

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
 Data File : BF087830.D
 Acq On : 9 Jun 2016 1:14
 Operator : UM/SJ
 Sample : H3399-09 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-29

Manual Integrations
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Quant Time: Jun 09 06:40:00 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	88497m	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	372478	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	141951	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	223977	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	210784	20.00	ng	0.00
86) Perylene-d12	15.42	264	155464	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	58144	11.23	ng	-0.02
7) Phenol-d6	6.44	99	78543	12.52	ng	-0.03
23) Nitrobenzene-d5	7.38	82	45993	7.21	ng	-0.03
41) 2,4,6-Tribromophenol	10.65	330	13300	8.87	ng	-0.02
44) 2-Fluorobiphenyl	9.19	172	92613	5.04	ng	-0.02
78) Terphenyl-d14	12.94	244	65514	7.07	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.37	178	70056	5.96	ng	98
74) Fluoranthene	12.56	202	98237	7.92	ng	98
77) Pyrene	12.79	202	86485	5.53	ng	98
80) Benzo(a)anthracene	13.98	228	46820	3.90	ng	98
82) Chrysene	14.01	228	31557	2.79	ng	95
87) Benzo(b)fluoranthene	15.01	252	34902m	3.22	ng	
89) Benzo(a)pyrene	15.35	252	25645	2.93	ng	96

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

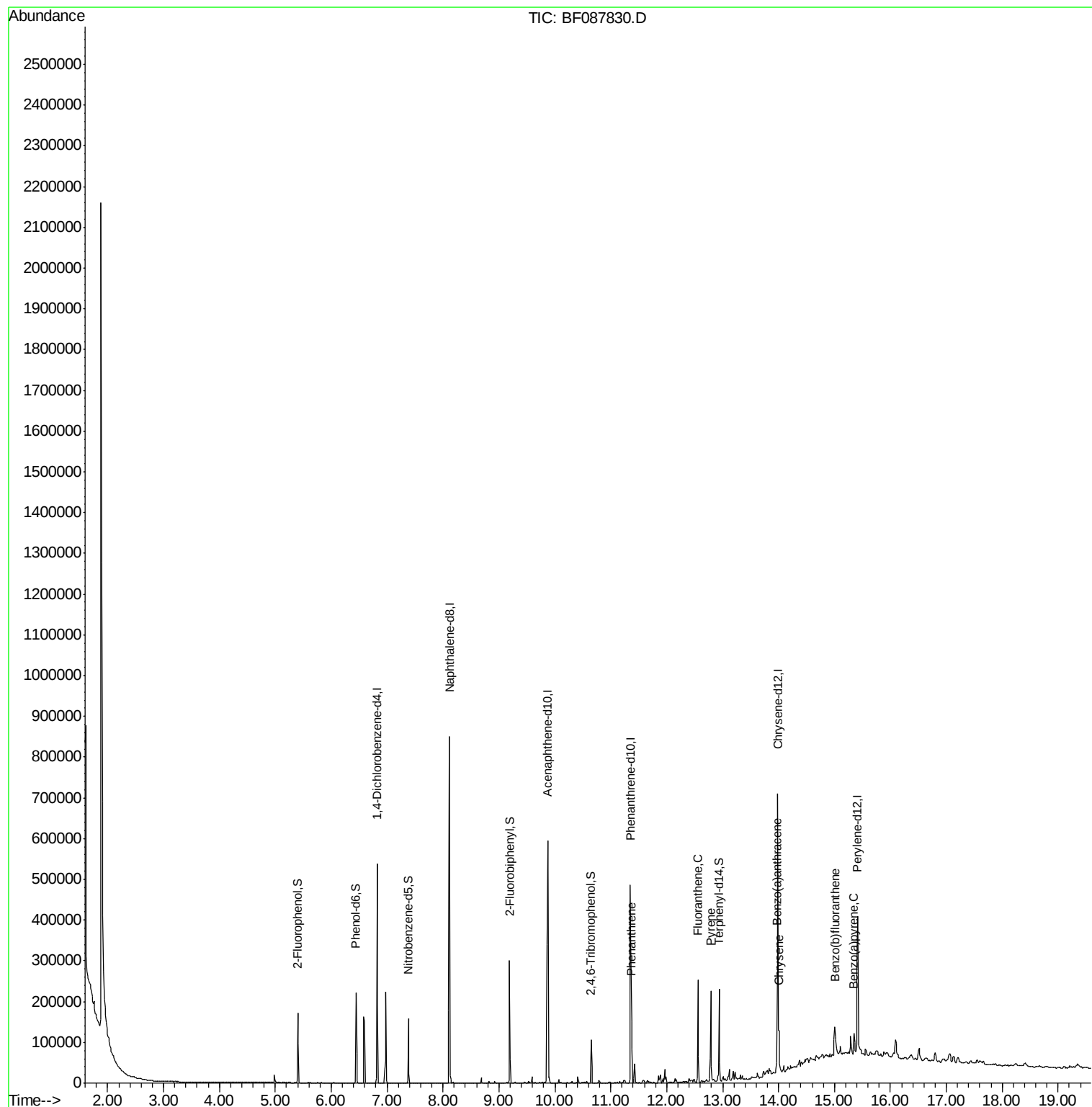
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
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Misc :
ALS Vial : 25 Sample Multiplier: 1

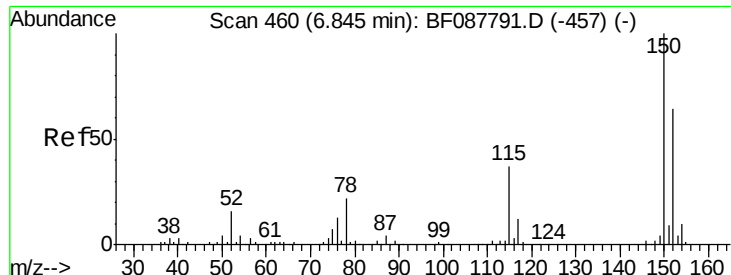
Instrument :
BNA_F
ClientSampleId :
SS-29

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Quant Time: Jun 09 06:40:00 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

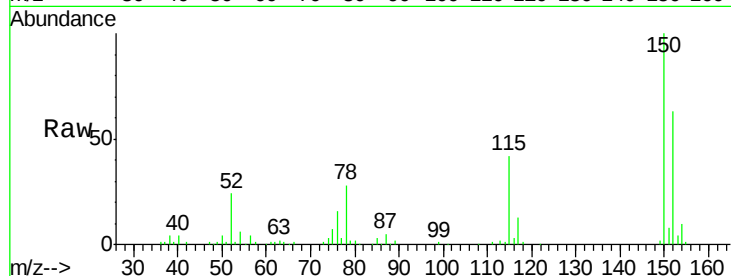
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.82 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF087830.D
Acq: 9 Jun 2016 1:14

Instrument :
BNA_F
ClientSampled :
SS-29

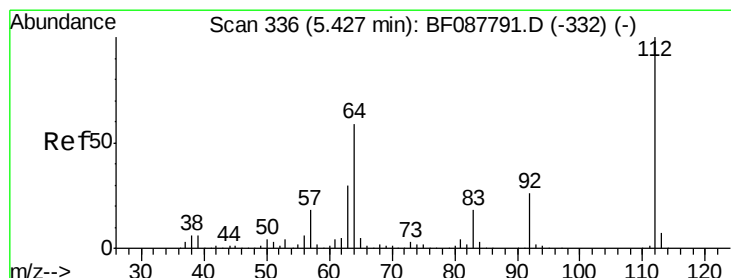
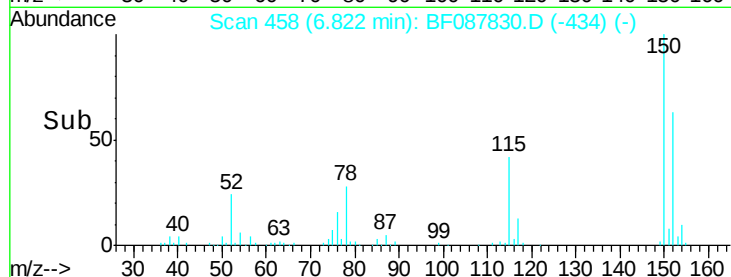
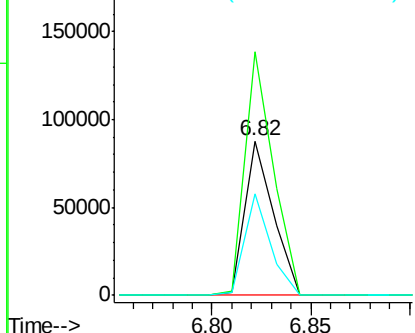
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	123.8	185.6
115	65.8	39.6	59.4

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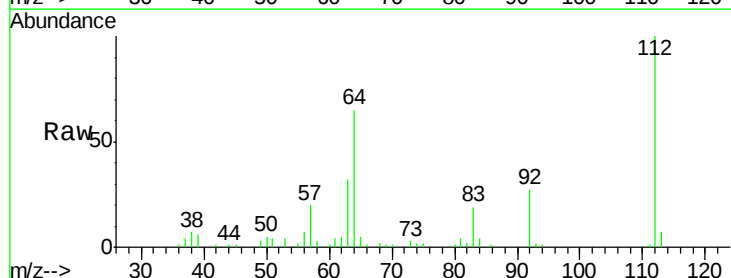
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



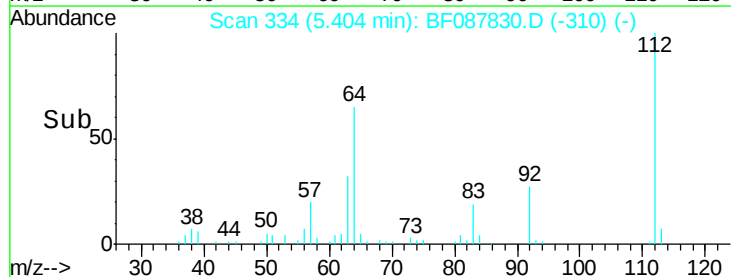
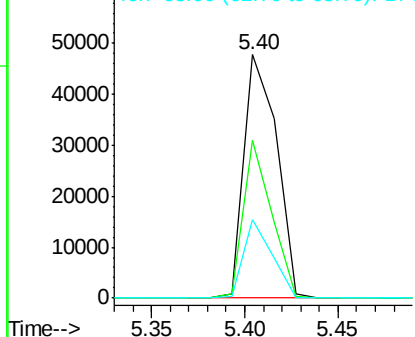
#5

2-Fluorophenol
Concen: 11.23 ng
RT: 5.40 min Scan# 334
Delta R.T. -0.02 min
Lab File: BF087830.D
Acq: 9 Jun 2016 1:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	42.2	63.2
63	32.0	21.8	32.8



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: 12.52 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087830.D

Acq: 9 Jun 2016 1:14

Instrument :

BNA_F

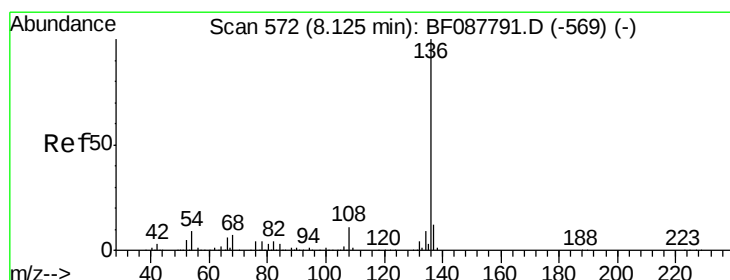
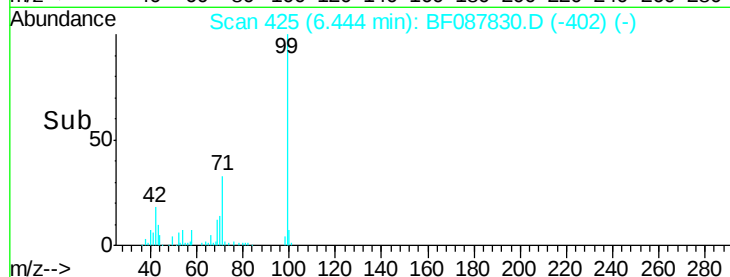
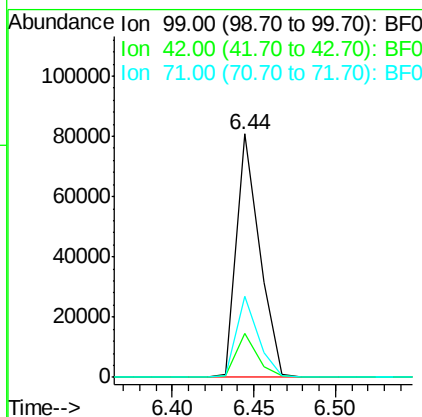
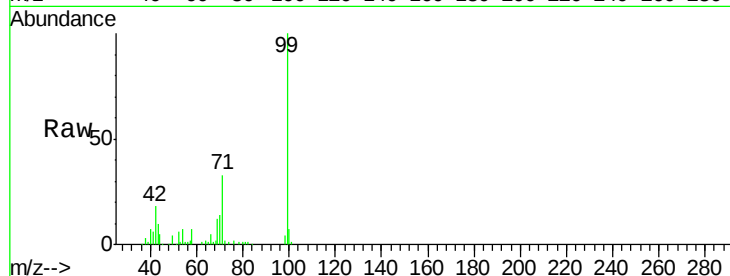
ClientSampled :

SS-29

Tot Ion:	99	Resp:	78543
Ion Ratio	Lower	Upper	
99	100		
42	18.2	12.2	18.2
71	33.5	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

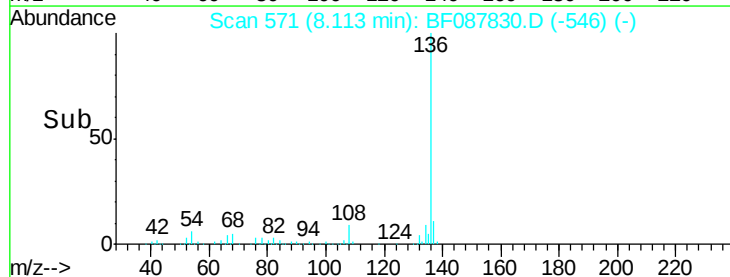
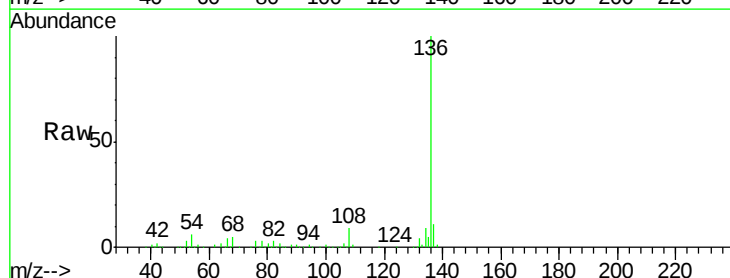
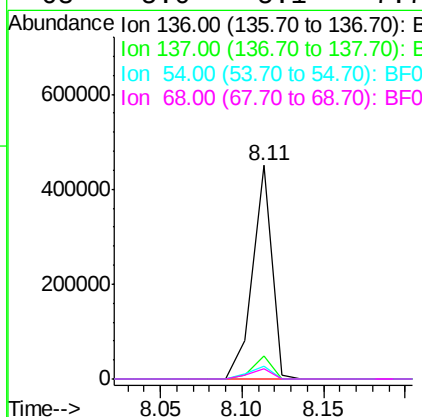
RT: 8.11 min Scan# 571

Delta R.T. -0.01 min

Lab File: BF087830.D

Acq: 9 Jun 2016 1:14

Tgt Ion:	136	Resp:	372478
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.1	13.7
54	6.2	6.6	10.0#
68	5.0	5.1	7.7#





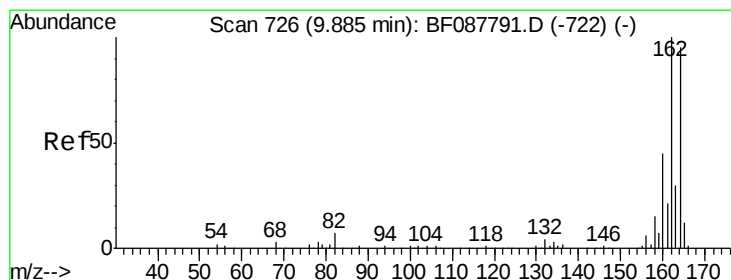
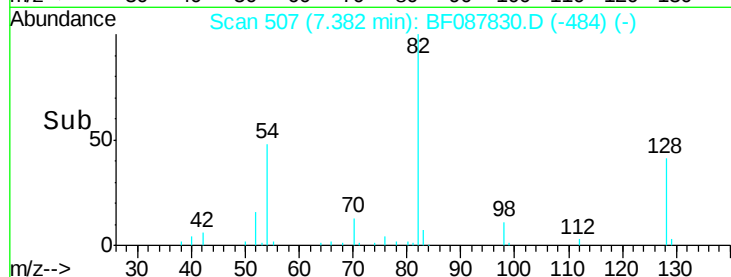
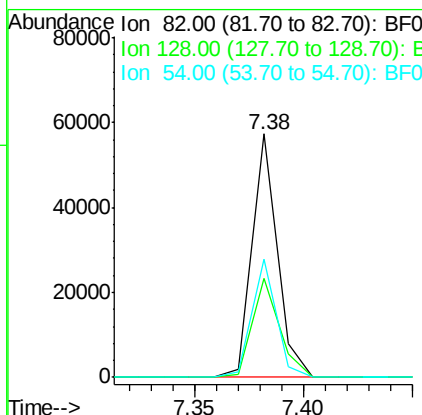
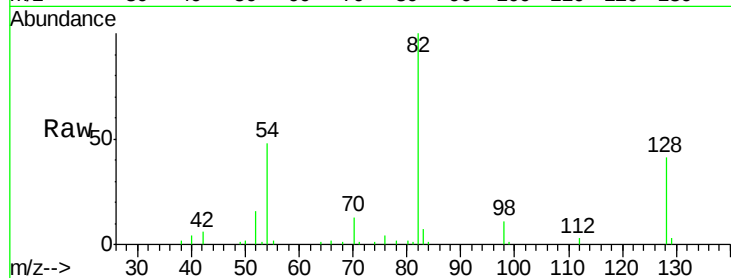
#23
 Nitrobenzene-d5
 Concen: 7.21 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: BF087830.D
 Acq: 9 Jun 2016 1:14

Instrument :
 BNA_F
 ClientSampled :
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Tot Ion	82	Resp	45993
Ion Ratio	100	Lower	Upper
82	100		
128	40.9	35.9	53.9
54	48.5	40.9	61.3

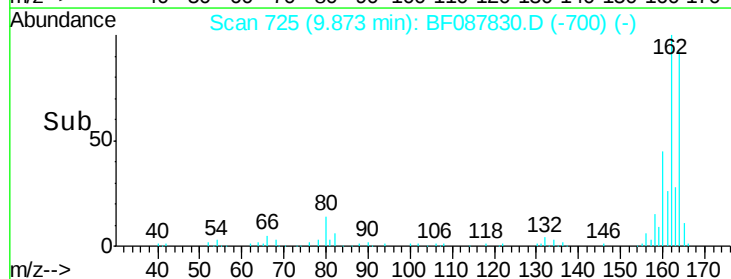
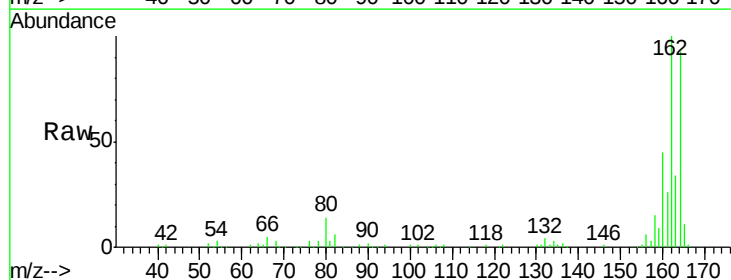
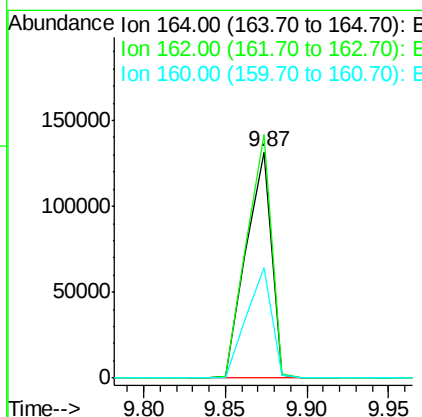
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF087830.D
 Acq: 9 Jun 2016 1:14

Tgt Ion	164	Resp	141951
Ion Ratio	100	Lower	Upper
164	100		
162	107.7	85.4	128.2
160	48.7	39.5	59.3





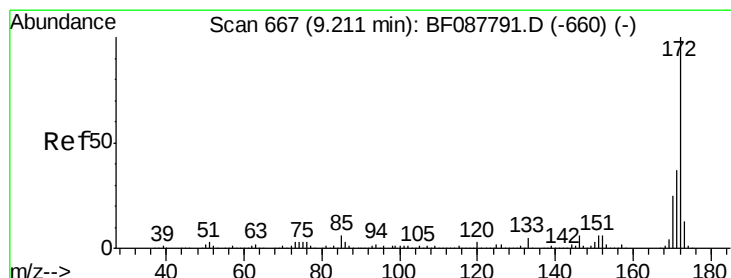
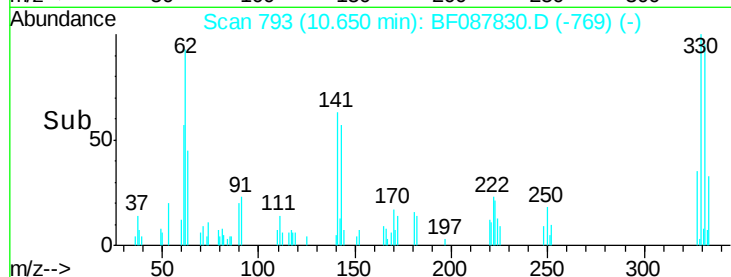
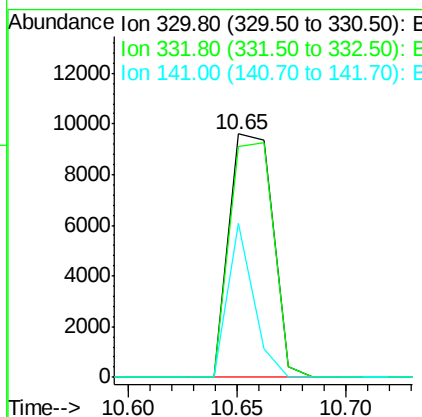
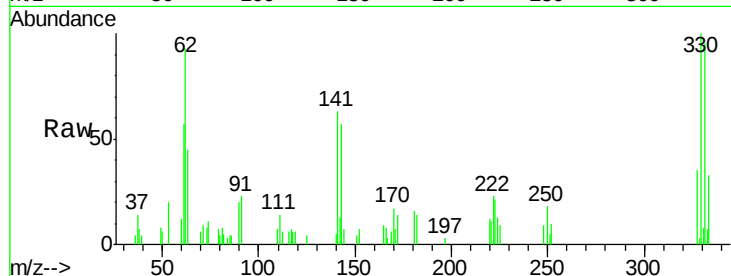
#41
 2,4,6-Tribromophenol
 Concen: 8.87 ng
 RT: 10.65 min Scan# 793
 Delta R.T. -0.02 min
 Lab File: BF087830.D
 Acq: 9 Jun 2016 1:14

Instrument :
 BNA_F
 ClientSampled :
 SS-29

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.8	0.0	0.0#
141	37.0	0.0	0.0#

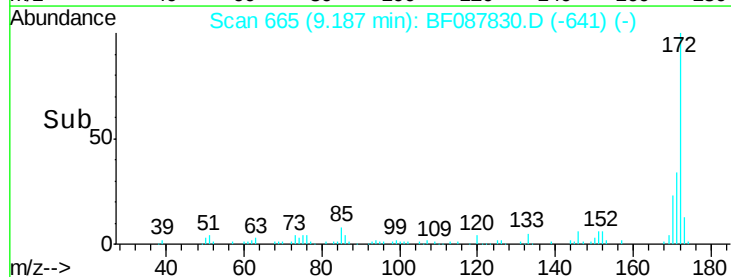
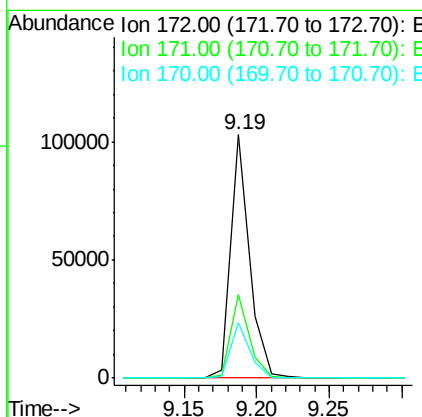
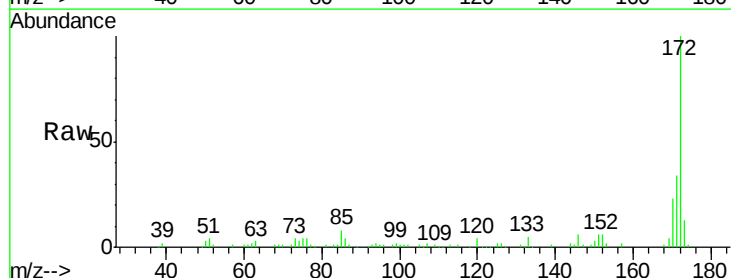
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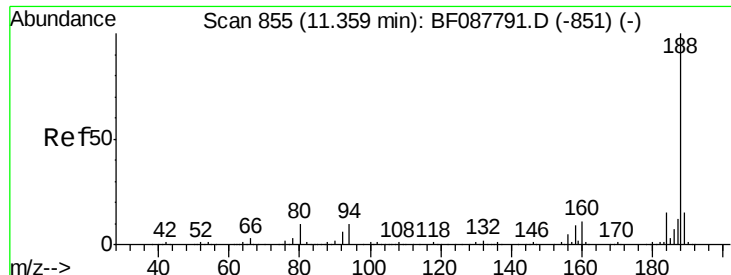
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#44
 2-Fluorobiphenyl
 Concen: 5.04 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF087830.D
 Acq: 9 Jun 2016 1:14

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	34.4	28.6	43.0
170	23.0	19.2	28.8





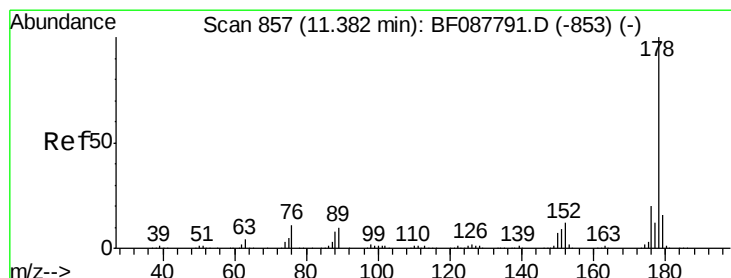
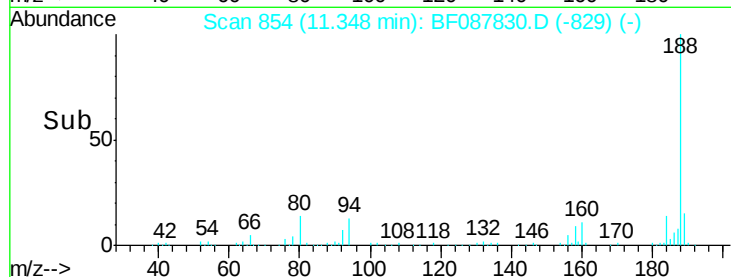
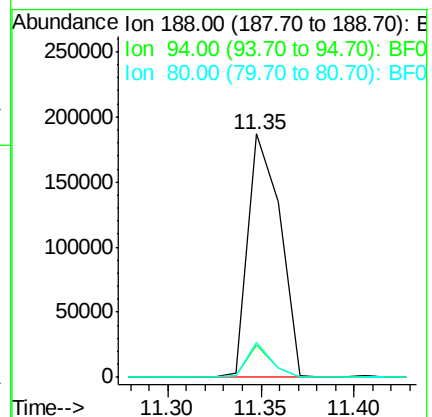
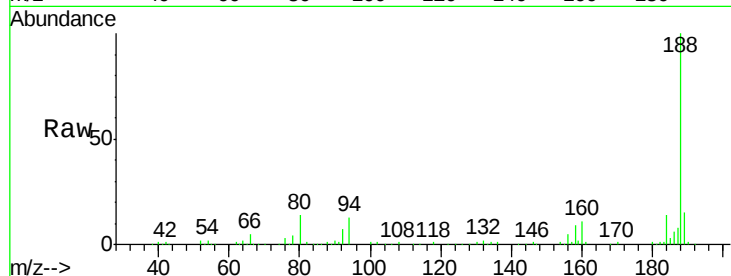
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF087830.D
Acq: 9 Jun 2016 1:14

Instrument :
BNA_F
ClientSampleId :
SS-29

Tot Ion	Ratio	Resp	Lower	Upper
188	100	223977		
94	13.3		9.0	13.6
80	14.1		10.0	15.0

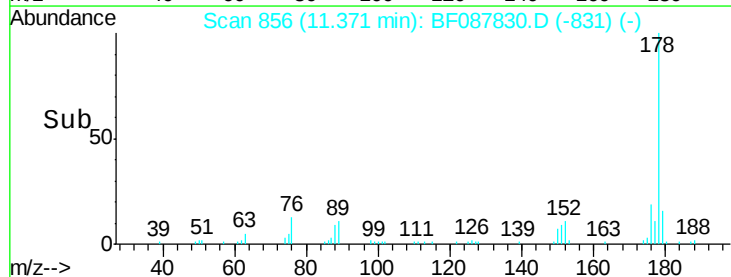
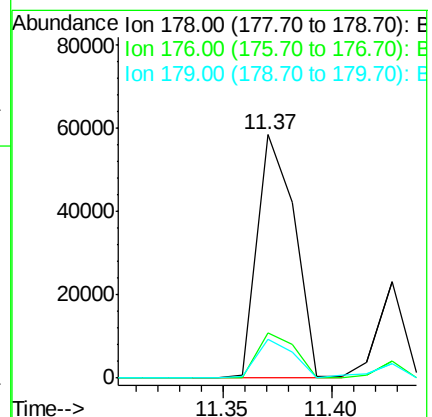
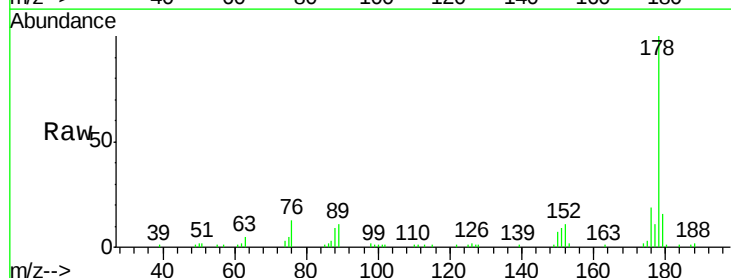
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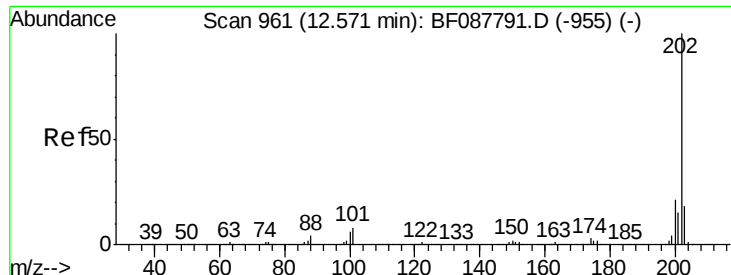
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#70
Phenanthrene
Concen: 5.96 ng
RT: 11.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF087830.D
Acq: 9 Jun 2016 1:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	70056		
176	18.6		15.8	23.6
179	15.8		13.0	19.4





#74

Fluoranthene

Concen: 7.92 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF087830.D

Acq: 9 Jun 2016 1:14

Instrument :

BNA_F

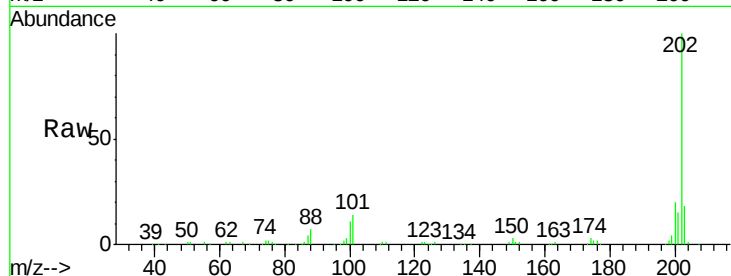
ClientSampled :

SS-29

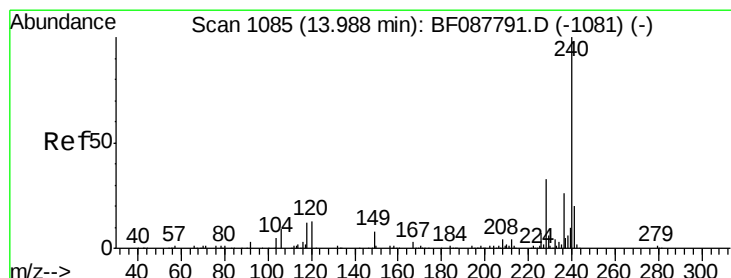
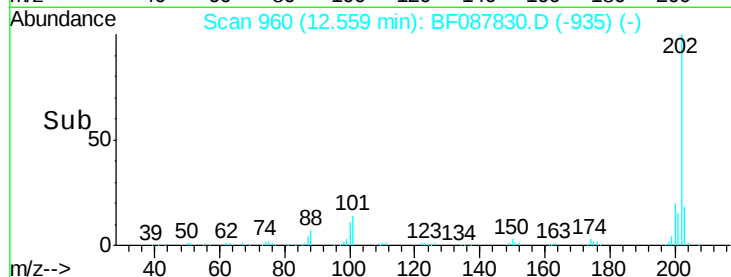
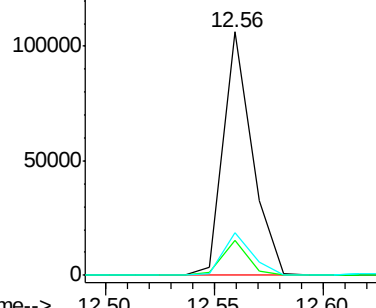
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.2	0.0	33.1
203	17.7	0.0	38.1

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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: 13.99 min Scan# 1085

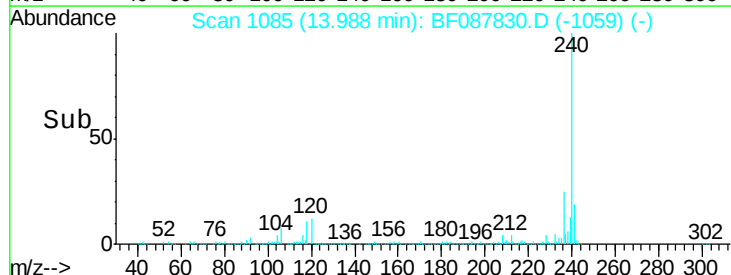
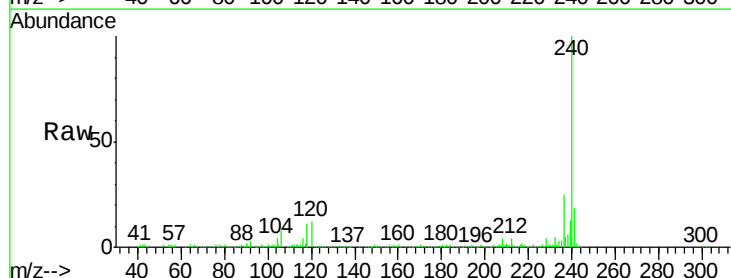
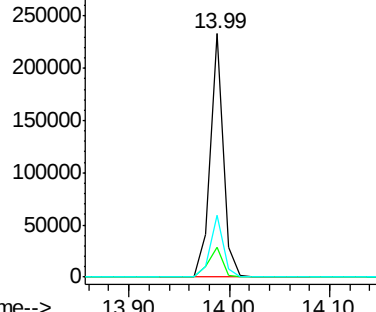
Delta R.T. -0.00 min

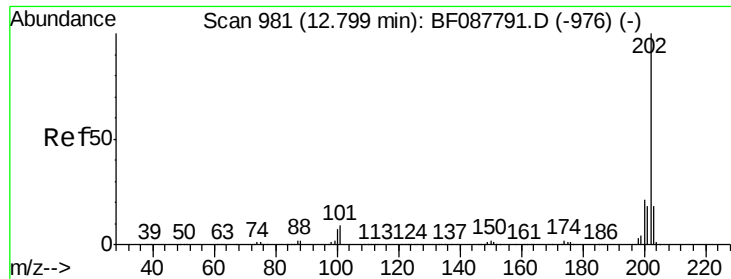
Lab File: BF087830.D

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Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.0	6.8	10.2#
236	25.4	20.2	30.2

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

Pvrene

Concen: 5.53 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087830.D

Acq: 9 Jun 2016 1:14

Instrument :

BNA_F

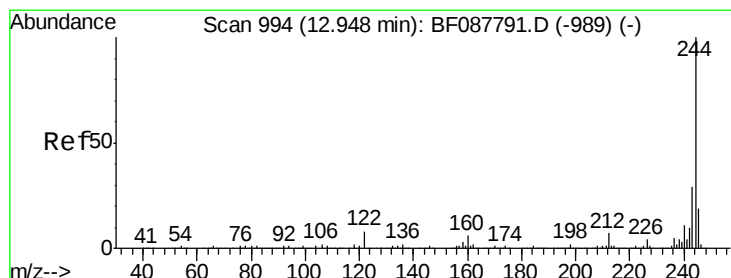
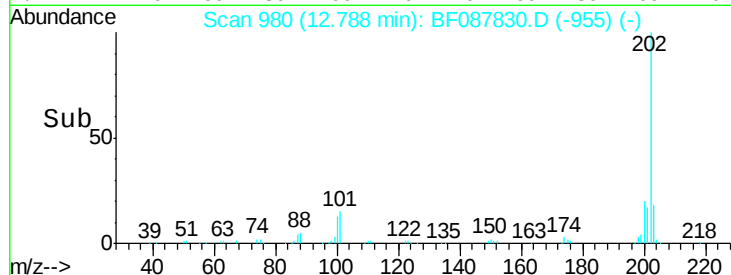
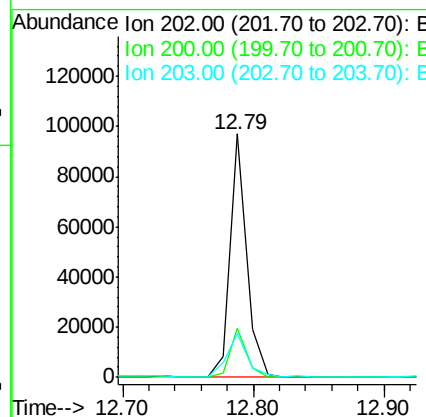
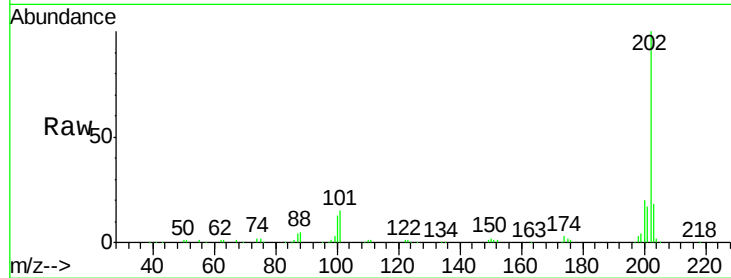
ClientSampleId :

SS-29

Tot Ion:	202	Resp:	86485
Ion Ratio	Lower	Upper	
202	100		
200	20.2	17.4	26.2
203	18.2	14.5	21.7

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#78

Terphenyl-d14

Concen: 7.07 ng

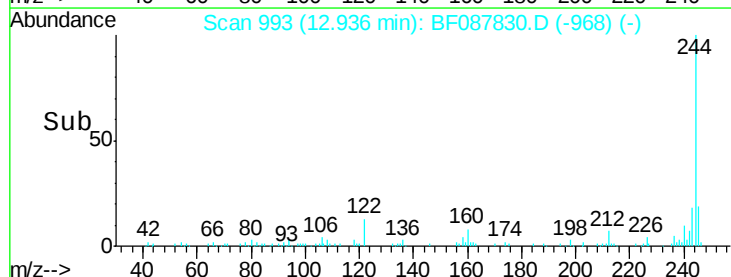
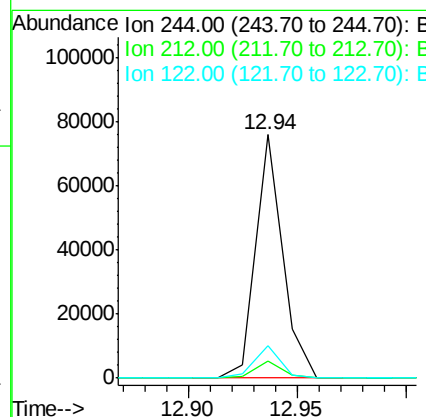
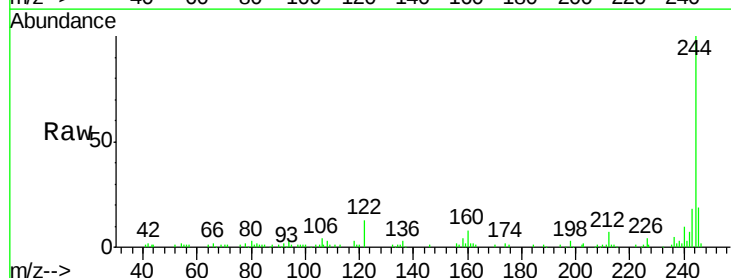
RT: 12.94 min Scan# 993

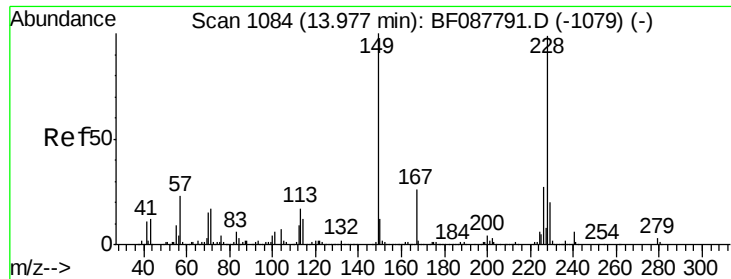
Delta R.T. -0.01 min

Lab File: BF087830.D

Acq: 9 Jun 2016 1:14

Tgt Ion:	244	Resp:	65514
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	13.2	11.2	16.8





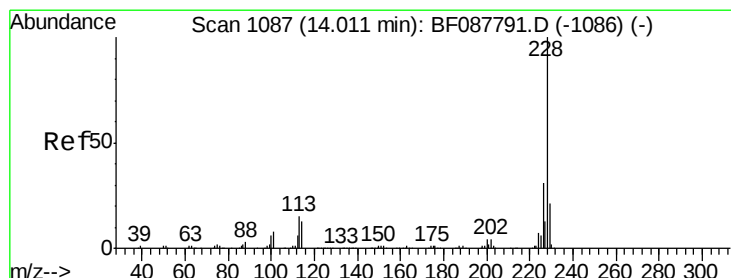
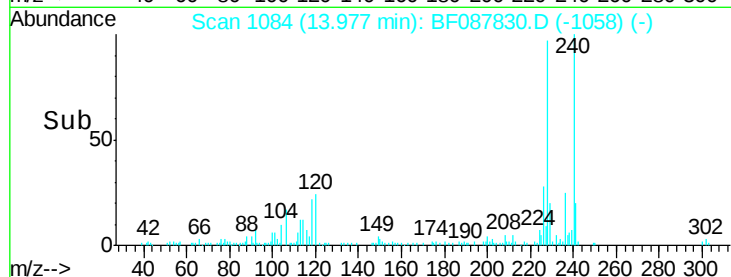
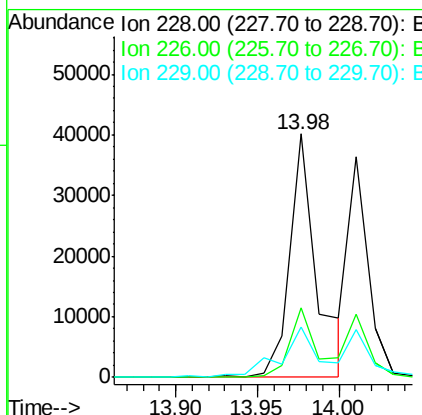
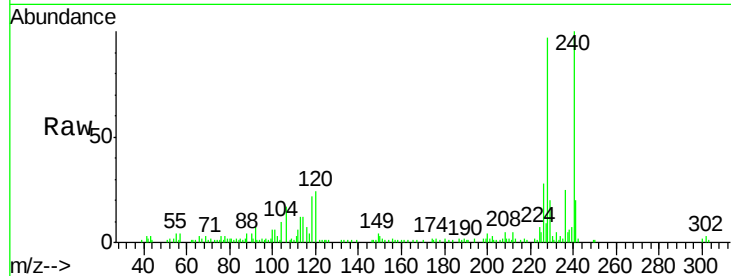
#80
Benzo(a)anthracene
Concen: 3.90 ng
RT: 13.98 min Scan# 1084
Delta R.T. -0.00 min
Lab File: BF087830.D
Acq: 9 Jun 2016 1:14

Instrument :
BNA_F
ClientSampled :
SS-29

Tot Ion:	228	Resp:	46820
Ion Ratio	Lower	Upper	
228	100		
226	28.7	22.3	33.5
229	20.7	16.0	24.0

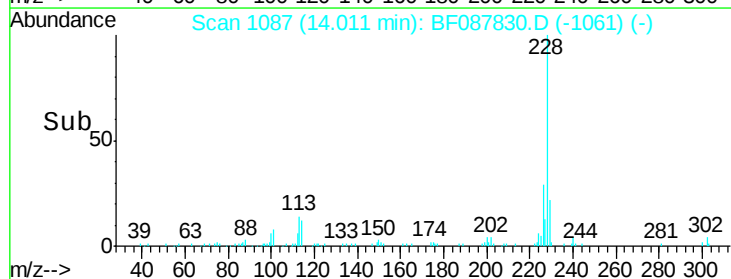
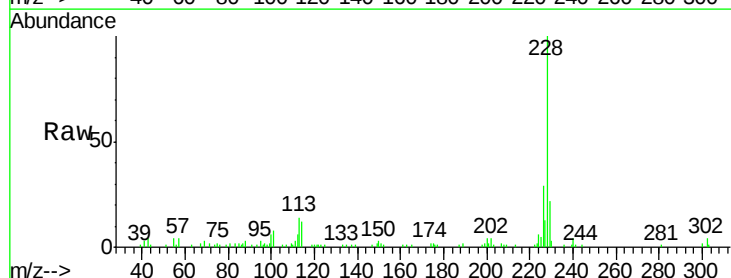
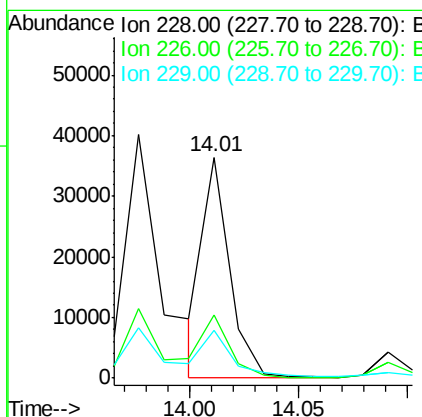
Manual Integrations
APPROVED

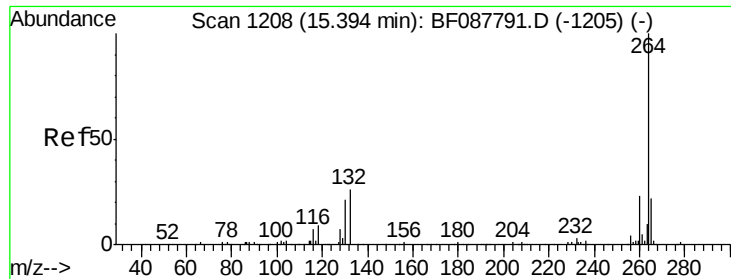
sohil
6/9/2016 8:02:13 PM



#82
Chrysene
Concen: 2.79 ng
RT: 14.01 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BF087830.D
Acq: 9 Jun 2016 1:14

Tgt Ion:	228	Resp:	31557
Ion Ratio	Lower	Upper	
228	100		
226	28.8	25.4	38.2
229	21.9	16.3	24.5





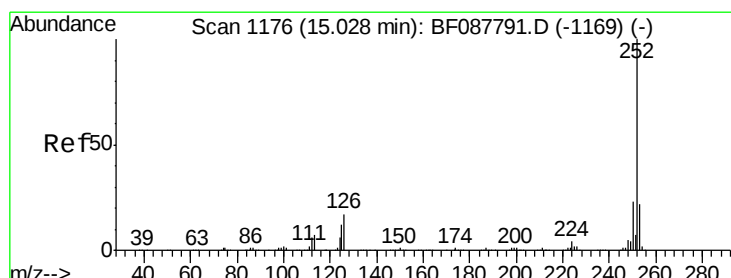
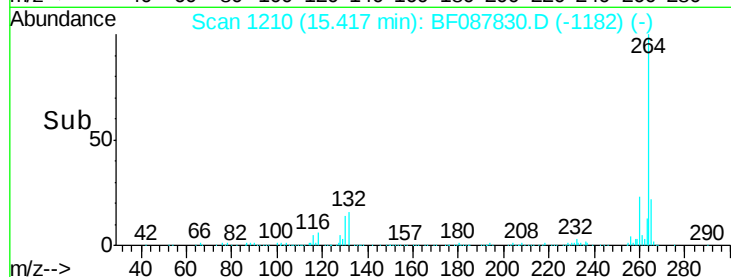
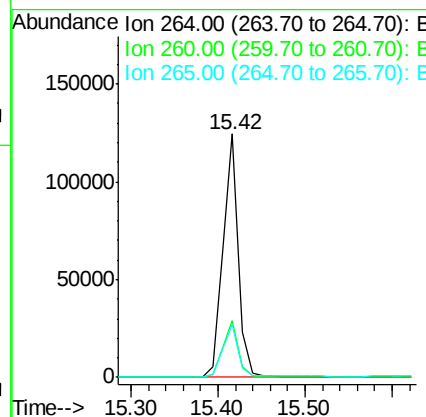
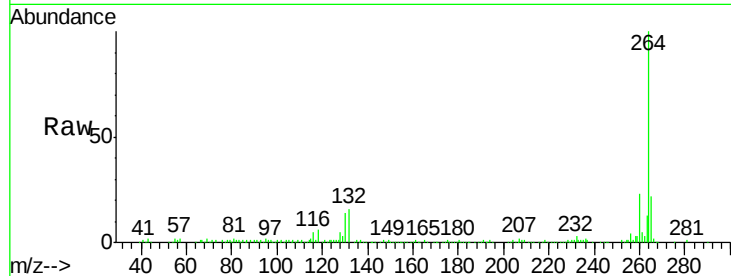
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. 0.02 min
Lab File: BF087830.D
Acq: 9 Jun 2016 1:14

Instrument :
BNA_F
ClientSampleId :
SS-29

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.7	16.9	25.3

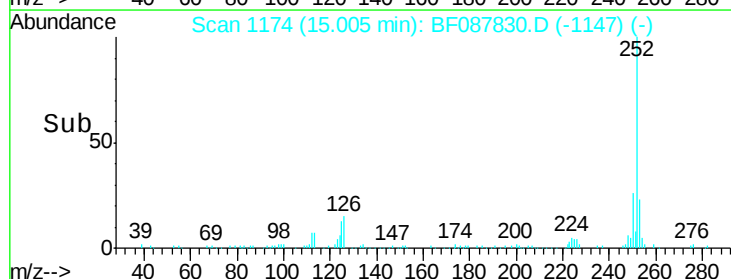
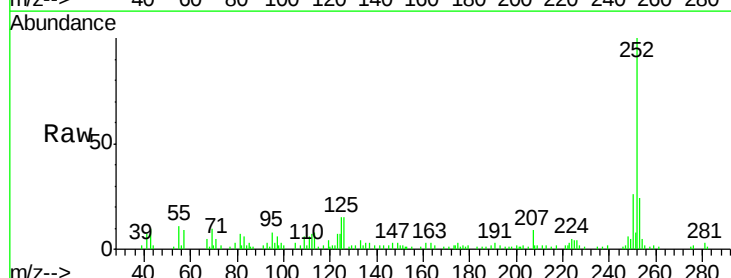
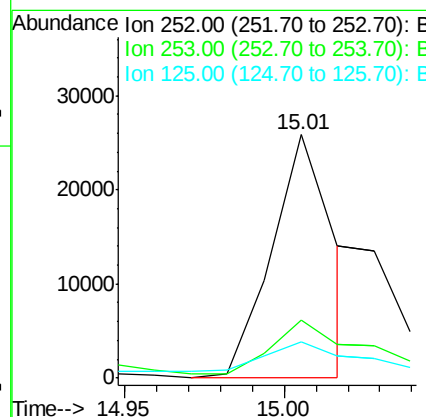
Manual Integrations
APPROVED

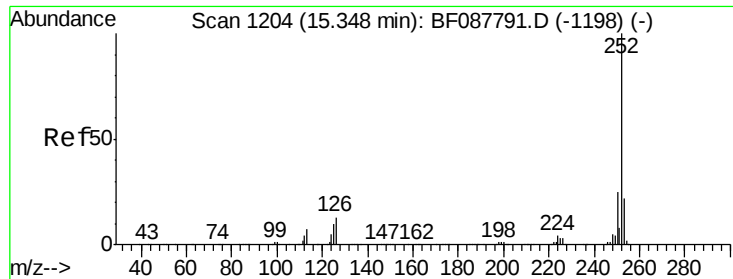
sohil
6/9/2016 8:02:13 PM



#87
Benzo(b)fluoranthene
Concen: 3.22 ng m
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087830.D
Acq: 9 Jun 2016 1:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.2
125	15.0	7.1	10.7#





#89
 Benzo(a)pyrene
 Concen: 2.93 ng
 RT: 15.35 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF087830.D
 Acq: 9 Jun 2016 1:14

Instrument :
 BNA_F
 ClientSampleId :
 SS-29

Tot Ion:	252	Resp:	25645
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.9	26.9
125	16.8	12.5	18.7

Manual Integrations
 APPROVED

sohil
 6/9/2016 8:02:13 PM

