

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
 Data File : BF085775.D
 Acq On : 25 Mar 2016 21:44
 Operator : UM/SJ
 Sample : H1855-11 2X
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7

Manual Integrations
 APPROVED

Sohil
 3/28/2016 7:59:29 PM

Quant Time: Mar 28 14:43:31 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 14:15:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	115909	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	402143	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	164684	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	251814	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	241692	20.00	ng	0.00
86) Perylene-d12	15.40	264	207154	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	10948	1.57	ng	0.02
7) Phenol-d6	6.47	99	18916	2.14	ng	0.01
23) Nitrobenzene-d5	7.40	82	8658	1.21	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	3134	2.00	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	20262	2.06	ng	0.00
78) Terphenyl-d14	12.93	244	15486	1.32	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.58	163	89565	7.17	ng	99
70) Phenanthrene	11.36	178	77915	6.03	ng	99
74) Fluoranthene	12.55	202	176385	12.83	ng	96
77) Pyrene	12.78	202	170768	8.60	ng	99
80) Benzo(a)anthracene	13.97	228	74817	5.43	ng	97
82) Chrysene	14.00	228	85163m	6.13	ng	
83) Bis(2-ethylhexyl)phthalate	13.96	149	21451	2.15	ng	98
85) Indeno(1,2,3-cd)pyrene	16.78	276	32282	3.01	ng	94
87) Benzo(b)fluoranthene	15.00	252	104352m	8.00	ng	
88) Benzo(k)fluoranthene	15.02	252	33191m	2.82	ng	
89) Benzo(a)pyrene	15.34	252	65944	5.69	ng	97
91) Benzo(a,h,i)perylene	17.19	276	32222	2.96	ng	96

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

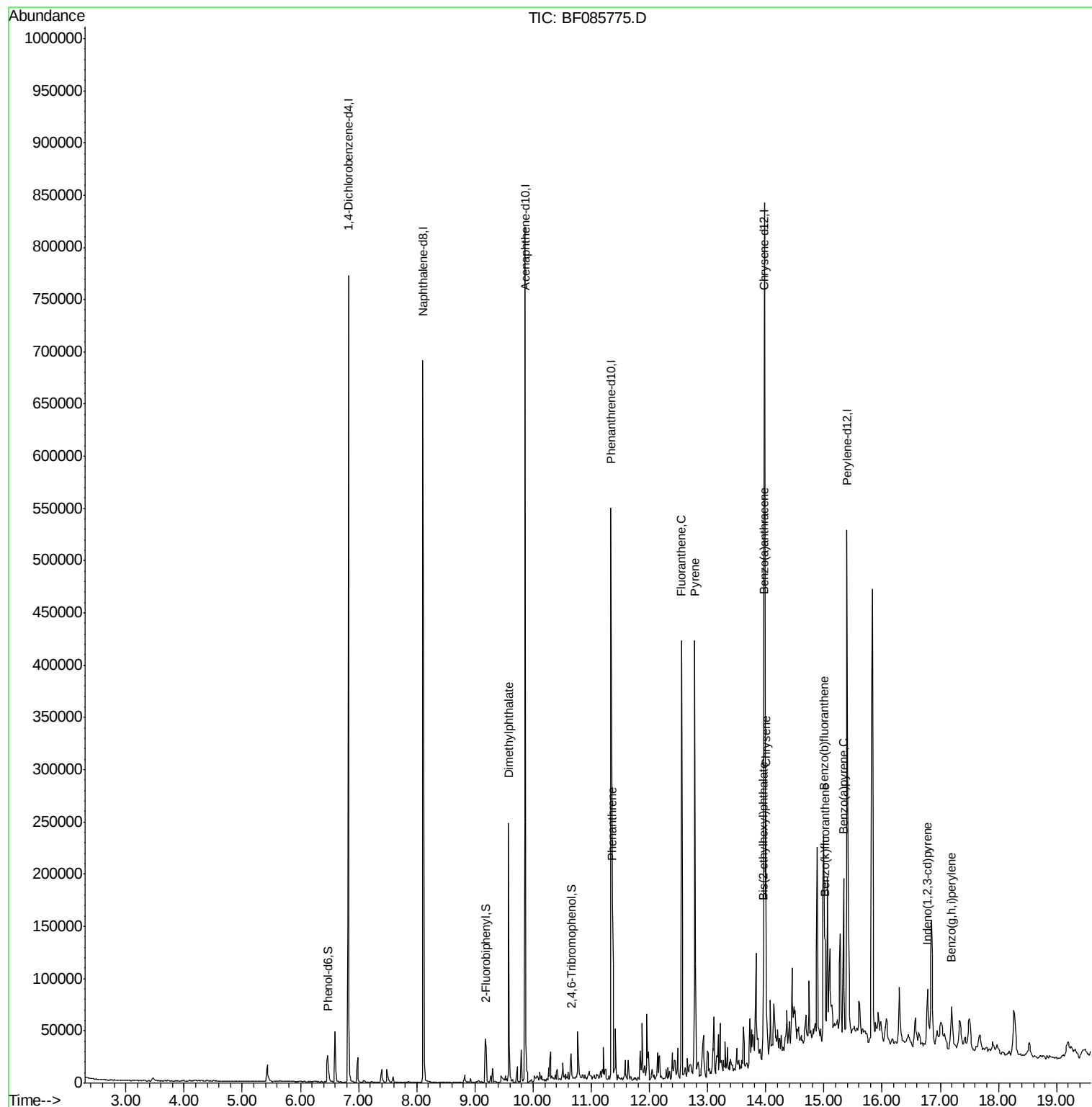
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
Data File : BF085775.D
Acq On : 25 Mar 2016 21:44
Operator : UM/SJ
Sample : H1855-11 2X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
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#1

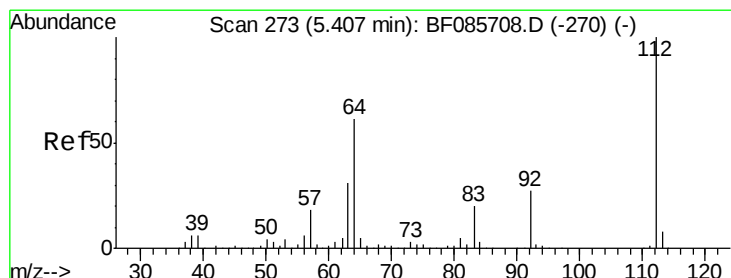
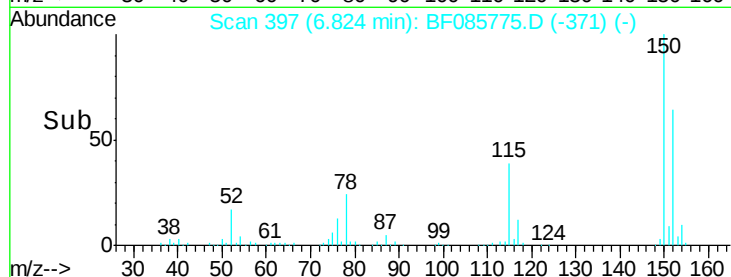
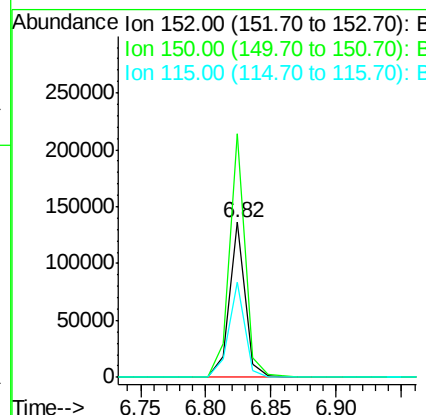
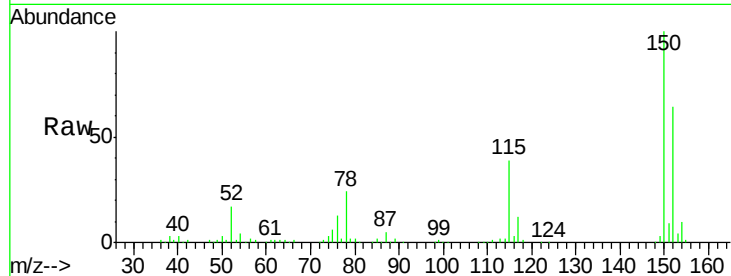
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 397
Delta R.T. -0.00 min
Lab File: BF085775.D
Acq: 25 Mar 2016 21:44

Instrument :
BNA_F
ClientSampled :
SB-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.2	186.2
115	61.7	47.0	70.6

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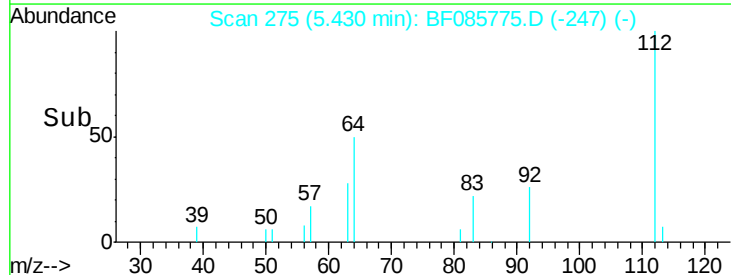
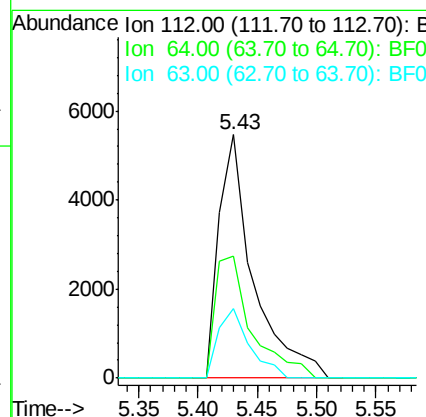
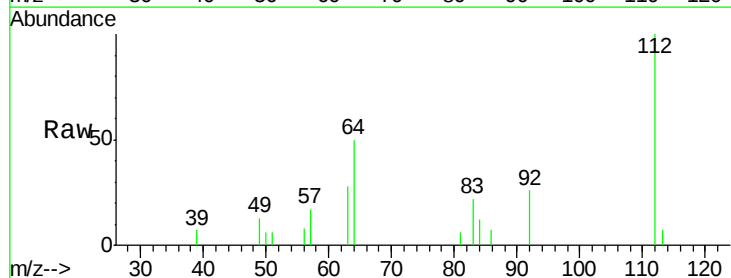
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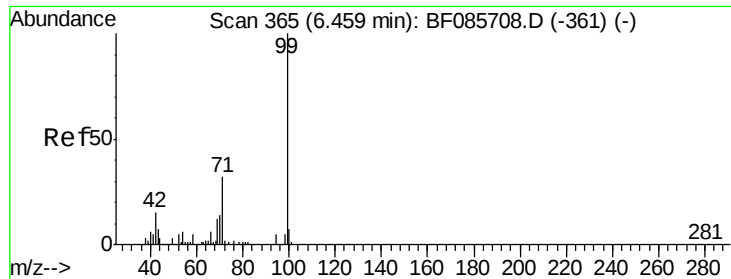


#5

2-Fluorophenol
Concen: 1.57 ng
RT: 5.43 min Scan# 275
Delta R.T. 0.02 min
Lab File: BF085775.D
Acq: 25 Mar 2016 21:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.3	39.9	59.9
63	28.4	20.2	30.2





#7

Phenol-d6

Concen: 2.14 ng

RT: 6.47 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF085775.D

Acq: 25 Mar 2016 21:44

Instrument :

BNA_F

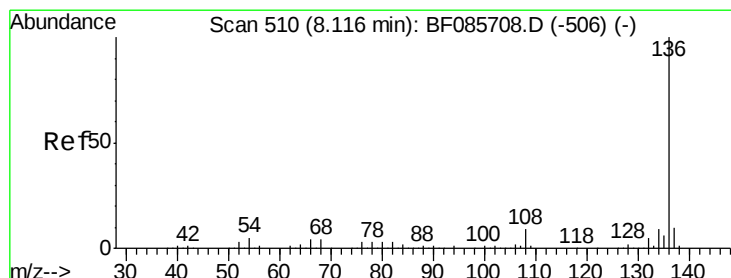
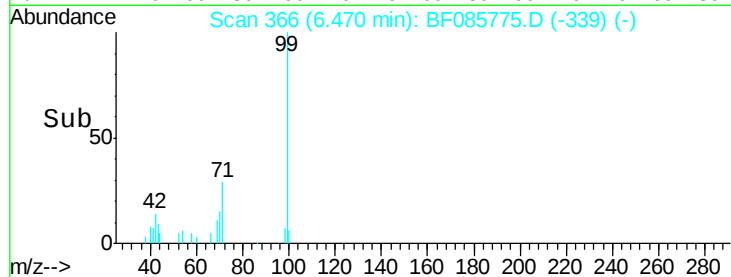
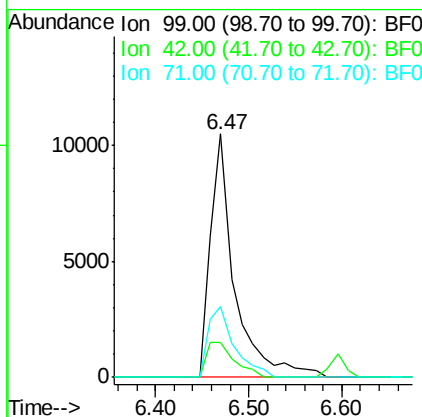
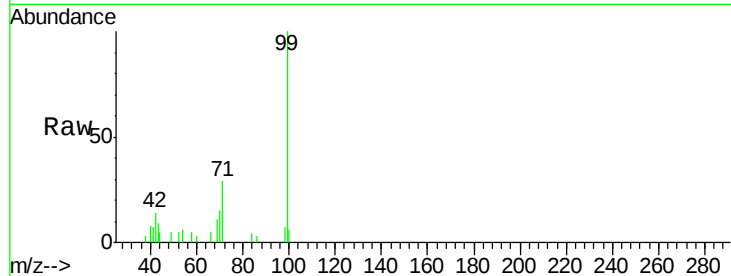
ClientSampleId :

SB-7

Tot Ion:	99	Resp:	18916
Ion Ratio	Lower	Upper	
99	100		
42	14.3	11.1	16.7
71	29.1	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

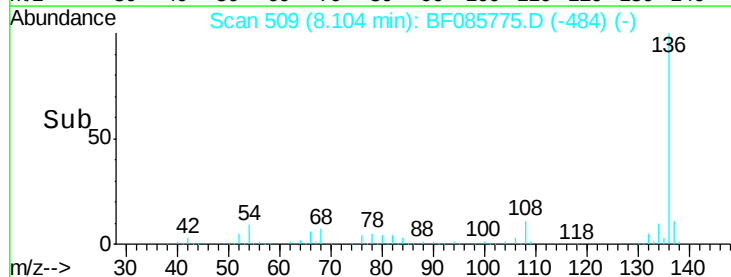
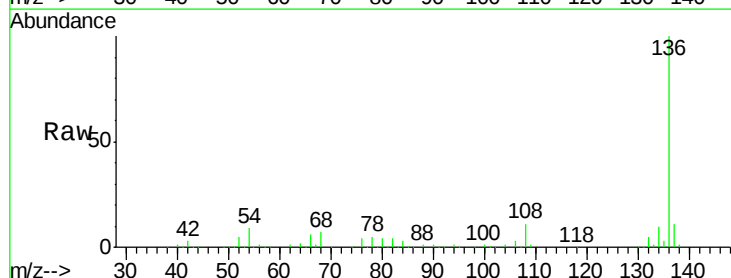
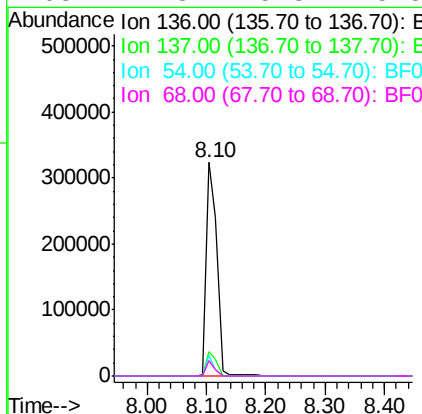
RT: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085775.D

Acq: 25 Mar 2016 21:44

Tgt Ion:	136	Resp:	402143
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.1	13.7
54	9.4	7.4	11.0
68	7.3	5.8	8.8





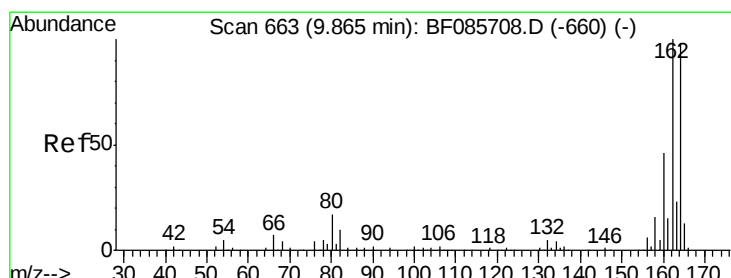
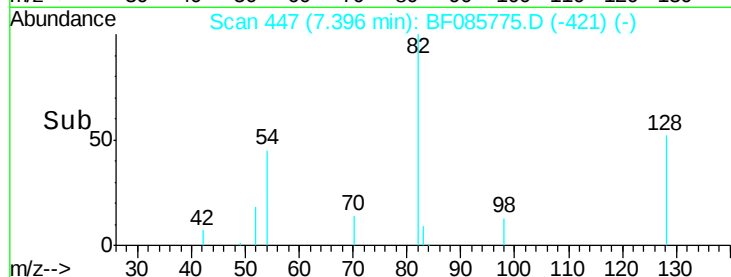
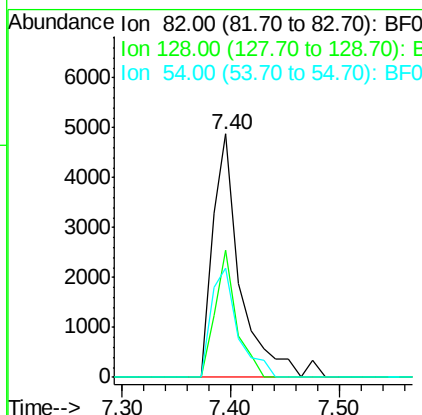
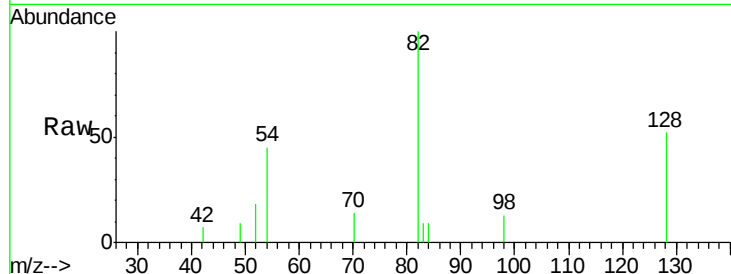
#23
 Nitrobenzene-d5
 Concen: 1.21 ng
 RT: 7.40 min Scan# 447
 Delta R.T. -0.00 min
 Lab File: BF085775.D
 Acq: 25 Mar 2016 21:44

Instrument :
 BNA_F
 ClientSampled :
 SB-7

Tot Ion	82	Resp	8658
Ion Ratio	100	Lower	Upper
82	100		
128	52.0	41.8	62.8
54	44.7	33.4	50.0

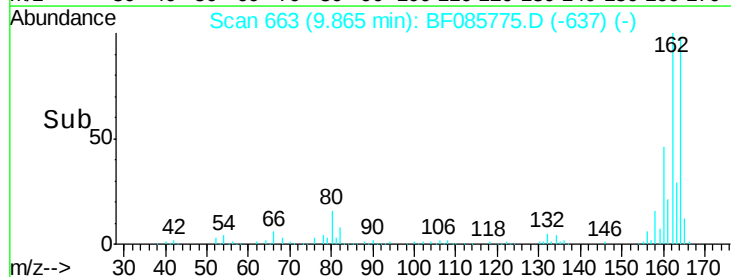
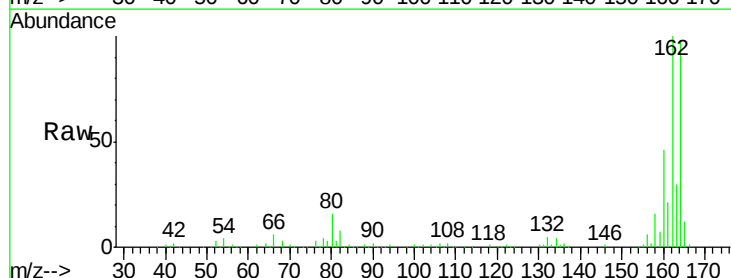
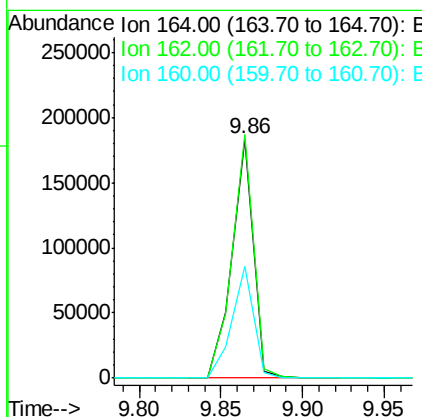
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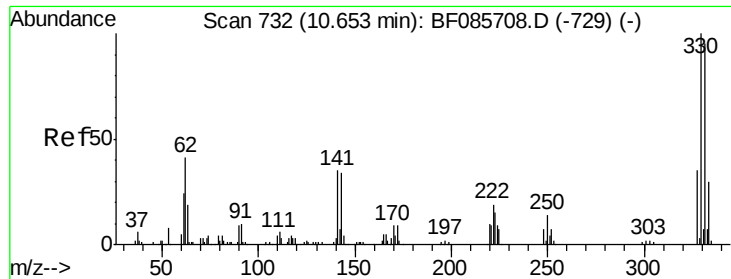
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF085775.D
 Acq: 25 Mar 2016 21:44

Tgt Ion	164	Resp	164684
Ion Ratio	100	Lower	Upper
164	100		
162	101.8	82.1	123.1
160	46.8	37.4	56.2





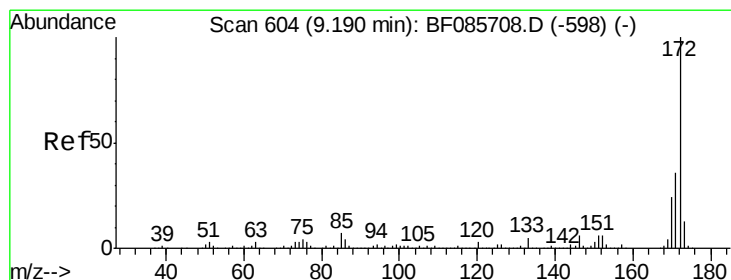
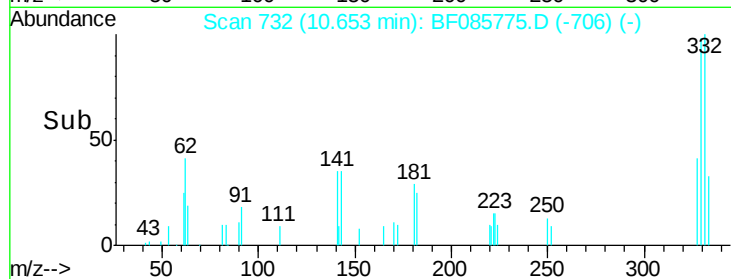
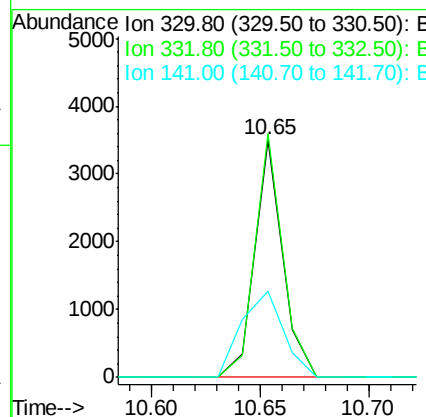
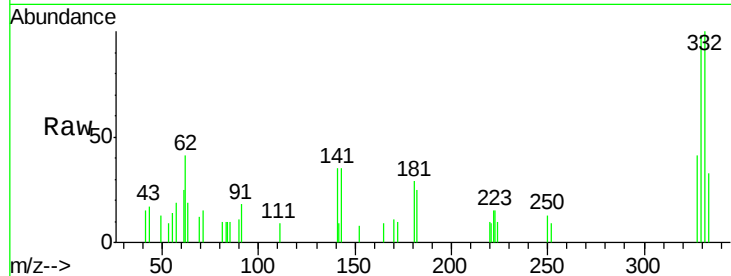
#41
 2,4,6-Tribromophenol
 Concen: 2.00 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF085775.D
 Acq: 25 Mar 2016 21:44

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
330	100		
332	101.7	78.2	117.2
141	54.6	31.5	47.3

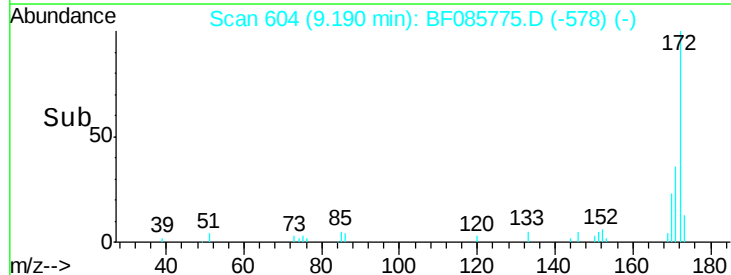
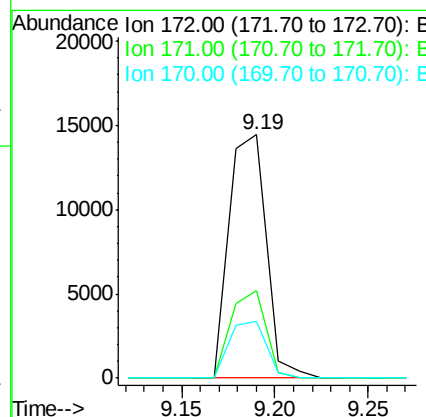
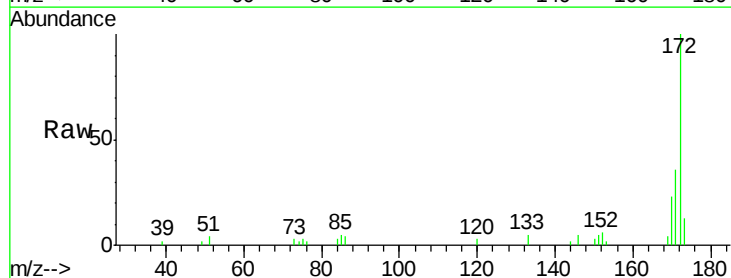
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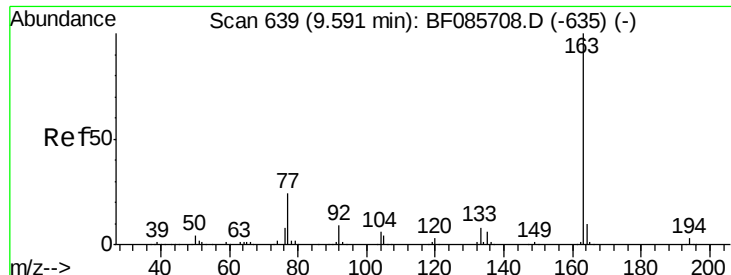
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#44
 2-Fluorobiphenyl
 Concen: 2.06 ng
 RT: 9.19 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: BF085775.D
 Acq: 25 Mar 2016 21:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.2
170	23.1	19.8	29.6





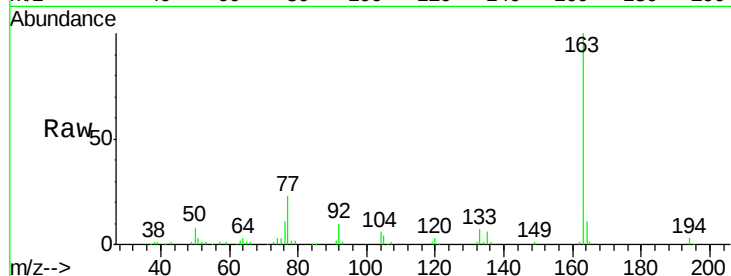
#49
Dimethylphthalate
Concen: 7.17 ng
RT: 9.58 min Scan# 638
Delta R.T. -0.01 min
Lab File: BF085775.D
Acq: 25 Mar 2016 21:44

Instrument :
BNA_F
ClientSampled :
SB-7

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.3	2.9	4.3
164	10.5	8.3	12.5

Manual Integrations
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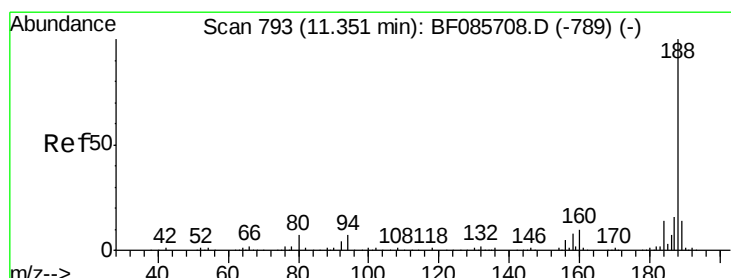
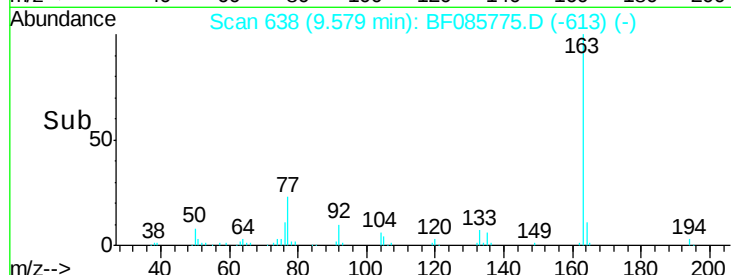
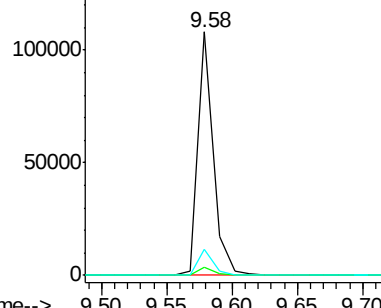


Abundance

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: 11.34 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF085775.D
Acq: 25 Mar 2016 21:44

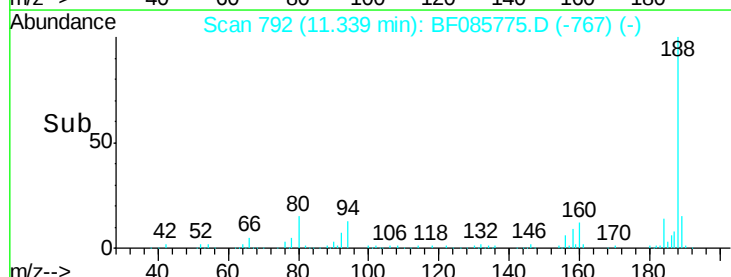
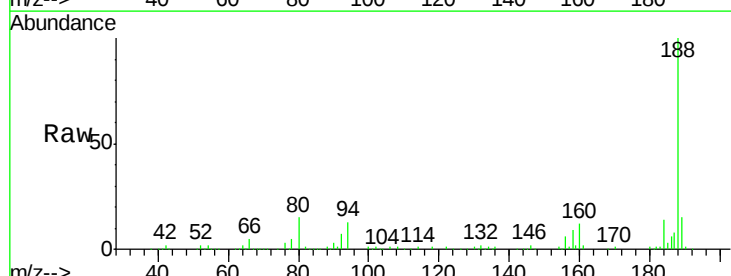
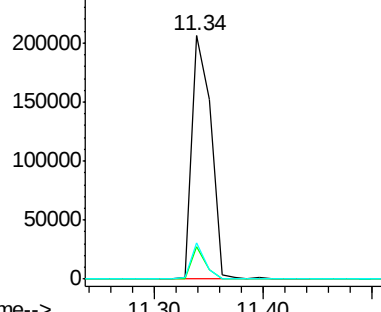
Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	13.4	5.4	8.0#
80	14.7	5.5	8.3#

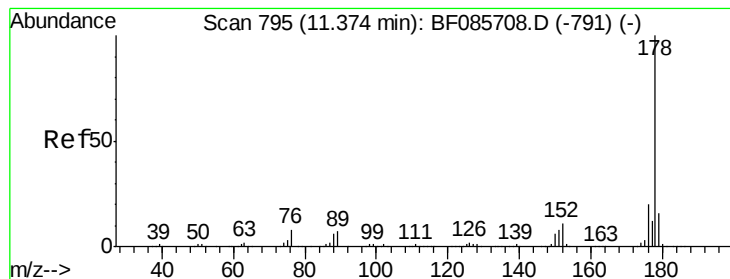
Abundance

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: 6.03 ng

RT: 11.36 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF085775.D

Acq: 25 Mar 2016 21:44

Instrument :

BNA_F

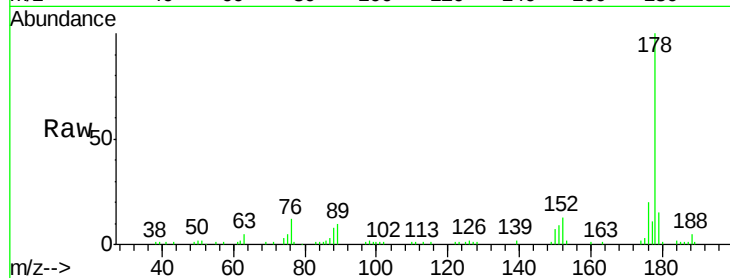
ClientSampleId :

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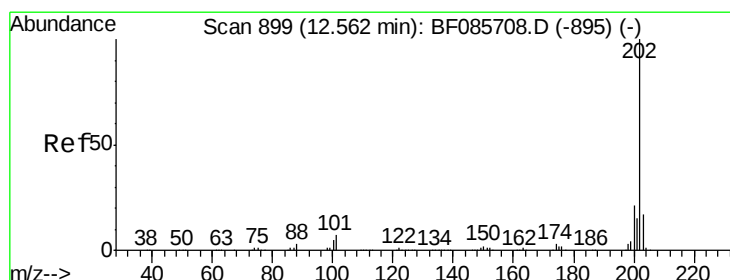
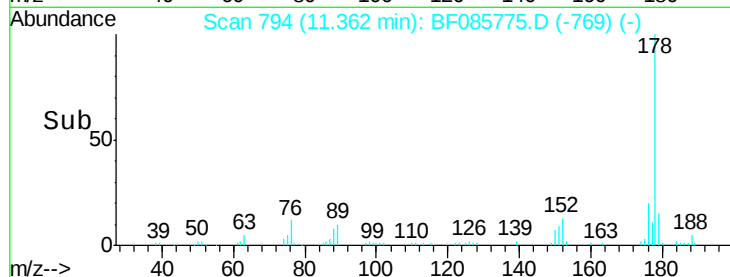
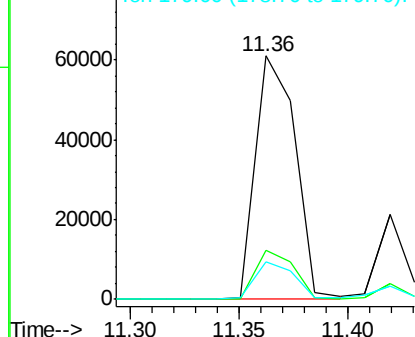
Tot Ion:	178	Resp:	77915
Ion Ratio	Lower	Upper	
178	100		
176	19.9	16.3	24.5
179	15.4	12.6	18.8

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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: 12.83 ng

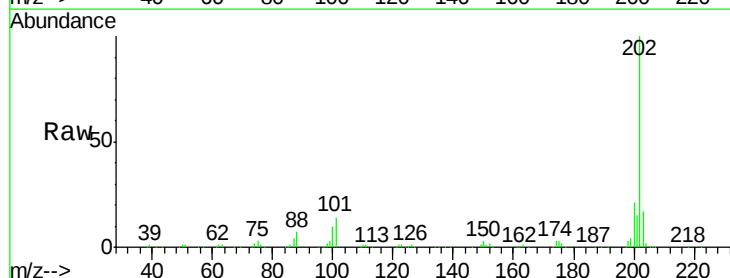
RT: 12.55 min Scan# 898

Delta R.T. -0.01 min

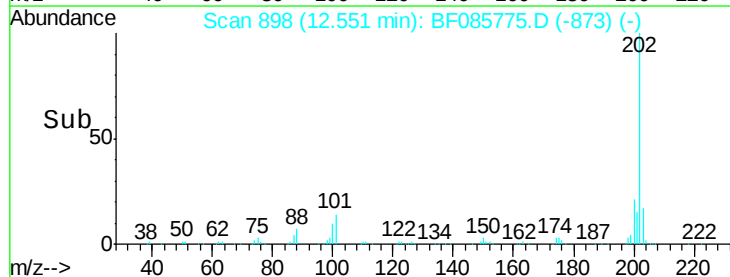
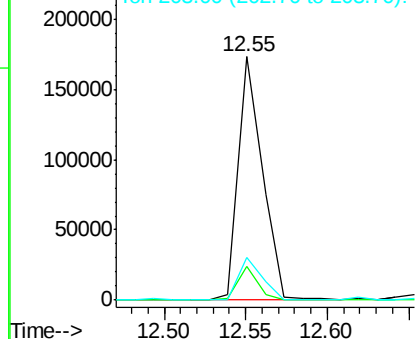
Lab File: BF085775.D

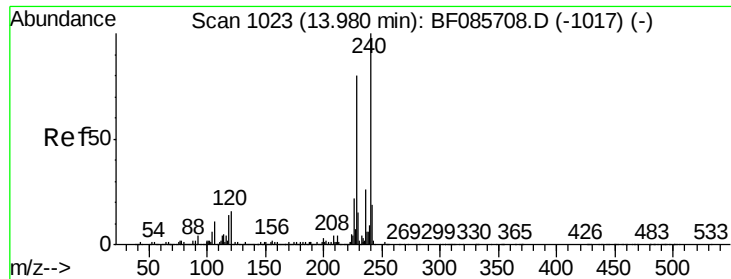
Acq: 25 Mar 2016 21:44

Tgt Ion:	202	Resp:	176385
Ion Ratio	Lower	Upper	
202	100		
101	14.0	0.0	36.6
203	17.5	0.0	38.1



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: 13.98 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF085775.D

Acq: 25 Mar 2016 21:44

Instrument :

BNA_F

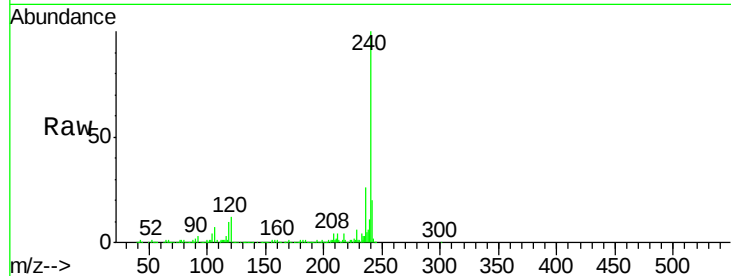
ClientSampleId :

SB-7

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.3	13.8	20.8#
236	26.1	20.6	30.8

Manual Integrations
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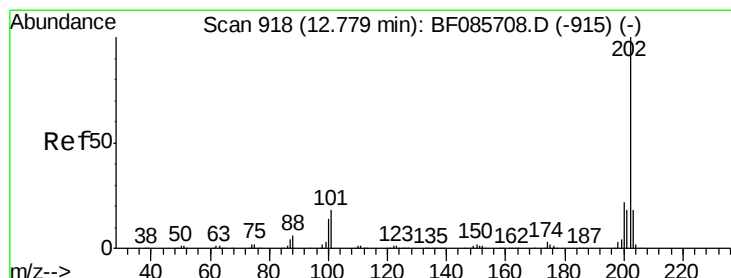
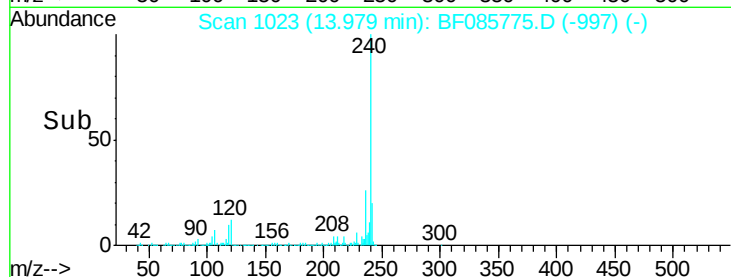
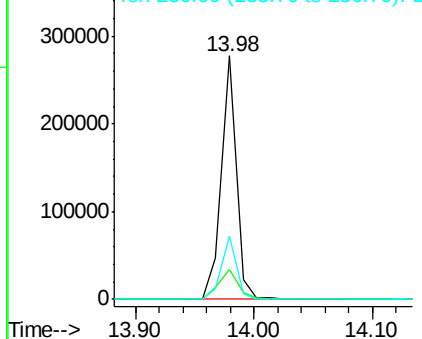
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.60 ng

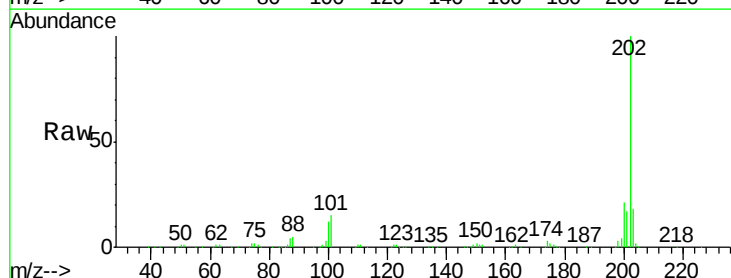
RT: 12.78 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF085775.D

Acq: 25 Mar 2016 21:44

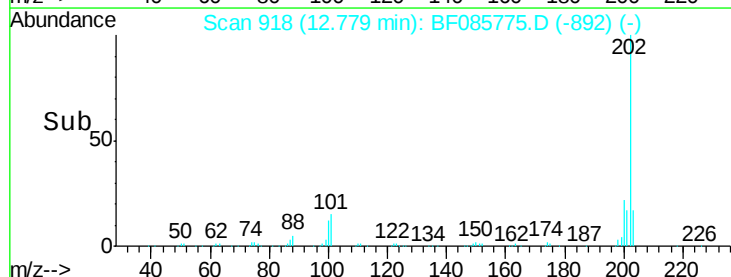
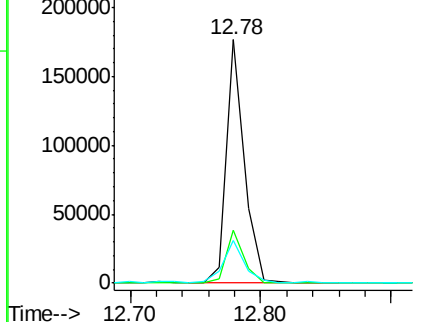
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	17.6	14.0	21.0

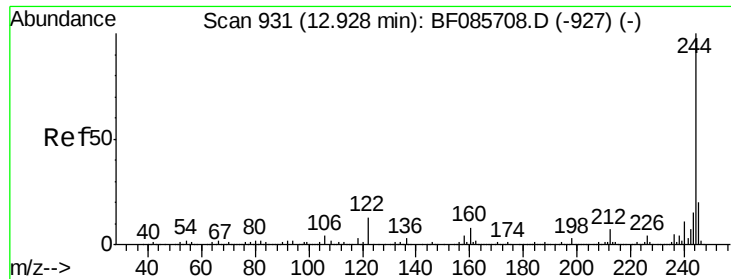


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





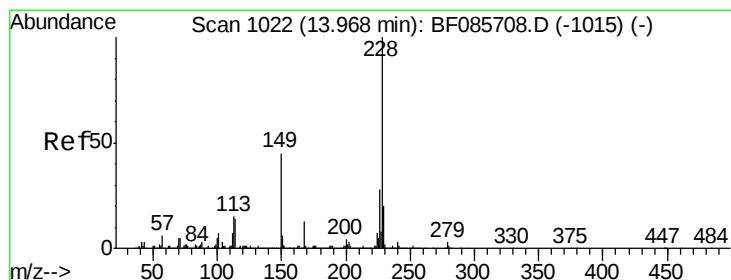
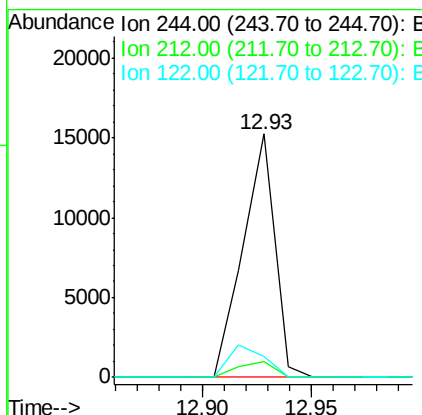
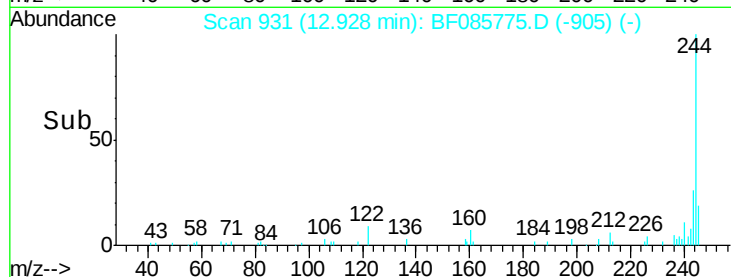
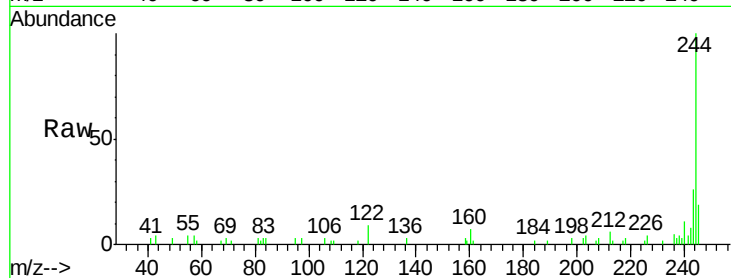
#78
 Terphenyl-d14
 Concen: 1.32 ng
 RT: 12.93 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: BF085775.D
 Acq: 25 Mar 2016 21:44

Instrument :
 BNA_F
 ClientSampled :
 SB-7

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.1	9.1
122	8.7	10.2	15.4

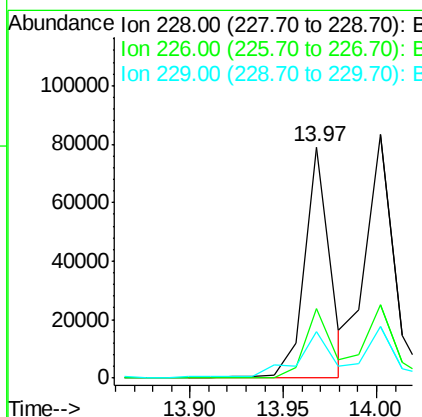
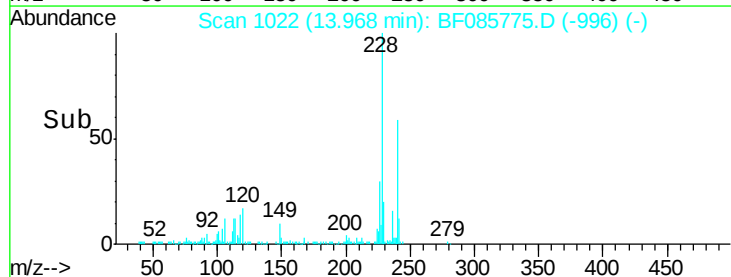
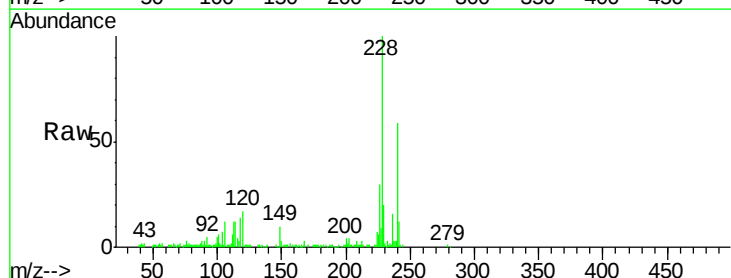
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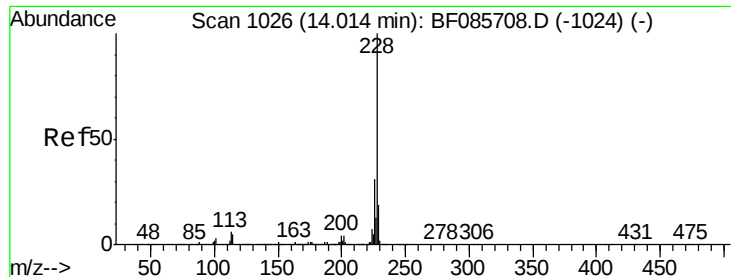
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#80
 Benzo(a)anthracene
 Concen: 5.43 ng
 RT: 13.97 min Scan# 1022
 Delta R.T. -0.00 min
 Lab File: BF085775.D
 Acq: 25 Mar 2016 21:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.1	33.1
229	20.3	16.2	24.4





#82

Chrysene

Concen: 6.13 ng/mL

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085775.D

Acq: 25 Mar 2016 21:44

Instrument :

BNA_F

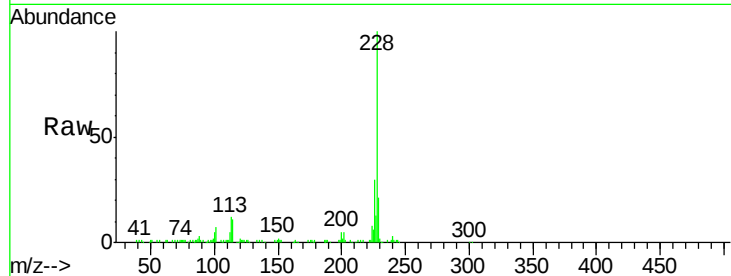
ClientSampled :

SB-7

Tot Ion:	228	Resp:	85163
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	21.3	15.7	23.5

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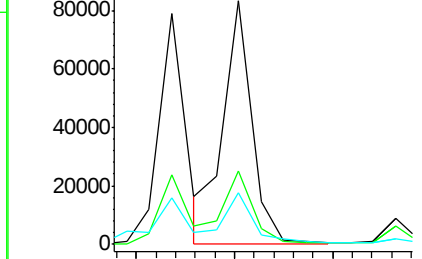
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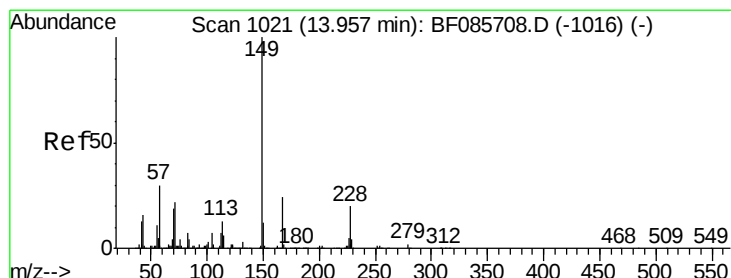
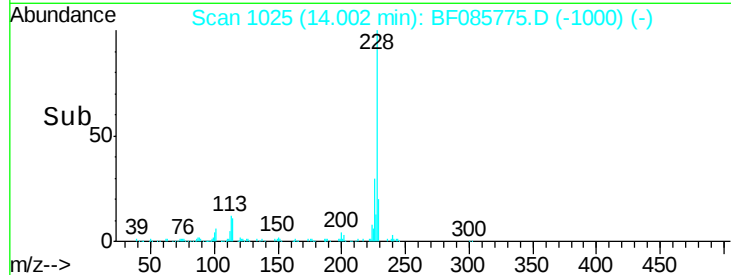
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.15 ng/mL

RT: 13.96 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF085775.D

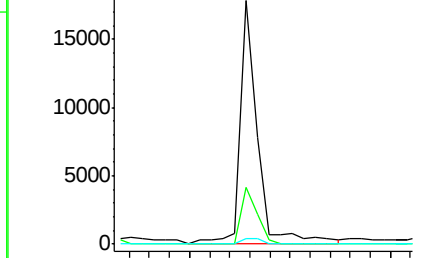
Acq: 25 Mar 2016 21:44

Tgt Ion:	149	Resp:	21451
Ion Ratio	Lower	Upper	
149	100		
167	23.4	19.4	29.2
279	2.2	1.5	2.3

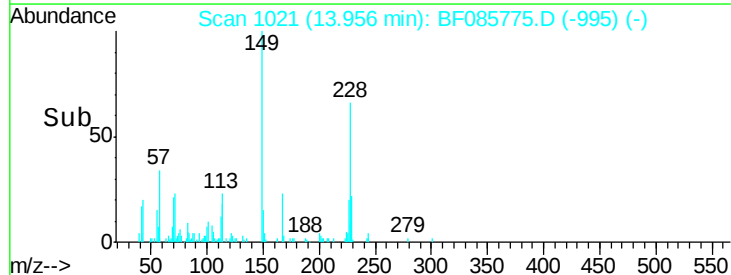
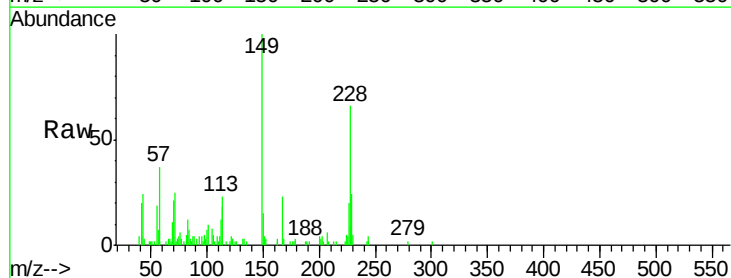
Abundance Ion 149.00 (148.70 to 149.70): E

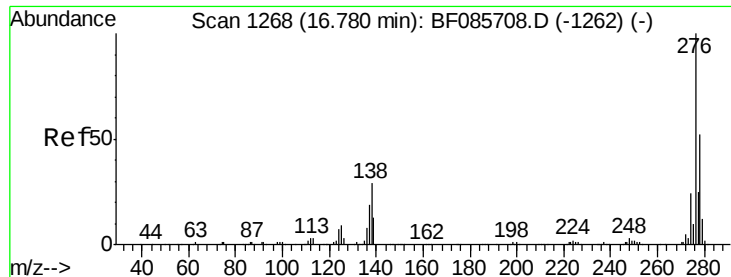
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





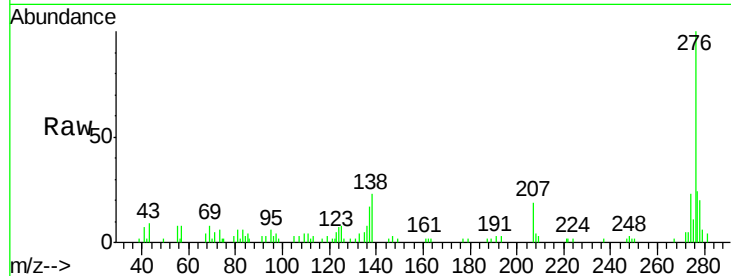
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.01 ng
RT: 16.78 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BF085775.D
Acq: 25 Mar 2016 21:44

Instrument :
BNA_F
ClientSampled :
SB-7

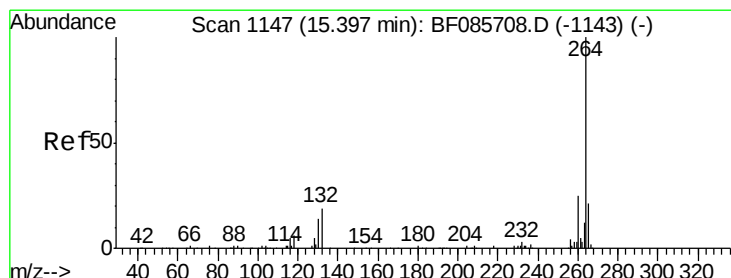
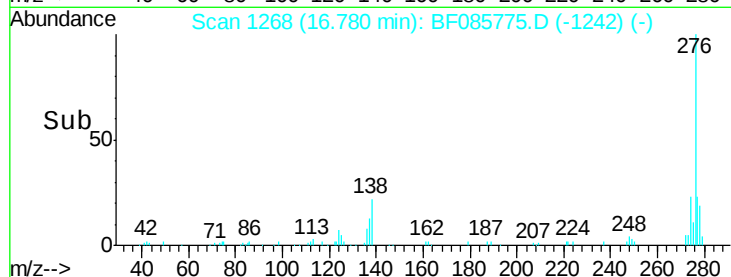
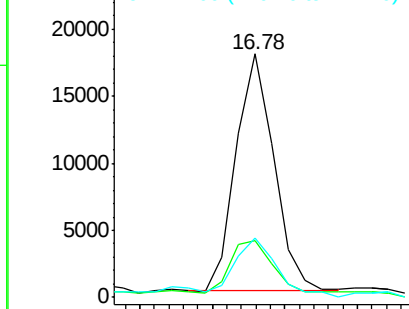
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.3	24.2	36.4
277	27.6	20.0	30.0

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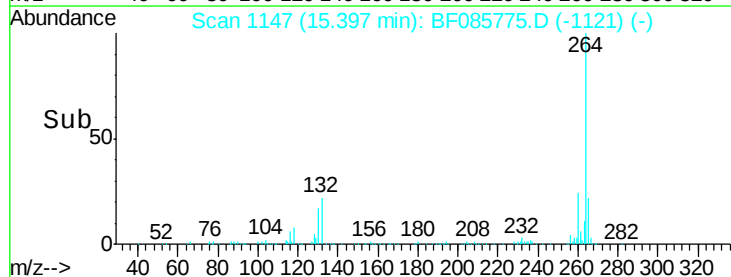
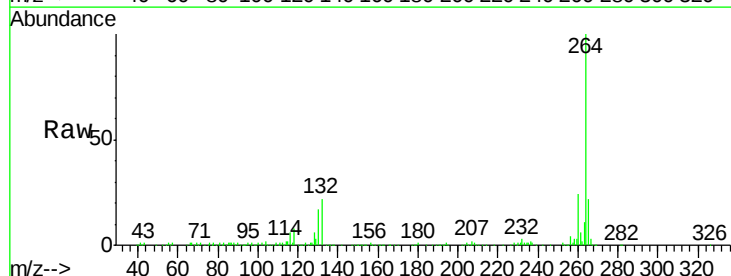
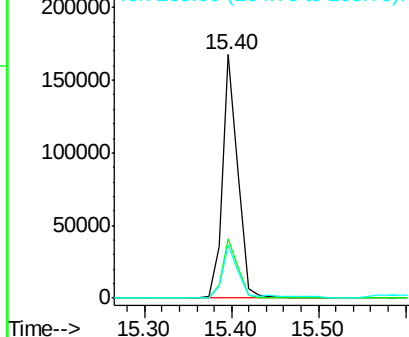
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

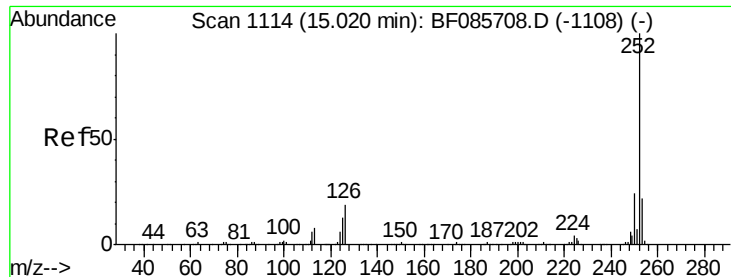


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF085775.D
Acq: 25 Mar 2016 21:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	22.0	17.2	25.8

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





#87

Benzo(b)fluoranthene

Concen: 8.00 ng m

RT: 15.00 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BF085775.D

Acq: 25 Mar 2016 21:44

Instrument :

BNA_F

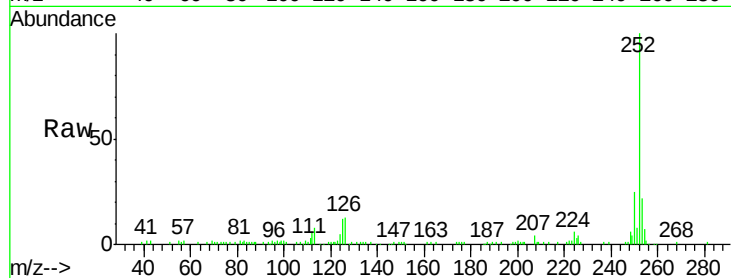
ClientSampled :

SB-7

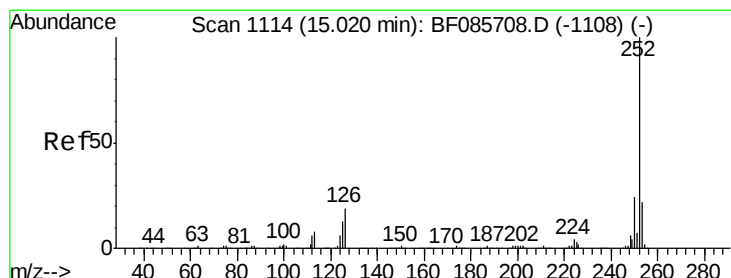
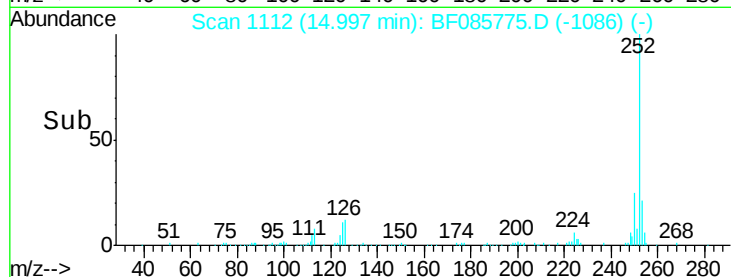
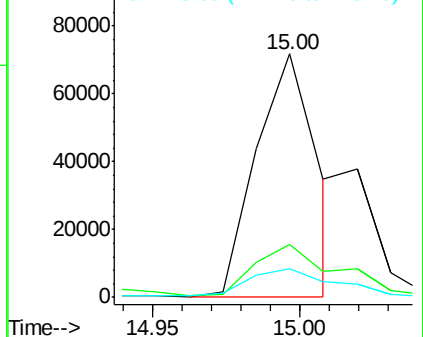
Tot Ion:	252	Resp:	104352
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.6	26.4
125	11.7	10.3	15.5

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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: 2.82 ng m

RT: 15.02 min Scan# 1114

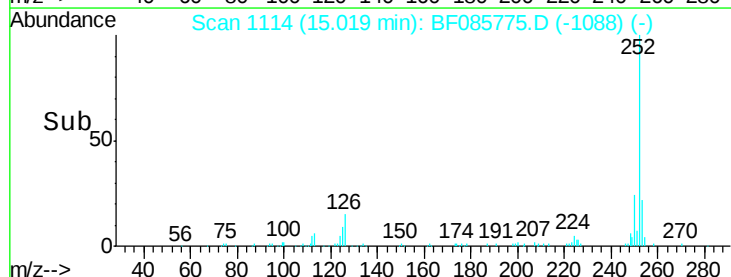
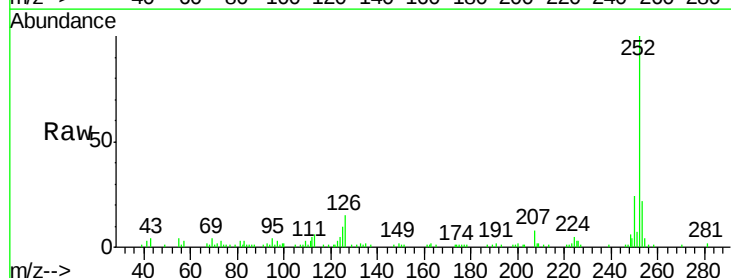
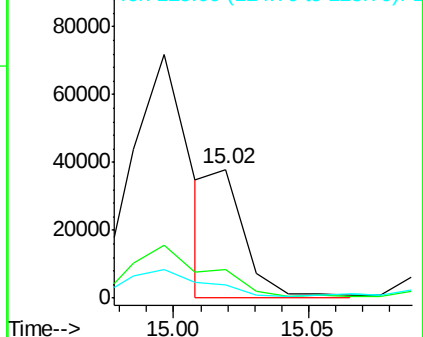
Delta R.T. -0.00 min

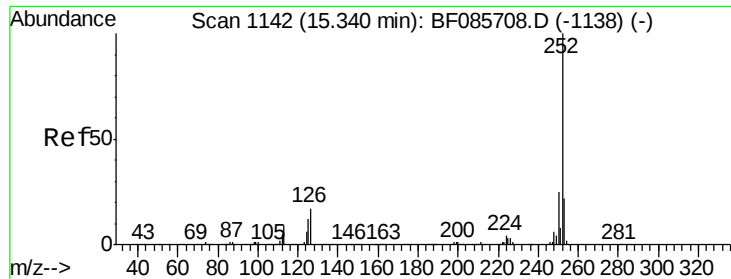
Lab File: BF085775.D

Acq: 25 Mar 2016 21:44

Tgt Ion:	252	Resp:	33191
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.8	26.6
125	10.1	7.7	11.5

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





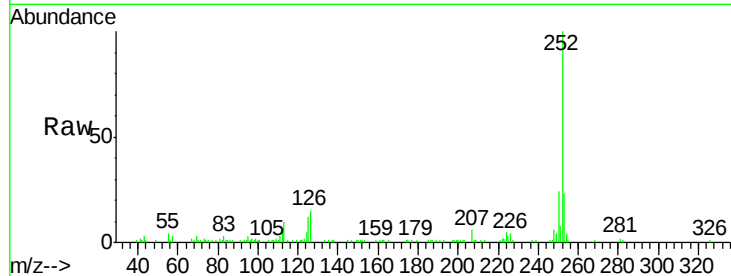
#89
Benzo(a)pyrene
Concen: 5.69 ng
RT: 15.34 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF085775.D
Acq: 25 Mar 2016 21:44

Instrument :
BNA_F
ClientSampled :
SB-7

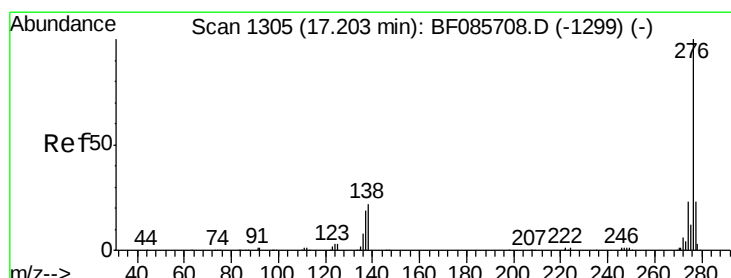
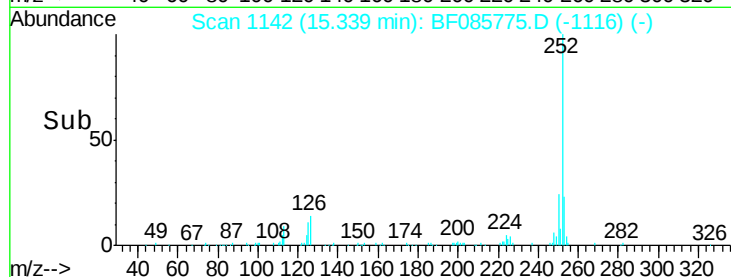
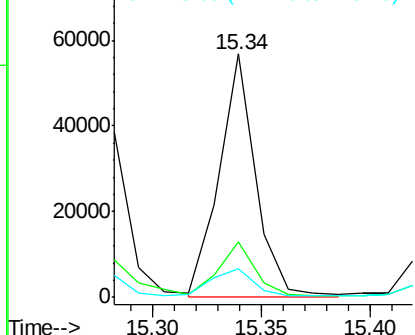
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	11.9	10.3	15.5

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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



#91
Benzo(g,h,i)perylene
Concen: 2.96 ng
RT: 17.19 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF085775.D
Acq: 25 Mar 2016 21:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.8	28.2
138	31.4	22.6	34.0

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

