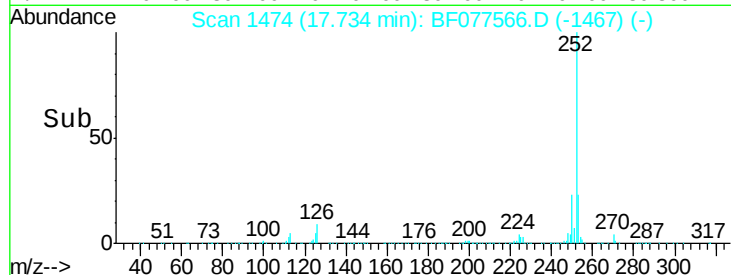
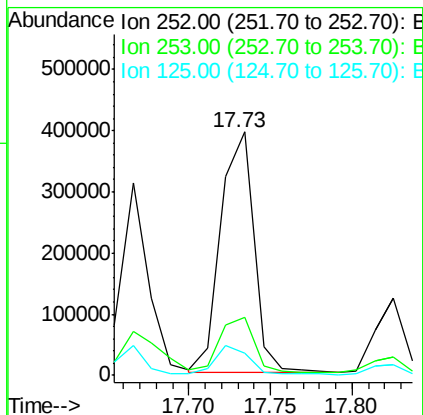
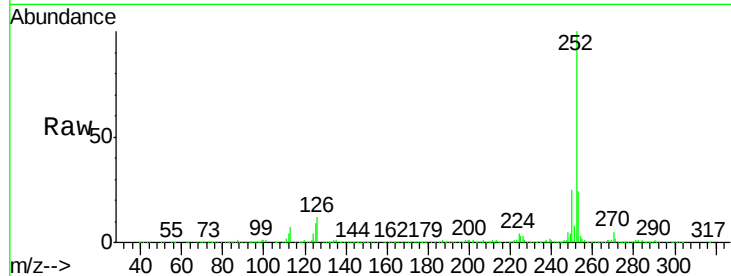
ClientSampleId :

SB9DL

Tgt Ion:	252	Resp:	548437
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.2	27.2
125	9.1	8.3	12.5

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#90

Dibenzo(a,h)anthracene

Concen: 3.45 ng

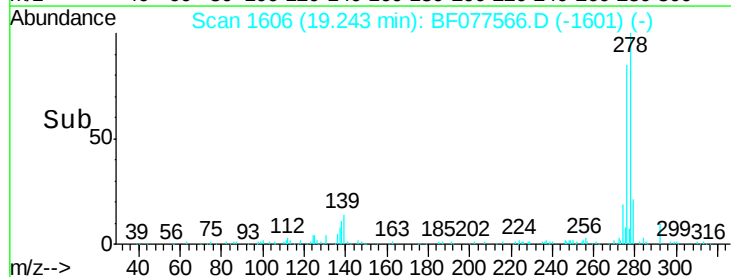
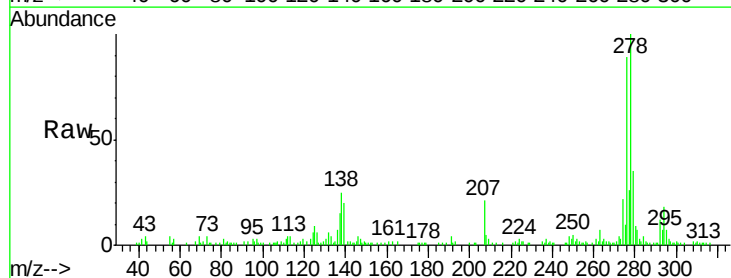
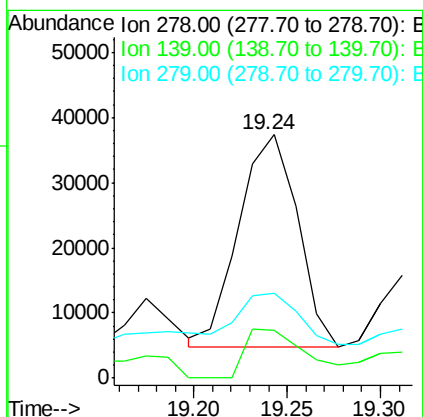
RT: 19.24 min Scan# 1606

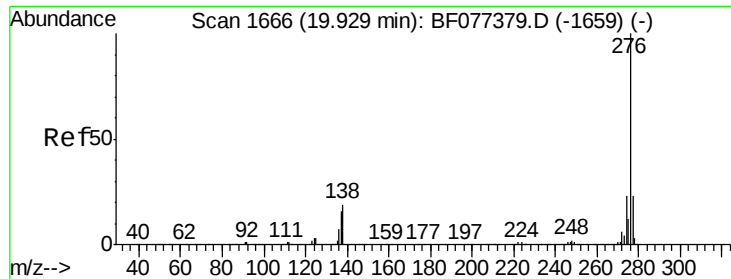
Delta R.T. -0.05 min

Lab File: BF077566.D

Acq: 4 Mar 2015 1:56

Tgt Ion:	278	Resp:	71607
Ion Ratio	Lower	Upper	
278	100		
139	19.6	14.3	21.5
279	35.0	19.0	28.6#





#91
 Benzo(g,h,i)perylene
 Concen: 11.85 ng
 RT: 19.65 min Scan# 1641
 Delta R.T. -0.04 min
 Lab File: BF077566.D
 Acq: 4 Mar 2015 1:56

Instrument :
 BNA_F
 ClientSampleId :
 SB9DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.2	18.9	28.3
138	23.0	20.5	30.7

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