

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101117\
 Data File : BF099379.D
 Acq On : 12 Oct 2017 8:11
 Operator : SJ/JU
 Sample : I5530-06 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LB-32(14.5-15)

Manual Integrations
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Quant Time: Oct 12 13:11:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	116077	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	473089	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	200979	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	310493	20.00	ng	0.00
75) Chrysene-d12	14.01	240	188234	20.00	ng	0.00
86) Perylene-d12	15.49	264	211849	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	156456	21.46	ng	0.00
7) Phenol-d6	6.48	99	189423	21.06	ng	0.00
23) Nitrobenzene-d5	7.41	82	106670	14.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	30588	18.60	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	226979	18.85	ng	0.00
78) Terphenyl-d14	12.95	244	131178	15.85	ng	0.00
Target Compounds						
70) Phenanthrene	11.40	178	64863	3.903	ng	97
74) Fluoranthene	12.59	202	91092	5.413	ng	97
77) Pyrene	12.82	202	88110	6.139	ng	98
80) Benzo(a)anthracene	14.00	228	39452	3.461	ng	95
82) Chrysene	14.04	228	39358	3.627	ng	96
85) Indeno(1,2,3-cd)pyrene	16.96	276	24315	2.801	ng	95
87) Benzo(b)fluoranthene	15.05	252	48571m	3.729	ng	
89) Benzo(a)pyrene	15.42	252	40324	3.373	ng	# 92
91) Benzo(g,h,i)perylene	17.41	276	34835	3.683	ng	# 89

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

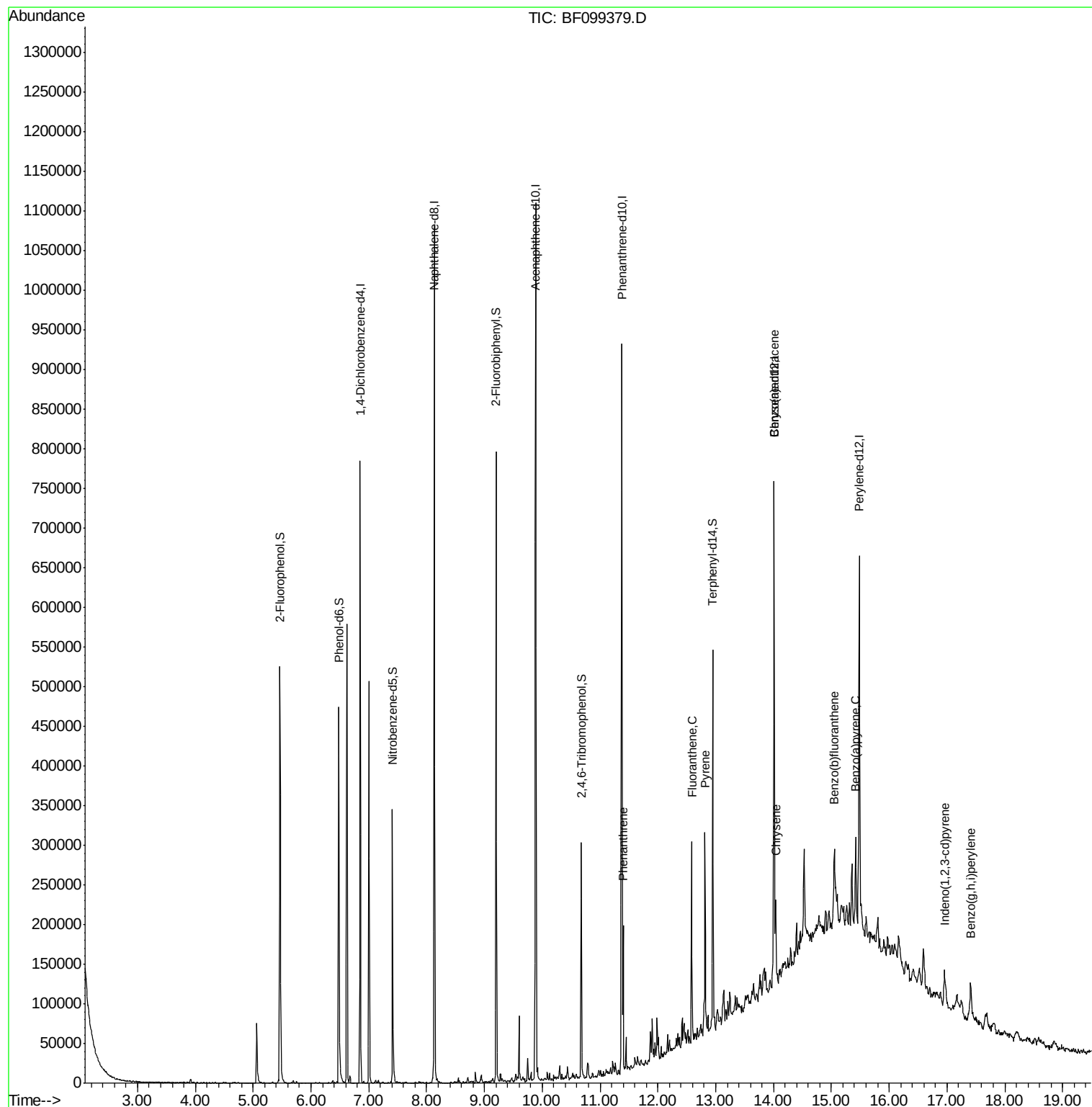
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101117\
Data File : BF099379.D
Acq On : 12 Oct 2017 8:11
Operator : SJ/JU
Sample : I5530-06 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

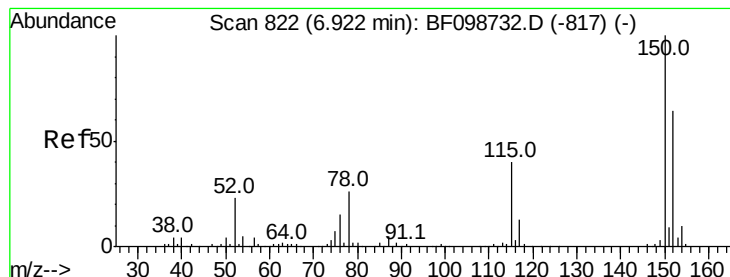
Instrument :
BNA_F
ClientSampleId :
LB-32(14.5-15)

Manual Integrations
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Quant Time: Oct 12 13:11:14 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 11 16:25:21 2017
Response via : Initial Calibration





#1

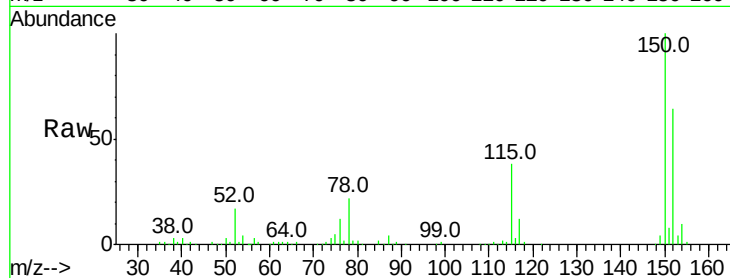
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF099379.D
Acq: 12 Oct 2017 8:11

Instrument :
BNA_F
ClientSampleId :
LB-32(14.5-15)

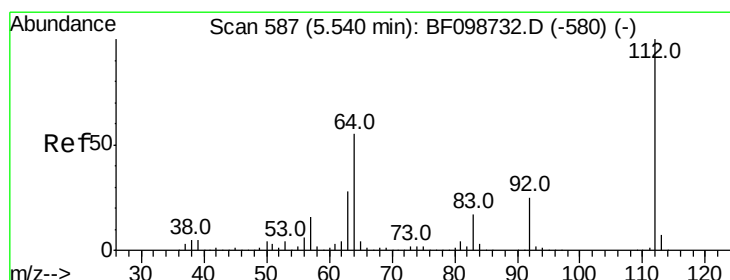
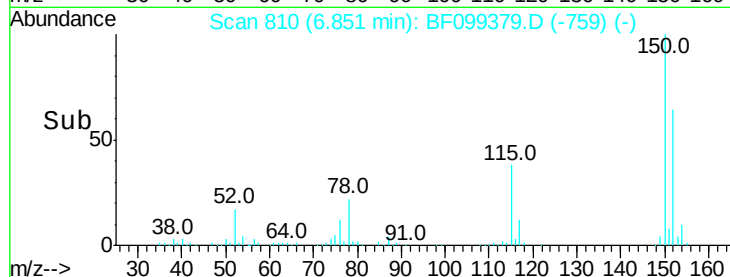
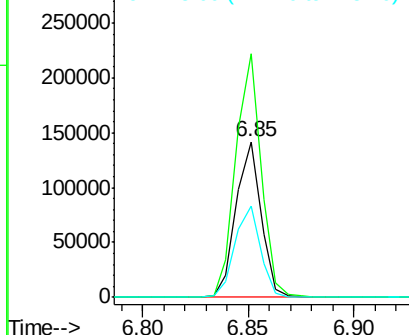
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	58.9	50.1	75.1

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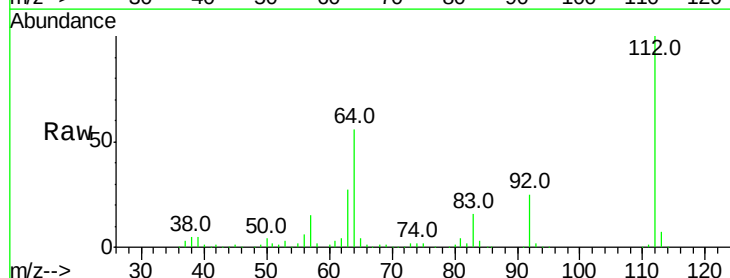
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



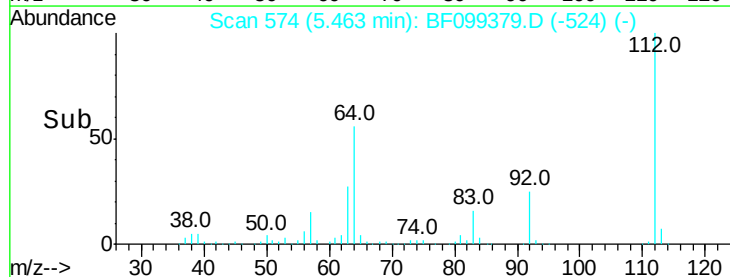
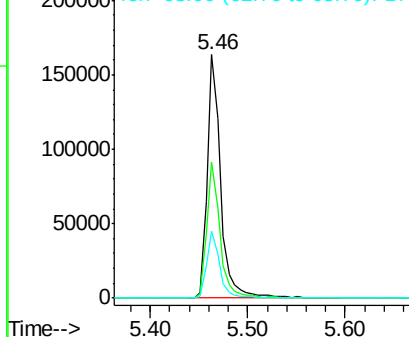
#5

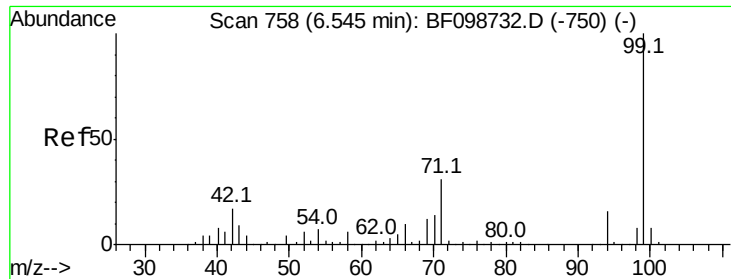
2-Fluorophenol
Concen: 21.457 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF099379.D
Acq: 12 Oct 2017 8:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	47.9	71.9
63	27.3	23.7	35.5



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: 21.058 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099379.D

Acq: 12 Oct 2017 8:11

Instrument :

BNA_F

ClientSampled :

LB-32(14.5-15)

Tot Ion: 99 Resp: 189423

Ion Ratio Lower Upper

99 100

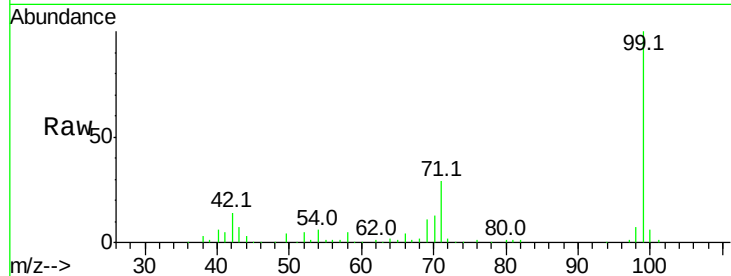
42 14.3 14.5 21.7#

71 29.4 25.4 38.0

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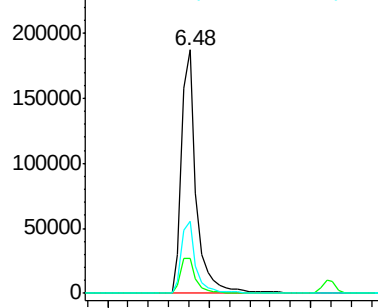
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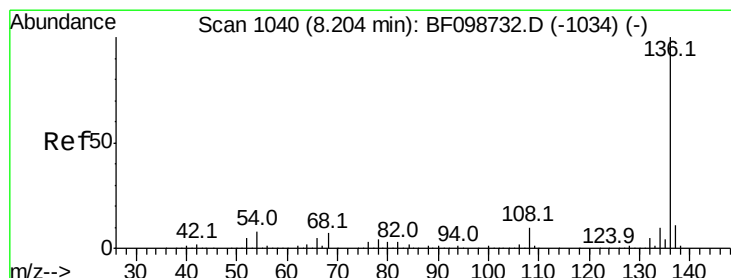
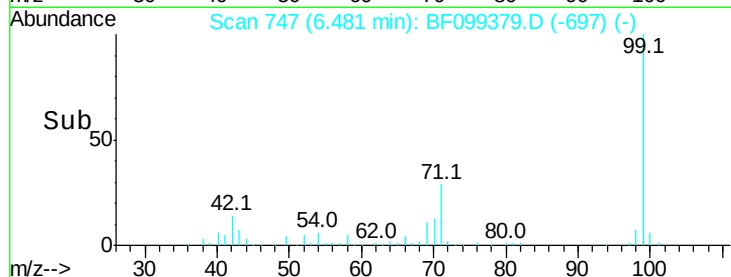
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF099379.D

Acq: 12 Oct 2017 8:11

Tgt Ion: 136 Resp: 473089

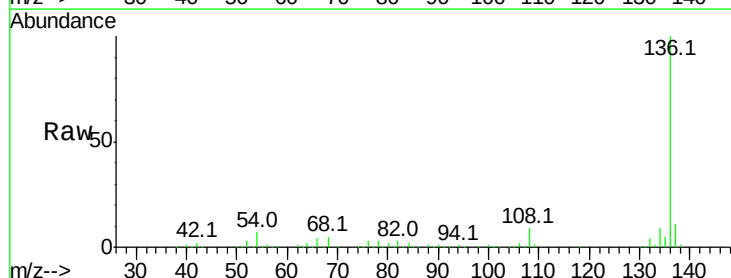
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.7 6.6 9.8

68 5.3 5.0 7.4

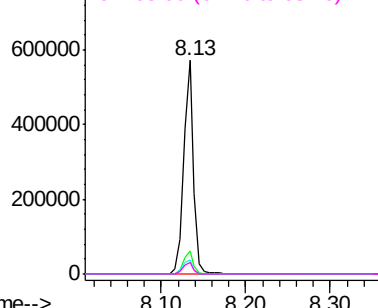


Abundance Ion 136.00 (135.70 to 136.70): E

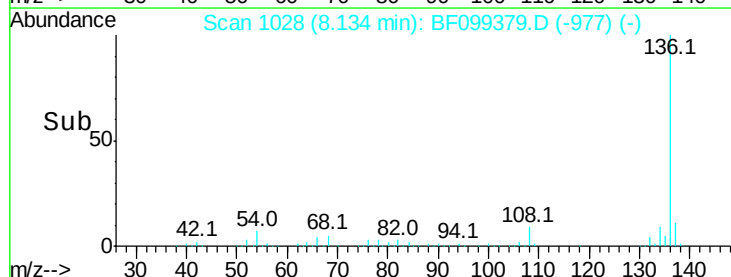
Ion 137.00 (136.70 to 137.70): E

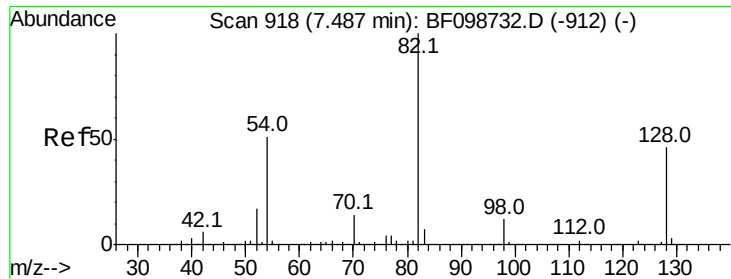
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->





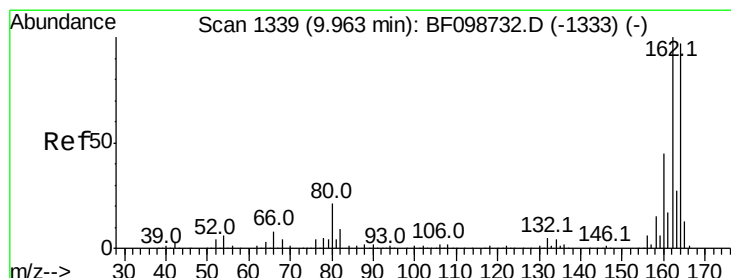
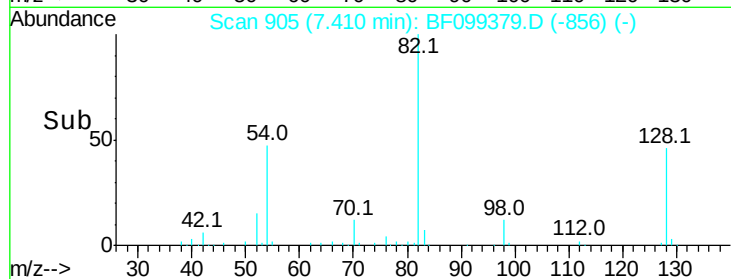
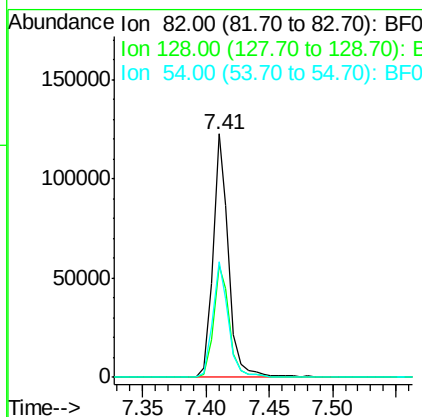
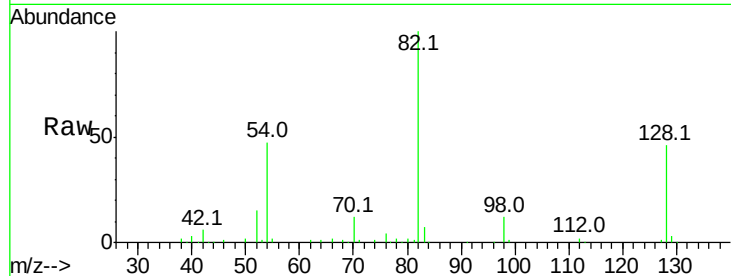
#23
 Nitrobenzene-d5
 Concen: 14.460 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF099379.D
 Acq: 12 Oct 2017 8:11

Instrument :
 BNA_F
 ClientSampleId :
 LB-32(14.5-15)

Tot Ion	82	Resp	106670
Ion Ratio	Lower	Upper	
82	100		
128	46.2	36.1	54.1
54	47.5	41.4	62.2

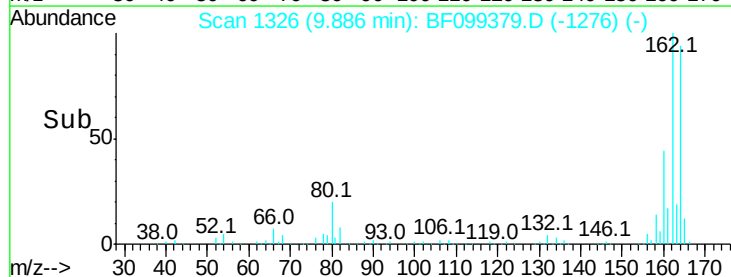
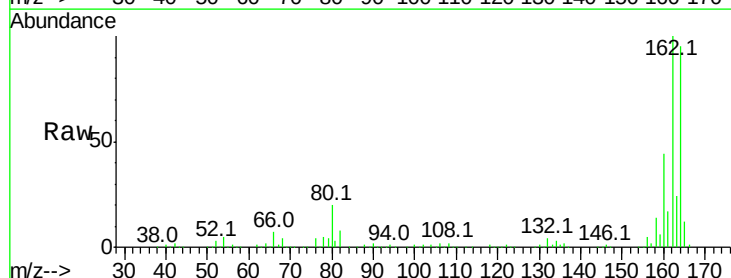
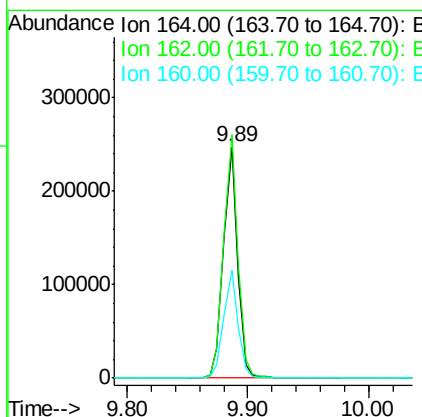
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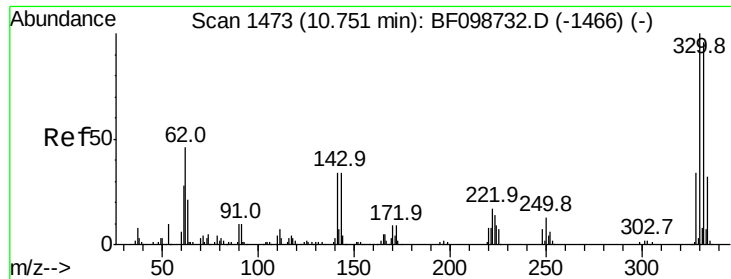
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF099379.D
 Acq: 12 Oct 2017 8:11

Tgt Ion	164	Resp	200979
Ion Ratio	Lower	Upper	
164	100		
162	105.3	86.1	129.1
160	46.6	38.3	57.5





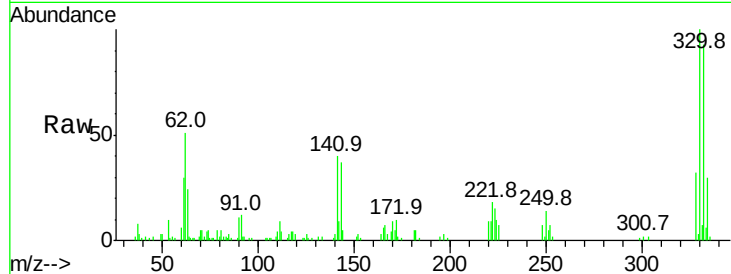
#41
 2,4,6-Tribromophenol
 Concen: 18.600 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF099379.D
 Acq: 12 Oct 2017 8:11

Instrument :
 BNA_F
 ClientSampled :
 LB-32(14.5-15)

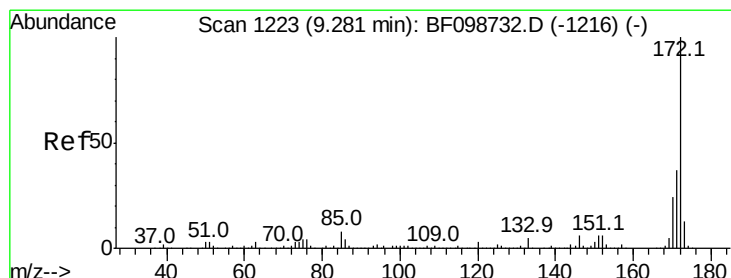
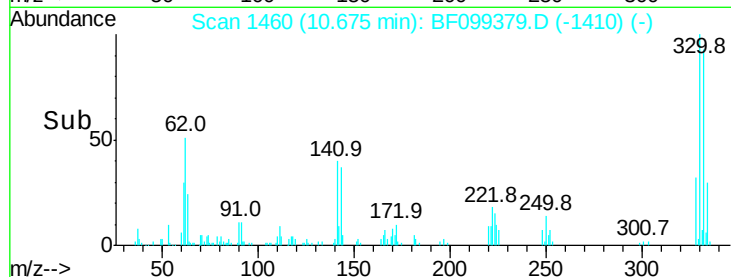
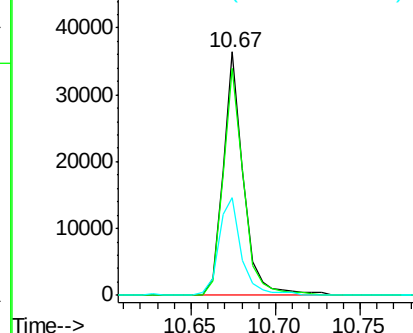
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.7	77.0	115.6	
141	44.7	29.9	44.9	

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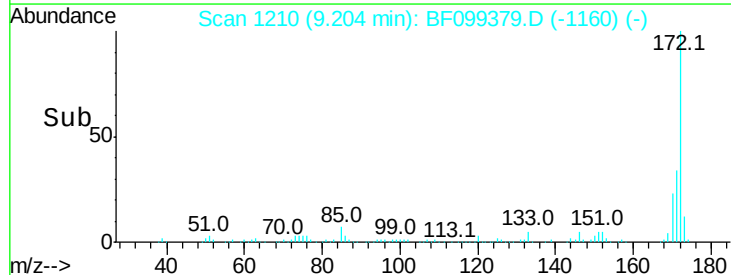
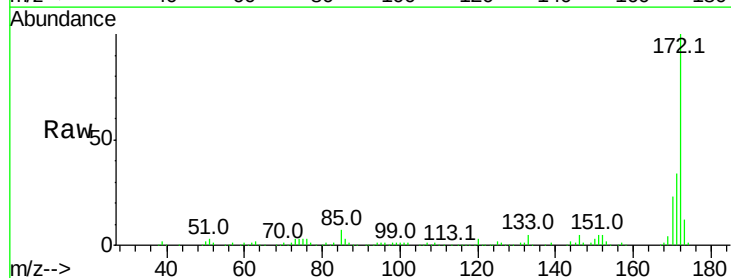
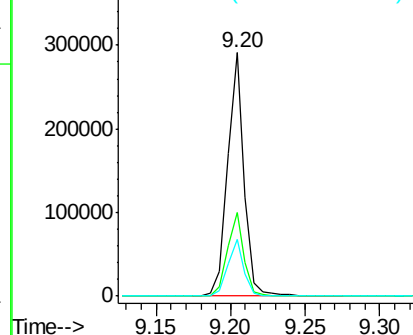
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

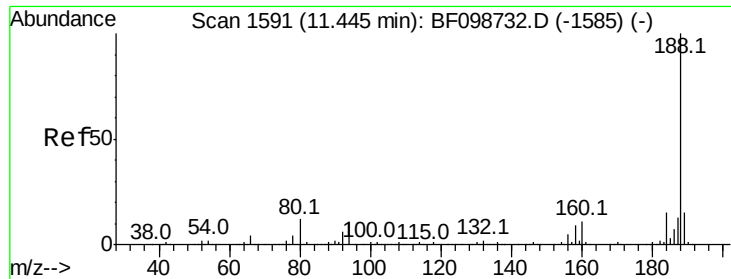


#44
 2-Fluorobiphenyl
 Concen: 18.854 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF099379.D
 Acq: 12 Oct 2017 8:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.4	29.7	44.5	
170	23.1	19.6	29.4	

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





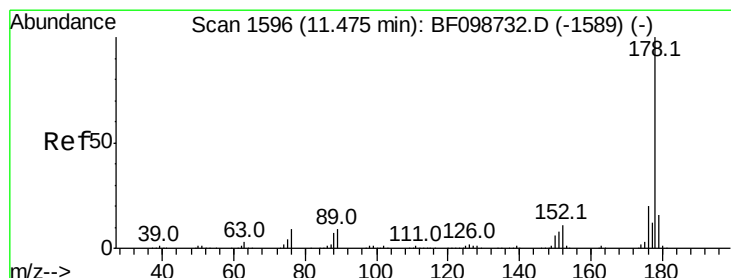
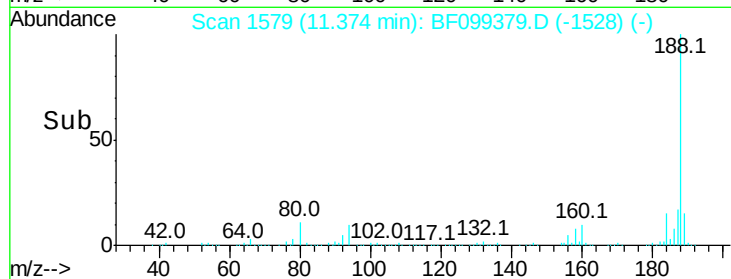
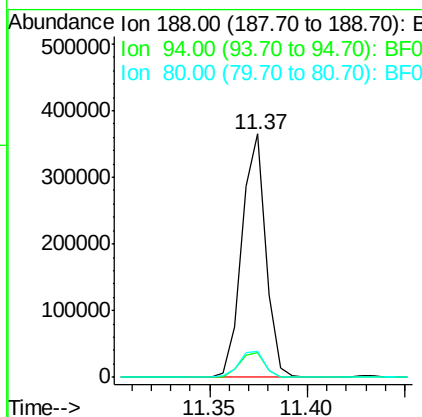
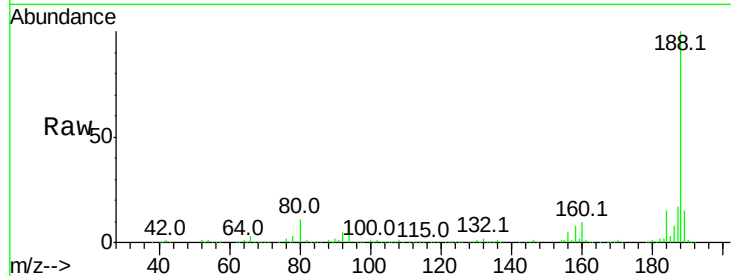
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF099379.D
Acq: 12 Oct 2017 8:11

Instrument :
BNA_F
ClientSampleId :
LB-32(14.5-15)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.6	9.2	13.8

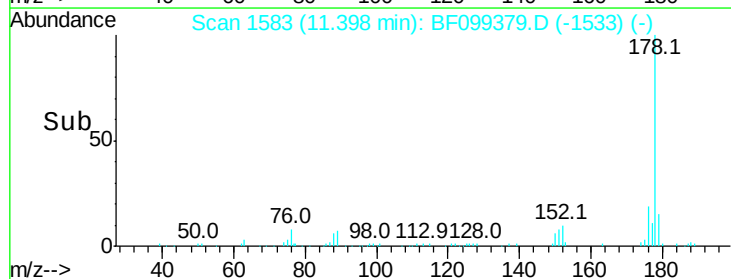
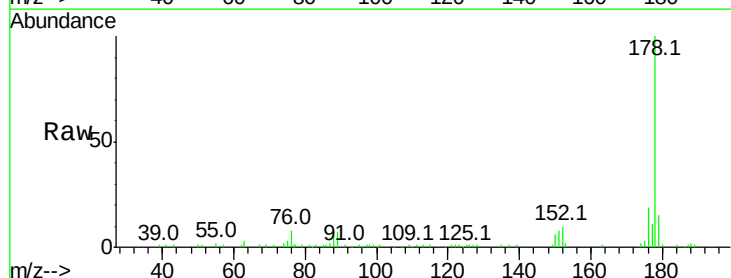
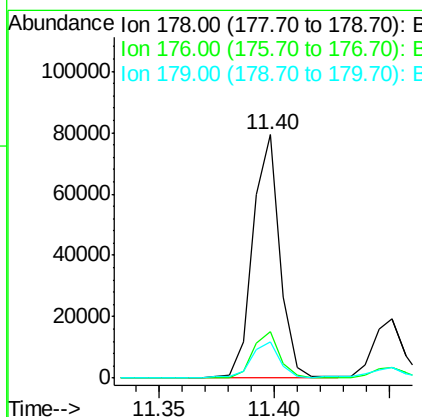
Manual Integrations
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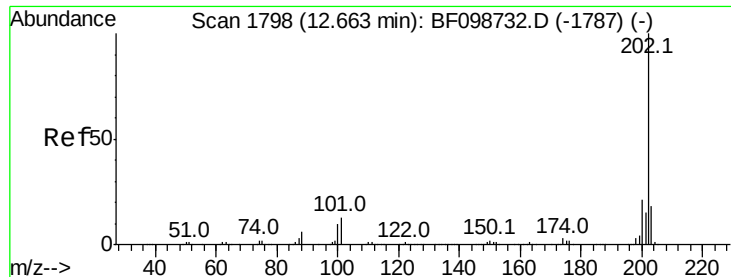
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#70
Phenanthrene
Concen: 3.903 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF099379.D
Acq: 12 Oct 2017 8:11

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	15.8	23.8
179	14.6	13.0	19.6





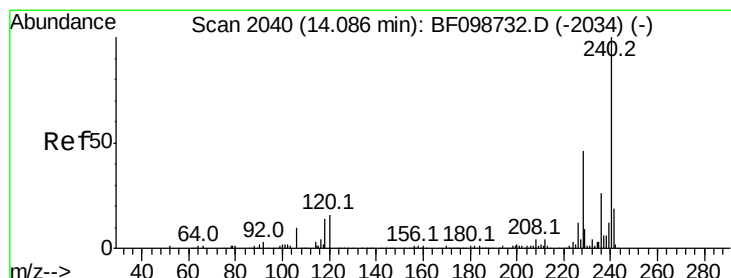
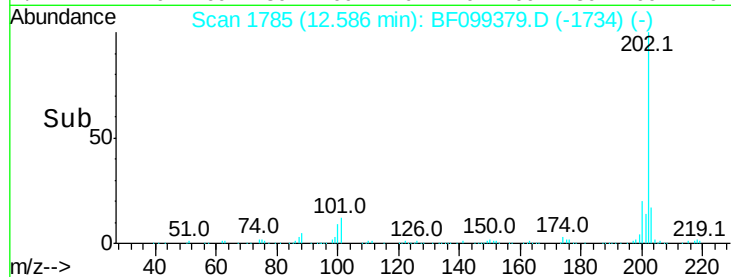
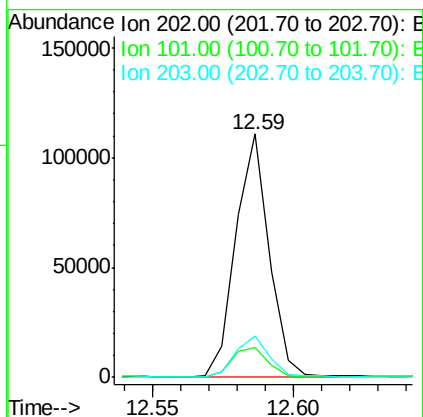
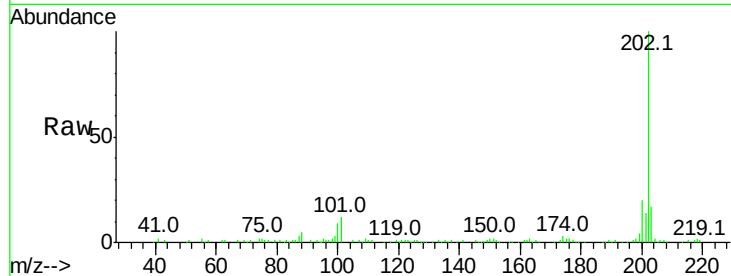
#74
Fluoranthene
Concen: 5.413 ng
RT: 12.59 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BF099379.D
Acq: 12 Oct 2017 8:11

Instrument :
BNA_F
ClientSampled :
LB-32(14.5-15)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.0	0.0	34.1
203	17.2	0.0	38.1

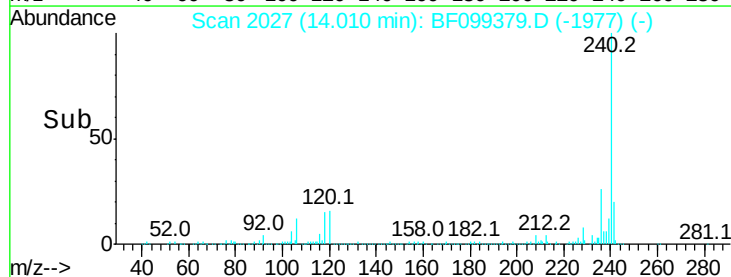
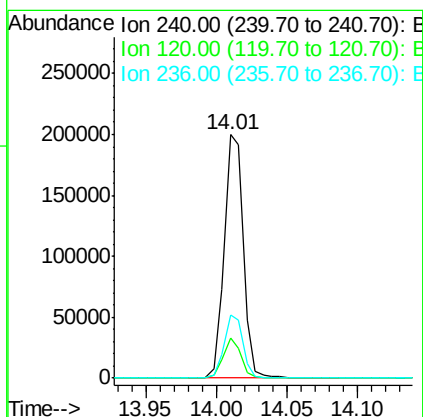
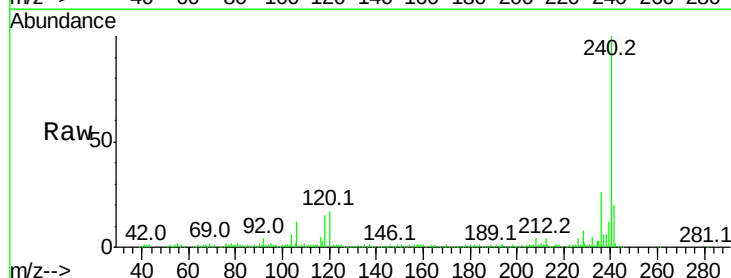
Manual Integrations
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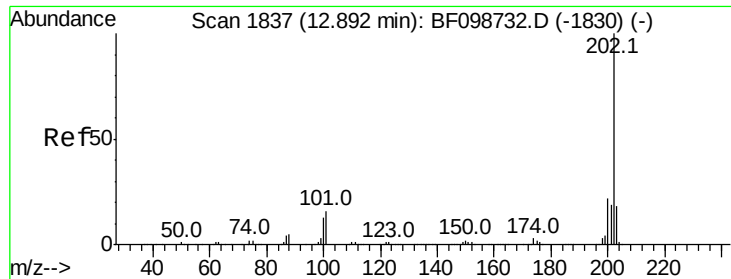
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF099379.D
Acq: 12 Oct 2017 8:11

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.7	9.5	14.3#
236	25.8	20.7	31.1





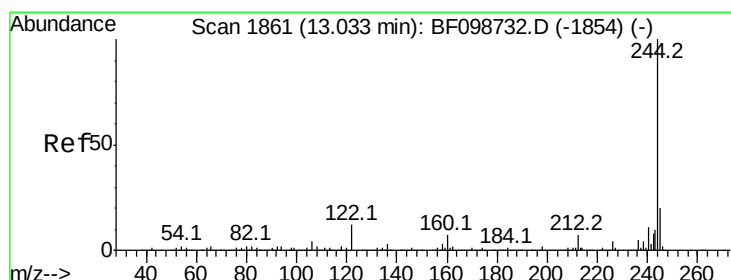
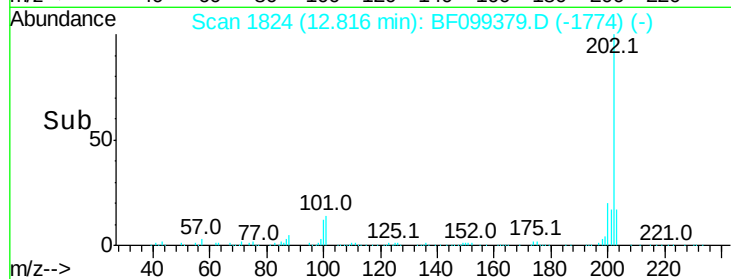
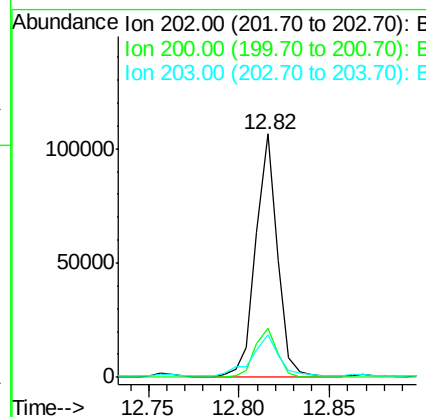
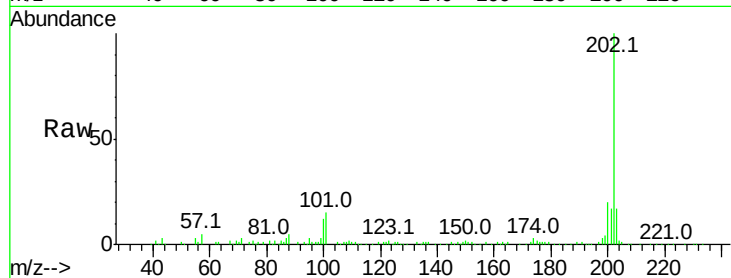
#77
Pvrene
Concen: 6.139 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF099379.D
Acq: 12 Oct 2017 8:11

Instrument :
BNA_F
ClientSampled :
LB-32(14.5-15)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.4	26.2
203	17.4	14.3	21.5

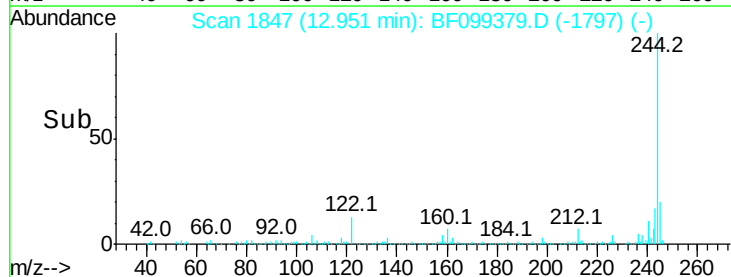
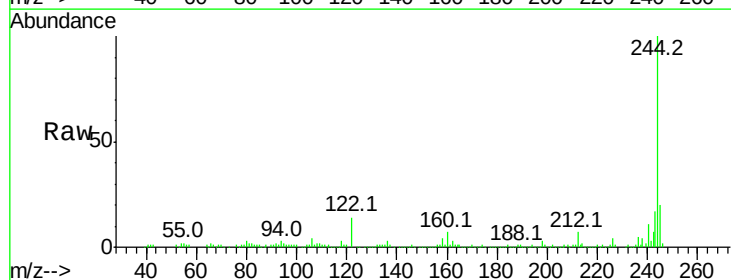
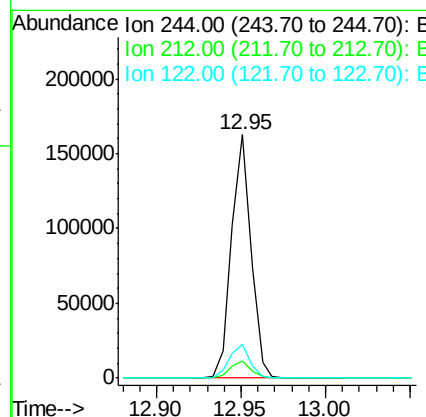
Manual Integrations
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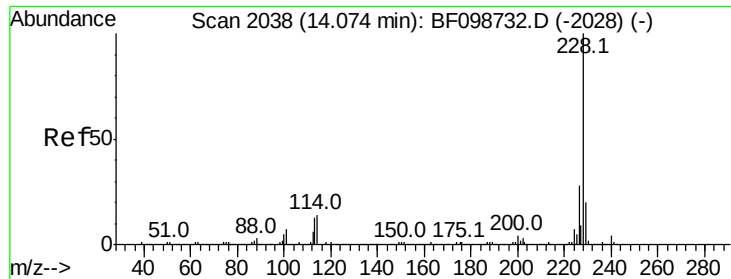
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#78
Terphenyl-d14
Concen: 15.849 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF099379.D
Acq: 12 Oct 2017 8:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	13.7	11.0	16.4





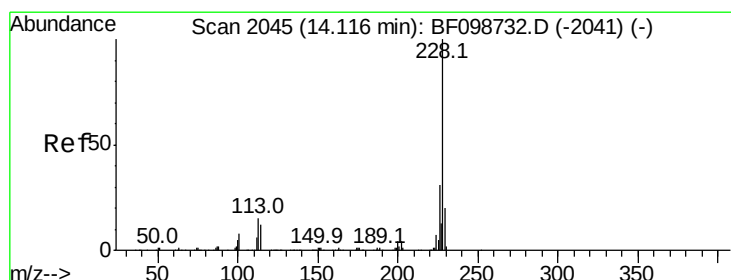
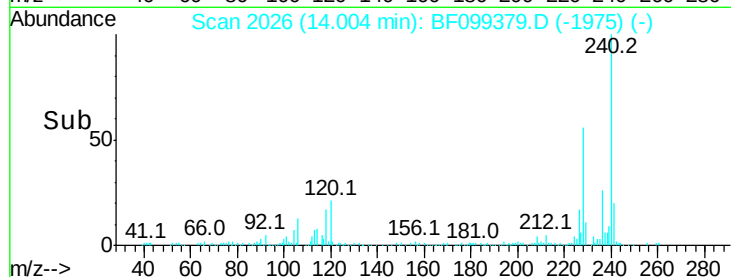
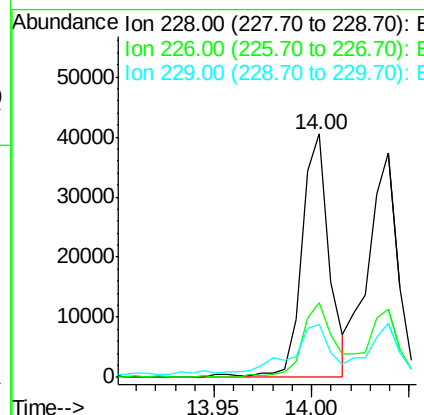
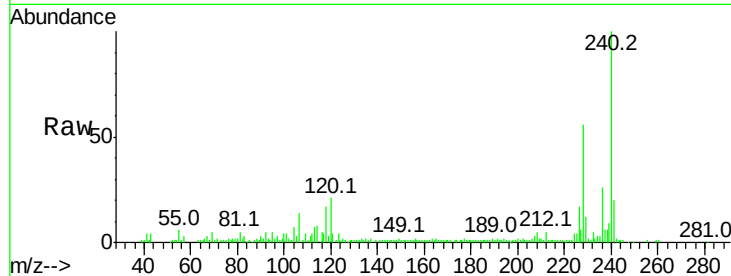
#80
Benzo(a)anthracene
Concen: 3.461 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BF099379.D
Acq: 12 Oct 2017 8:11

Instrument :
BNA_F
ClientSampled :
LB-32(14.5-15)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.6	33.8
229	21.7	15.8	23.6

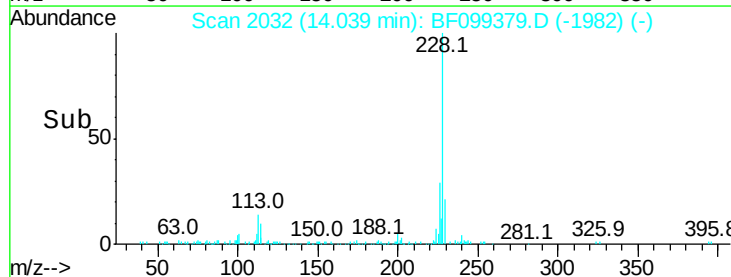
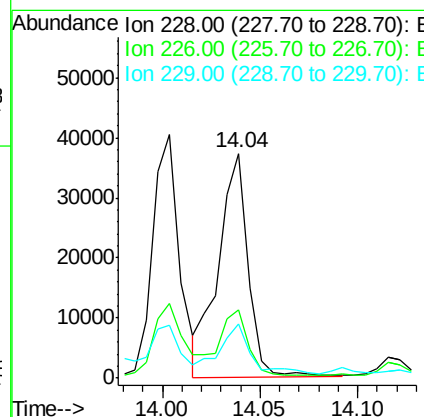
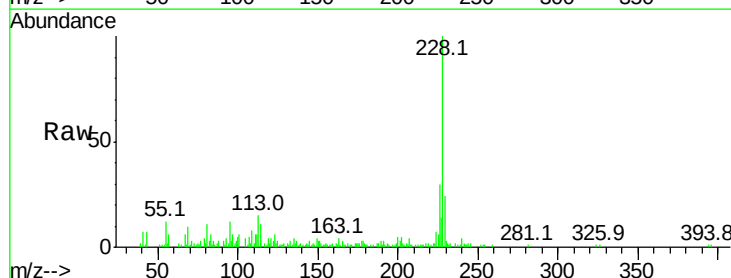
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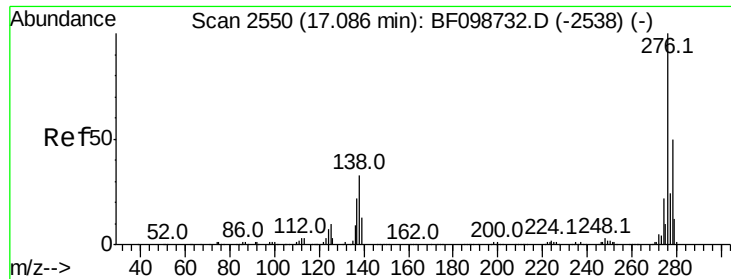
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#82
Chrysene
Concen: 3.627 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF099379.D
Acq: 12 Oct 2017 8:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	23.9	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.801 ng

RT: 16.96 min Scan# 2529

Delta R.T. 0.00 min

Lab File: BF099379.D

Acq: 12 Oct 2017 8:11

Instrument :

BNA_F

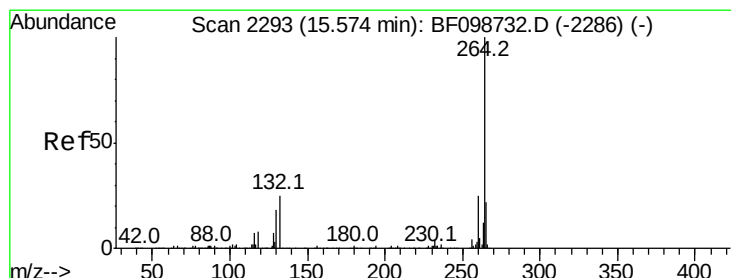
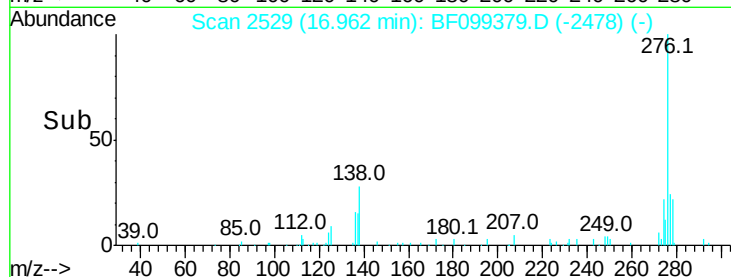
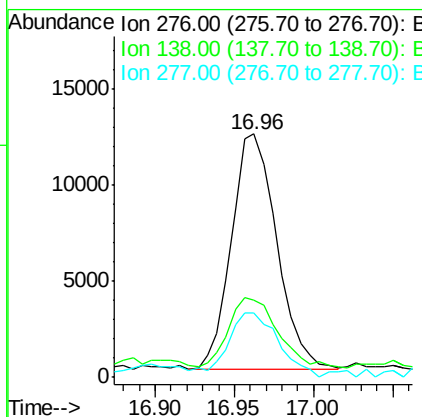
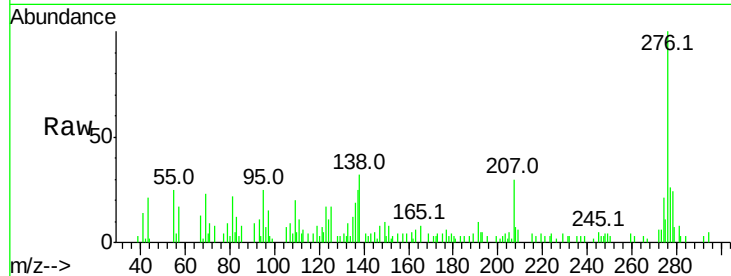
ClientSampleId :

LB-32(14.5-15)

Tot Ion:	276	Resp:	24315
Ion Ratio	Lower	Upper	
276	100		
138	31.8	25.0	37.6
277	29.8	20.1	30.1

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#86

Perylene-d12

Concen: 20.000 ng

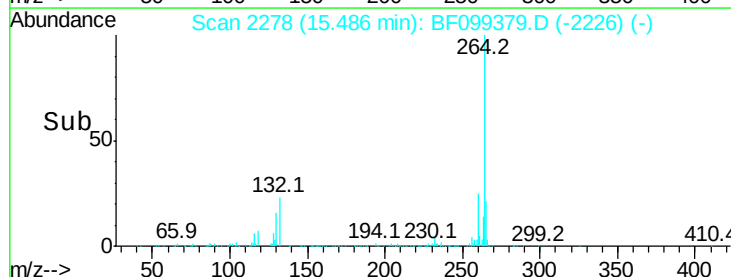
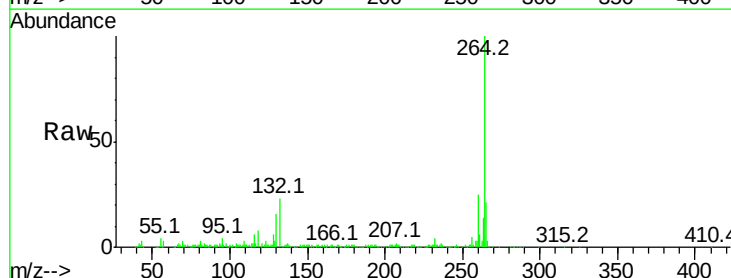
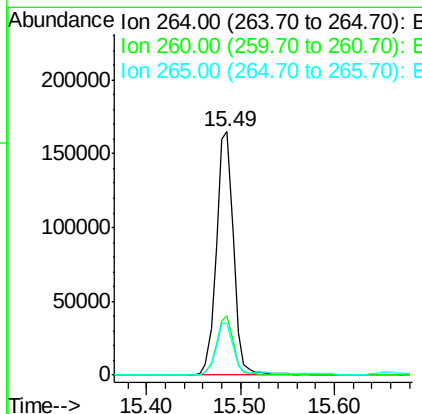
RT: 15.49 min Scan# 2278

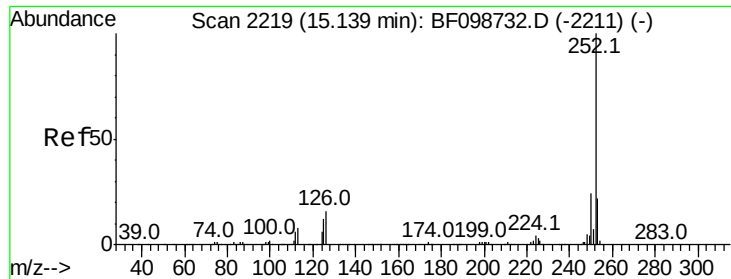
Delta R.T. 0.01 min

Lab File: BF099379.D

Acq: 12 Oct 2017 8:11

Tgt Ion:	264	Resp:	211849
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.2	28.8
265	21.4	17.5	26.3





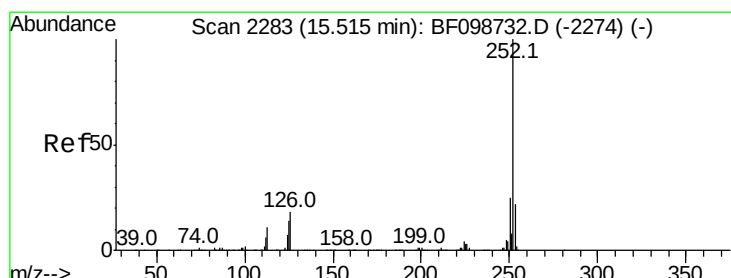
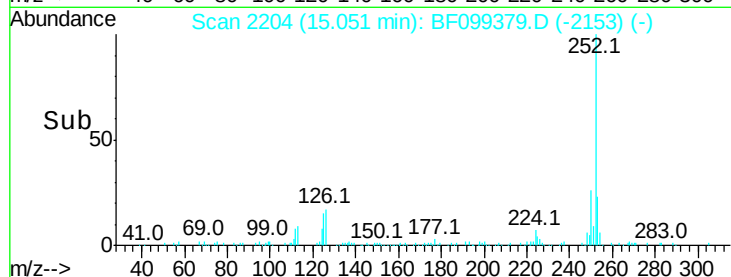
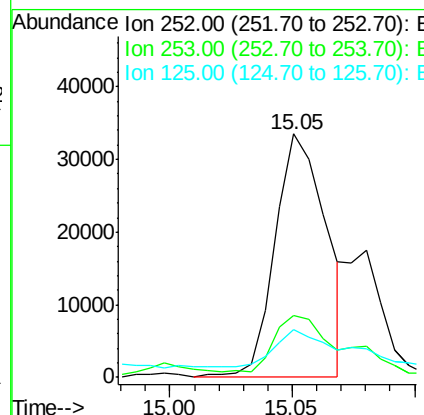
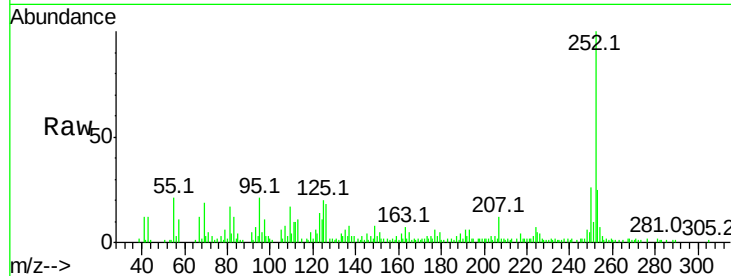
#87
Benzo(b)fluoranthene
Concen: 3.729 ng/mL
RT: 15.05 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BF099379.D
Acq: 12 Oct 2017 8:11

Instrument :
BNA_F
ClientSampleId :
LB-32(14.5-15)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.0	25.6
125	19.6	9.0	13.6

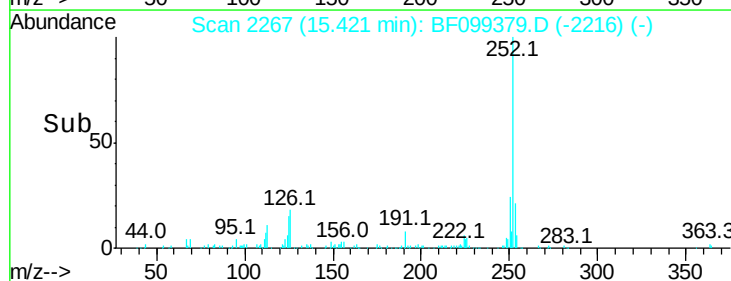
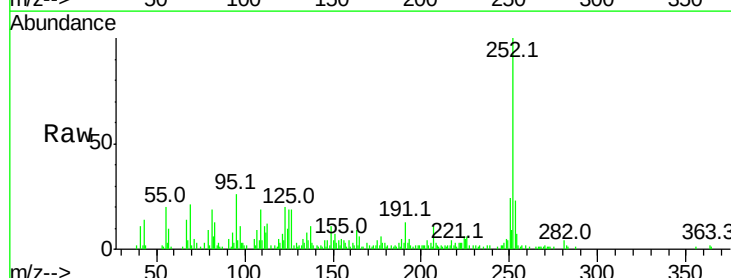
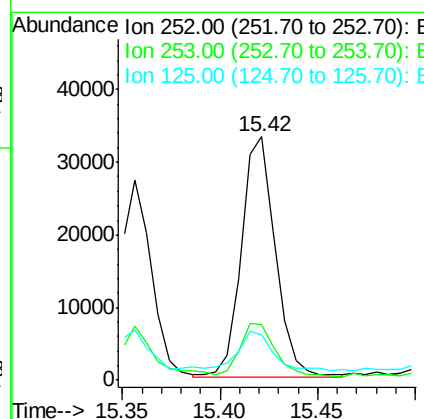
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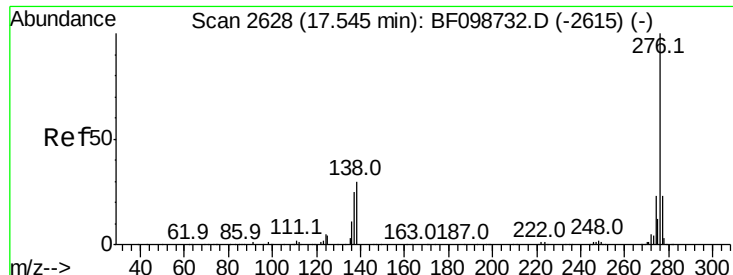
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#89
Benzo(a)pyrene
Concen: 3.373 ng/mL
RT: 15.42 min Scan# 2267
Delta R.T. 0.00 min
Lab File: BF099379.D
Acq: 12 Oct 2017 8:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	18.5	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.683 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. 0.00 min
 Lab File: BF099379.D
 Acq: 12 Oct 2017 8:11

Instrument :
 BNA_F
 ClientSampleId :
 LB-32(14.5-15)

Tot Ion:	276	Resp:	34835
Ion Ratio	Lower	Upper	
276	100		
277	24.9	17.9	26.9
138	35.5	21.8	32.8

Manual Integrations
 APPROVED

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