

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082316\
 Data File : BF089832.D
 Acq On : 23 Aug 2016 14:05
 Operator : UM/SJ
 Sample : H4547-09
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-7(3-3.5)

Manual Integrations
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Quant Time: Aug 25 13:41:47 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	468022	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	1064799	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	518334	20.00	ng	0.01
63) Phenanthrene-d10	11.20	188	1149150	20.00	ng	0.01
75) Chrysene-d12	13.85	240	1349998	20.00	ng	-0.02
86) Perylene-d12	15.33	264	1119526	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	2403009	88.05	ng	-0.01
7) Phenol-d6	6.31	99	3192118	95.28	ng	-0.01
23) Nitrobenzene-d5	7.24	82	1712822	99.93	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	513345	104.21	ng	0.01
44) 2-Fluorobiphenyl	9.05	172	2387153	80.94	ng	0.00
78) Terphenyl-d14	12.78	244	2681818	44.94	ng	-0.01
Target Compounds						
10) Phenol	6.32	94	98405	2.51	ng	Qvalue 84
31) Naphthalene	8.00	128	7121155	143.09	ng	# 93
37) 2-Methylnaphthalene	8.70	142	5984512	185.88	ng	# 93
45) 1,1'-Biphenyl	9.15	154	204757	5.10	ng	89
49) Dimethylphthalate	9.45	163	826013	22.63	ng	# 90
51) Acenaphthene	9.76	154	423812	13.44	ng	# 81
57) Fluorene	10.27	166	1209947	38.33	ng	# 80
70) Phenanthrene	11.22	178	2089272	36.00	ng	# 96
77) Pyrene	12.63	202	624594	5.68	ng	# 95

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

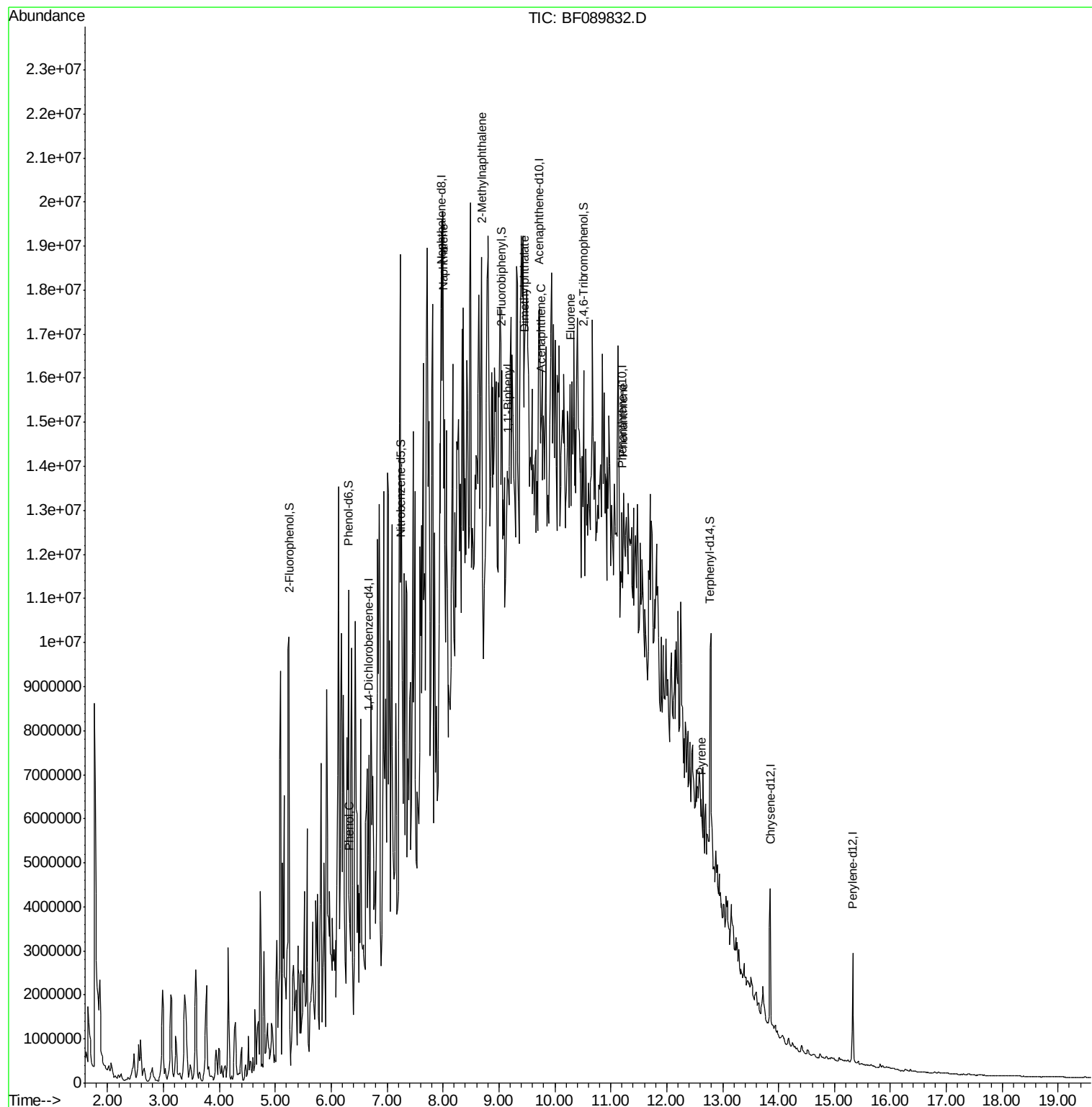
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082316\
Data File : BF089832.D
Acq On : 23 Aug 2016 14:05
Operator : UM/SJ
Sample : H4547-09
Misc :
ALS Vial : 49 Sample Multiplier: 1

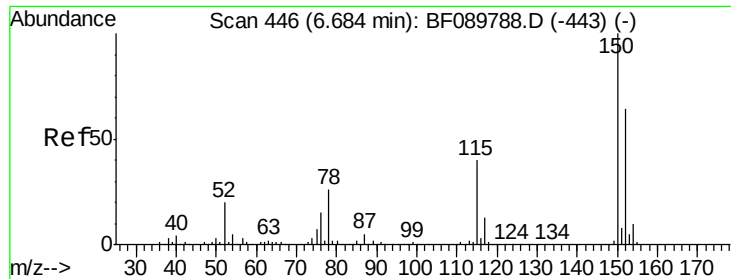
Instrument :
BNA_F
ClientSampleId :
D-7(3-3.5)

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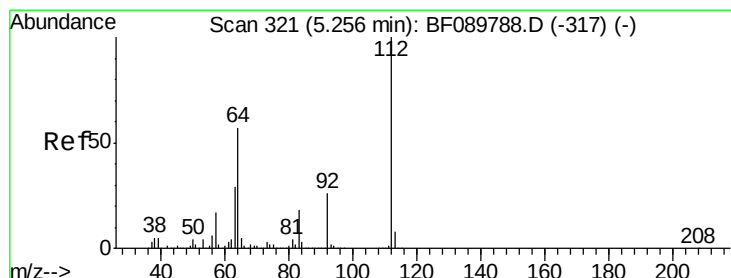
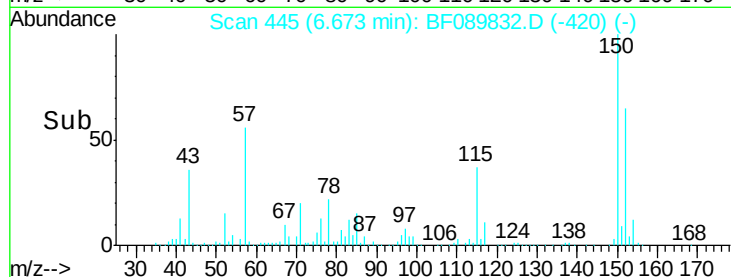
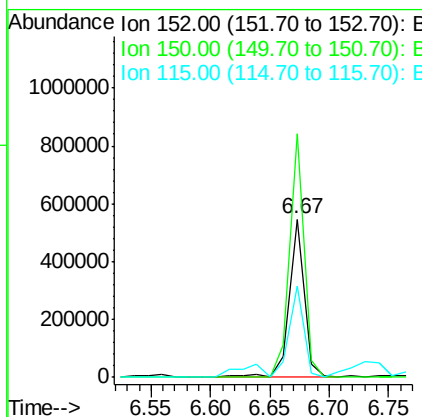
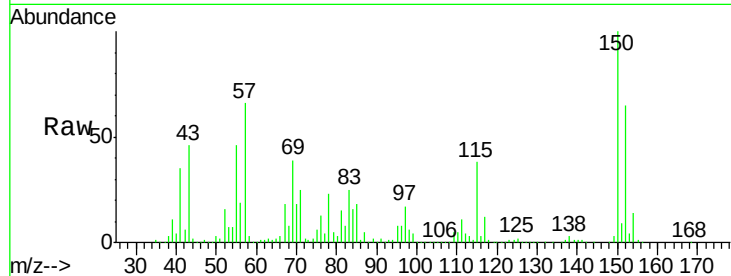
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 445
 Delta R.T. -0.01 min
 Lab File: BF089832.D
 Acq: 23 Aug 2016 14:05

Instrument :
 BNA_F
 ClientSampleId :
 D-7(3-3.5)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.9	125.3	187.9
115	57.8	40.9	61.3

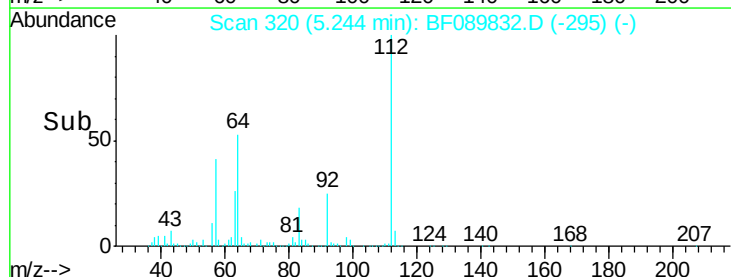
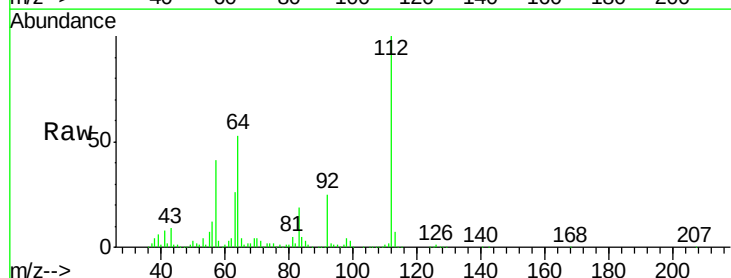
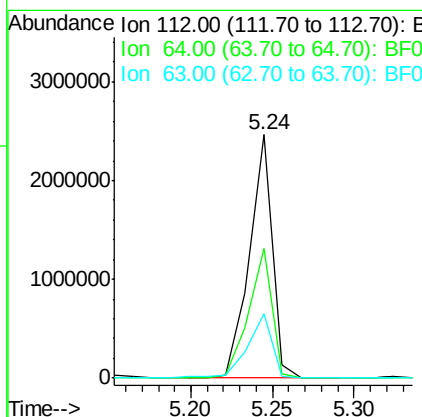
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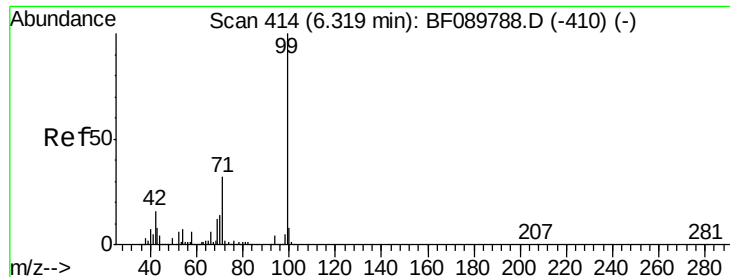
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#5
 2-Fluorophenol
 Concen: 88.05 ng
 RT: 5.24 min Scan# 320
 Delta R.T. -0.01 min
 Lab File: BF089832.D
 Acq: 23 Aug 2016 14:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	45.0	67.4
63	26.5	23.1	34.7





#7

Phenol-d6

Concen: 95.28 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF089832.D

Acq: 23 Aug 2016 14:05

Instrument :

BNA_F

ClientSampleId :

D-7(3-3.5)

Tgt Ion: 99 Resp: 3192118

Ion Ratio Lower Upper

99 100

42 14.4 12.2 18.4

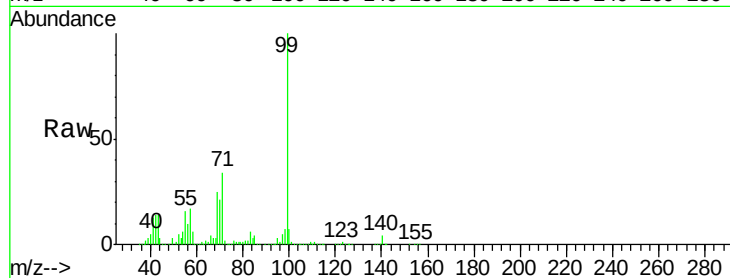
71 33.6 23.8 35.8

Manual Integrations

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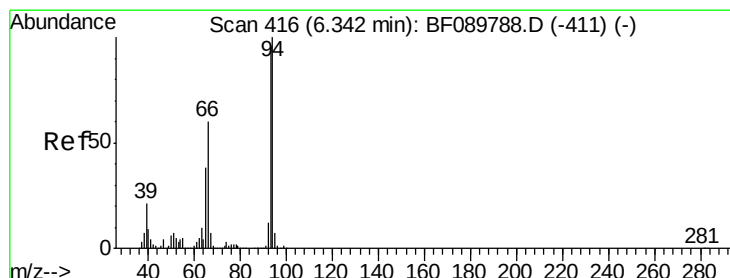
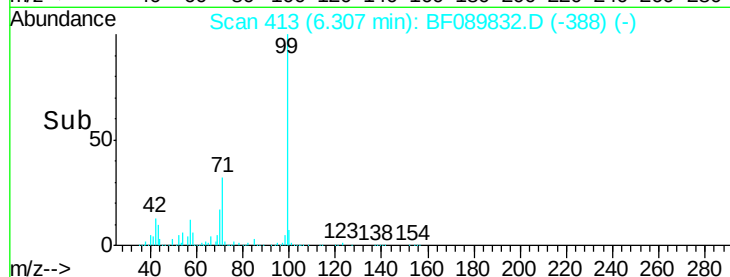
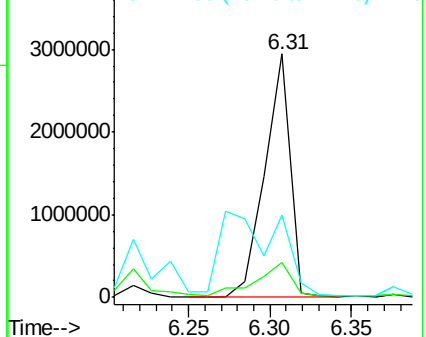
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.51 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.02 min

Lab File: BF089832.D

Acq: 23 Aug 2016 14:05

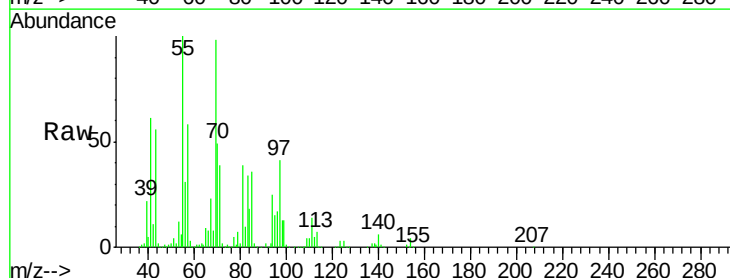
Tgt Ion: 94 Resp: 98405

Ion Ratio Lower Upper

94 100

65 35.3 14.0 54.0

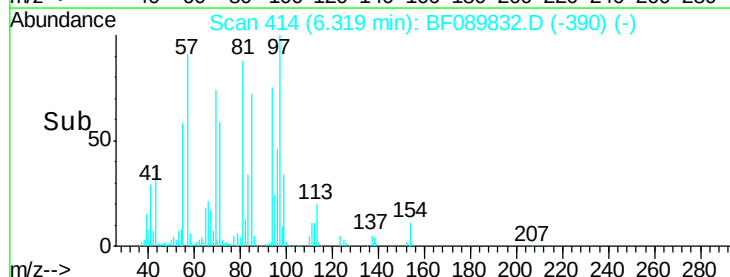
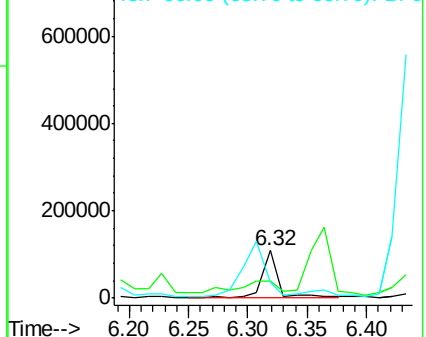
66 33.6 31.2 71.2

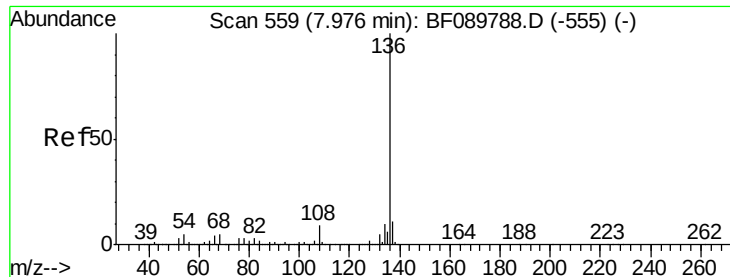


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





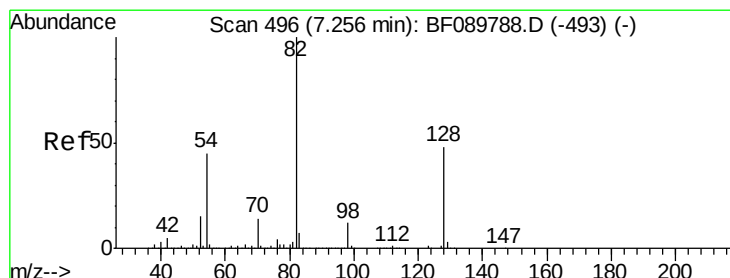
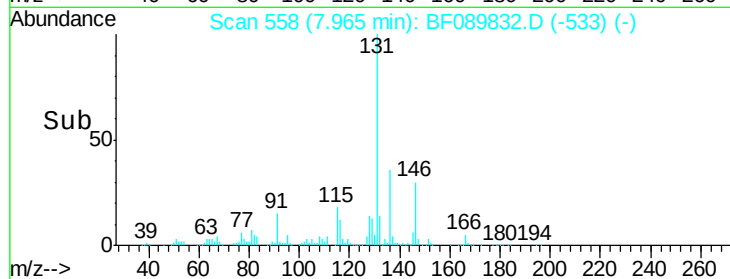
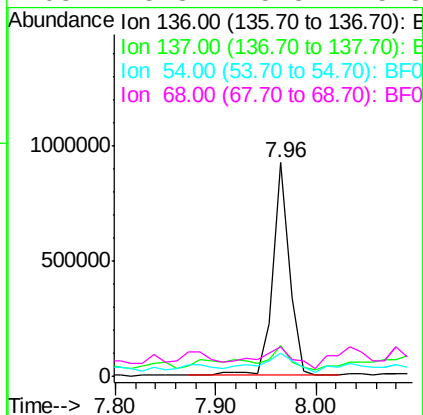
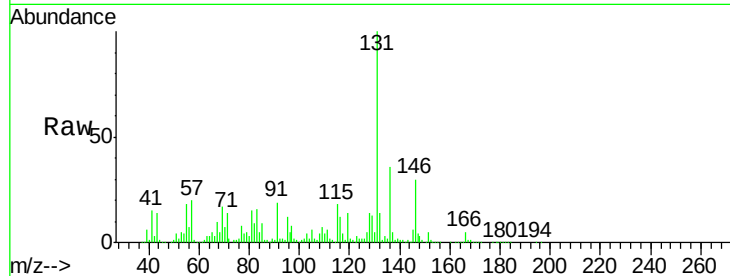
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF089832.D
Acq: 23 Aug 2016 14:05

Instrument :
BNA_F
ClientSampleId :
D-7(3-3.5)

Tgt Ion	Ratio	Lower	Upper
136	100		
137	14.4	9.2	13.8#
54	11.0	7.2	10.8#
68	13.8	5.8	8.8#

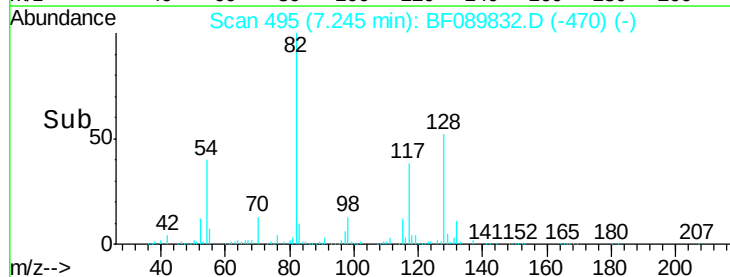
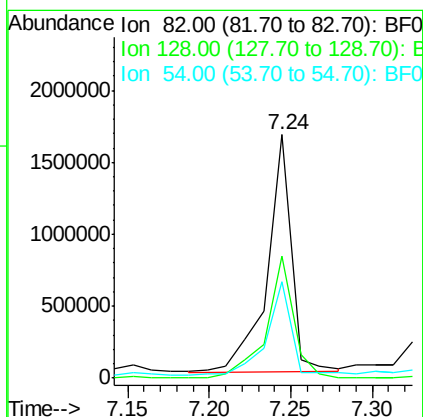
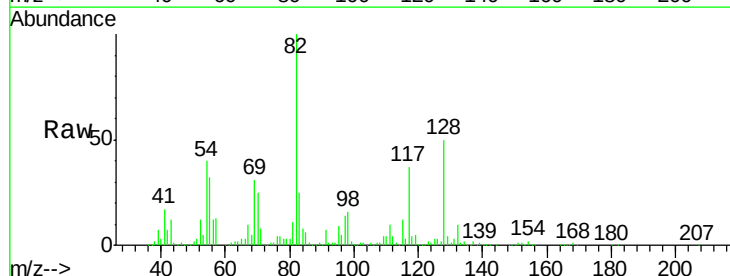
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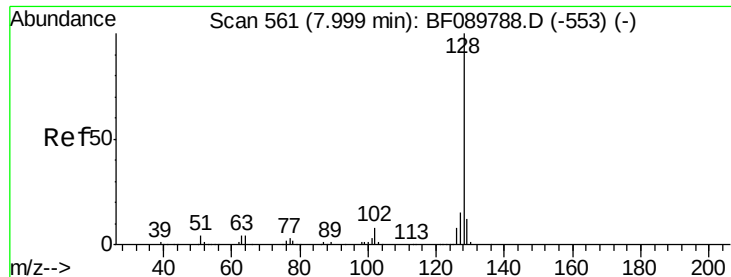
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#23
Nitrobenzene-d5
Concen: 99.93 ng
RT: 7.24 min Scan# 495
Delta R.T. -0.01 min
Lab File: BF089832.D
Acq: 23 Aug 2016 14:05

Tgt Ion	Ratio	Lower	Upper
82	100		
128	50.1	34.4	51.6
54	39.7	40.3	60.5#





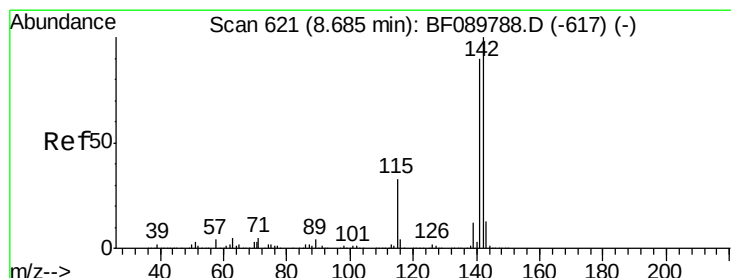
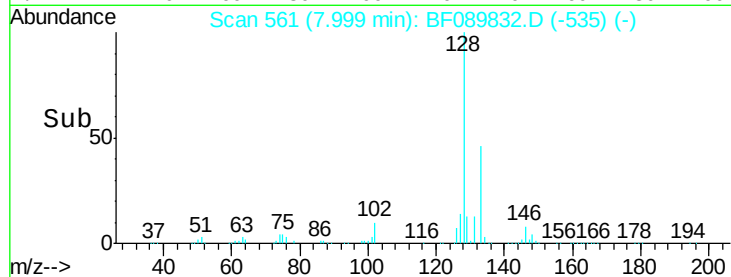
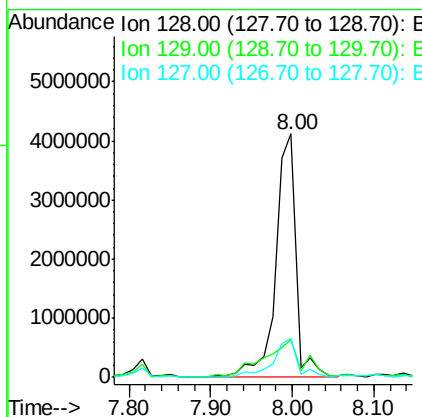
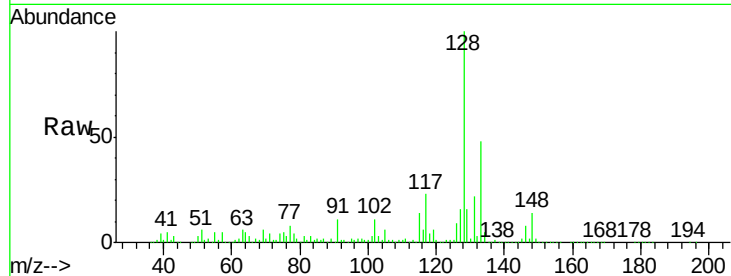
#31
Naphthalene
Concen: 143.09 ng
RT: 8.00 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF089832.D
Acq: 23 Aug 2016 14:05

Instrument :
BNA_F
ClientSampled :
D-7(3-3.5)

Tgt Ion	Ratio	Lower	Upper
128	100		
129	15.6	9.5	14.3#
127	16.2	11.3	16.9

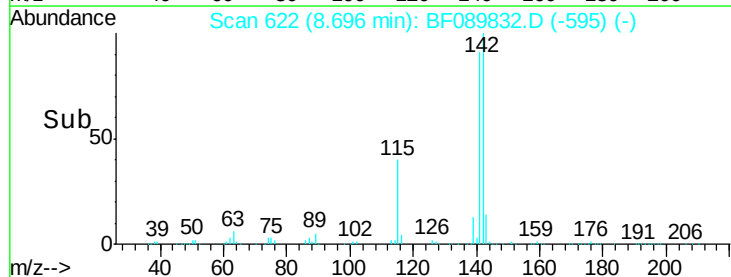
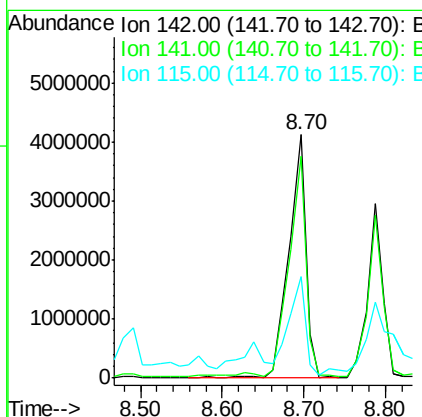
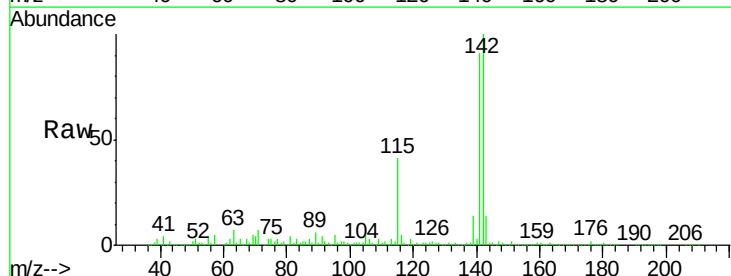
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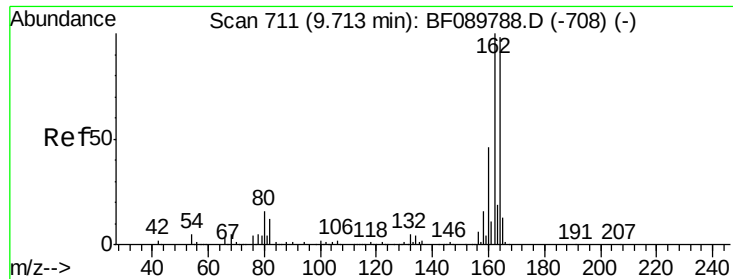
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#37
2-Methylnaphthalene
Concen: 185.88 ng
RT: 8.70 min Scan# 622
Delta R.T. 0.01 min
Lab File: BF089832.D
Acq: 23 Aug 2016 14:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.0	71.4	107.2
115	41.5	22.7	34.1#





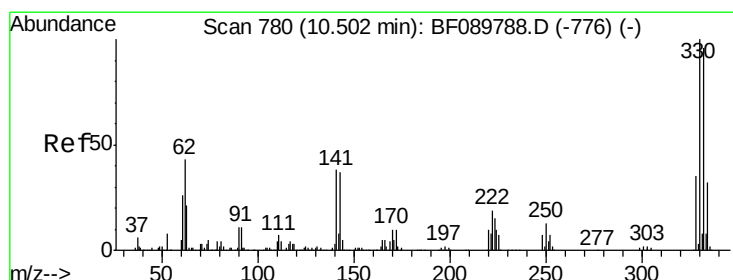
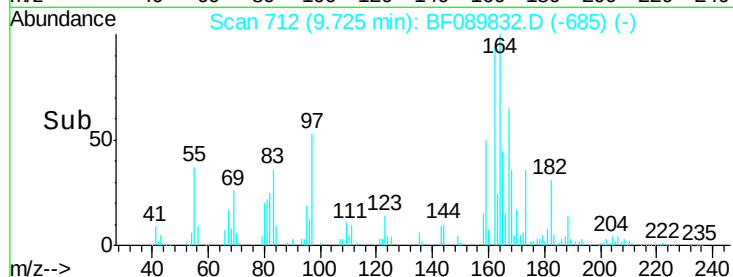
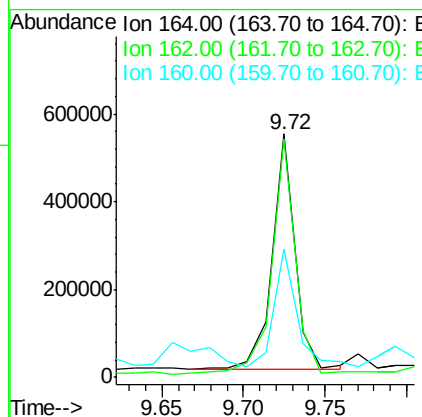
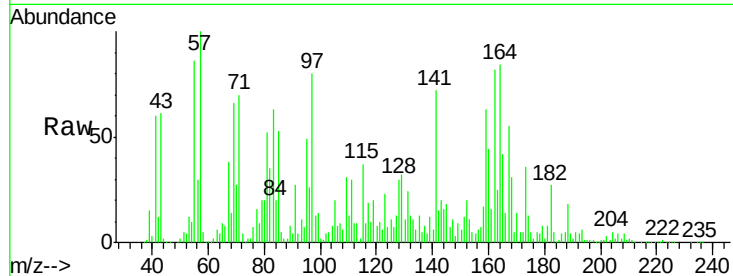
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.72 min Scan# 712
 Delta R.T. 0.01 min
 Lab File: BF089832.D
 Acq: 23 Aug 2016 14:05

Instrument :
 BNA_F
 ClientSampleId :
 D-7(3-3.5)

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	518334		
162	97.7	81.4	122.2	
160	52.8	37.8	56.6	

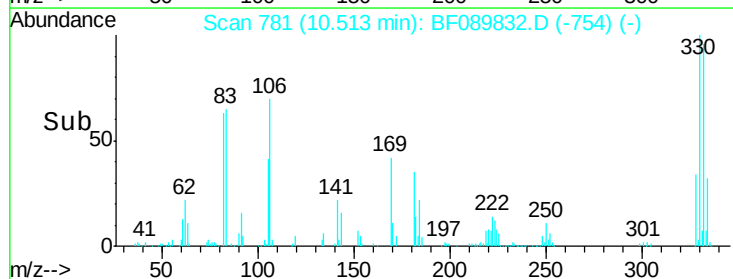
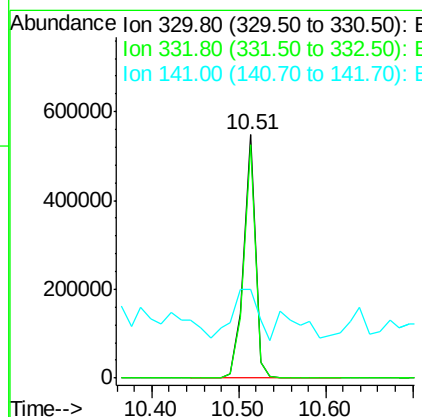
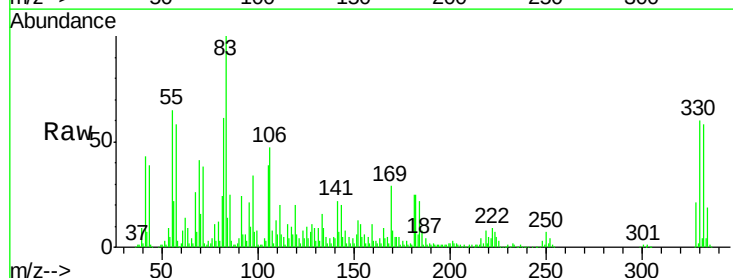
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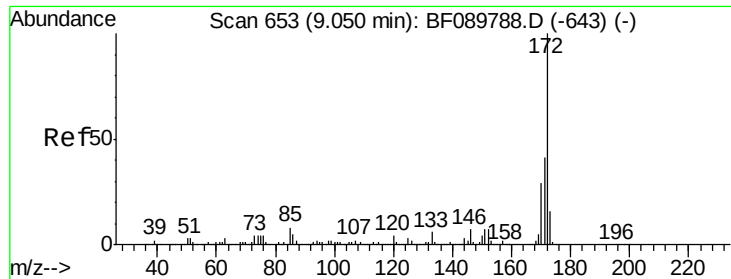
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#41
 2,4,6-Tribromophenol
 Concen: 104.21 ng
 RT: 10.51 min Scan# 781
 Delta R.T. 0.01 min
 Lab File: BF089832.D
 Acq: 23 Aug 2016 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	513345		
332	95.9	76.7	115.1	
141	45.4	30.2	45.2#	





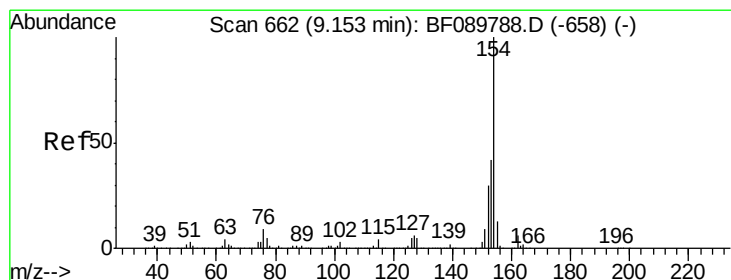
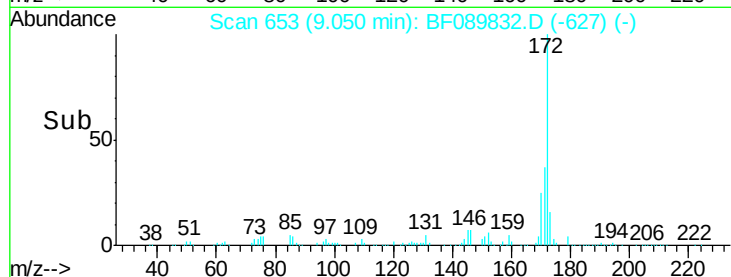
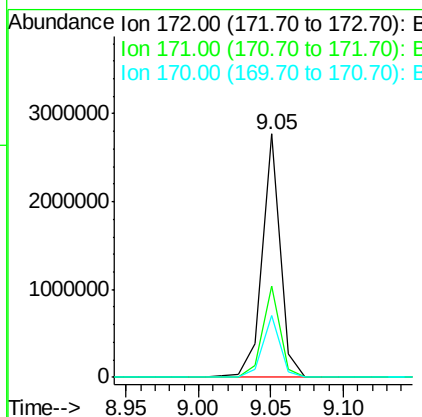
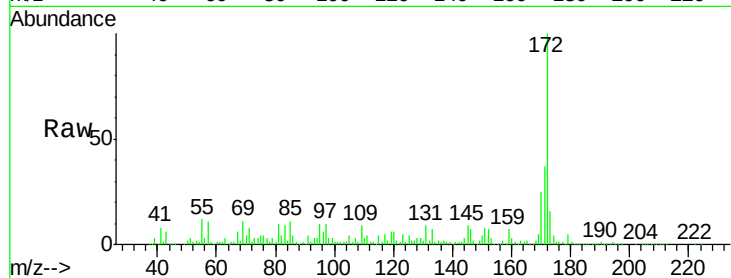
#44
2-Fluorobiphenyl
Concen: 80.94 ng
RT: 9.05 min Scan# 653
Delta R.T. 0.00 min
Lab File: BF089832.D
Acq: 23 Aug 2016 14:05

Instrument :
BNA_F
ClientSampleId :
D-7(3-3.5)

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.5	45.7
170	25.5	20.6	31.0

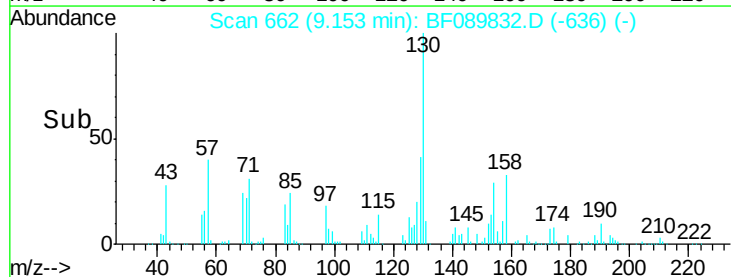
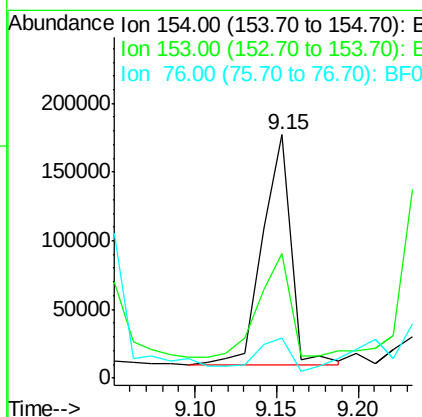
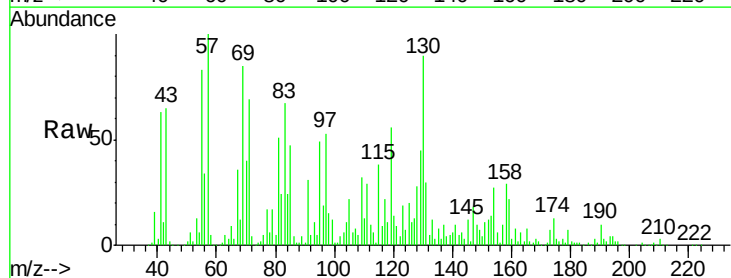
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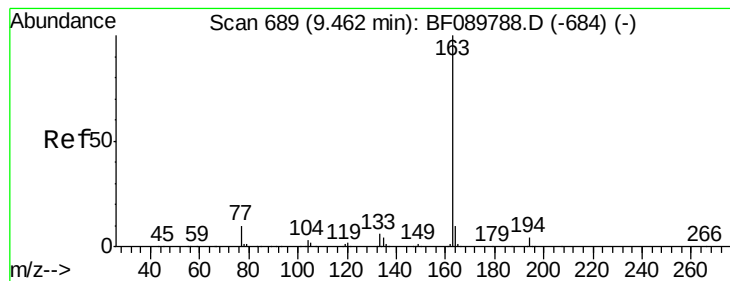
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#45
1,1'-Biphenyl
Concen: 5.10 ng
RT: 9.15 min Scan# 662
Delta R.T. 0.00 min
Lab File: BF089832.D
Acq: 23 Aug 2016 14:05

Tgt Ion	Ratio	Lower	Upper
154	100		
153	51.0	21.5	61.5
76	16.5	0.0	36.7





#49

Dimethylphthalate

Concen: 22.63 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF089832.D

Acq: 23 Aug 2016 14:05

Instrument :

BNA_F

ClientSampleId :

D-7(3-3.5)

Tgt Ion:163 Resp: 826013
Ion Ratio Lower Upper

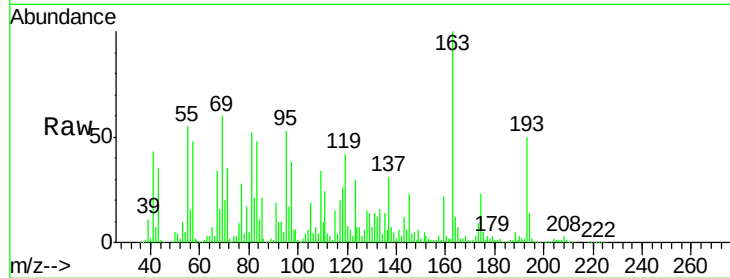
163 100

194 14.2 2.6 3.8#

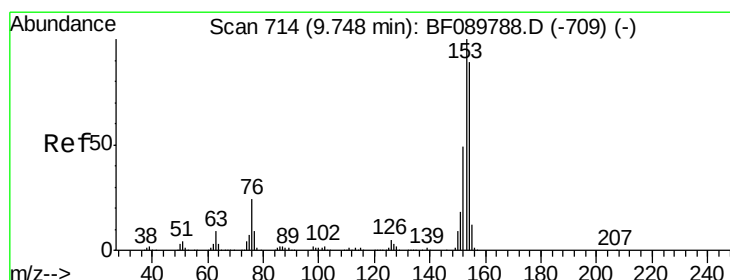
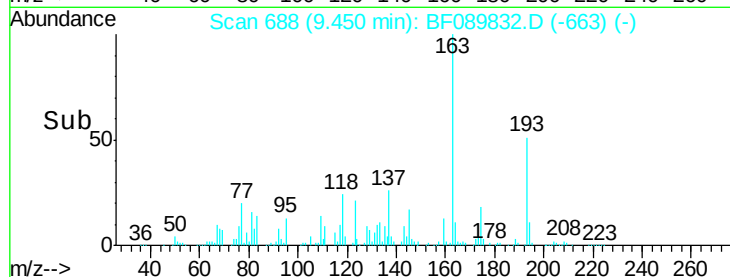
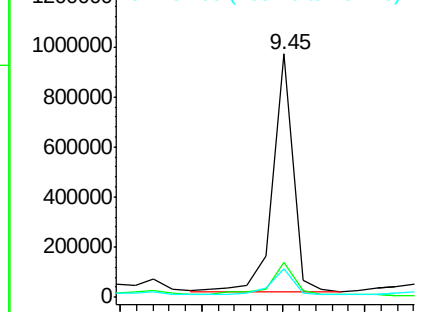
164 11.7 8.6 12.8

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



#51

Acenaphthene

Concen: 13.44 ng

RT: 9.76 min Scan# 715

Delta R.T. 0.01 min

Lab File: BF089832.D

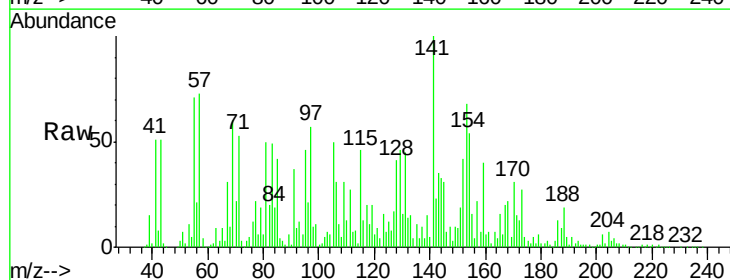
Acq: 23 Aug 2016 14:05

Tgt Ion:154 Resp: 423812
Ion Ratio Lower Upper

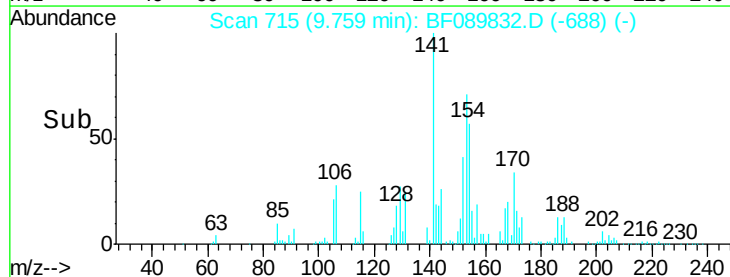
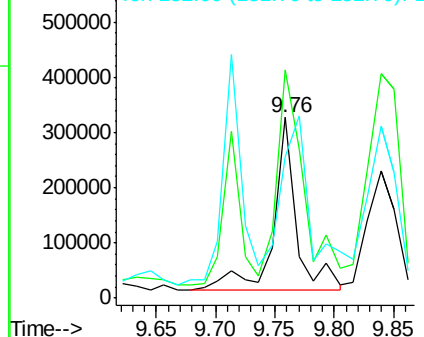
154 100

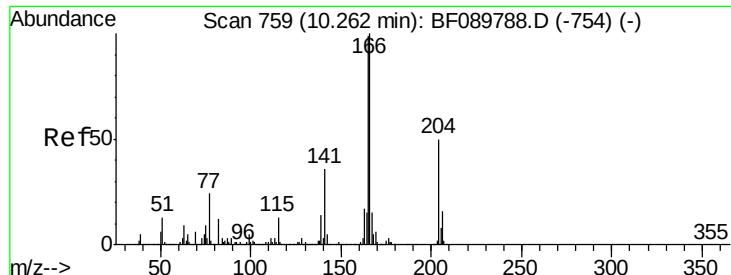
153 126.8 90.5 135.7

152 78.0 44.6 67.0#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





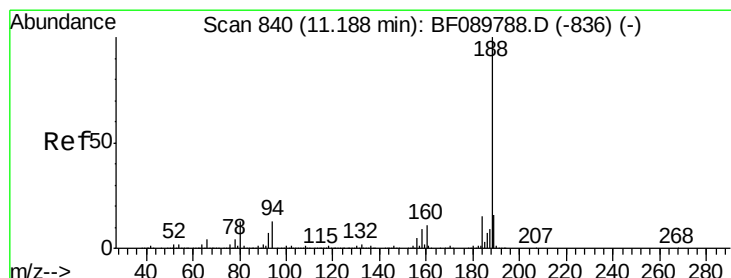
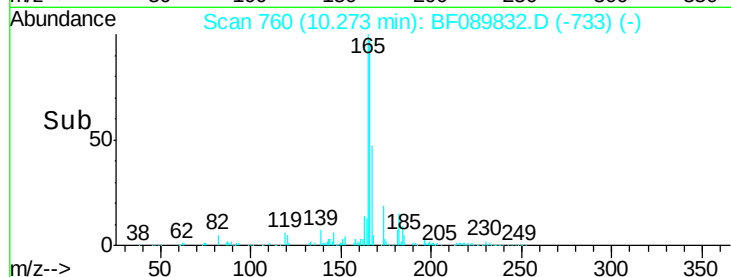
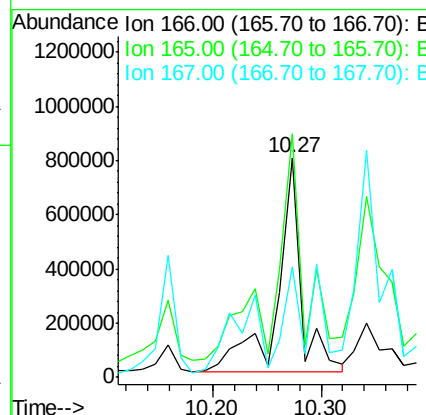
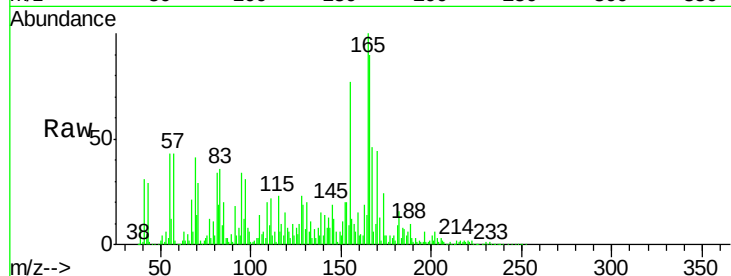
#57
Fluorene
 Concen: 38.33 ng
 RT: 10.27 min Scan# 760
 Delta R.T. 0.01 min
 Lab File: BF089832.D
 Acq: 23 Aug 2016 14:05

Instrument :
 BNA_F
 ClientSampleId :
 D-7(3-3.5)

Tgt Ion	Ratio	Lower	Upper
166	100		
165	110.9	80.2	120.4
167	50.6	11.3	16.9

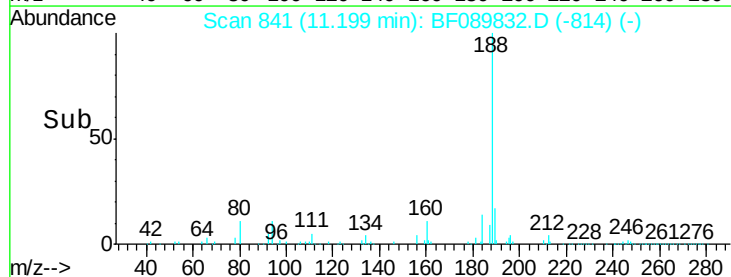
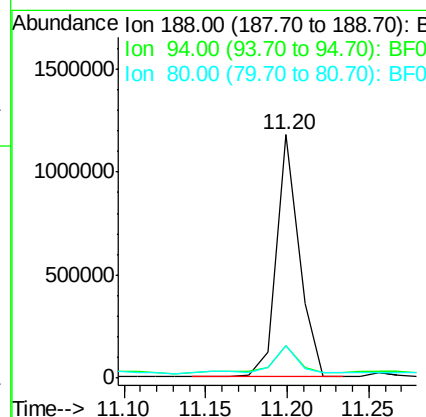
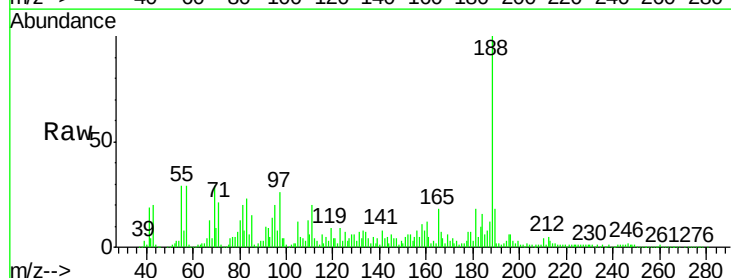
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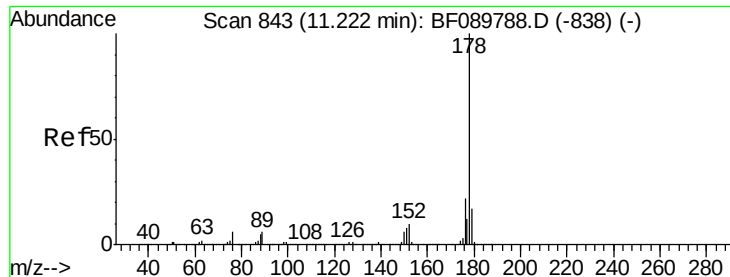
umangi
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 841
 Delta R.T. 0.01 min
 Lab File: BF089832.D
 Acq: 23 Aug 2016 14:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.5	10.2	15.2
80	13.2	10.9	16.3





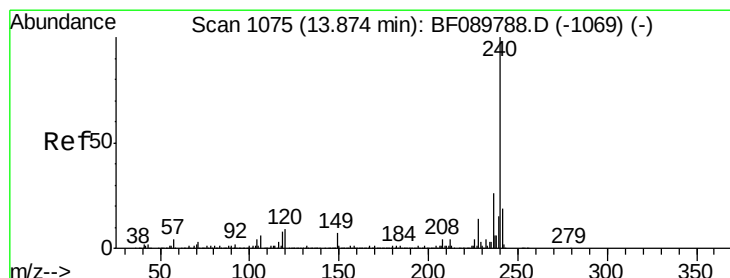
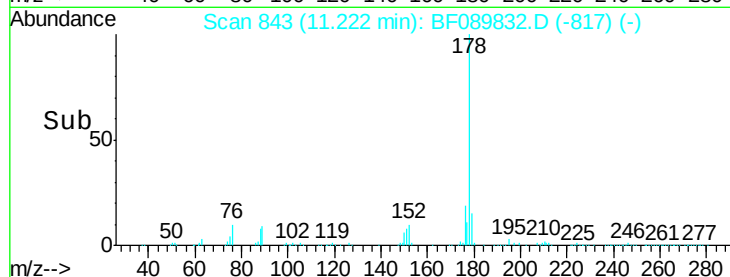
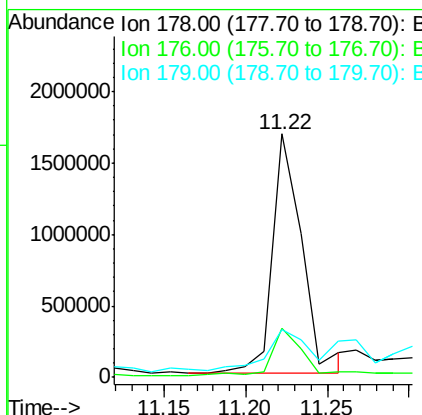
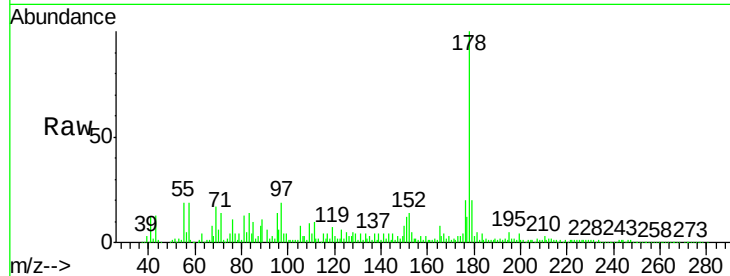
#70
Phenanthrene
Concen: 36.00 ng
RT: 11.22 min Scan# 843
Delta R.T. 0.00 min
Lab File: BF089832.D
Acq: 23 Aug 2016 14:05

Instrument :
BNA_F
ClientSampleId :
D-7(3-3.5)

Tgt Ion:178 Resp: 2089272
Ion Ratio Lower Upper
178 100
176 20.2 16.4 24.6
179 19.5 12.5 18.7#

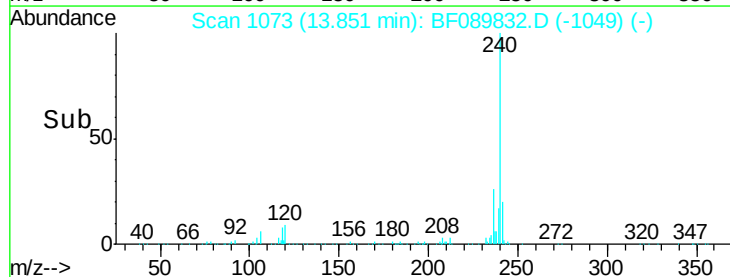
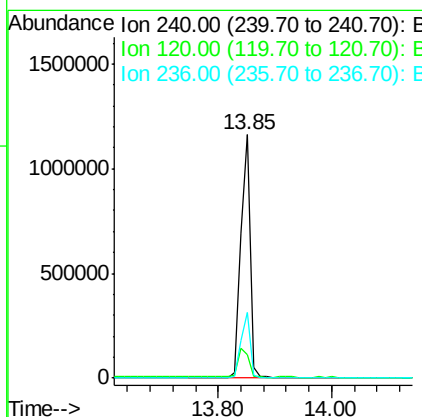
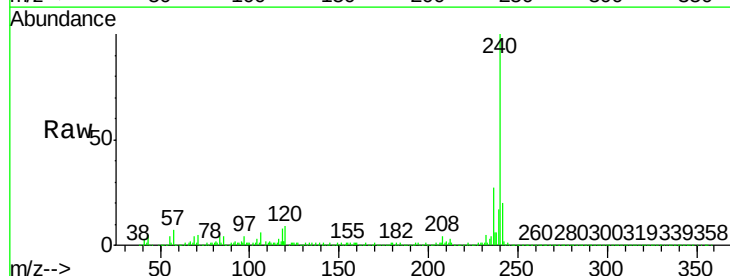
Manual Integrations
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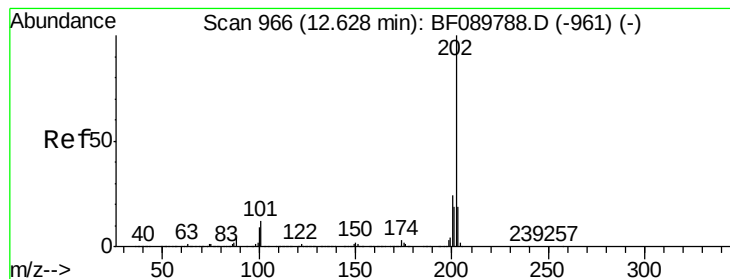
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.85 min Scan# 1073
Delta R.T. -0.02 min
Lab File: BF089832.D
Acq: 23 Aug 2016 14:05

Tgt Ion:240 Resp: 1349998
Ion Ratio Lower Upper
240 100
120 9.5 8.3 12.5
236 26.7 21.3 31.9





#77

Pyrene

Concen: 5.68 ng

RT: 12.63 min Scan# 966

Delta R.T. 0.00 min

Lab File: BF089832.D

Acq: 23 Aug 2016 14:05

Instrument :

BNA_F

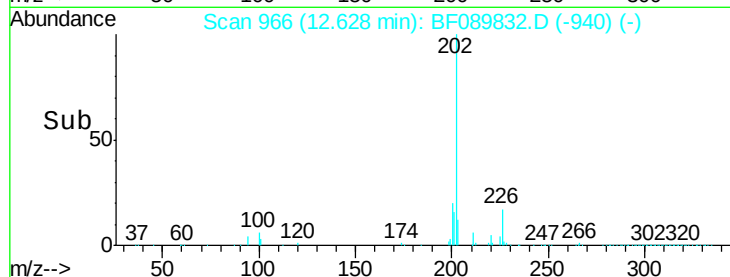
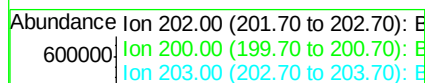
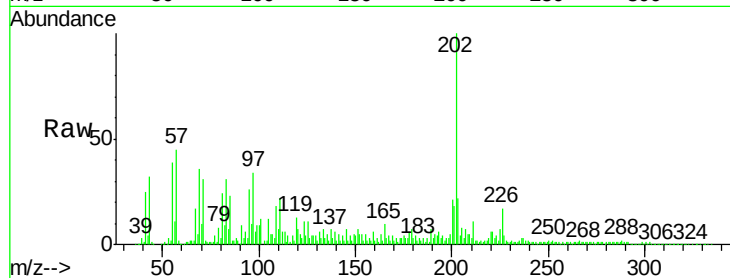
ClientSampleId :

D-7(3-3.5)

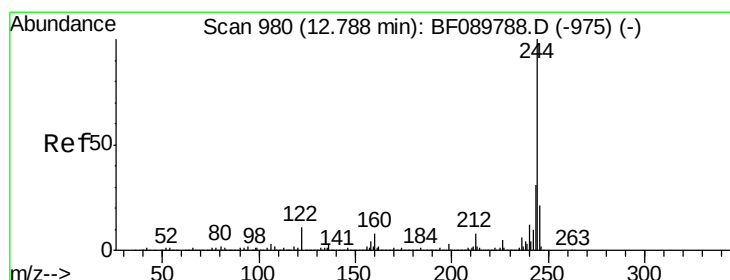
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.8	26.6
203	21.8	14.2	21.4

Manual Integrations
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Time-->



#78

Terphenyl-d14

Concen: 44.94 ng

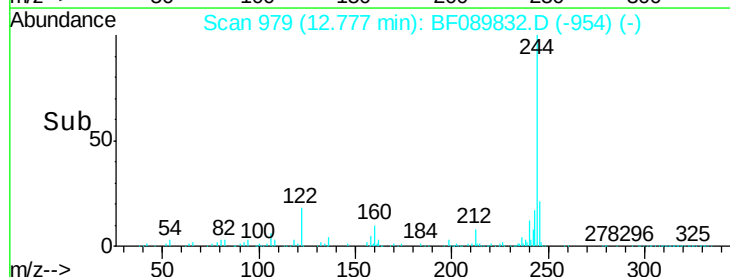
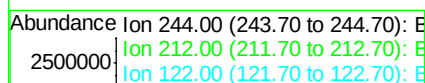
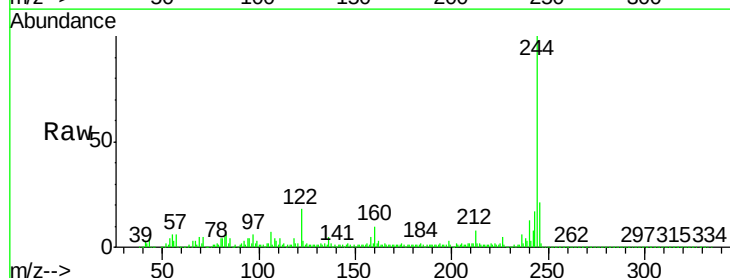
RT: 12.78 min Scan# 979

Delta R.T. -0.01 min

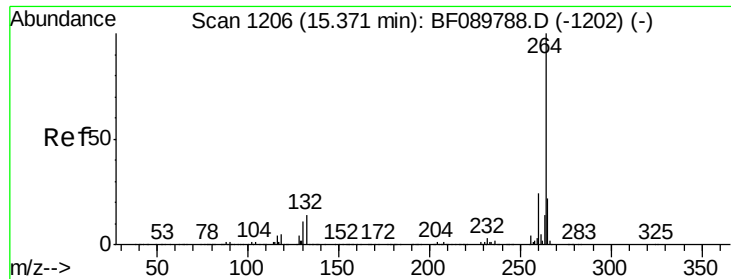
Lab File: BF089832.D

Acq: 23 Aug 2016 14:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.3	9.5
122	18.3	12.0	18.0



Time-->



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1202
Delta R.T. -0.05 min
Lab File: BF089832.D
Acq: 23 Aug 2016 14:05

Instrument :
BNA_F
ClientSampleId :
D-7(3-3.5)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.2	30.2
265	22.2	17.4	26.2

Manual Integrations
APPROVED

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