

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080116\
 Data File : BF089533.D
 Acq On : 2 Aug 2016 2:26
 Operator : UM/SJ
 Sample : H4288-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-64-5.0-6.0

Manual Integrations
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Quant Time: Aug 02 03:57:45 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 02:21:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	36910	20.00	ng	0.00
21) Naphthalene-d8	7.77	136	124322	20.00	ng	0.00
38) Acenaphthene-d10	9.51	164	52301	20.00	ng	-0.01
63) Phenanthrene-d10	10.98	188	92194	20.00	ng	0.00
75) Chrysene-d12	13.60	240	93964	20.00	ng	-0.01
86) Perylene-d12	14.93	264	80559	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	291868	126.26	ng	0.01
7) Phenol-d6	6.15	99	396084	129.66	ng	0.00
23) Nitrobenzene-d5	7.05	82	218277	103.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.30	330	54863	126.66	ng	-0.01
44) 2-Fluorobiphenyl	8.84	172	326724	91.68	ng	-0.01
78) Terphenyl-d14	12.56	244	208264	51.87	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.24	163	71882	18.06	ng	99
70) Phenanthrene	11.00	178	35068	7.38	ng	99
71) Anthracene	11.05	178	16695	3.16	ng	99
74) Fluoranthene	12.18	202	42283	8.45	ng	99
77) Pyrene	12.40	202	37631m	5.28	ng	
80) Benzo(a)anthracene	13.59	228	18925	3.57	ng	98
82) Chrysene	13.62	228	12990	2.30	ng	96
87) Benzo(b)fluoranthene	14.58	252	14976m	2.99	ng	
89) Benzo(a)pyrene	14.88	252	13021	2.90	ng	100

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

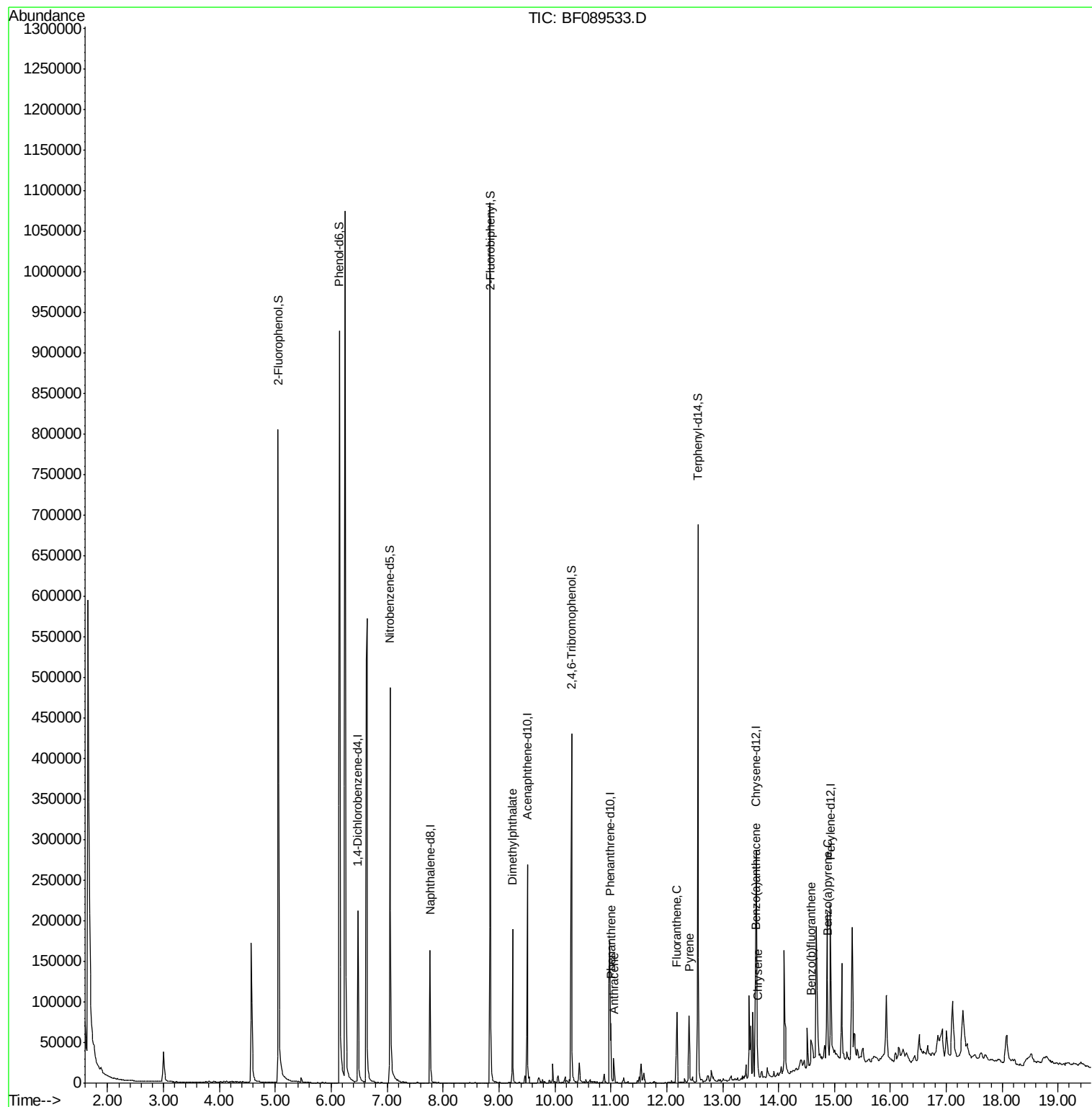
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080116\
Data File : BF089533.D
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Sample : H4288-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

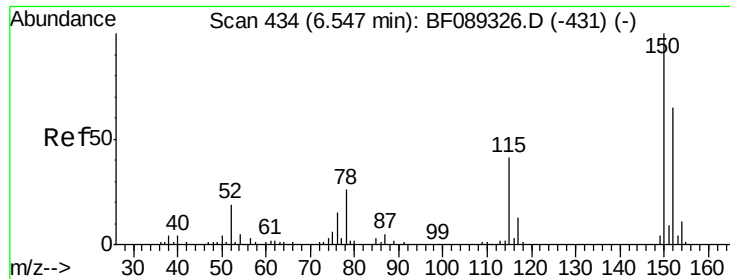
Instrument :
BNA_F
ClientSampleId :
SB-64-5.0-6.0

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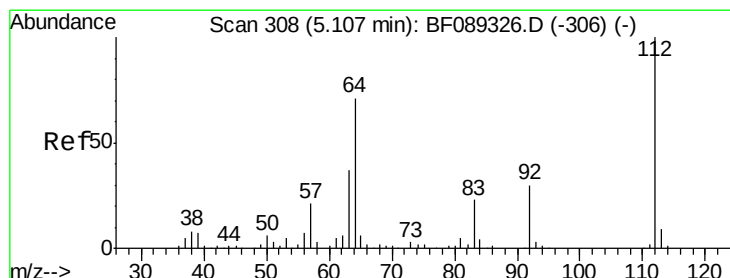
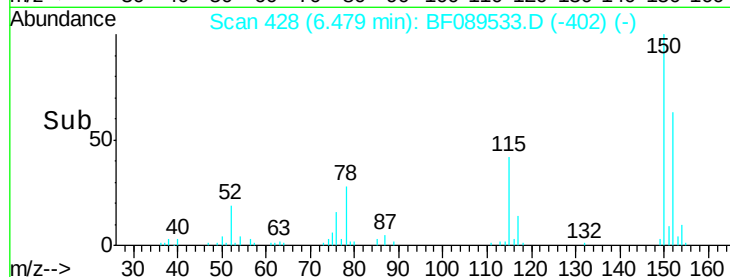
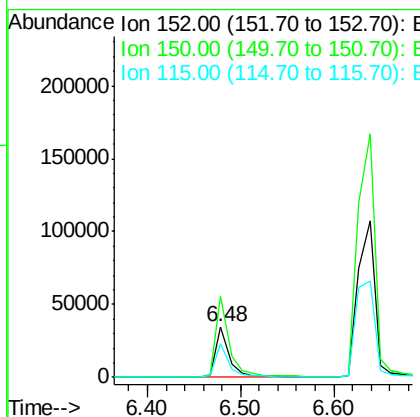
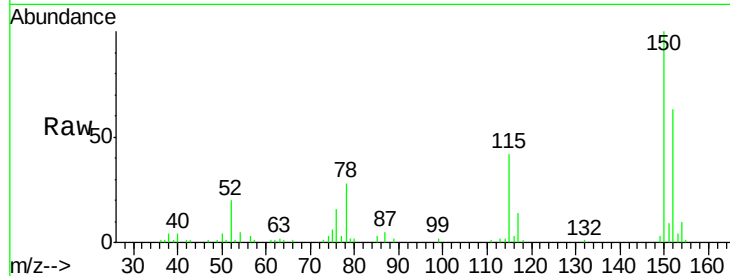
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.48 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: BF089533.D
 Acq: 2 Aug 2016 2:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-64-5.0-6.0

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	129.5	194.3
115	66.9	51.4	77.2

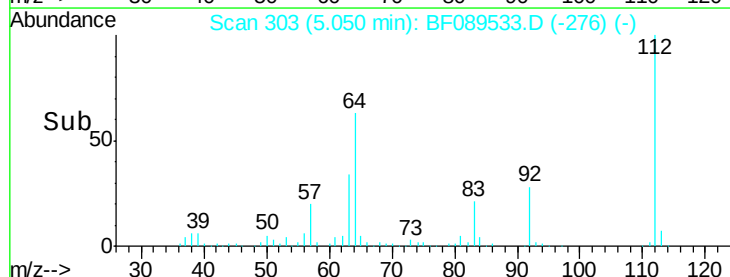
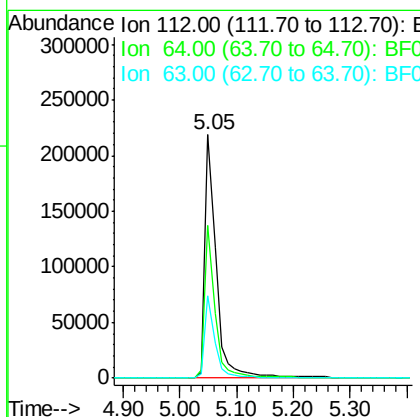
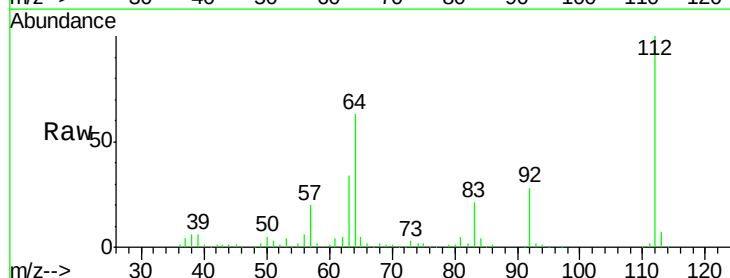
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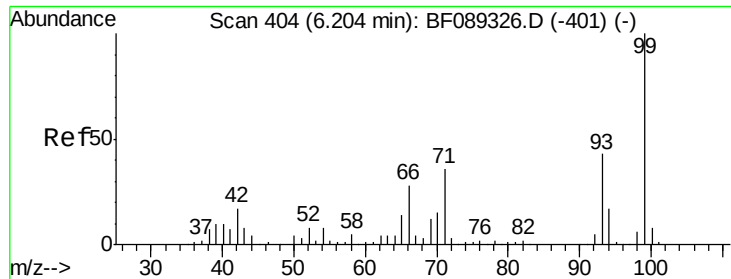
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#5
 2-Fluorophenol
 Concen: 126.26 ng
 RT: 5.05 min Scan# 303
 Delta R.T. 0.01 min
 Lab File: BF089533.D
 Acq: 2 Aug 2016 2:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.7	55.0	82.6
63	33.6	29.4	44.2





#7

Phenol-d6

Concen: 129.66 ng

RT: 6.15 min Scan# 399

Delta R.T. -0.00 min

Lab File: BF089533.D

Acq: 2 Aug 2016 2:26

Instrument :

BNA_F

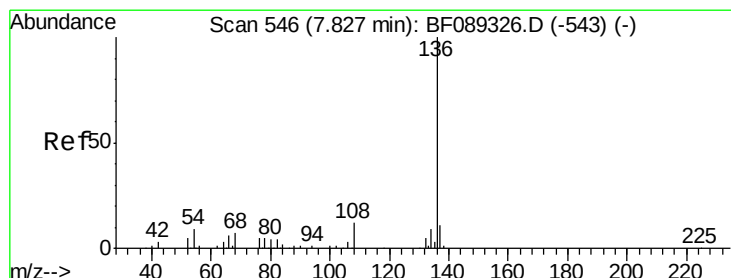
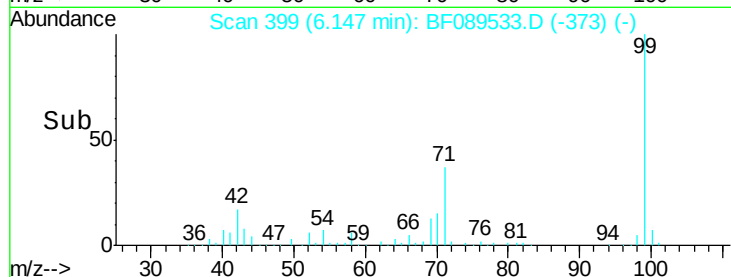
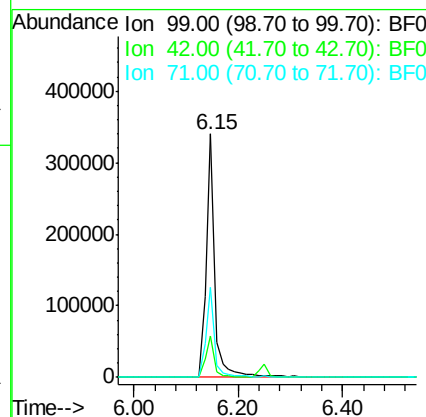
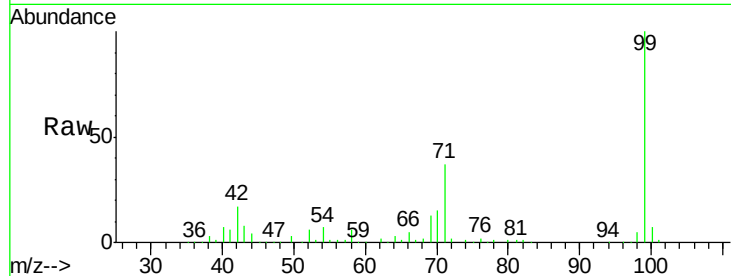
ClientSampleId :

SB-64-5.0-6.0

Tot Ion:	99	Resp:	396084
Ion Ratio	Lower	Upper	
99	100		
42	17.1	13.6	20.4
71	36.9	29.4	44.2

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#21

Naphthalene-d8

Concen: 20.00 ng

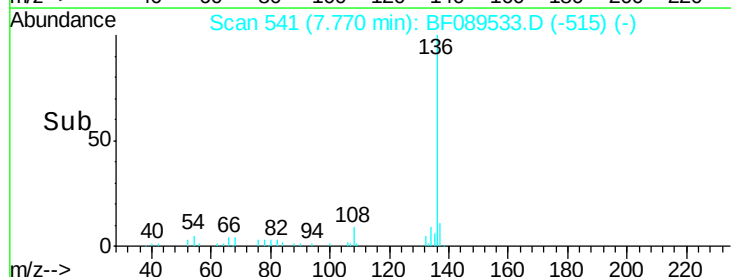
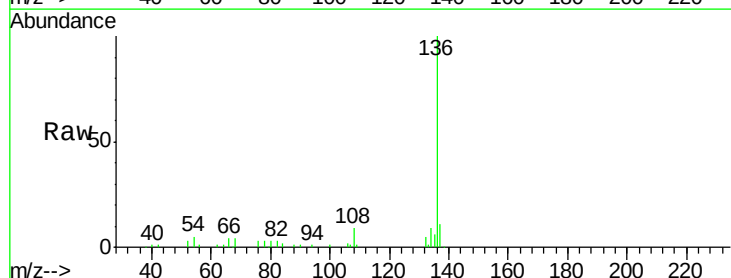
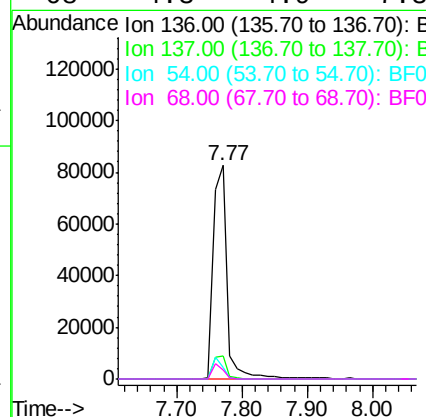
RT: 7.77 min Scan# 541

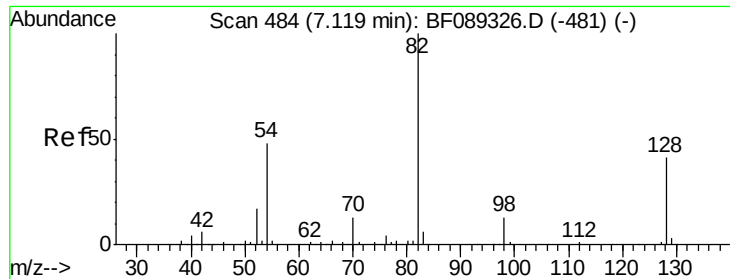
Delta R.T. -0.00 min

Lab File: BF089533.D

Acq: 2 Aug 2016 2:26

Tgt Ion:	136	Resp:	124322
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.6	13.0
54	5.3	7.0	10.4#
68	4.3	4.9	7.3#





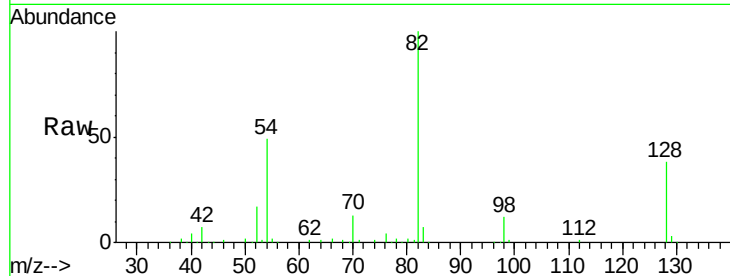
#23
 Nitrobenzene-d5
 Concen: 103.63 ng
 RT: 7.05 min Scan# 478
 Delta R.T. -0.01 min
 Lab File: BF089533.D
 Acq: 2 Aug 2016 2:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-64-5.0-6.0

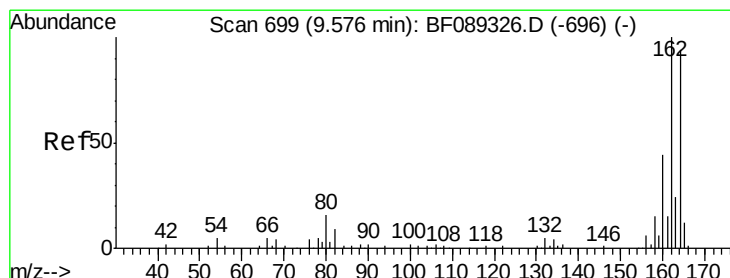
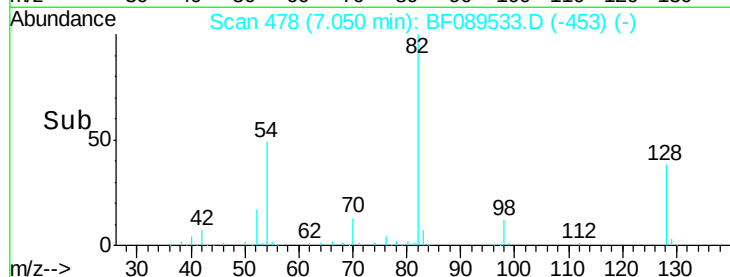
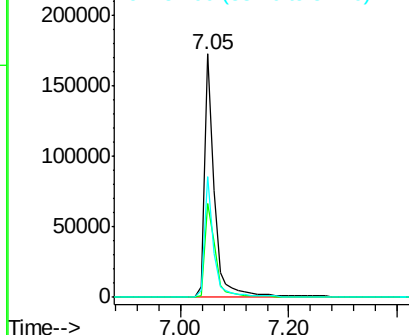
Tot Ion	Ratio	Resp	Lower	Upper
82	100	218277		
128	38.4		32.5	48.7
54	49.4		38.8	58.2

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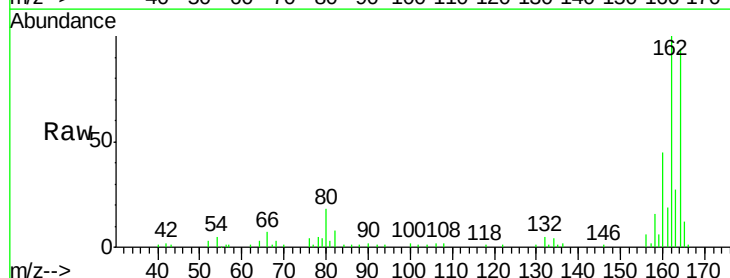


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

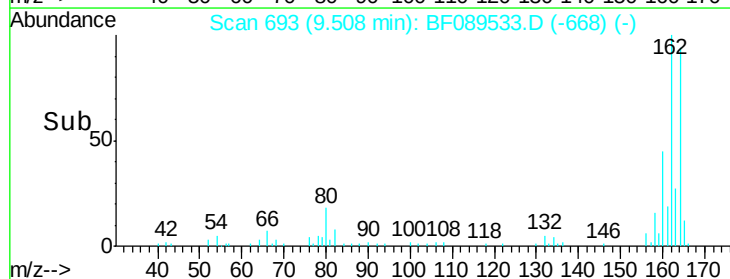
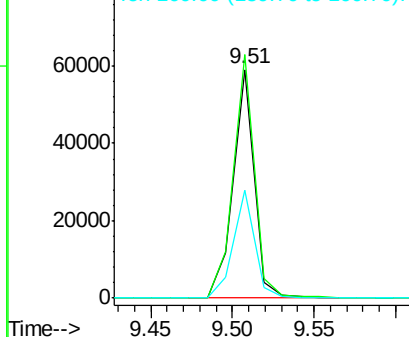


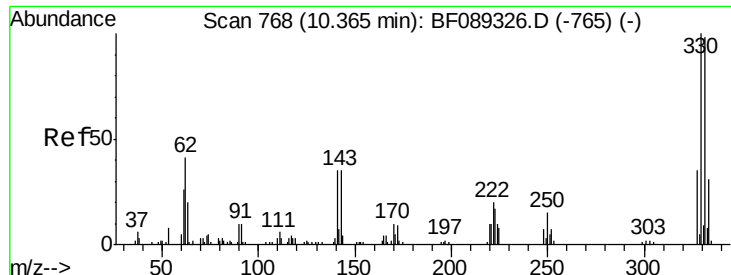
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.51 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: BF089533.D
 Acq: 2 Aug 2016 2:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	52301		
162	106.4		83.7	125.5
160	47.4		37.8	56.6



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





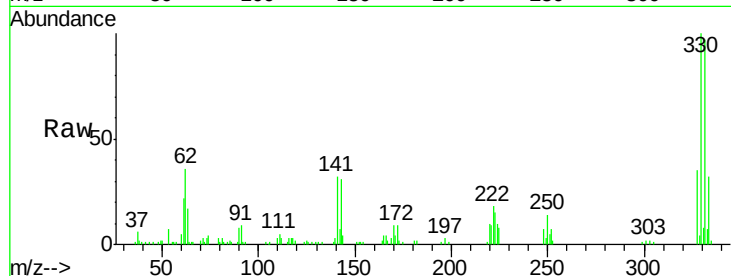
#41
 2,4,6-Tribromophenol
 Concen: 126.66 ng
 RT: 10.30 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: BF089533.D
 Acq: 2 Aug 2016 2:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-64-5.0-6.0

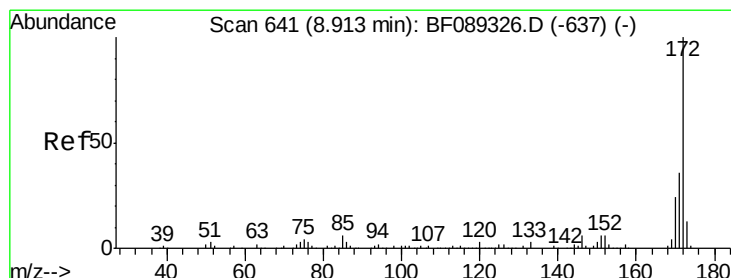
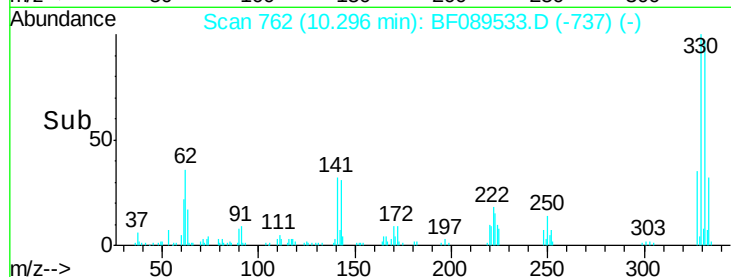
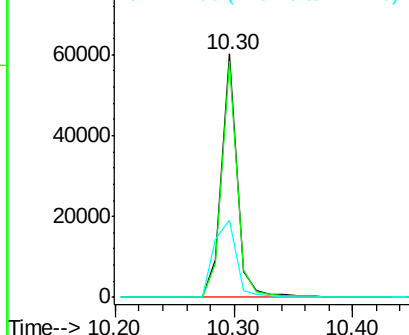
Tot Ion	Ratio	Resp	Lower	Upper
330	100	54863		
332	96.1		76.8	115.2
141	45.6		37.3	55.9

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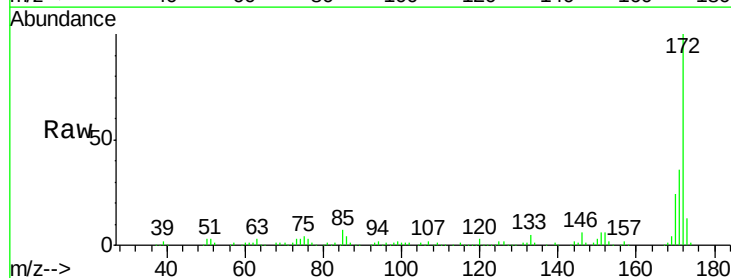


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

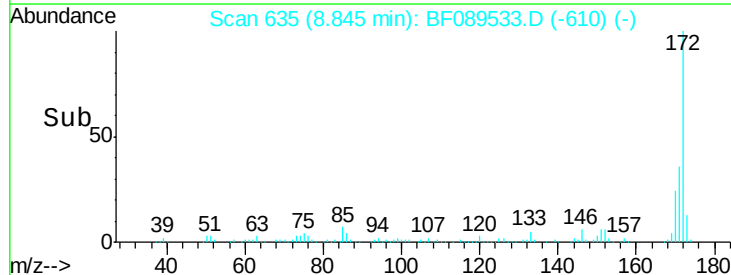
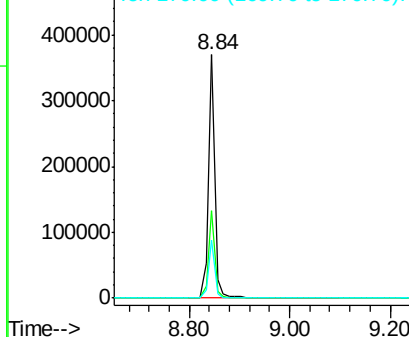


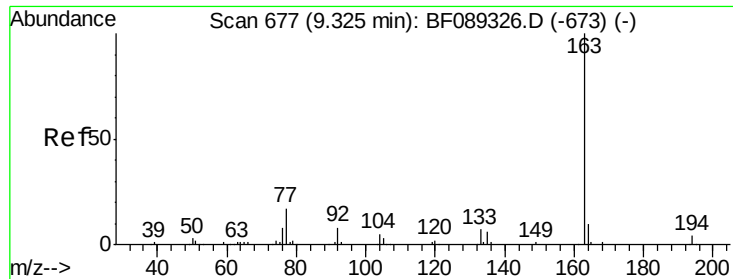
#44
 2-Fluorobiphenyl
 Concen: 91.68 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF089533.D
 Acq: 2 Aug 2016 2:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	326724		
171	35.9		29.2	43.8
170	23.8		19.2	28.8



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





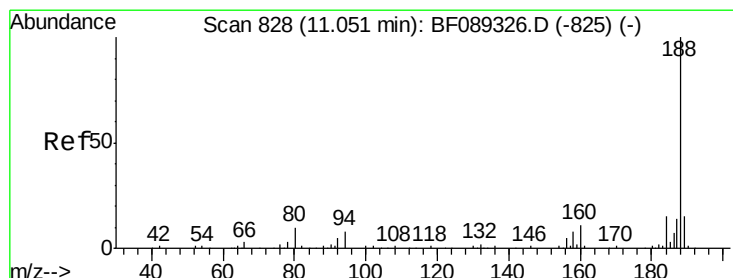
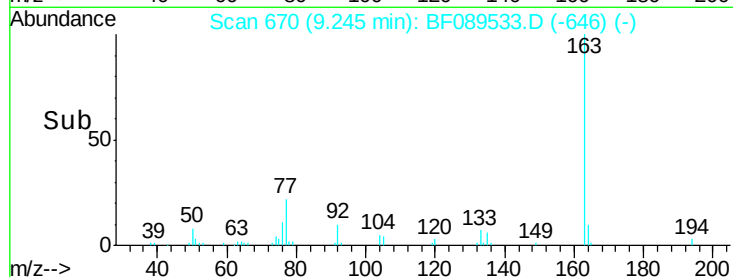
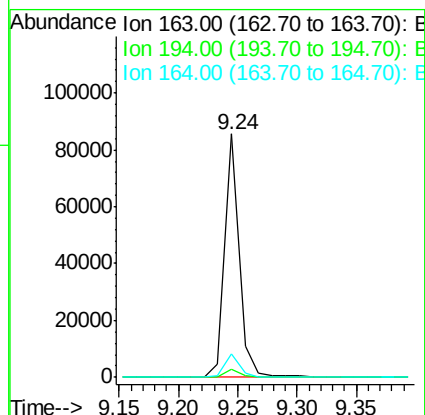
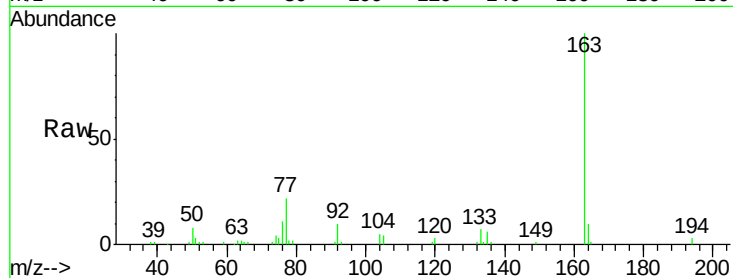
#49
Dimethylphthalate
Concen: 18.06 ng
RT: 9.24 min Scan# 670
Delta R.T. -0.02 min
Lab File: BF089533.D
Acq: 2 Aug 2016 2:26

Instrument :
BNA_F
ClientSampleId :
SB-64-5.0-6.0

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	9.6	7.8	11.8

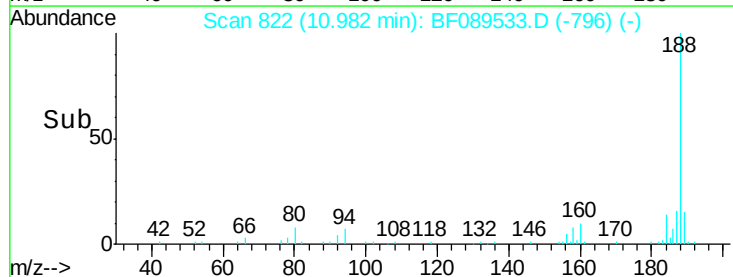
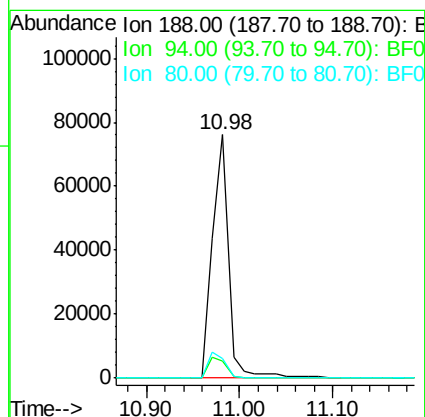
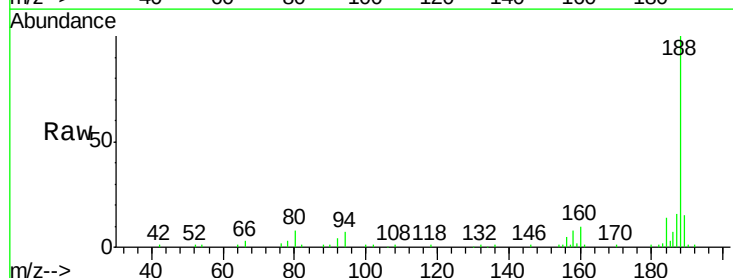
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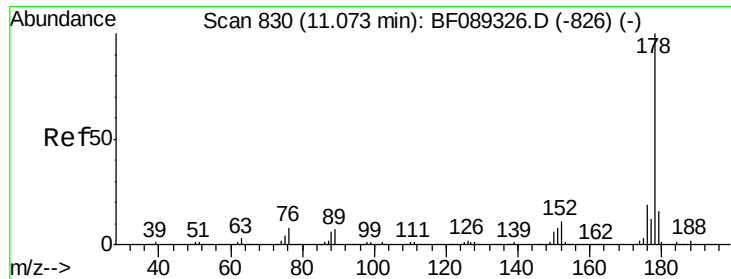
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.98 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF089533.D
Acq: 2 Aug 2016 2:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.5	9.7
80	7.9	7.2	10.8





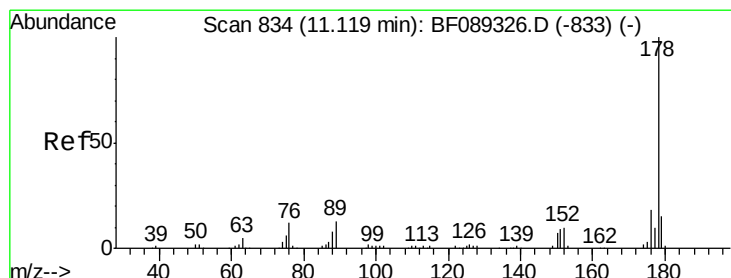
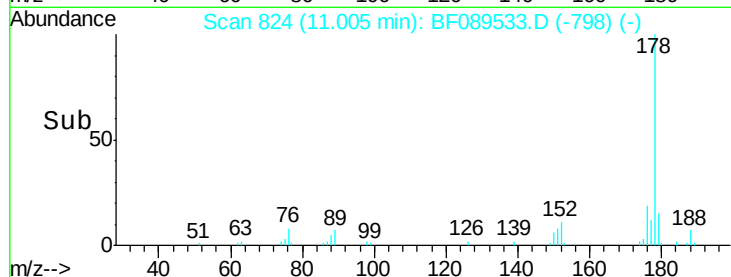
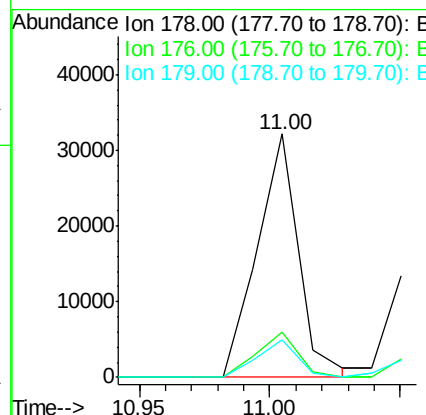
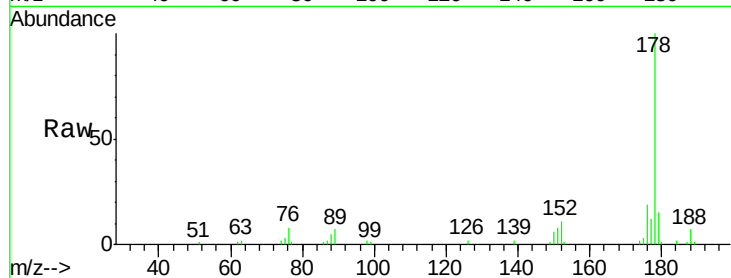
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Phenanthrene
Concen: 7.38 ng
RT: 11.00 min Scan# 824
Delta R.T. -0.00 min
Lab File: BF089533.D
Acq: 2 Aug 2016 2:26

Instrument :
BNA_F
ClientSampleId :
SB-64-5.0-6.0

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.5	23.3
179	15.4	12.3	18.5

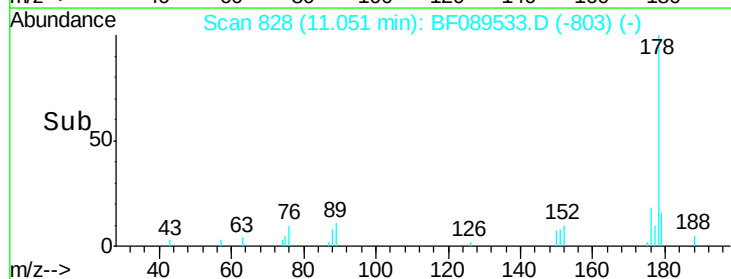
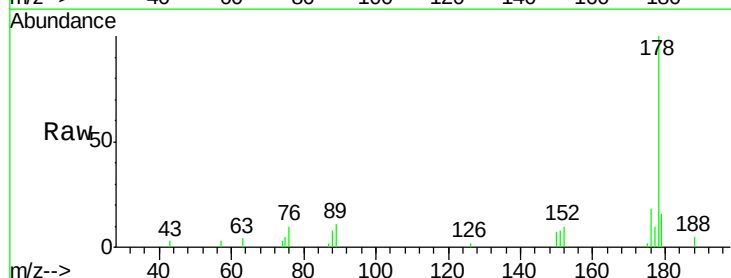
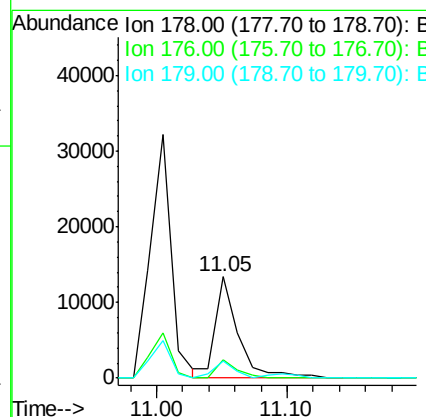
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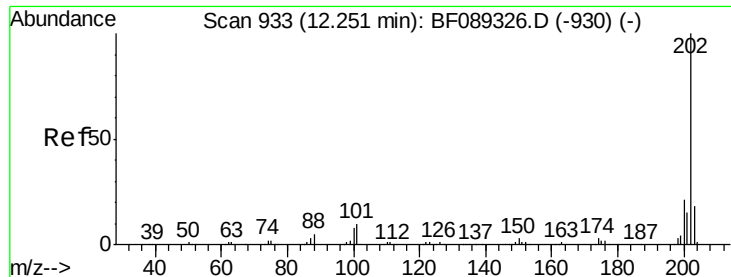
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#71
Anthracene
Concen: 3.16 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF089533.D
Acq: 2 Aug 2016 2:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	16.3	12.6	18.8





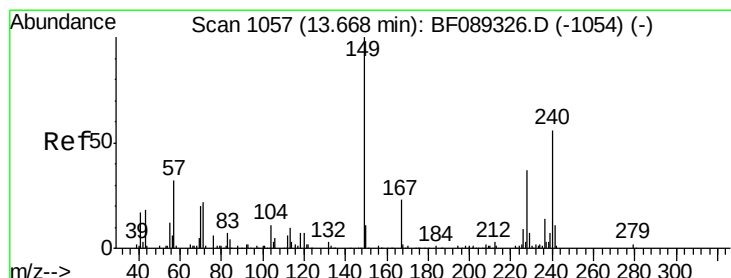
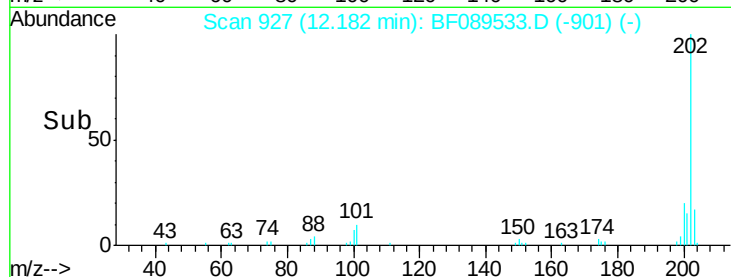
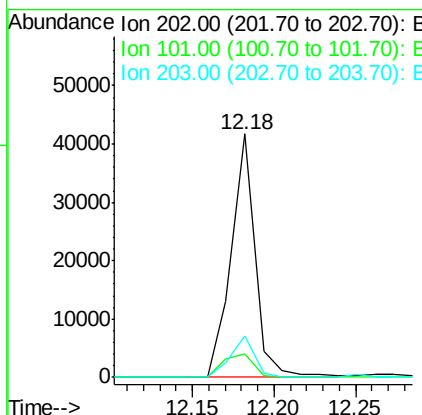
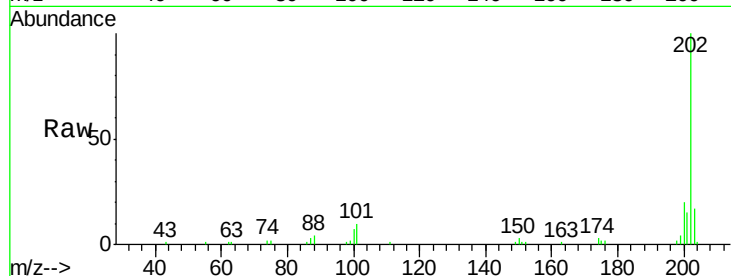
#74
Fluoranthene
Concen: 8.45 ng
RT: 12.18 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF089533.D
Acq: 2 Aug 2016 2:26

Instrument :
BNA_F
ClientSampleId :
SB-64-5.0-6.0

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.5	0.0	29.9
203	17.0	0.0	37.3

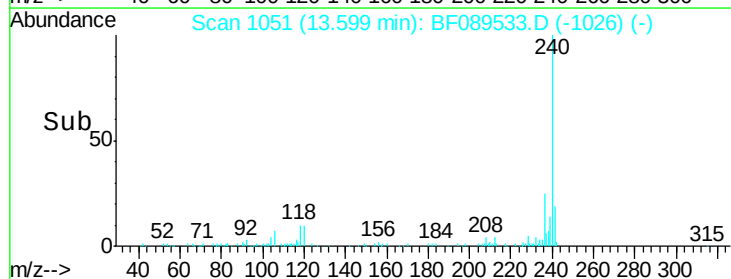
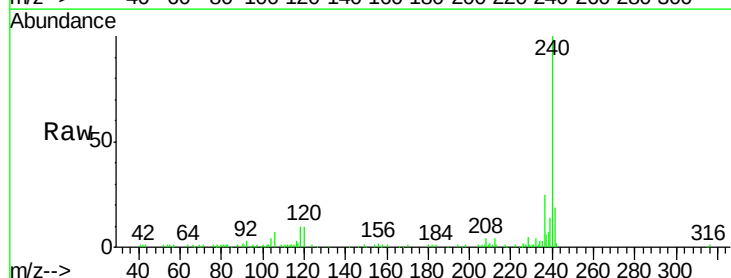
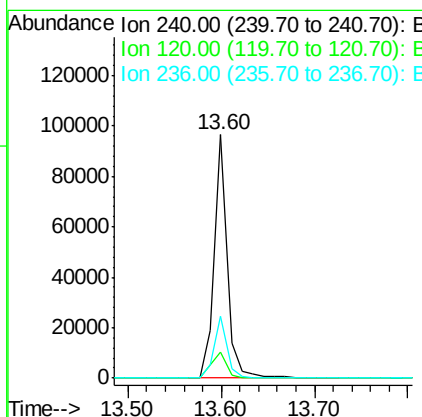
Manual Integrations
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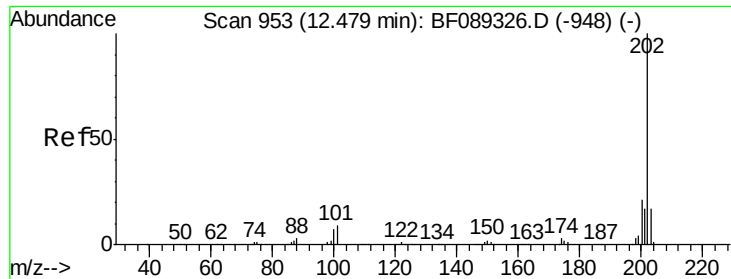
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.60 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF089533.D
Acq: 2 Aug 2016 2:26

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.5	9.1	13.7
236	25.3	20.6	30.8





#77

Pvrene

Concen: 5.28 ng/mL

RT: 12.40 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF089533.D

Acq: 2 Aug 2016 2:26

Instrument :

BNA_F

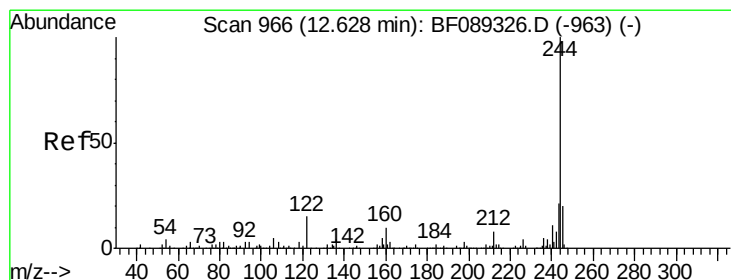
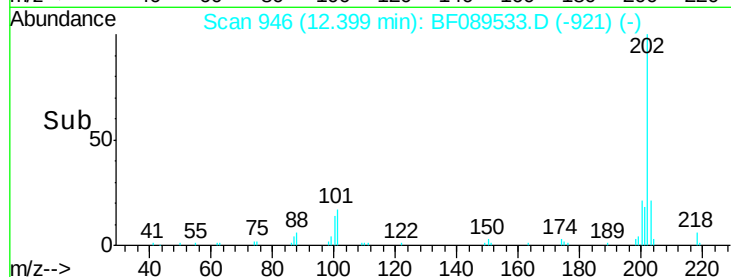
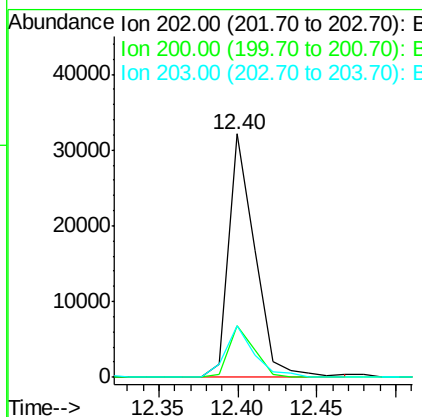
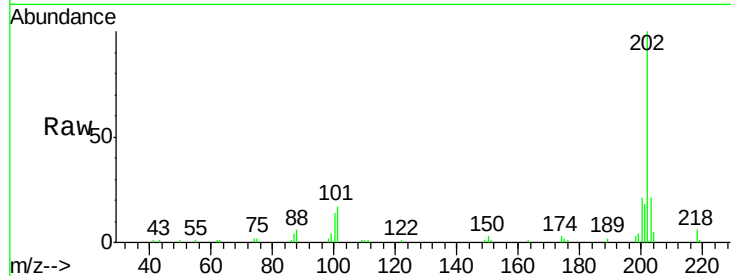
ClientSampleId :

SB-64-5.0-6.0

Tot Ion:	202	Resp:	37631
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.9	25.3
203	21.0	14.0	21.0

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#78

Terphenyl-d14

Concen: 51.87 ng/mL

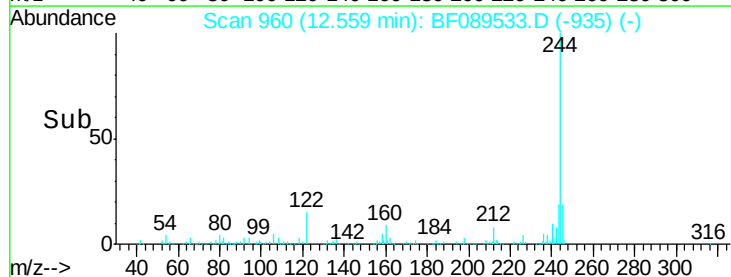
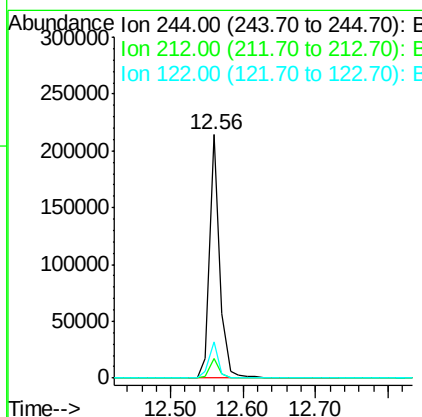
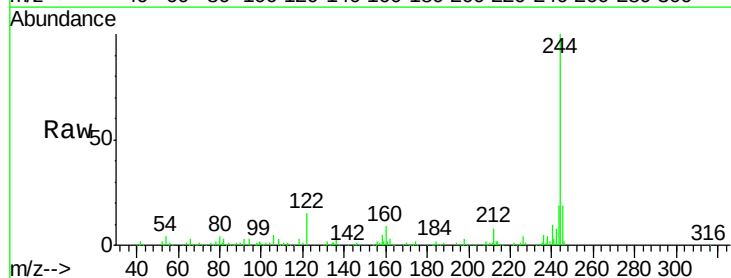
RT: 12.56 min Scan# 960

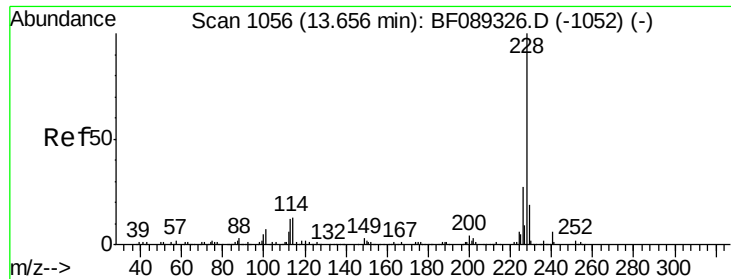
Delta R.T. -0.01 min

Lab File: BF089533.D

Acq: 2 Aug 2016 2:26

Tgt Ion:	244	Resp:	208264
Ion Ratio	Lower	Upper	
244	100		
212	8.2	6.5	9.7
122	14.7	11.4	17.0





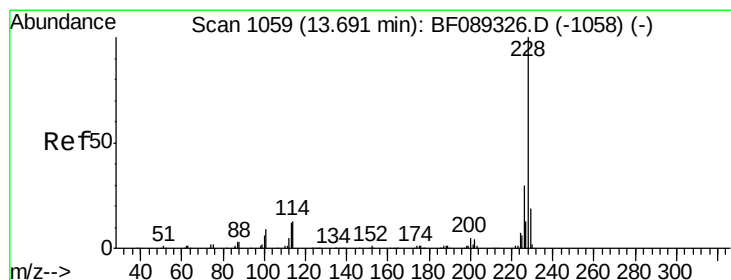
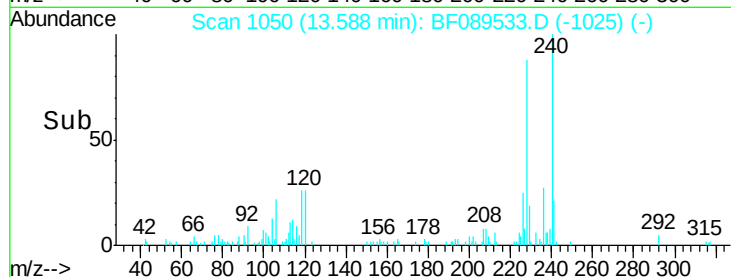
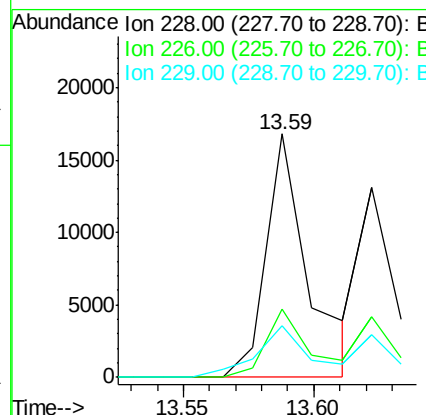
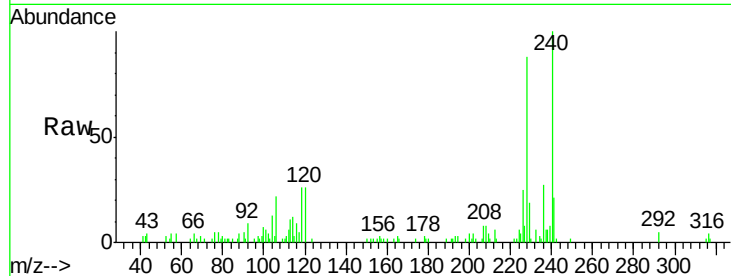
#80
Benzo(a)anthracene
Concen: 3.57 ng
RT: 13.59 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF089533.D
Acq: 2 Aug 2016 2:26

Instrument :
BNA_F
ClientSampleId :
SB-64-5.0-6.0

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.4	32.2
229	21.0	15.9	23.9

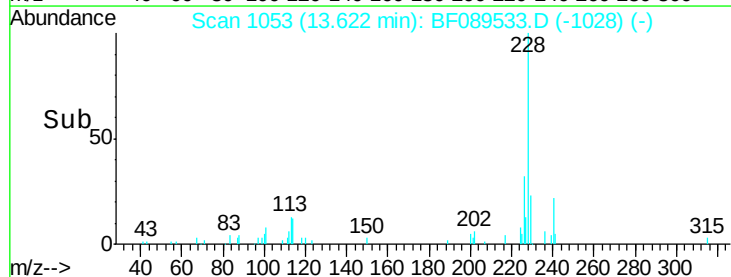
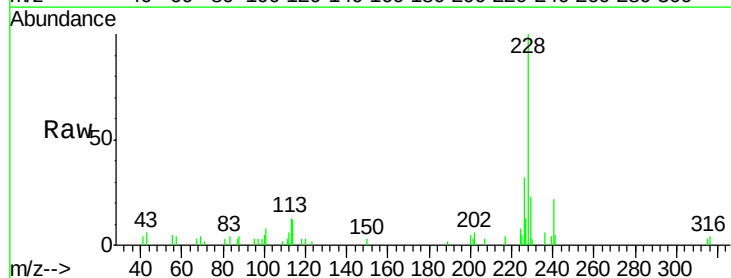
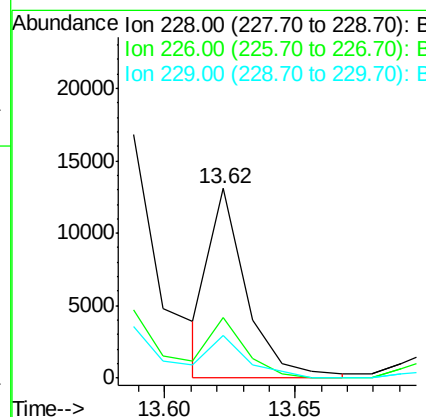
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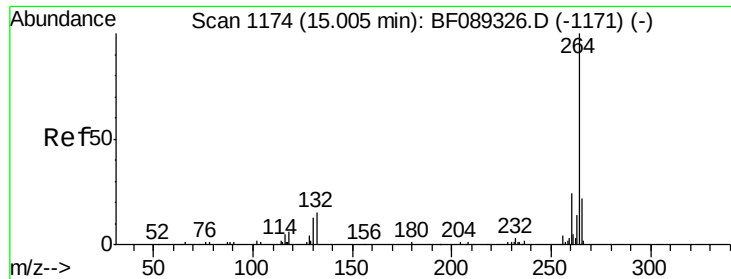
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#82
Chrysene
Concen: 2.30 ng
RT: 13.62 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BF089533.D
Acq: 2 Aug 2016 2:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.2	36.2
229	22.6	15.9	23.9





#86

Pervlene-d12

Concen: 20.00 ng

RT: 14.93 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BF089533.D

Acq: 2 Aug 2016 2:26

Instrument :

BNA_F

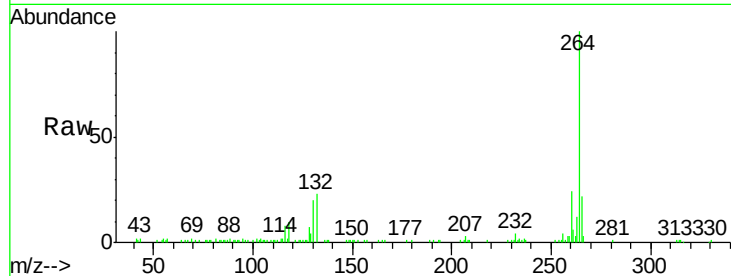
ClientSampleId :

SB-64-5.0-6.0

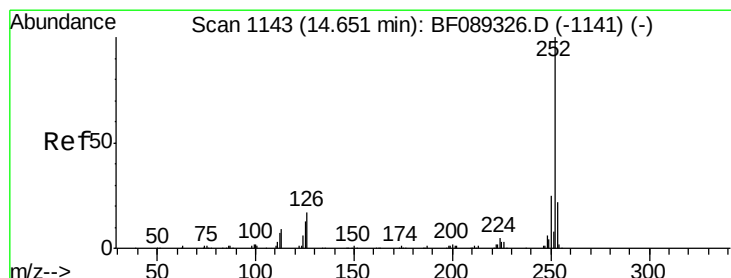
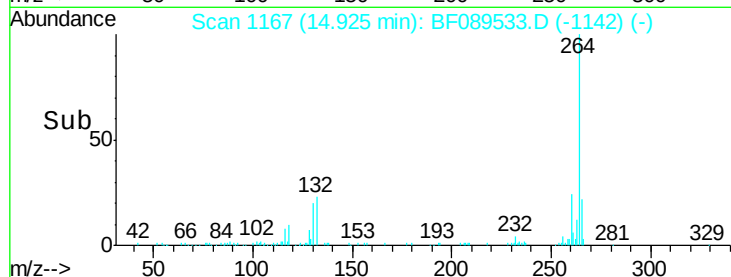
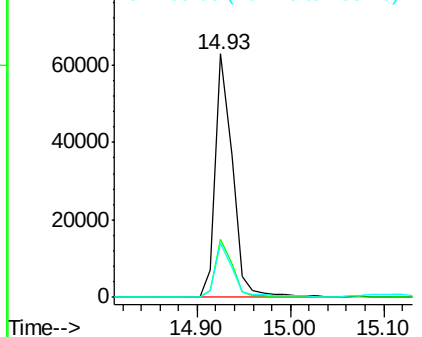
Tot Ion:	264	Resp:	80559
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.0	28.4
265	22.0	17.5	26.3

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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: 2.99 ng m

RT: 14.58 min Scan# 1137

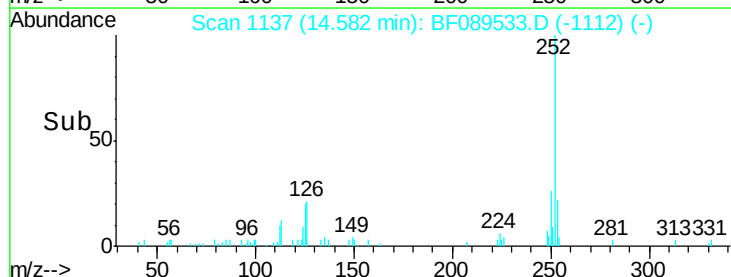
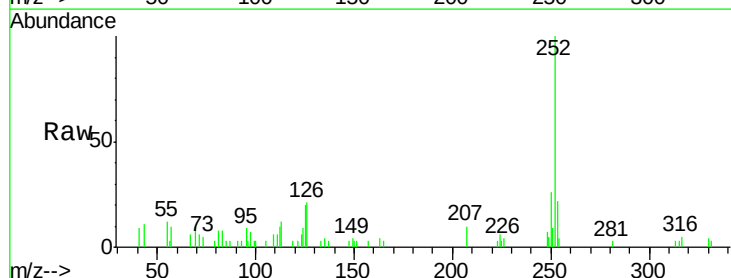
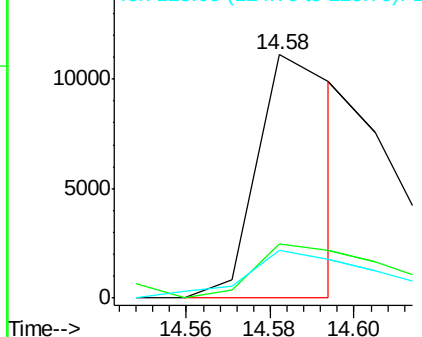
Delta R.T. -0.01 min

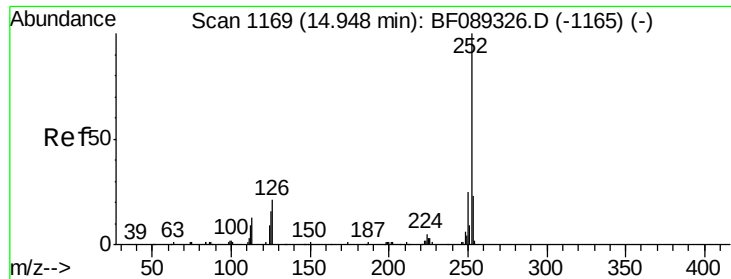
Lab File: BF089533.D

Acq: 2 Aug 2016 2:26

Tgt Ion:	252	Resp:	14976
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.2	25.8
125	19.9	9.7	14.5#

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: 2.90 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF089533.D
Acq: 2 Aug 2016 2:26

Instrument :
BNA_F
ClientSampleId :
SB-64-5.0-6.0

Tot Ion:	252	Resp:	13021
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.4	26.2
125	15.3	12.4	18.6

Manual Integrations
APPROVED

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