

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
 Data File : BF086804.D
 Acq On : 8 May 2016 5:44
 Operator : UM/SJ
 Sample : H2720-06
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS2

Manual Integrations
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Quant Time: May 09 01:12:06 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	183786	40.00	ng	-0.03
21) Naphthalene-d8	7.98	136	727830	40.00	ng	-0.05
38) Acenaphthene-d10	9.73	164	337384	40.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	594188	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	391701	40.00	ng	-0.03
86) Perylene-d12	15.22	264	331387	40.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	1267268	114.15	ng	-0.01
7) Phenol-d6	6.37	99	1895835	126.77	ng	0.00
23) Nitrobenzene-d5	7.28	82	1216334	85.88	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	423584	128.34	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	1510570	73.39	ng	-0.03
78) Terphenyl-d14	12.80	244	994043	51.29	ng	-0.05

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.47	163	222095	8.83	ng	98
70) Phenanthrene	11.24	178	212255	6.65	ng	99
74) Fluoranthene	12.42	202	242590	7.58	ng	98
77) Pyrene	12.65	202	202659	6.49	ng	99
80) Benzo(a)anthracene	13.84	228	101204	4.57	ng	# 96
82) Chrysene	13.87	228	110788m	4.69	ng	
87) Benzo(b)fluoranthene	14.84	252	95722m	4.81	ng	
88) Benzo(k)fluoranthene	14.85	252	43583m	2.32	ng	
89) Benzo(a)pyrene	15.17	252	62815	3.42	ng	95

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

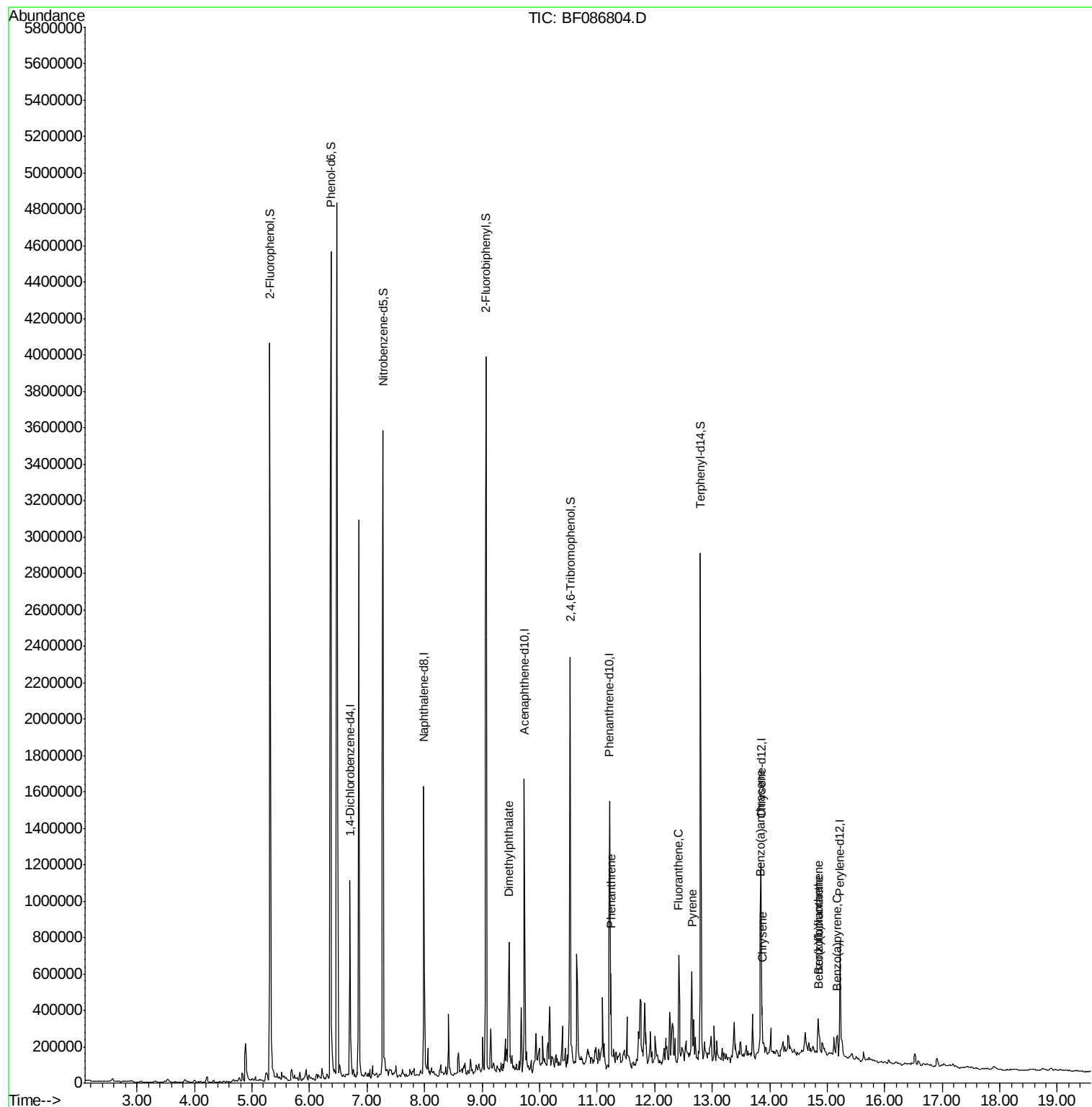
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
Data File : BF086804.D
Acq On : 8 May 2016 5:44
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Misc :
ALS Vial : 72 Sample Multiplier: 1

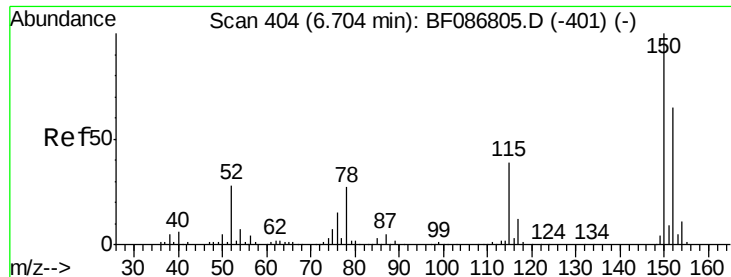
Instrument :
BNA_F
ClientSampleId :
SS2

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Quant Time: May 09 01:12:06 2016
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QLast Update : Wed May 04 15:12:53 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.03 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

Instrument :

BNA_F

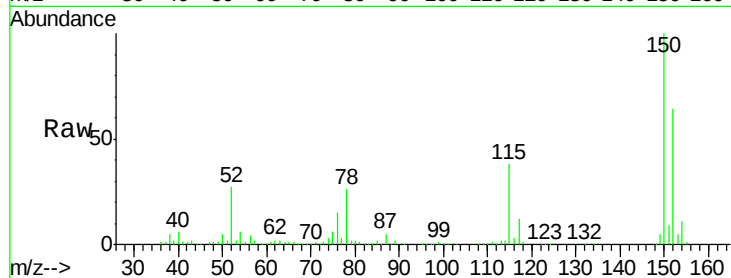
ClientSampleId :

SS2

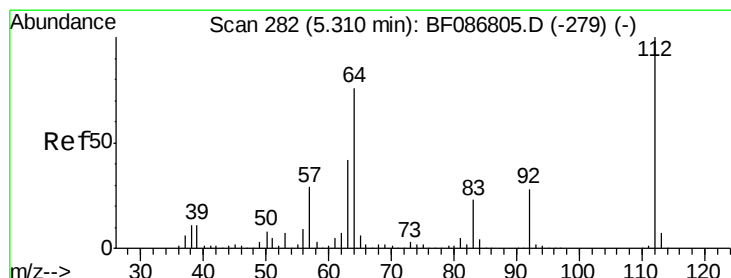
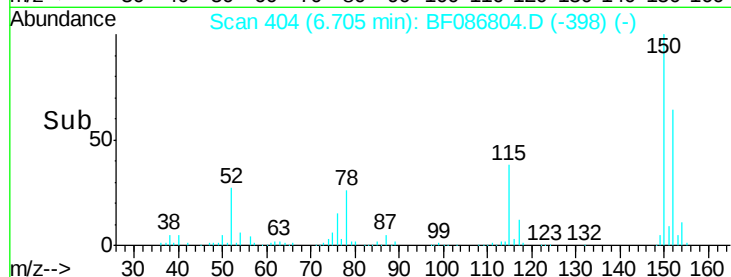
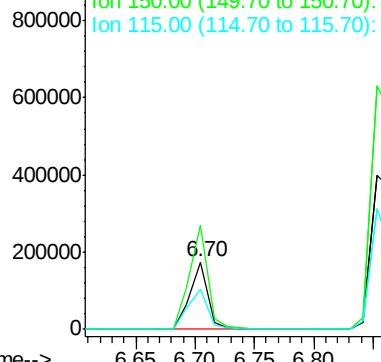
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Tgt Ion:	152	Resp:	183786
Ion Ratio	Lower	Upper	
152	100		
150	156.0	125.8	188.6
115	59.9	51.5	77.3



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 114.15 ng

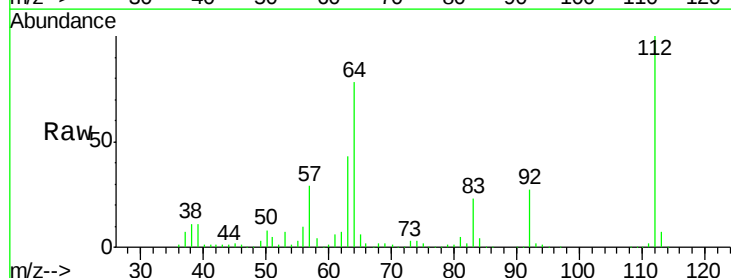
RT: 5.31 min Scan# 282

Delta R.T. -0.01 min

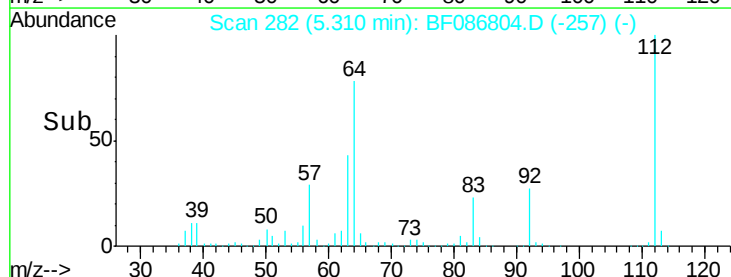
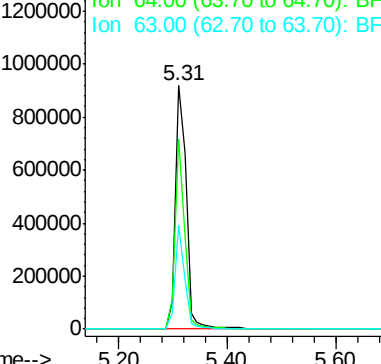
Lab File: BF086804.D

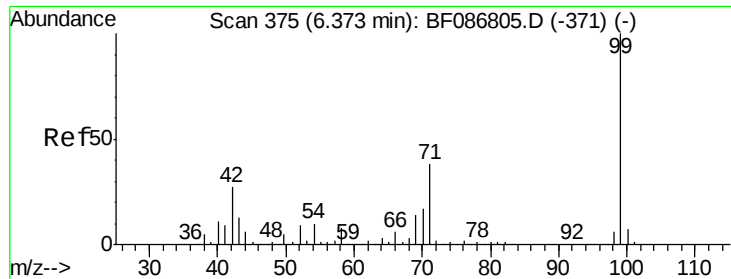
Acq: 8 May 2016 5:44

Tgt Ion:	112	Resp:	1267268
Ion Ratio	Lower	Upper	
112	100		
64	78.1	52.1	78.1
63	42.8	25.7	38.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 126.77 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

Instrument :

BNA_F

ClientSampleId :

SS2

Tgt Ion: 99 Resp: 1895835

Ion Ratio Lower Upper

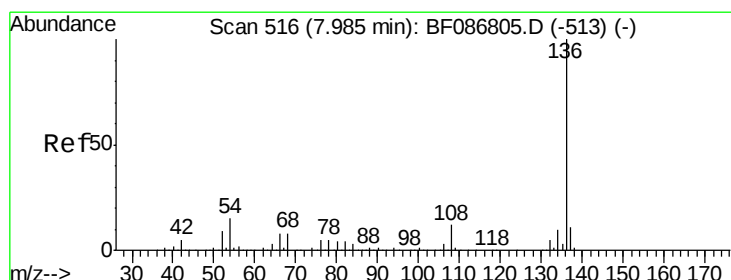
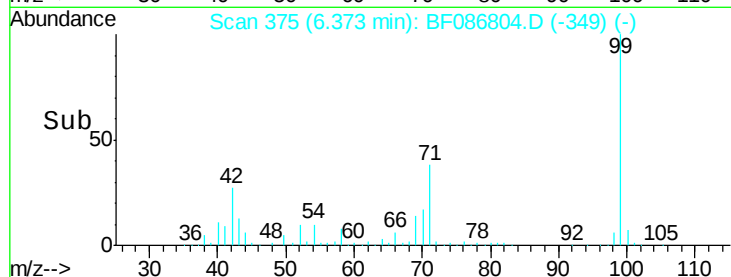
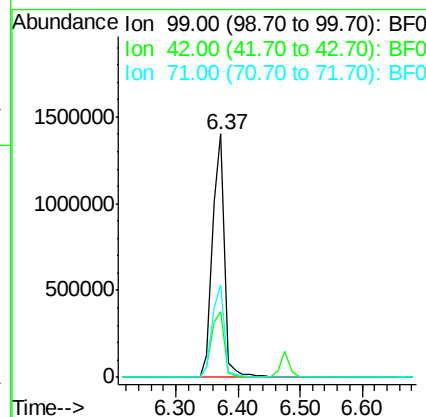
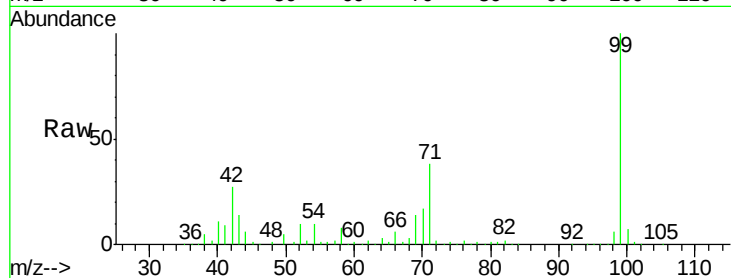
99 100

42 27.2 13.6 20.4#

71 37.9 24.6 36.8#

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#21

Naphthalene-d8

Concen: 40.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.05 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

Tgt Ion: 136 Resp: 727830

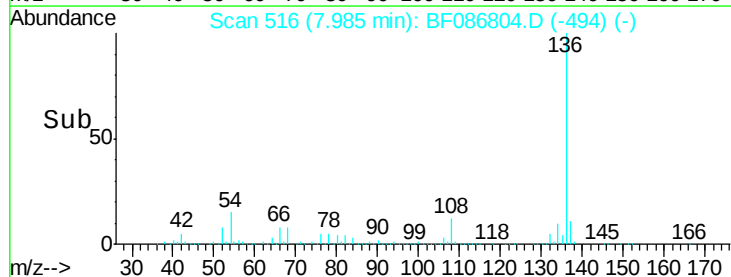
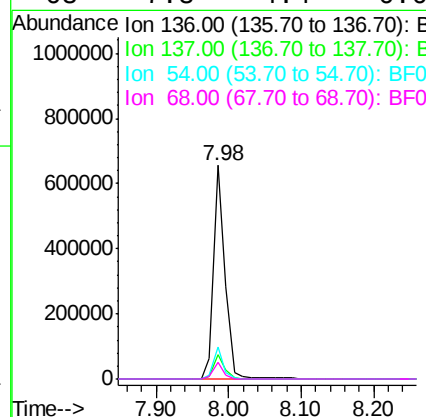
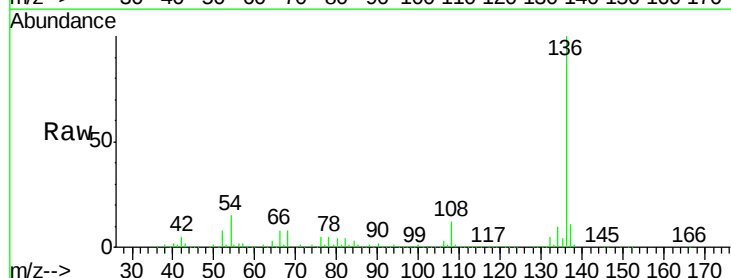
Ion Ratio Lower Upper

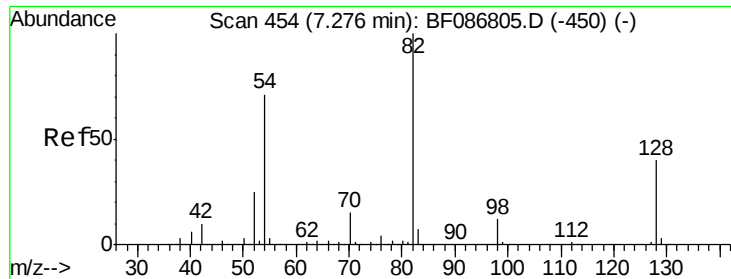
136 100

137 11.3 8.8 13.2

54 14.7 5.0 7.4#

68 7.8 4.4 6.6#





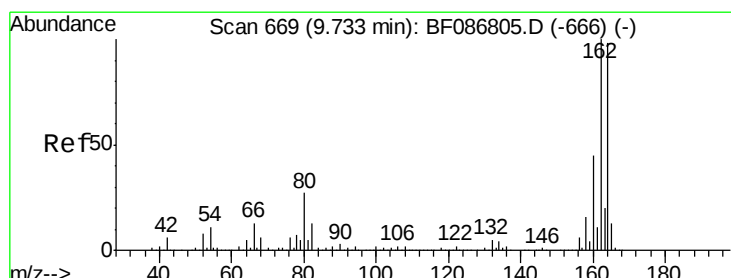
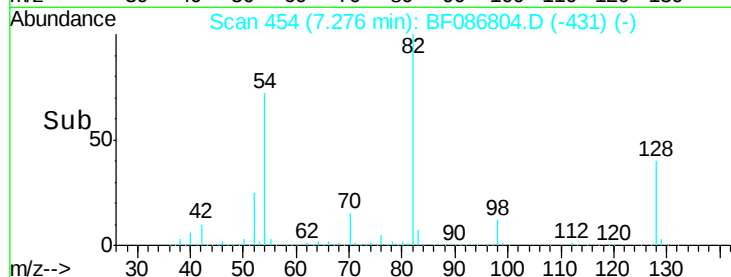
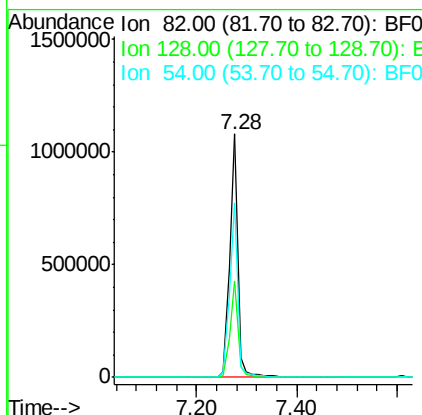
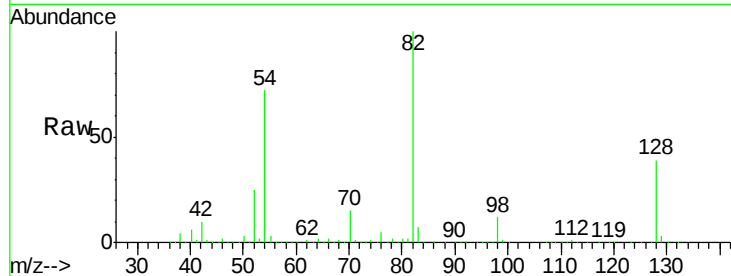
#23
Nitrobenzene-d5
Concen: 85.88 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.03 min
Lab File: BF086804.D
Acq: 8 May 2016 5:44

Instrument :
BNA_F
ClientSampled :
SS2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.5	40.6	61.0#
54	71.8	38.1	57.1#

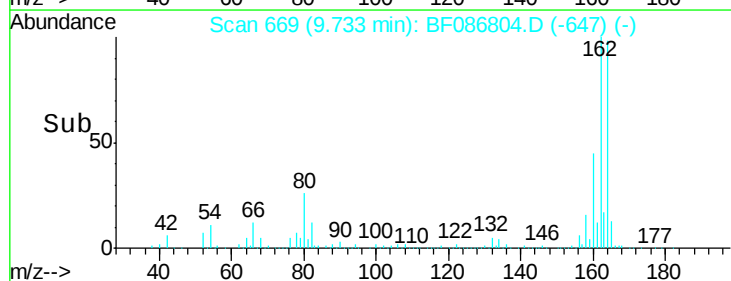
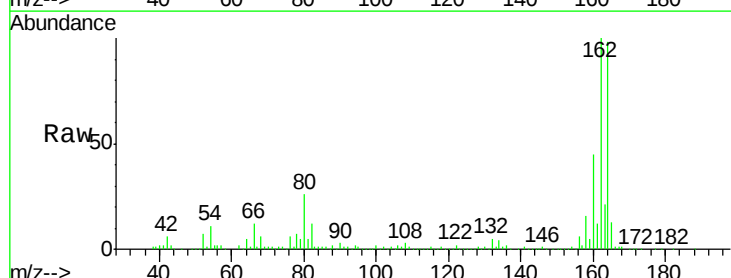
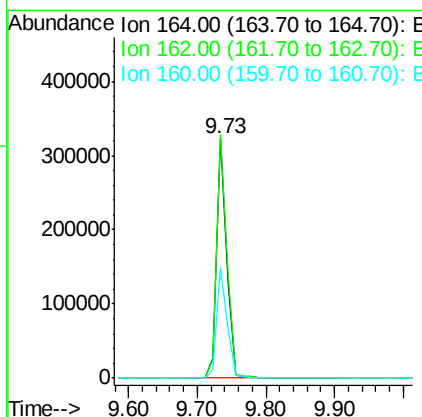
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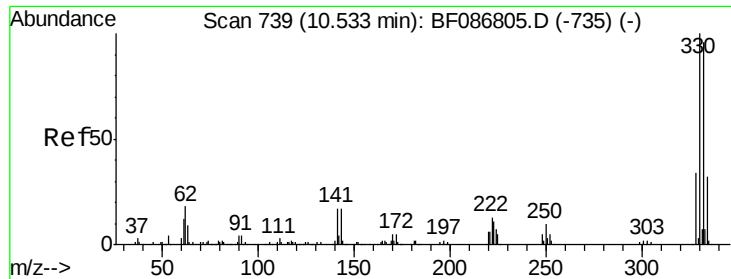
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#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.05 min
Lab File: BF086804.D
Acq: 8 May 2016 5:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.8	124.2
160	46.1	36.9	55.3





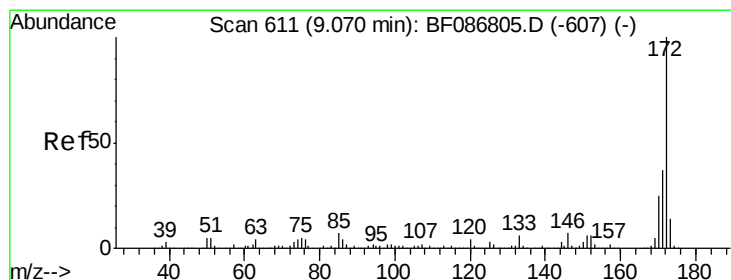
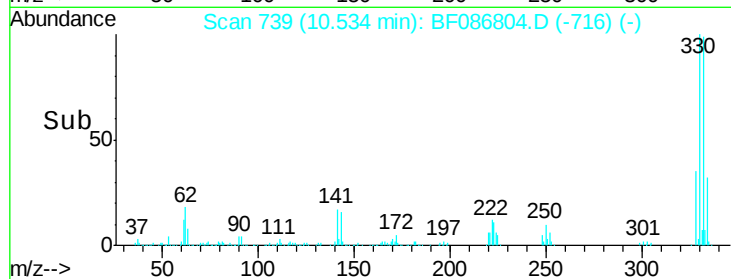
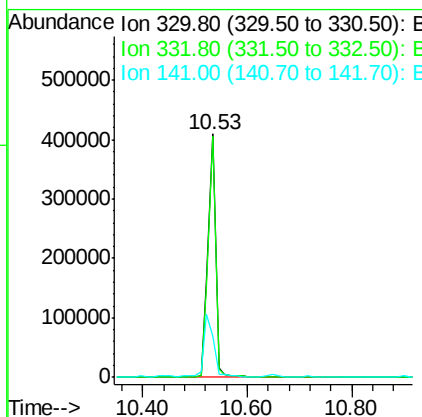
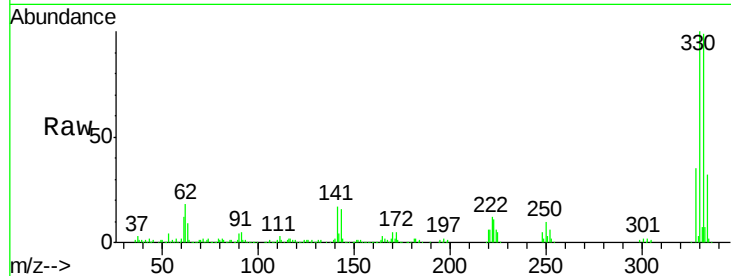
#41
 2,4,6-Tribromophenol
 Concen: 128.34 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.03 min
 Lab File: BF086804.D
 Acq: 8 May 2016 5:44

Instrument :
 BNA_F
 ClientSampled :
 SS2

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	423584		
332	96.0	79.0	118.4	
141	32.2	31.2	46.8	

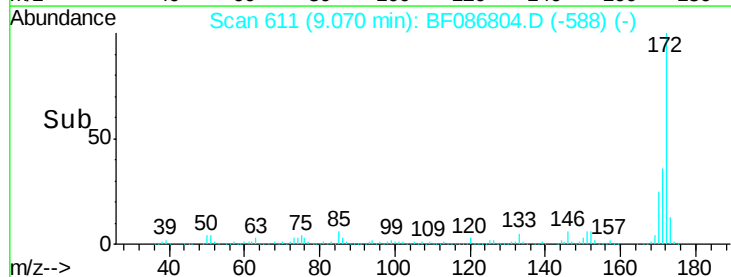
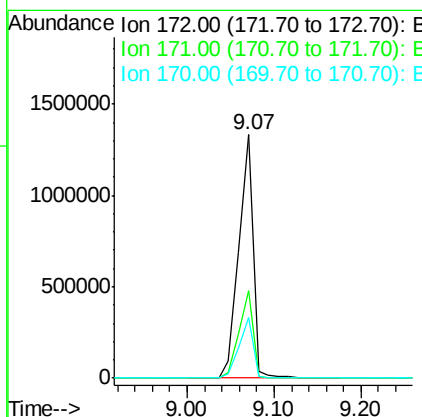
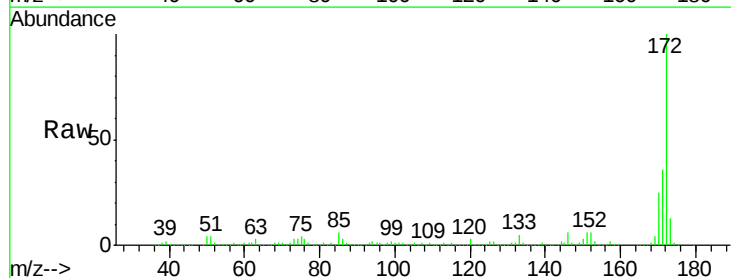
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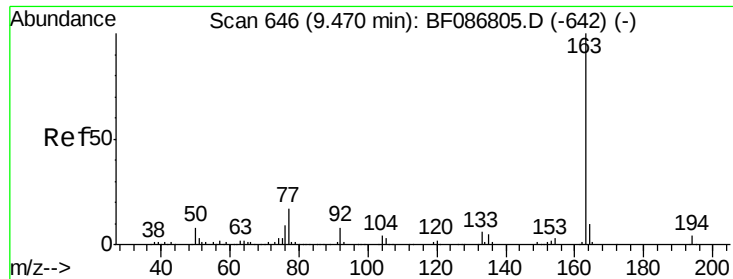
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#44
 2-Fluorobiphenyl
 Concen: 73.39 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086804.D
 Acq: 8 May 2016 5:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1510570		
171	36.2	29.0	43.6	
170	24.7	19.8	29.8	





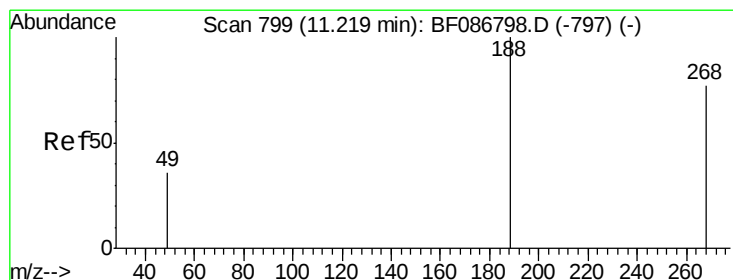
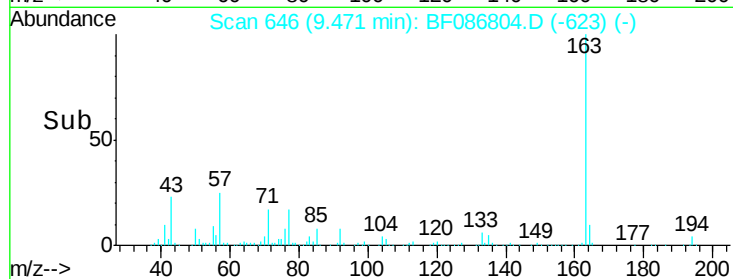
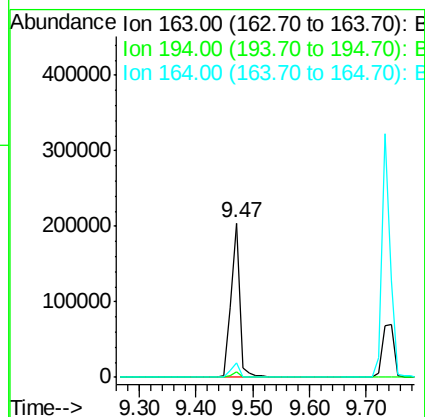
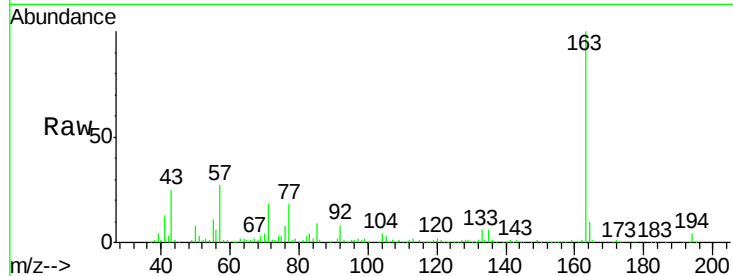
#49
Dimethylphthalate
Concen: 8.83 ng
RT: 9.47 min Scan# 646
Delta R.T. -0.03 min
Lab File: BF086804.D
Acq: 8 May 2016 5:44

Instrument :
BNA_F
ClientSampleId :
SS2

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.6	2.6	4.0
164	9.6	8.2	12.4

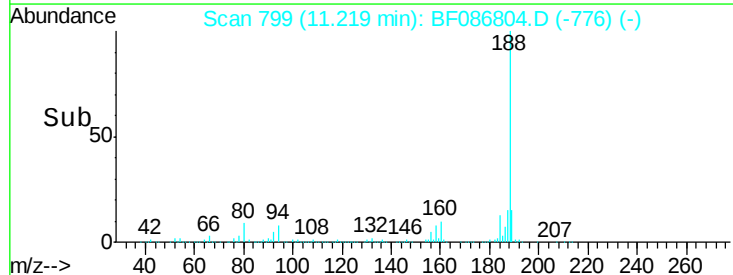
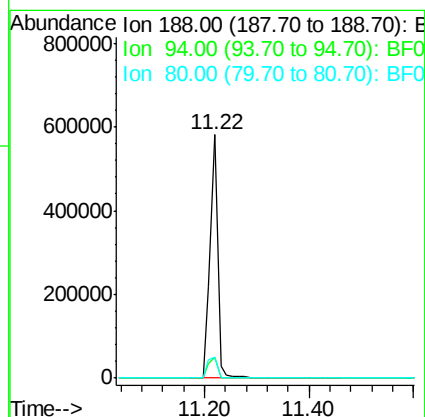
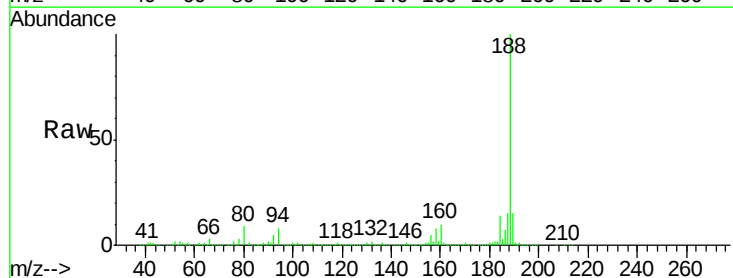
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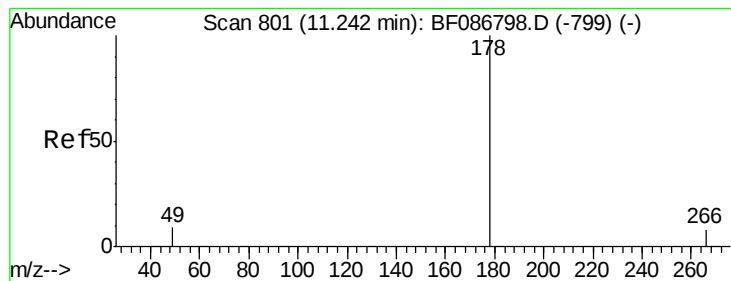
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#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.03 min
Lab File: BF086804.D
Acq: 8 May 2016 5:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.4	6.8	10.2
80	8.8	7.1	10.7





#70

Phenanthrene

Concen: 6.65 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.03 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

Instrument :

BNA_F

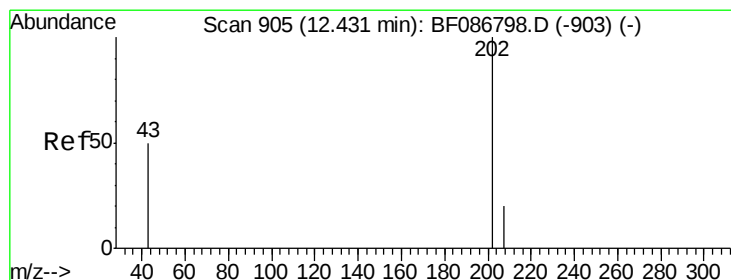
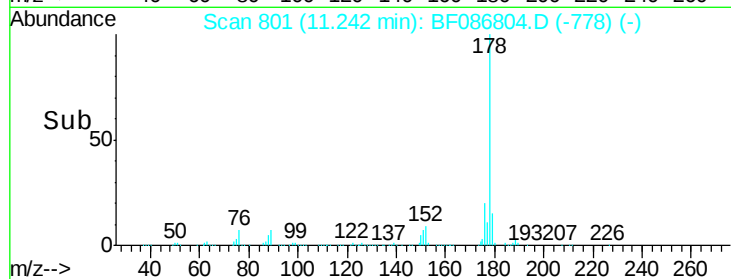
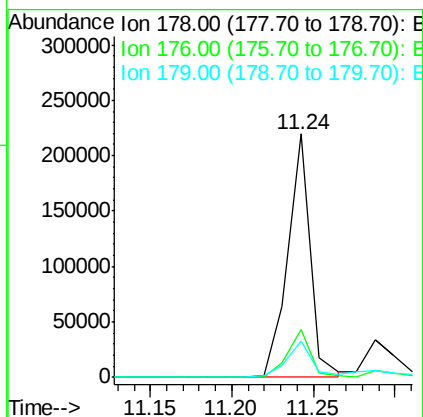
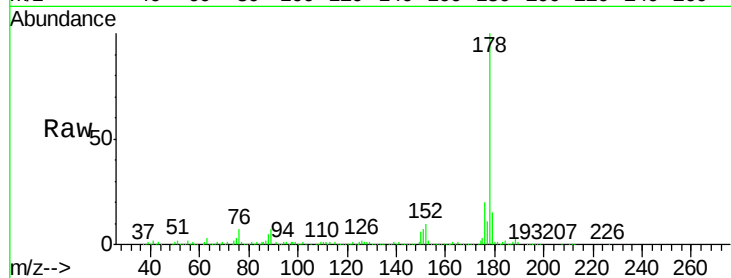
ClientSampled :

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Tgt Ion:	178	Resp:	212255
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.0	24.0
179	15.2	12.6	18.8



#74

Fluoranthene

Concen: 7.58 ng

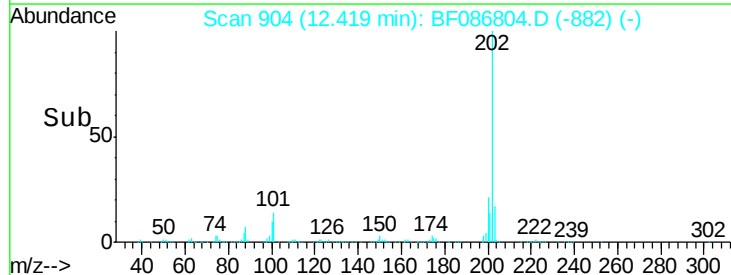
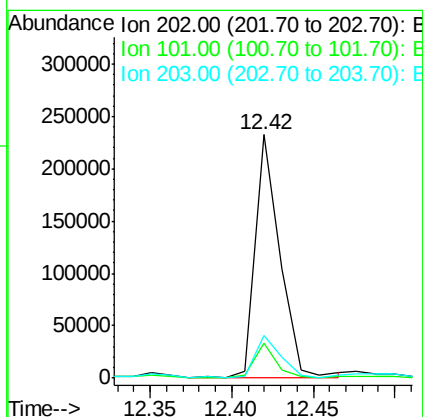
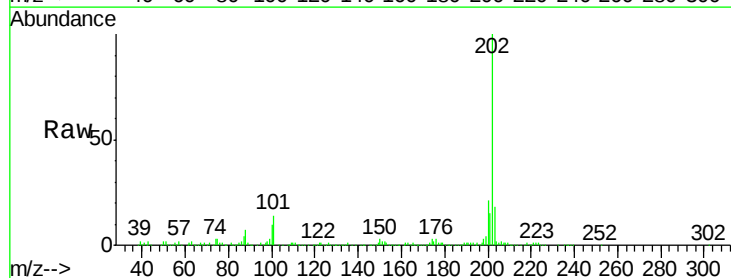
RT: 12.42 min Scan# 904

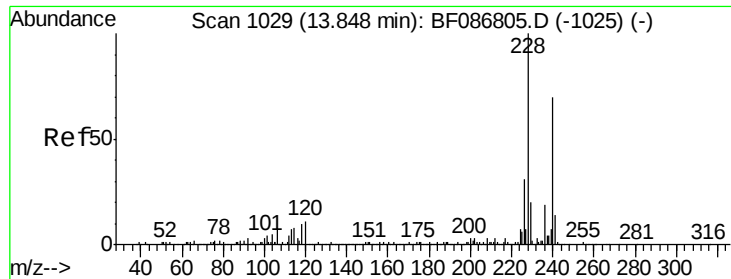
Delta R.T. -0.05 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

Tgt Ion:	202	Resp:	242590
Ion Ratio	Lower	Upper	
202	100		
101	14.1	0.0	35.4
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

Instrument :

BNA_F

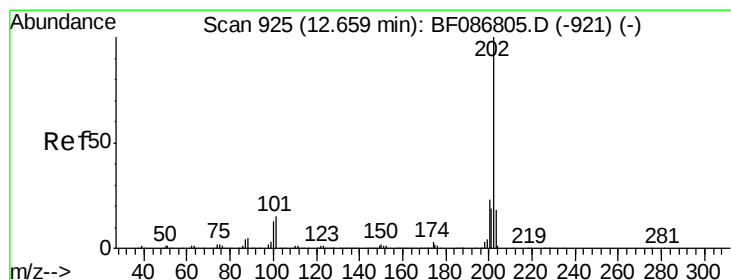
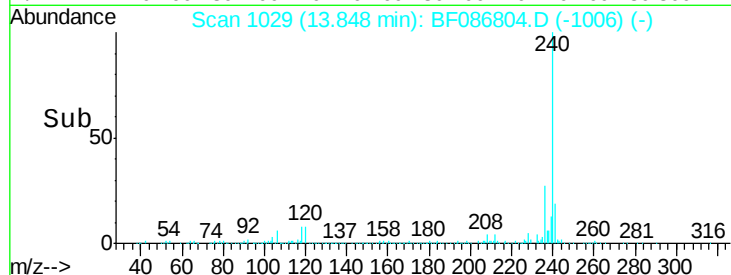
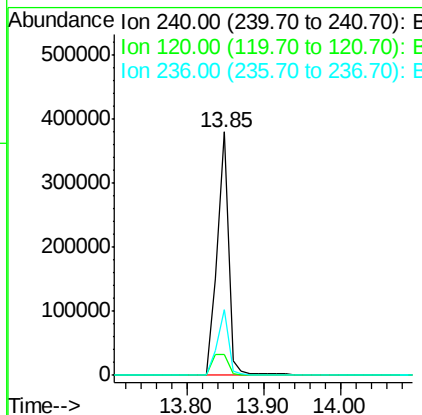
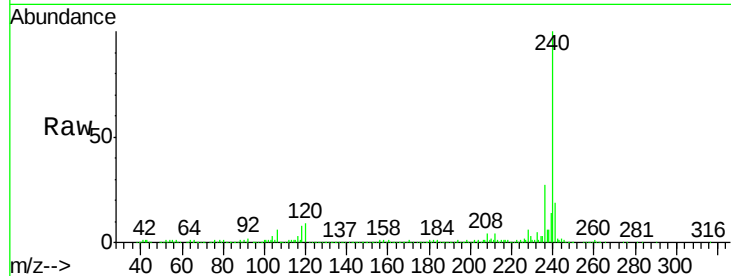
ClientSampled :

SS2

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	391701		
120	8.6	11.2	16.8#	
236	27.1	21.2	31.8	

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#77

Pyrene

Concen: 6.49 ng

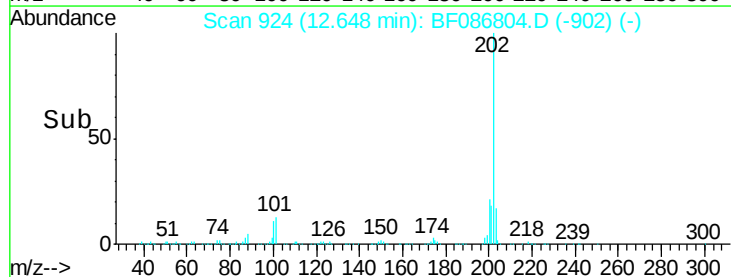
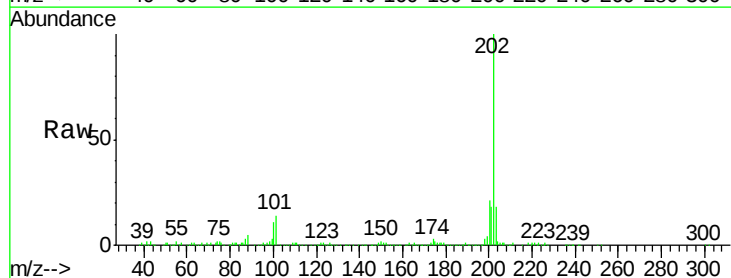
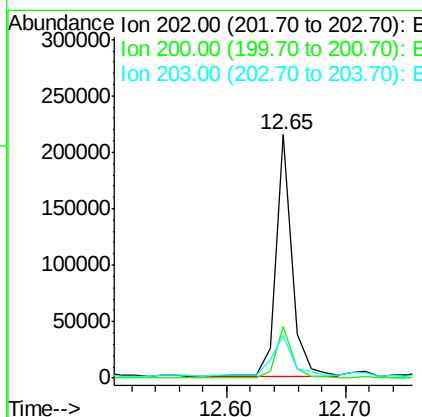
RT: 12.65 min Scan# 924

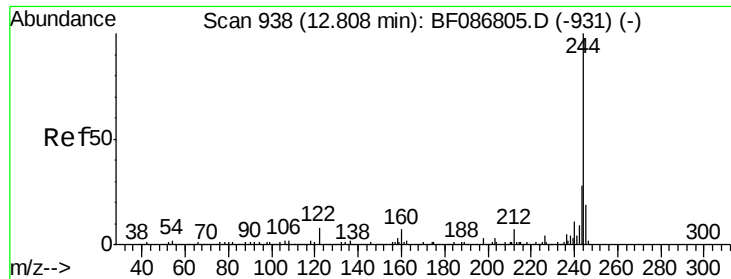
Delta R.T. -0.05 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	202659		
200	21.1	17.7	26.5	
203	17.7	14.2	21.4	





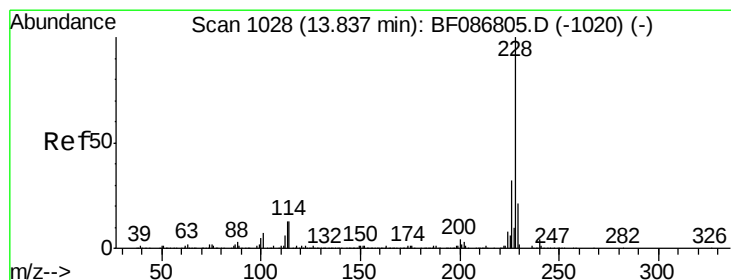
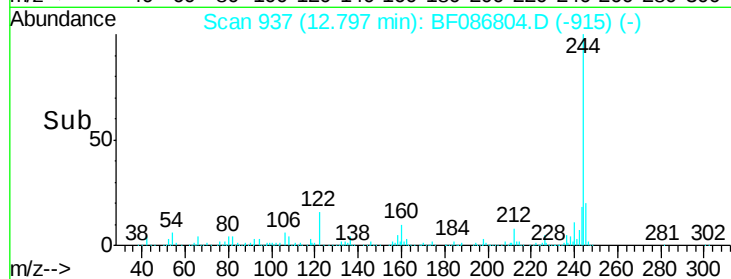
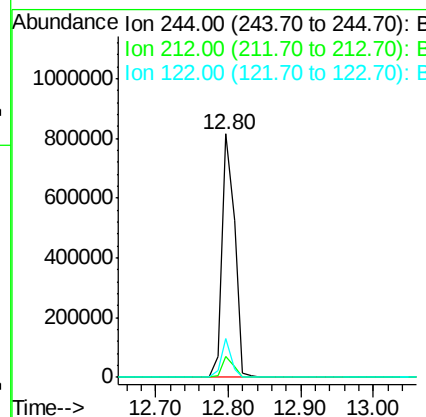
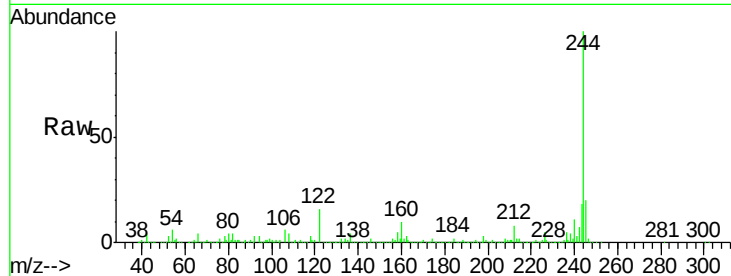
#78
 Terphenyl-d14
 Concen: 51.29 ng
 RT: 12.80 min Scan# 937
 Delta R.T. -0.05 min
 Lab File: BF086804.D
 Acq: 8 May 2016 5:44

Instrument :
 BNA_F
 ClientSampled :
 SS2

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.2	9.2
122	16.0	12.0	18.0

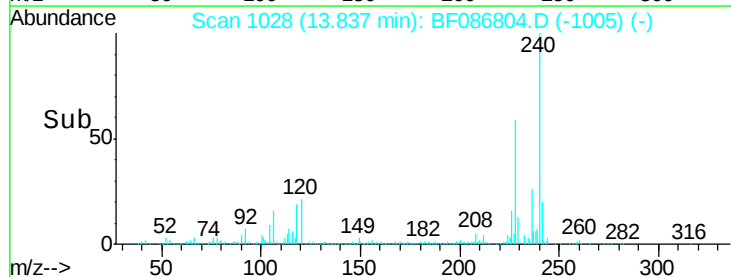
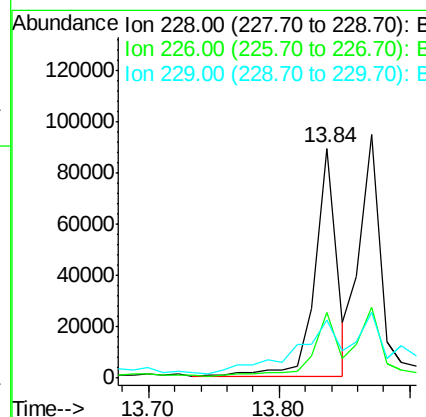
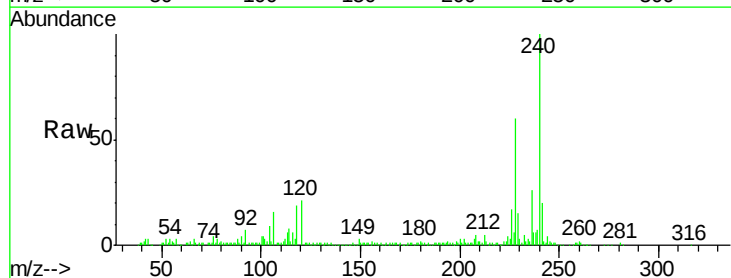
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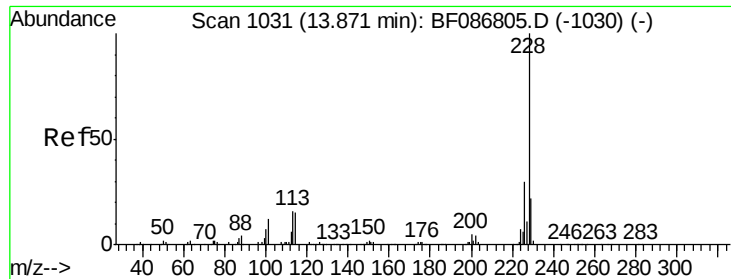
Sohil
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#80
 Benzo(a)anthracene
 Concen: 4.57 ng
 RT: 13.84 min Scan# 1028
 Delta R.T. -0.03 min
 Lab File: BF086804.D
 Acq: 8 May 2016 5:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.5	33.7
229	25.0	16.6	25.0





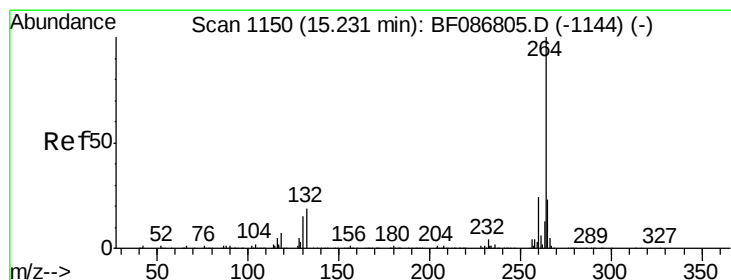
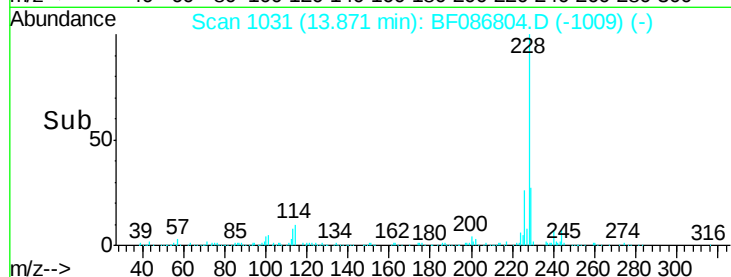
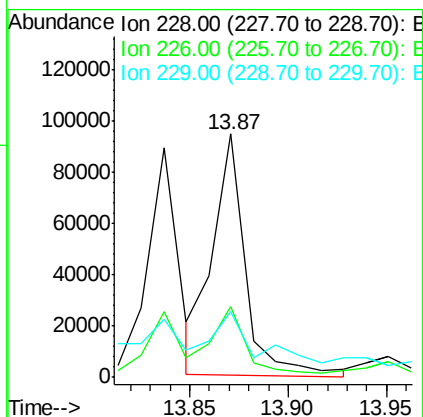
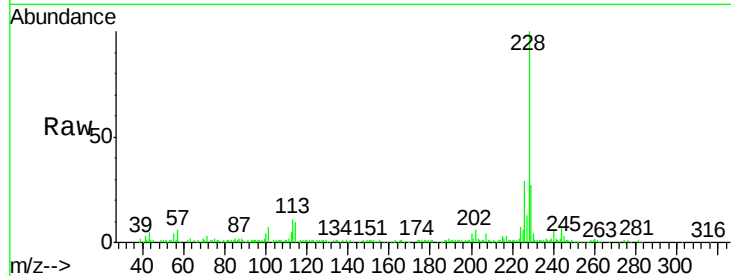
#82
Chrysene
Concen: 4.69 ng m
RT: 13.87 min Scan# 1031
Delta R.T. -0.05 min
Lab File: BF086804.D
Acq: 8 May 2016 5:44

Instrument :
BNA_F
ClientSampleId :
SS2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.4	36.6
229	27.1	15.8	23.8

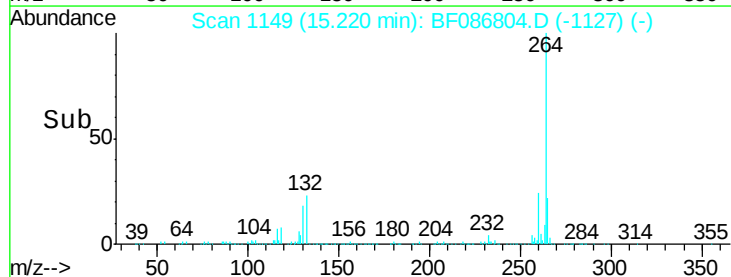
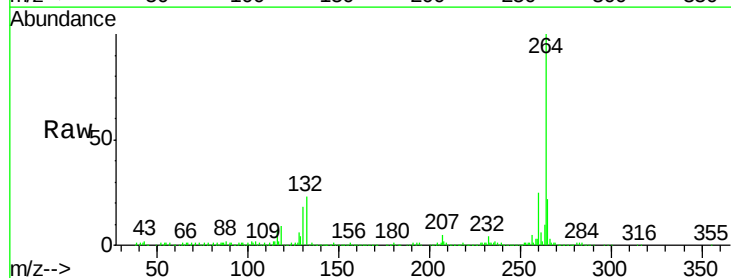
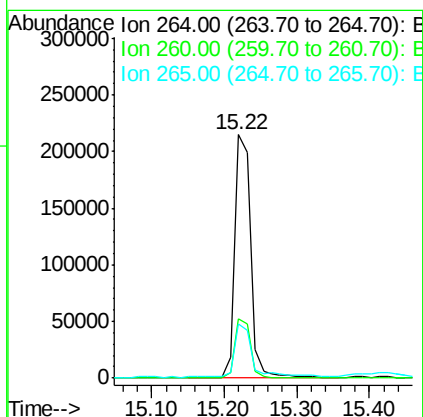
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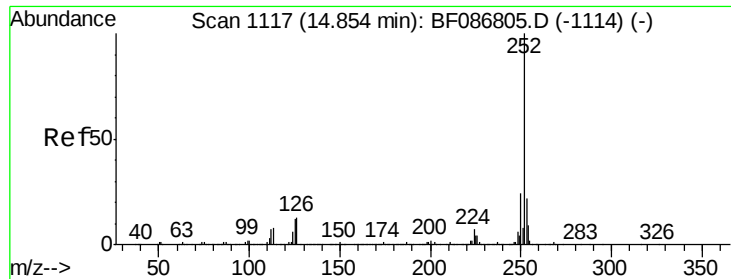
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#86
Perylene-d12
Concen: 40.00 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.05 min
Lab File: BF086804.D
Acq: 8 May 2016 5:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	22.4	17.3	25.9





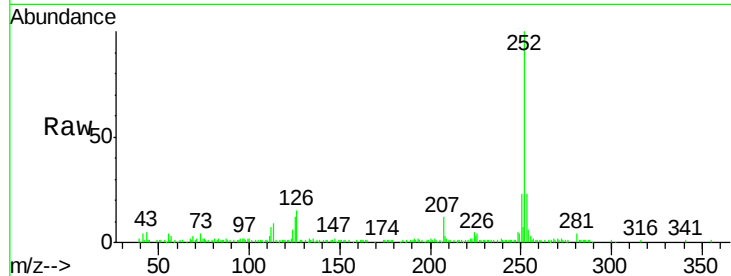
#87
Benzo(b)fluoranthene
Concen: 4.81 ng m
RT: 14.84 min Scan# 1116
Delta R.T. -0.05 min
Lab File: BF086804.D
Acq: 8 May 2016 5:44

Instrument :
BNA_F
ClientSampled :
SS2

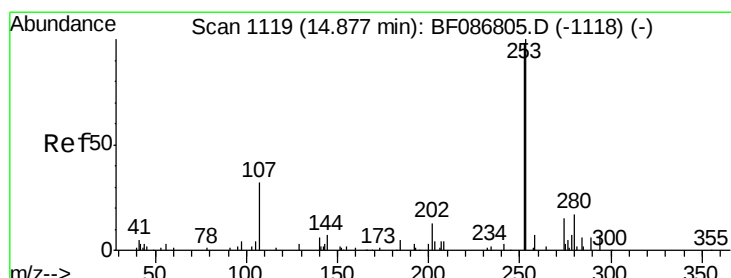
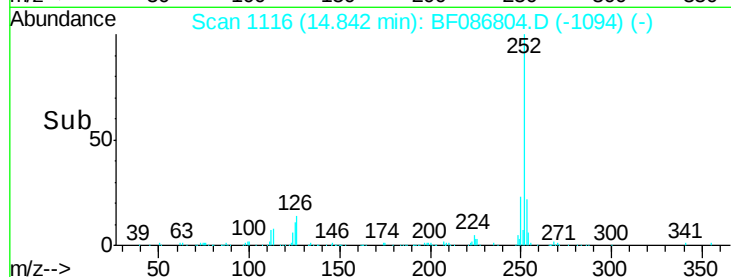
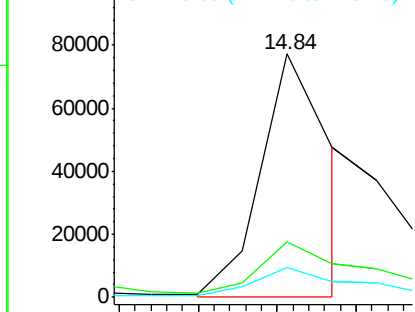
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	95722		
253	23.0		17.8	26.6
125	12.2		11.4	17.0

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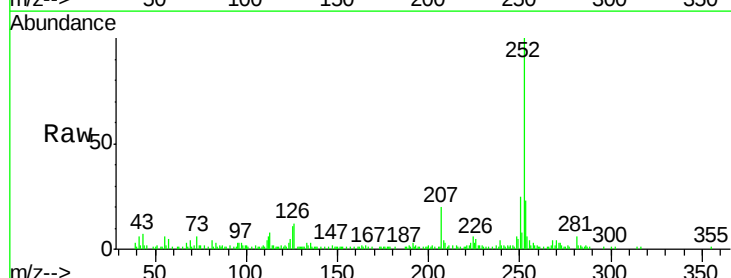


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

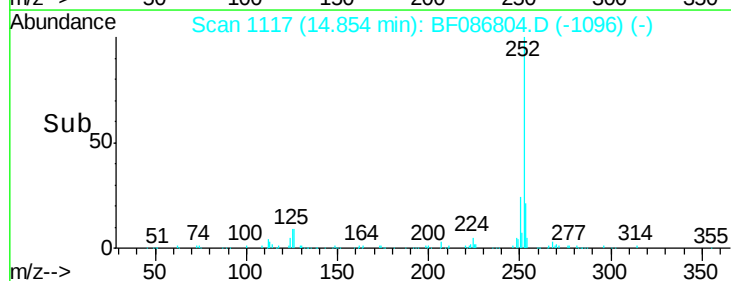
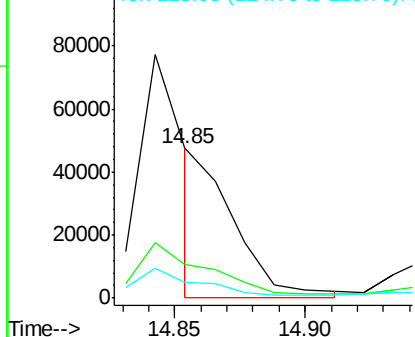


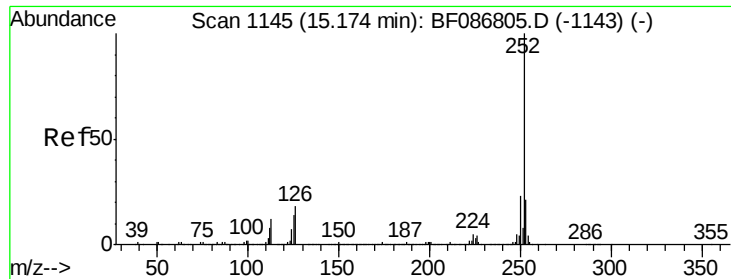
#88
Benzo(k)fluoranthene
Concen: 2.32 ng m
RT: 14.85 min Scan# 1117
Delta R.T. -0.06 min
Lab File: BF086804.D
Acq: 8 May 2016 5:44

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	43583		
253	22.8		17.8	26.6
125	10.8		9.1	13.7



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: 3.42 ng

RT: 15.17 min Scan# 1145

Delta R.T. -0.05 min

Lab File: BF086804.D

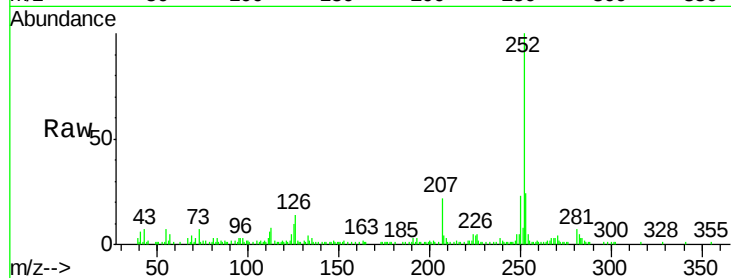
Acq: 8 May 2016 5:44

Instrument :

BNA_F

ClientSampleId :

SS2



Tgt Ion:	252	Resp:	62815
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.2	25.8
125	9.9	9.0	13.6

Manual Integrations
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