

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
 Data File : BF099784.D
 Acq On : 24 Oct 2017 13:25
 Operator : SJ/JU
 Sample : I5819-16DL 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4099-QC-2DL

Manual Integrations
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 10/25/2017 6:25:12 PM

Quant Time: Oct 24 18:15:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 23:39:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	94721	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	388655	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	181500	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	326340	20.00	ng	0.00
75) Chrysene-d12	13.98	240	200679	20.00	ng	0.00
86) Perylene-d12	15.44	264	163695	20.00	ng	0.00

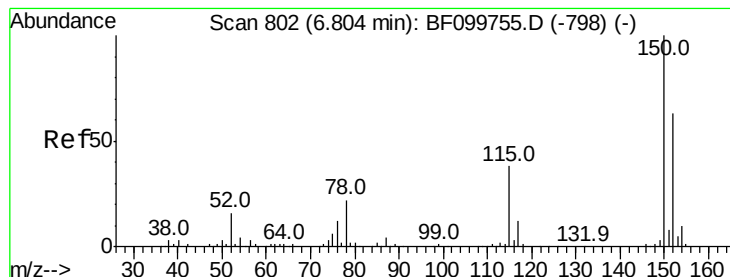
System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	161949	26.84	ng	0.00
7) Phenol-d6	6.45	99	124983	17.47	ng	0.00
23) Nitrobenzene-d5	7.37	82	218808	36.25	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	77266	46.71	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	478373	40.66	ng	0.00
78) Terphenyl-d14	12.91	244	408854	44.52	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.10	128	129350	6.895	ng	99
48) Acenaphthylene	9.70	152	64589	3.517	ng	99
51) Acenaphthene	9.87	154	52181	4.650	ng	97
57) Fluorene	10.39	166	85120	6.490	ng	98
70) Phenanthrene	11.36	178	598869	32.517	ng	98
71) Anthracene	11.41	178	85821	4.591	ng	96
74) Fluoranthene	12.55	202	393869	20.579	ng	96
77) Pyrene	12.78	202	295737	19.381	ng	99
80) Benzo(a)anthracene	13.97	228	67012	5.268	ng	99
82) Chrysene	14.00	228	55901	4.674	ng	96
85) Indeno(1,2,3-cd)pyrene	16.92	276	71612	6.522	ng	97
87) Benzo(b)fluoranthene	15.02	252	47177	4.564	ng	# 97
88) Benzo(k)fluoranthene	15.04	252	54715m	5.614	ng	
89) Benzo(a)pyrene	15.39	252	45359	4.885	ng	# 95
90) Dibenzo(a,h)anthracene	16.92	278	43903	5.321	ng	# 93
91) Benzo(g,h,i)perylene	17.38	276	32540	4.031	ng	95

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



#1

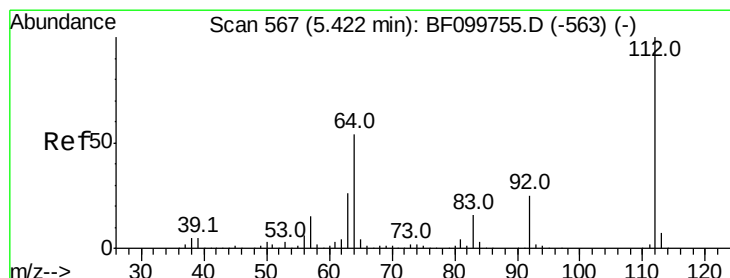
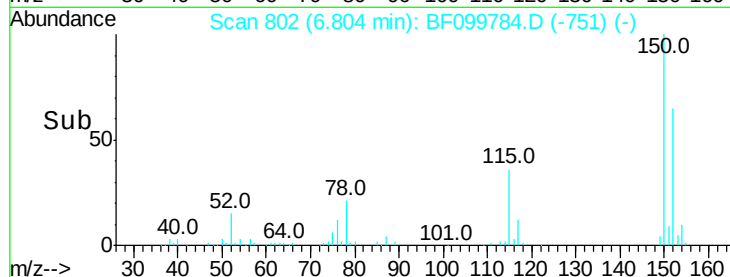
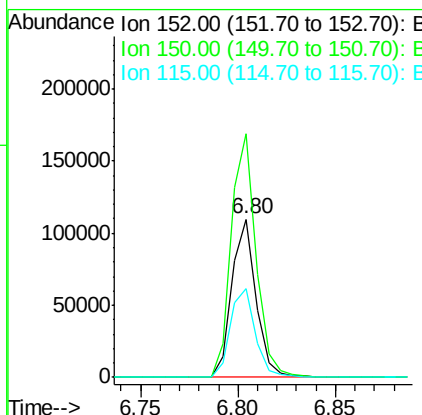
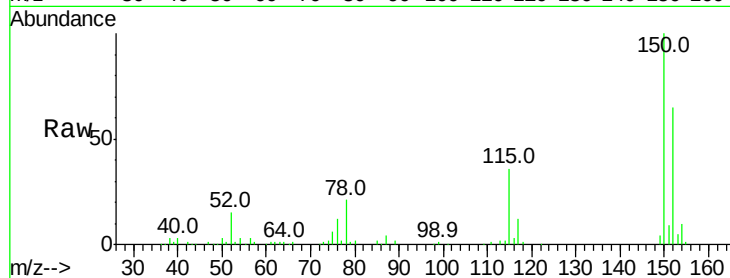
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099784.D
Acq: 24 Oct 2017 13:25

Instrument :
BNA_F
ClientSampleId :
4099-QC-2DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.6	186.8
115	56.0	50.1	75.1

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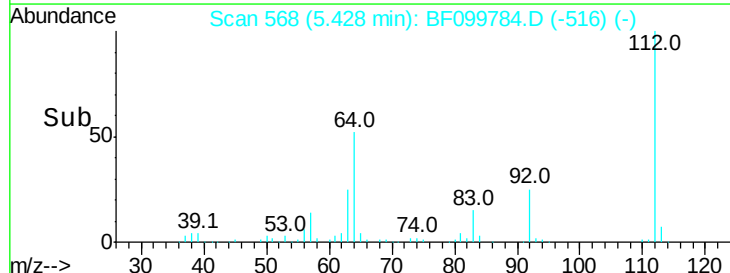
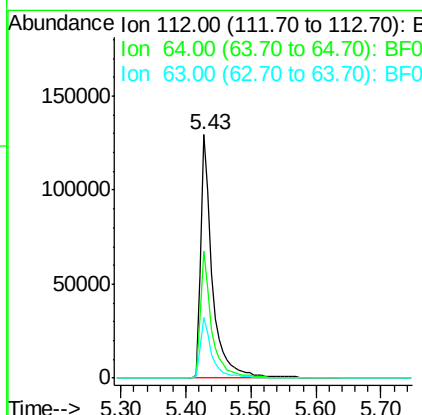
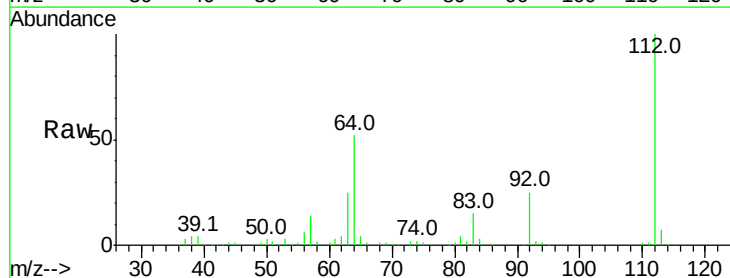
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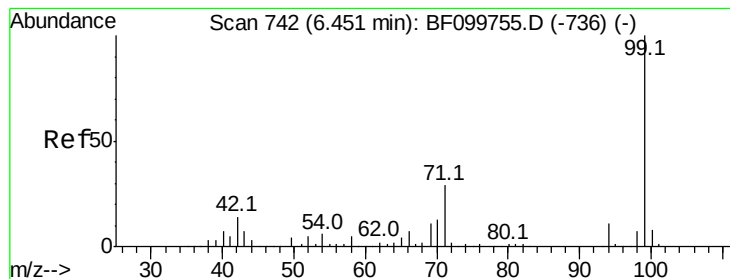


#5

2-Fluorophenol
Concen: 26.842 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF099784.D
Acq: 24 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	47.9	71.9
63	25.0	23.7	35.5





#7

Phenol-d6

Concen: 17.471 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099784.D

Acq: 24 Oct 2017 13:25

Instrument :

BNA_F

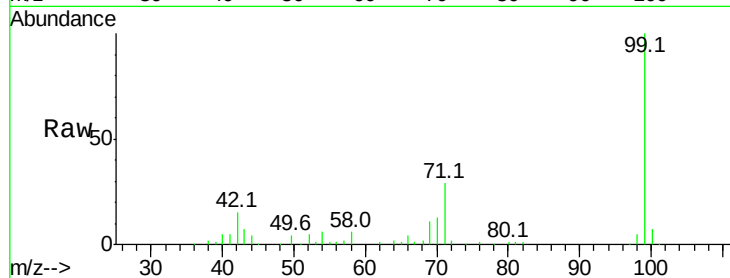
ClientSampleId :

4099-QC-2DL

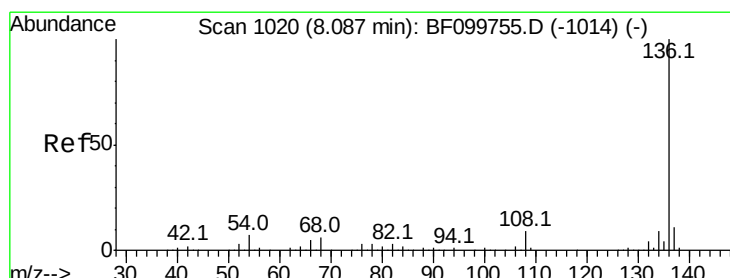
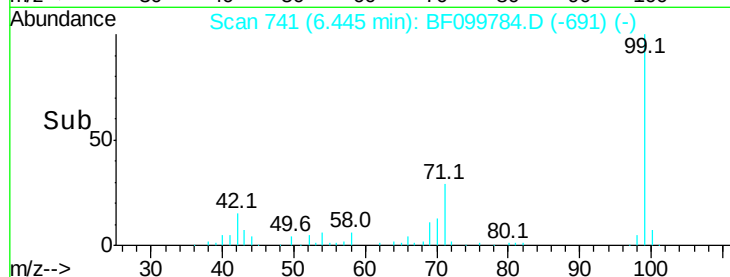
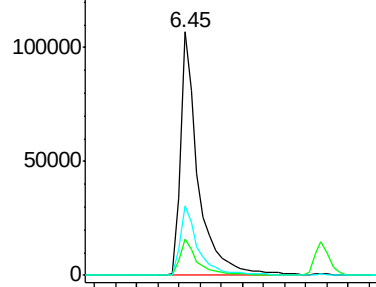
Tot Ion:	99	Resp:	124983
Ion Ratio	Lower	Upper	
99	100		
42	14.7	14.5	21.7
71	28.7	25.4	38.0

Manual Integrations
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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

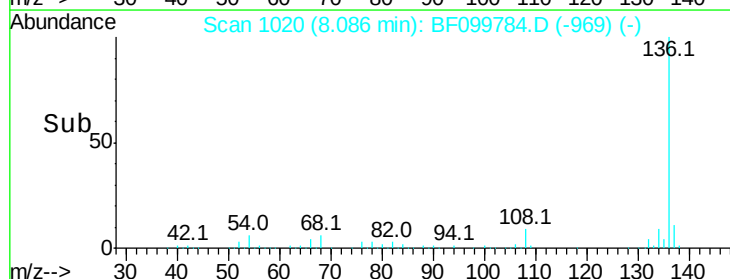
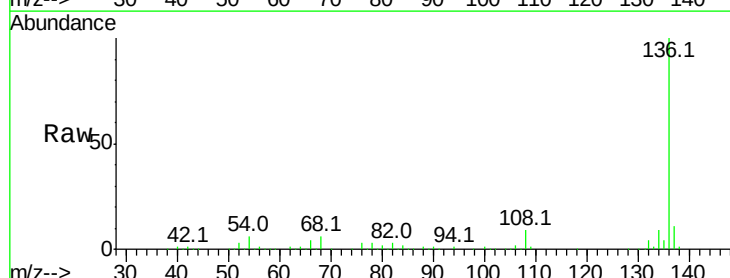
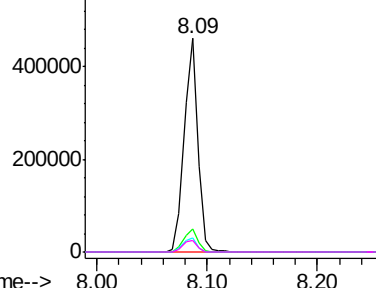
Delta R.T. -0.00 min

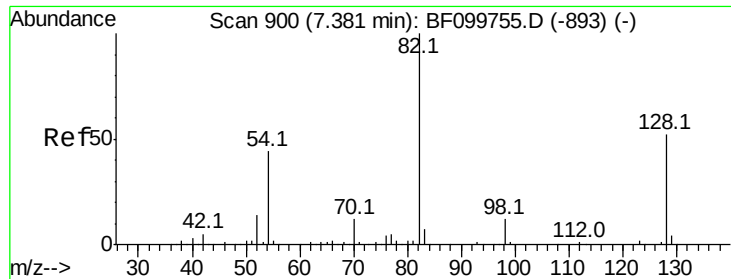
Lab File: BF099784.D

Acq: 24 Oct 2017 13:25

Tgt Ion:	136	Resp:	388655
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	6.4	6.6	9.8#
68	5.6	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





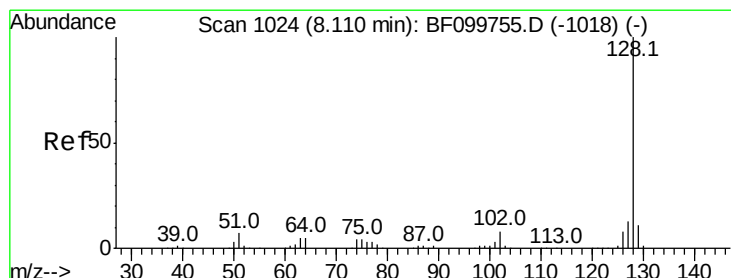
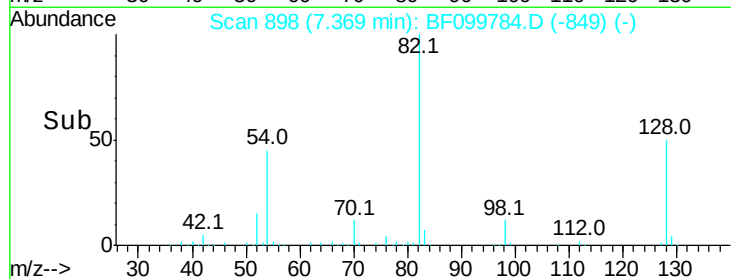
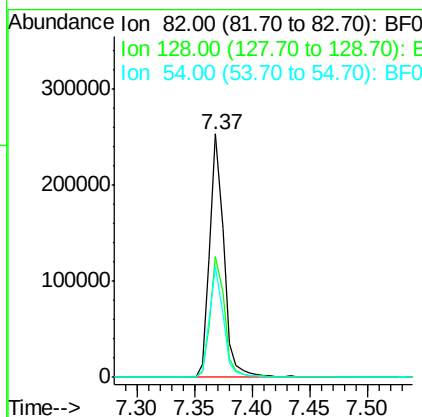
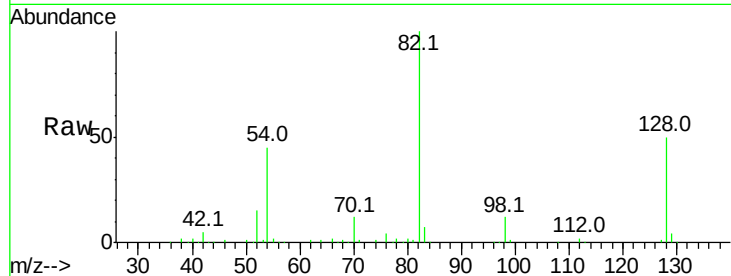
#23
 Nitrobenzene-d5
 Concen: 36.245 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF099784.D
 Acq: 24 Oct 2017 13:25

Instrument :
 BNA_F
 ClientSampleId :
 4099-QC-2DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.9	36.1	54.1	
54	45.2	41.4	62.2	

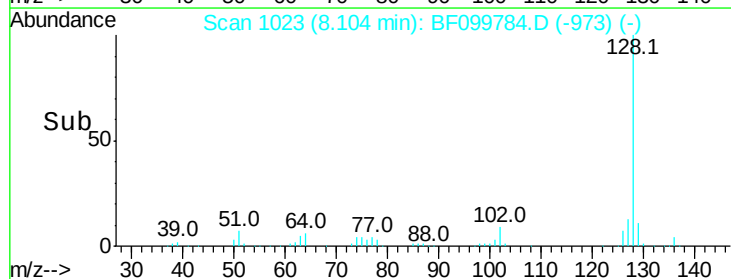
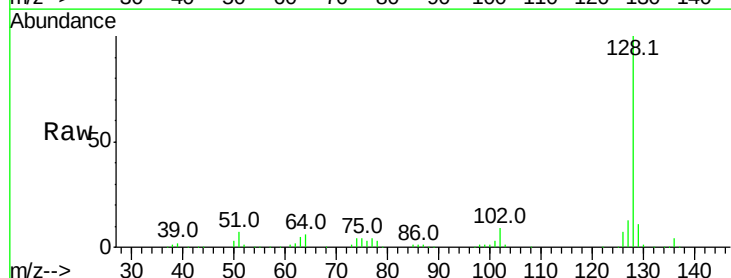
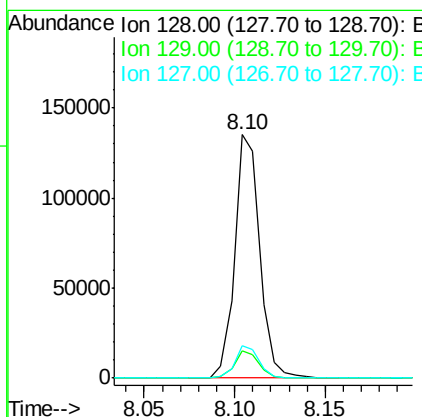
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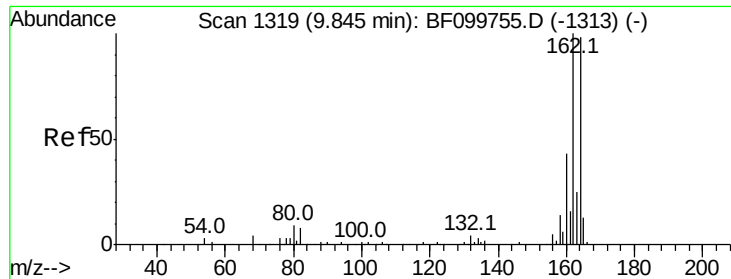
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#31
 Naphthalene
 Concen: 6.895 ng
 RT: 8.10 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: BF099784.D
 Acq: 24 Oct 2017 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.0	8.8	13.2	
127	13.2	10.9	16.3	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF099784.D

Acq: 24 Oct 2017 13:25

Instrument :

BNA_F

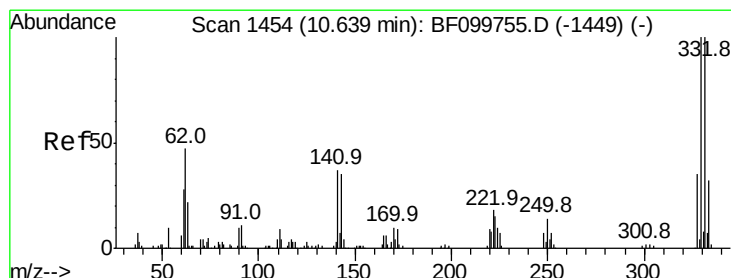
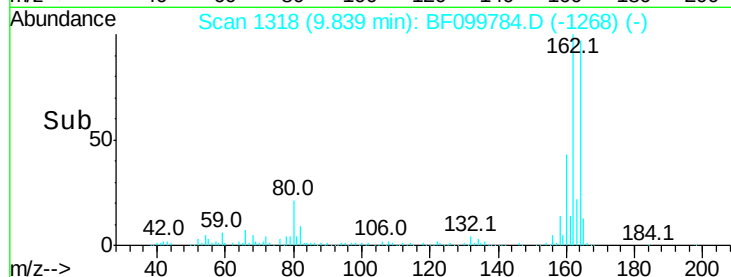
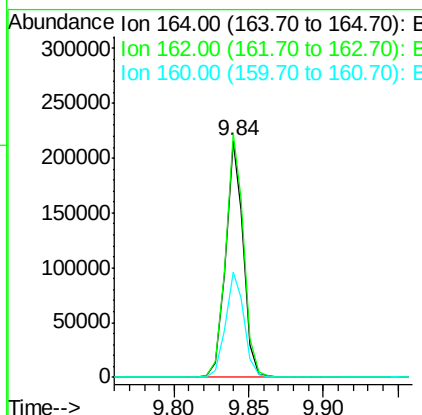
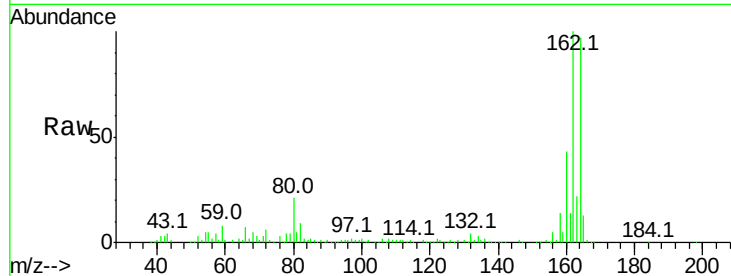
ClientSampleId :

4099-QC-2DL

Tot Ion:	164	Resp:	181500
Ion Ratio	Lower	Upper	
164	100		
162	103.1	86.1	129.1
160	44.5	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 46.714 ng

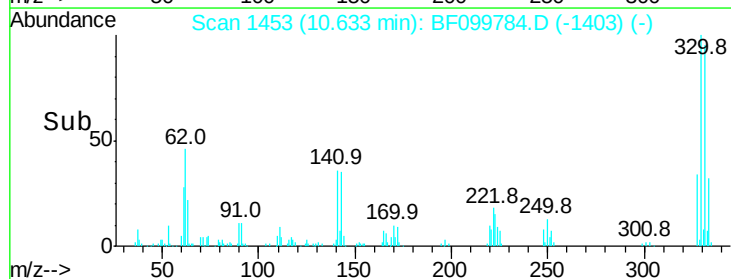
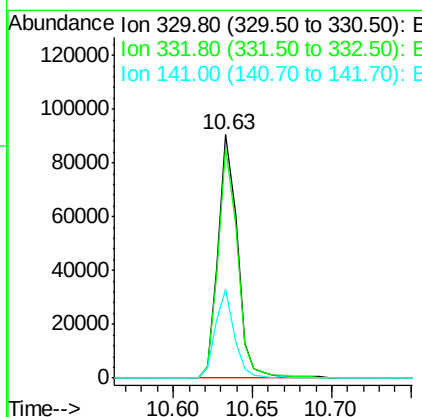
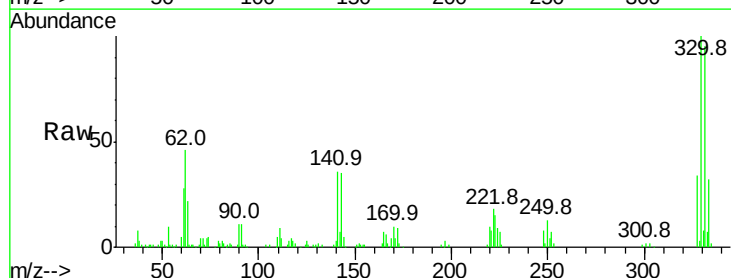
RT: 10.63 min Scan# 1453

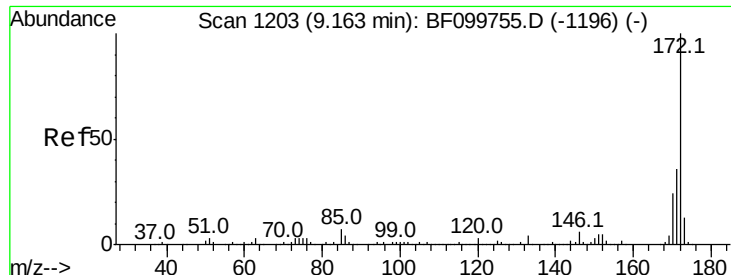
Delta R.T. -0.01 min

Lab File: BF099784.D

Acq: 24 Oct 2017 13:25

Tgt Ion:	330	Resp:	77266
Ion Ratio	Lower	Upper	
330	100		
332	95.0	77.0	115.6
141	36.0	29.9	44.9





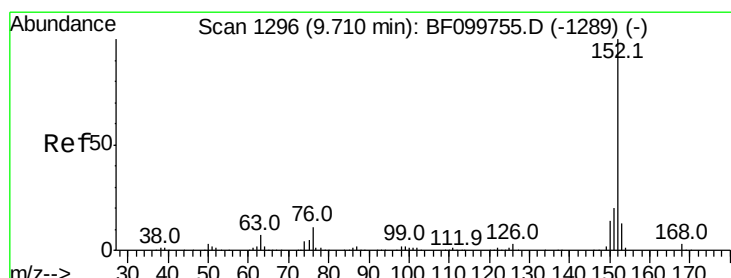
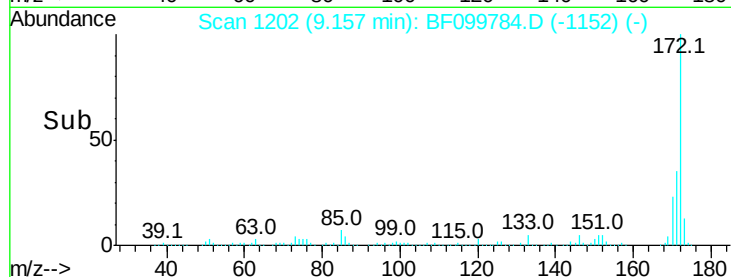
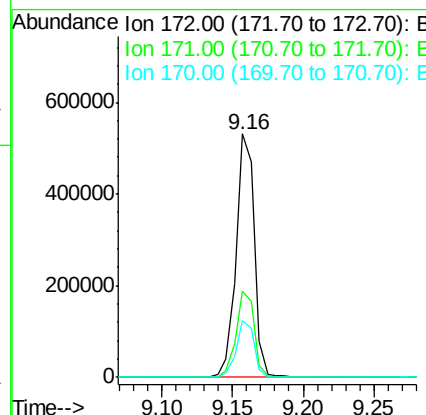
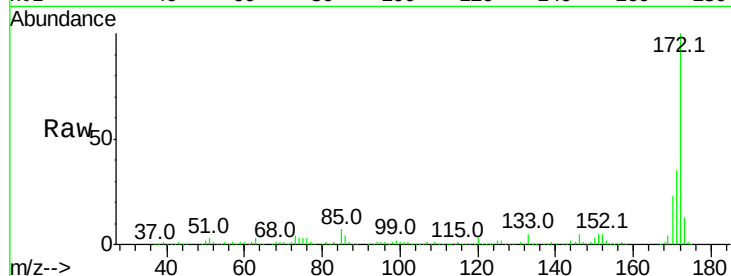
#44
2-Fluorobiphenyl
Concen: 40.664 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF099784.D
Acq: 24 Oct 2017 13:25

Instrument :
BNA_F
ClientSampleId :
4099-QC-2DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	478373		
171	35.2		29.7	44.5
170	23.4		19.6	29.4

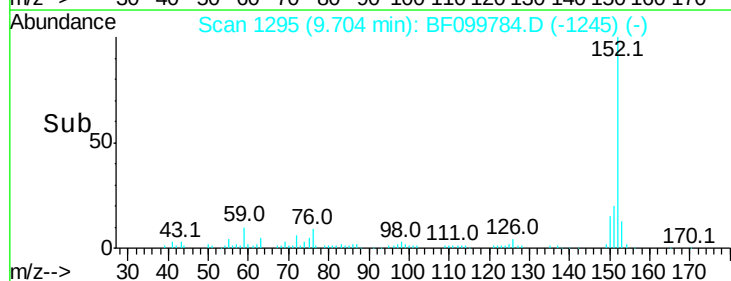
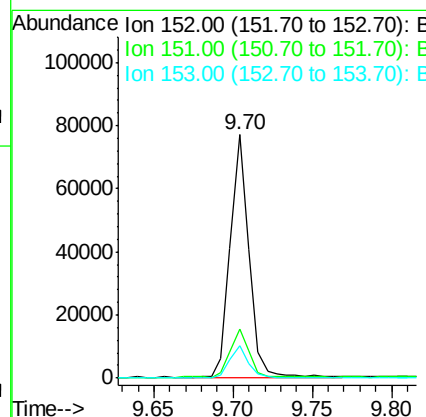
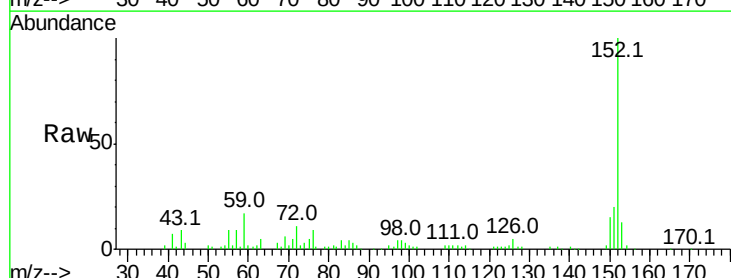
Manual Integrations
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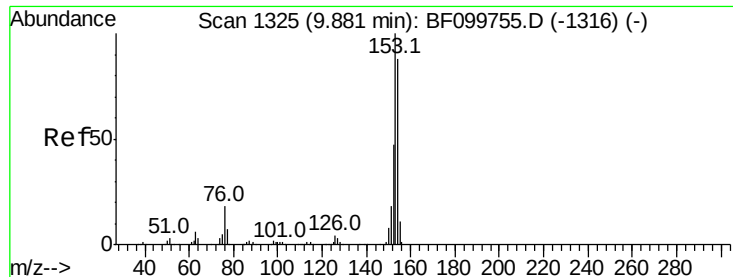
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#48
Acenaphthylene
Concen: 3.517 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF099784.D
Acq: 24 Oct 2017 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	64589		
151	20.0		16.3	24.5
153	13.2		10.7	16.1





#51

Acenaphthene

Concen: 4.650 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF099784.D

Acq: 24 Oct 2017 13:25

Instrument :

BNA_F

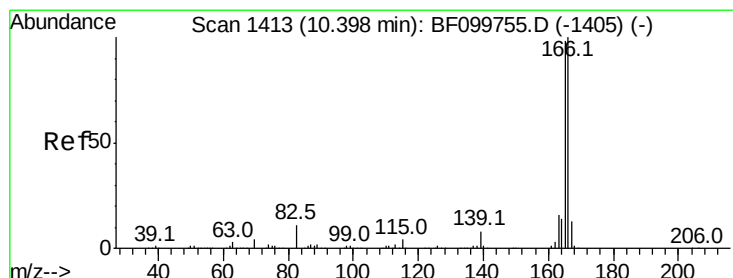
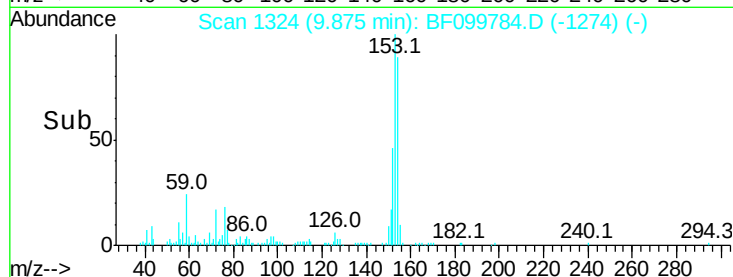
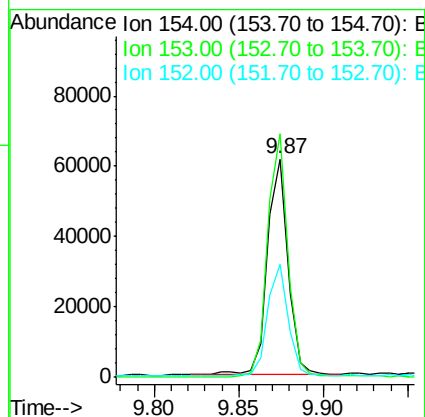
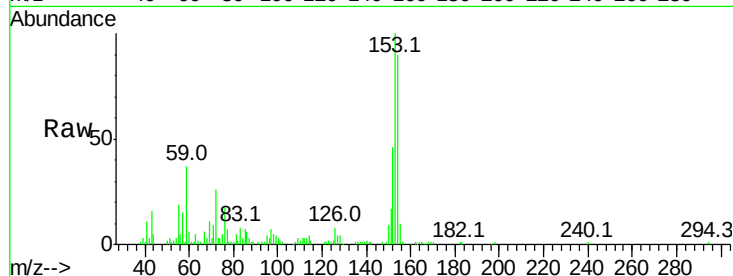
ClientSampleId :

4099-QC-2DL

Tot Ion:	154	Resp:	52181
Ion Ratio	Lower	Upper	
154	100		
153	111.6	91.2	136.8
152	51.6	43.8	65.8

Manual Integrations
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#57

Fluorene

Concen: 6.490 ng

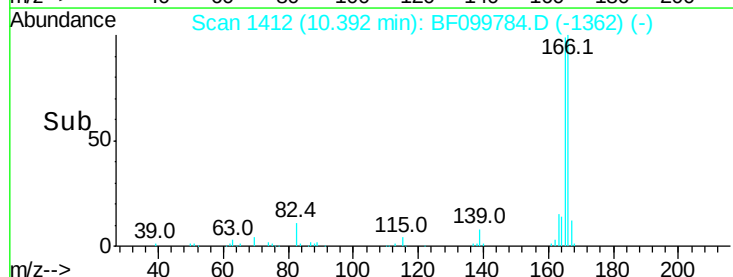
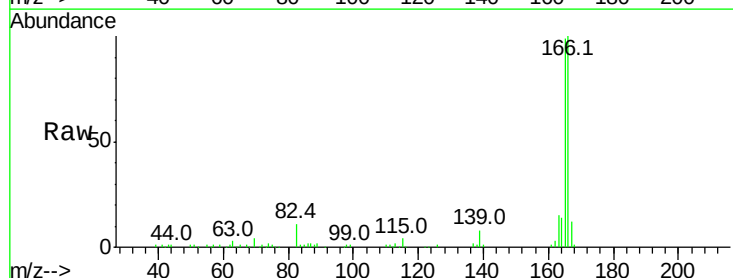
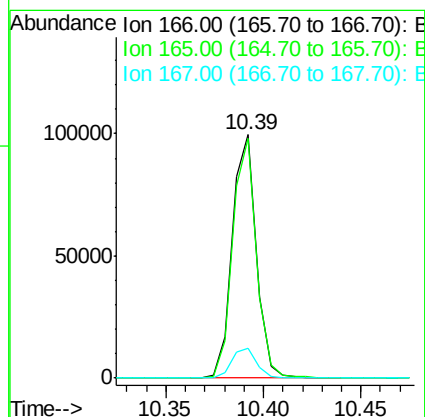
RT: 10.39 min Scan# 1412

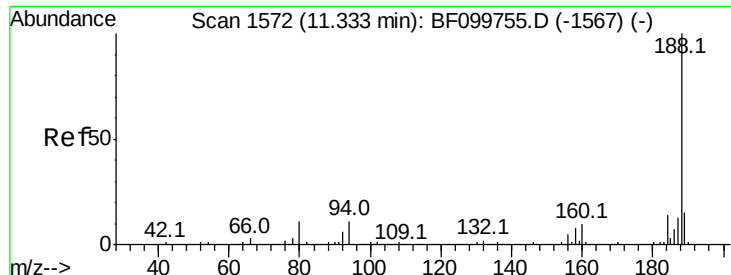
Delta R.T. -0.01 min

Lab File: BF099784.D

Acq: 24 Oct 2017 13:25

Tgt Ion:	166	Resp:	85120
Ion Ratio	Lower	Upper	
166	100		
165	98.5	79.8	119.8
167	12.1	10.6	16.0





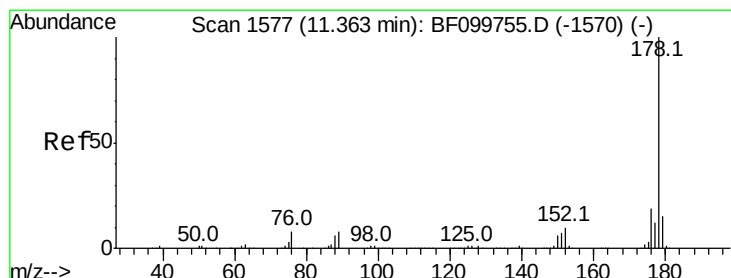
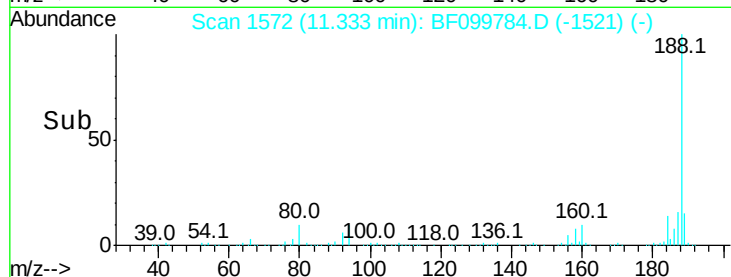
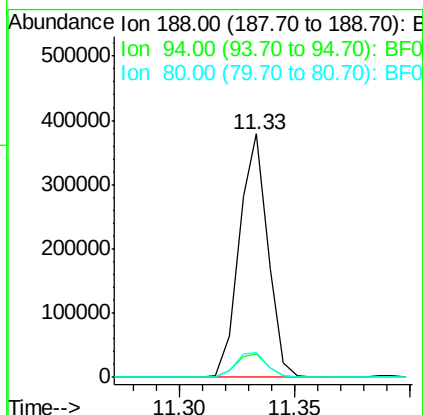
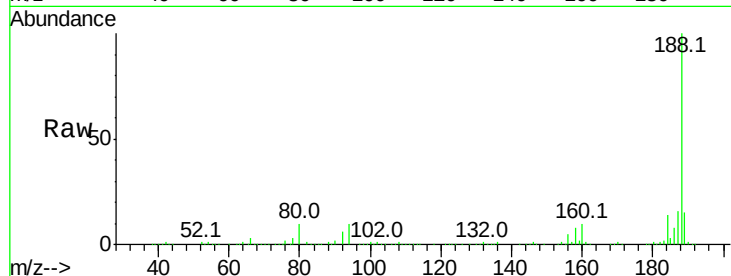
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF099784.D
Acq: 24 Oct 2017 13:25

Instrument :
BNA_F
ClientSampleId :
4099-QC-2DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	326340		
94	9.6		8.5	12.7
80	10.3		9.2	13.8

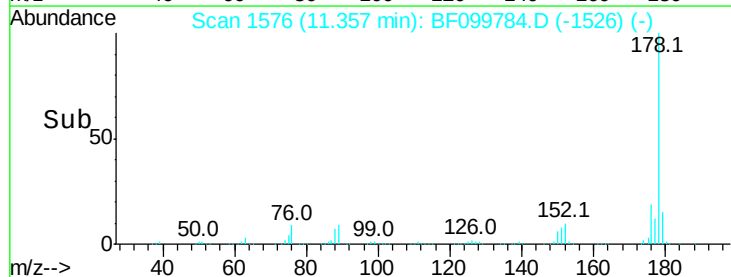
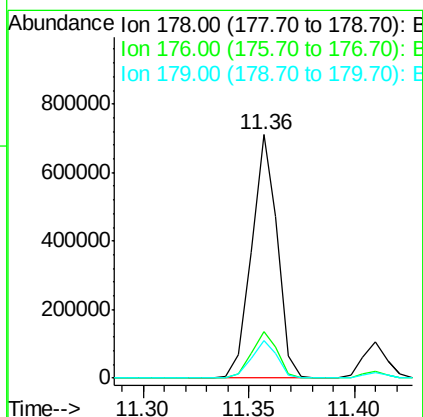
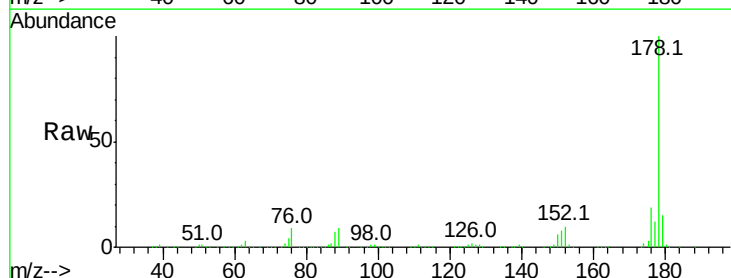
Manual Integrations
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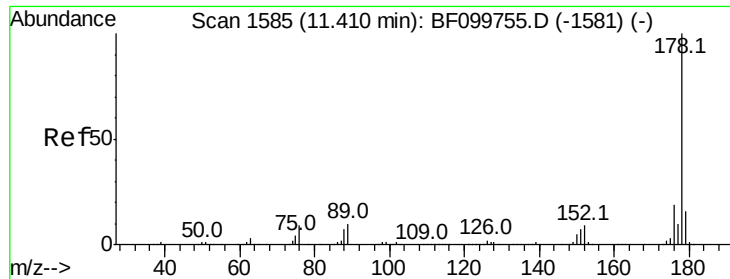
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#70
Phenanthrene
Concen: 32.517 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF099784.D
Acq: 24 Oct 2017 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	598869		
176	19.1		15.8	23.8
179	15.4		13.0	19.6





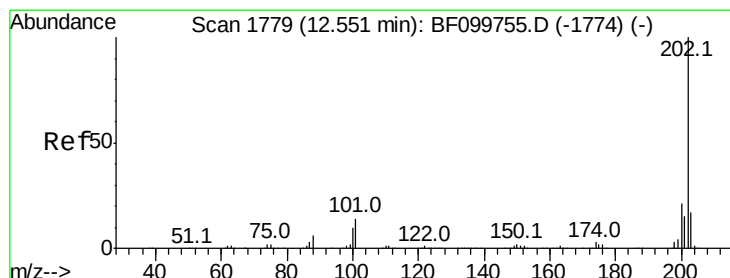
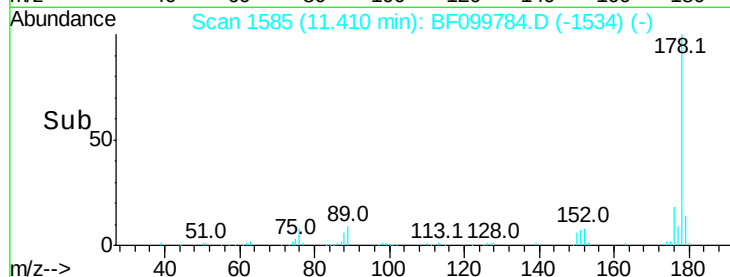
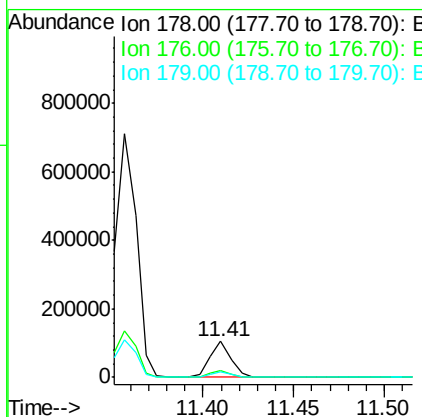
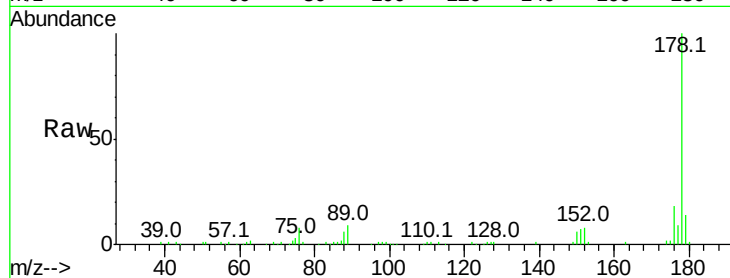
#71
 Anthracene
 Concen: 4.591 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF099784.D
 Acq: 24 Oct 2017 13:25

Instrument :
 BNA_F
 ClientSampleId :
 4099-QC-2DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	14.1	12.6	19.0

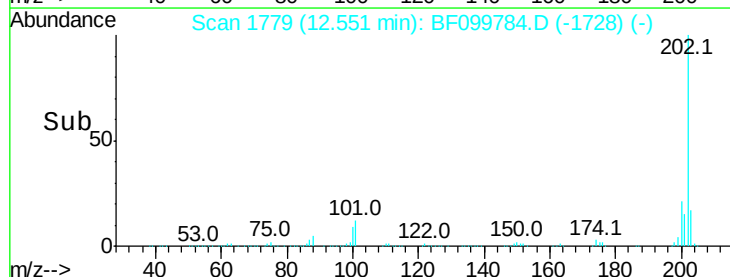
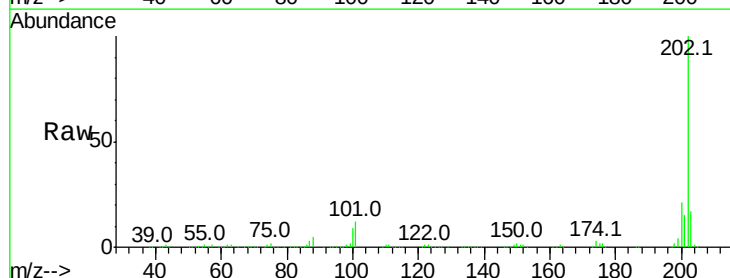
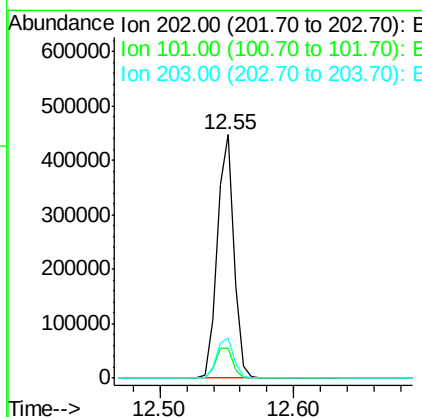
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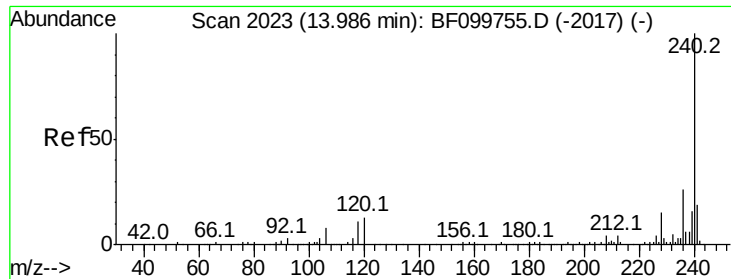
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#74
 Fluoranthene
 Concen: 20.579 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: BF099784.D
 Acq: 24 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	34.1
203	16.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099784.D

Acq: 24 Oct 2017 13:25

Instrument :

BNA_F

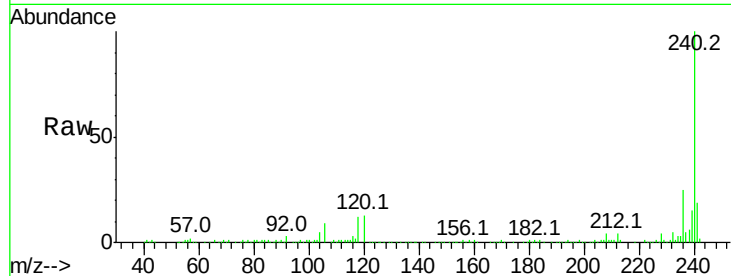
ClientSampleId :

4099-QC-2DL

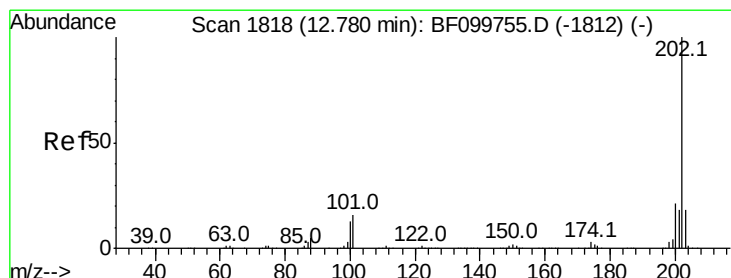
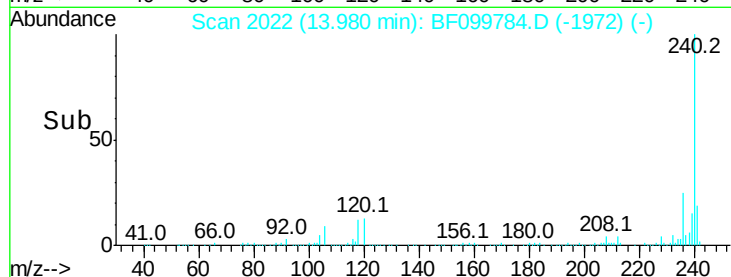
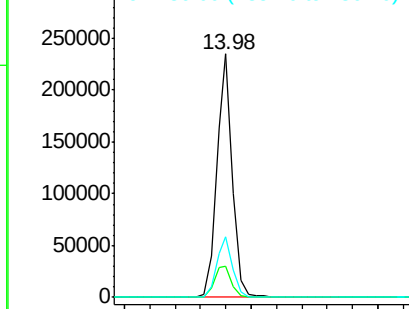
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.9	9.5	14.3
236	24.7	20.7	31.1

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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

Pyrene

Concen: 19.381 ng

RT: 12.78 min Scan# 1818

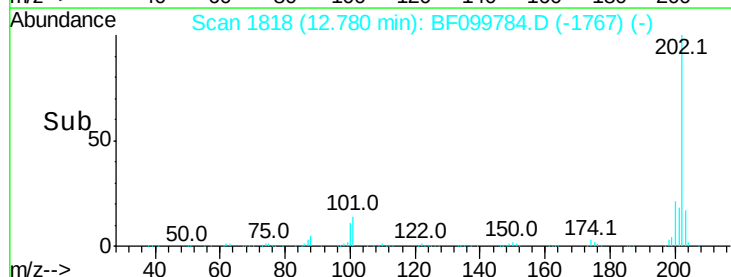
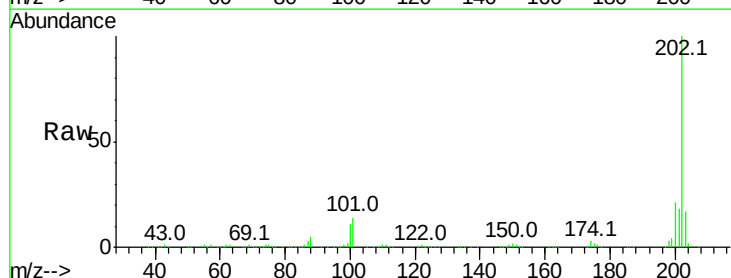
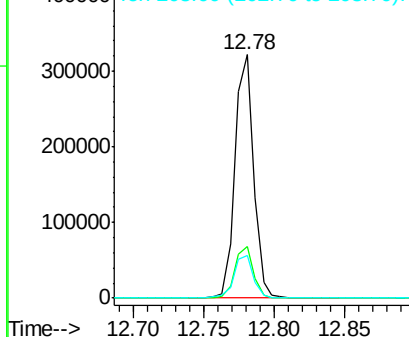
Delta R.T. -0.00 min

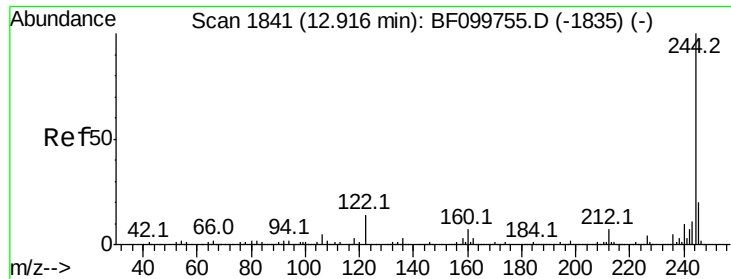
Lab File: BF099784.D

Acq: 24 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.4	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





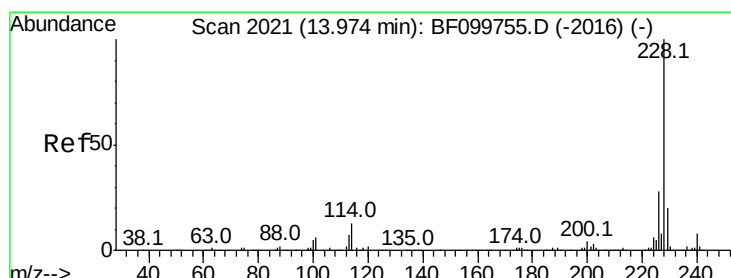
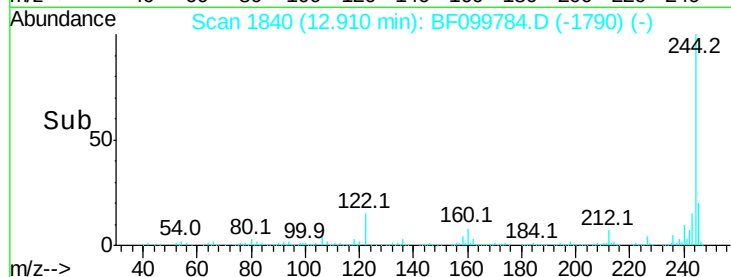
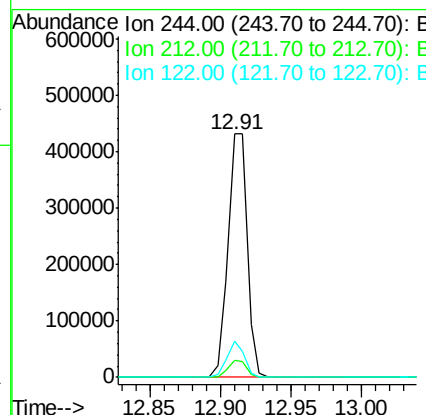
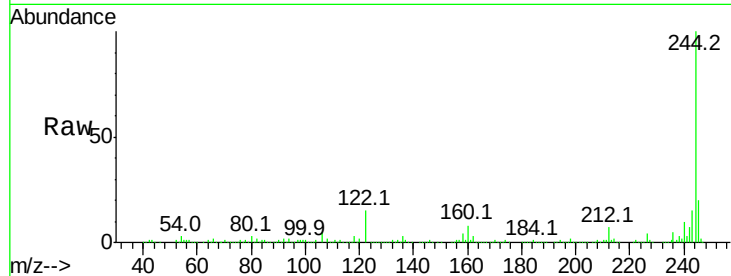
#78
 Terphenyl-d14
 Concen: 44.524 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF099784.D
 Acq: 24 Oct 2017 13:25

Instrument :
 BNA_F
 ClientSampleId :
 4099-QC-2DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	14.9	11.0	16.4

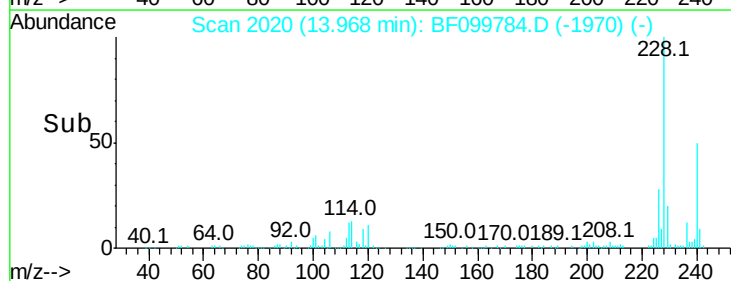
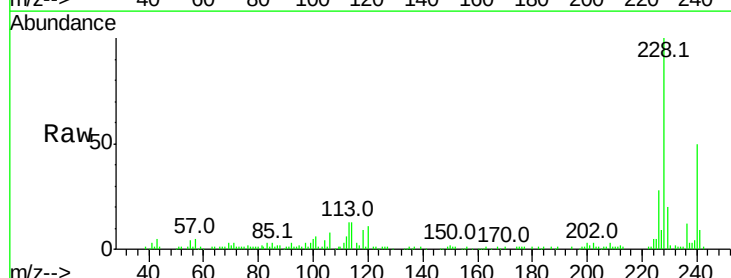
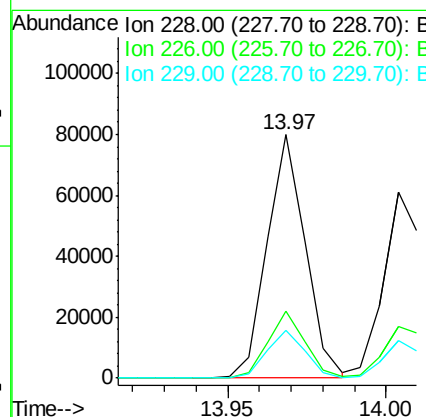
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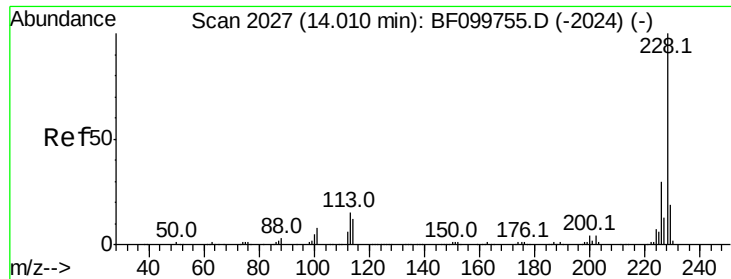
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#80
 Benzo(a)anthracene
 Concen: 5.268 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF099784.D
 Acq: 24 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	19.8	15.8	23.6





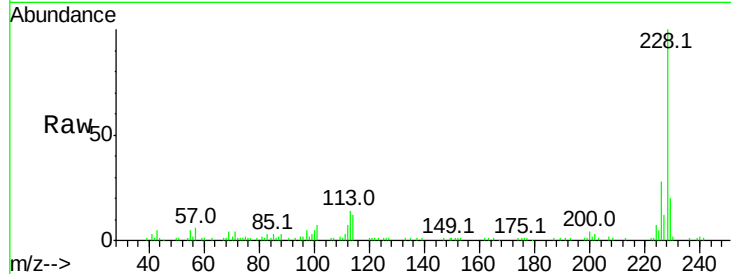
#82
Chrysene
Concen: 4.674 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF099784.D
Acq: 24 Oct 2017 13:25

Instrument :
BNA_F
ClientSampled :
4099-QC-2DL

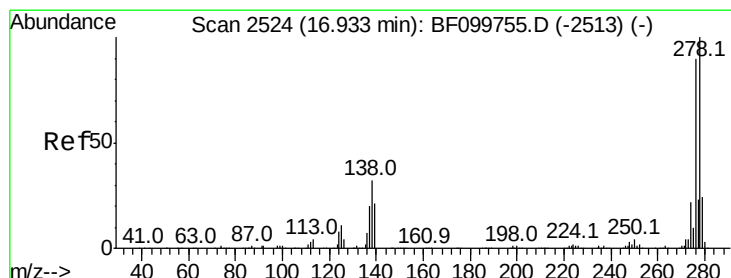
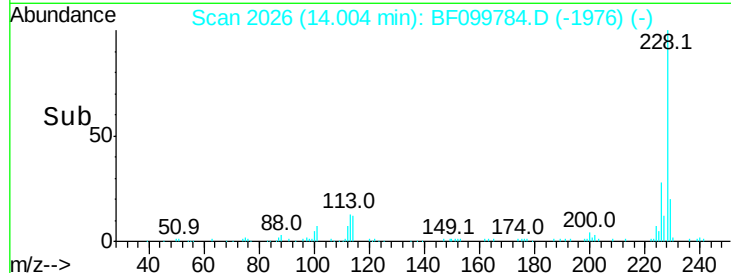
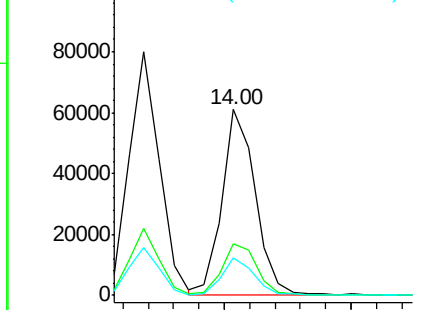
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	25.0	37.6
229	20.0	16.2	24.4

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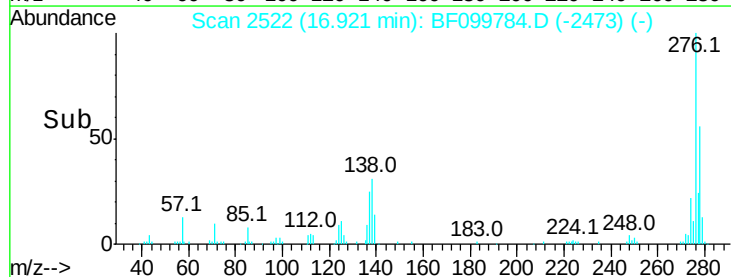
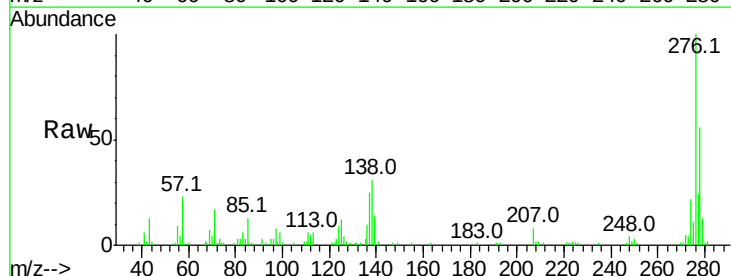
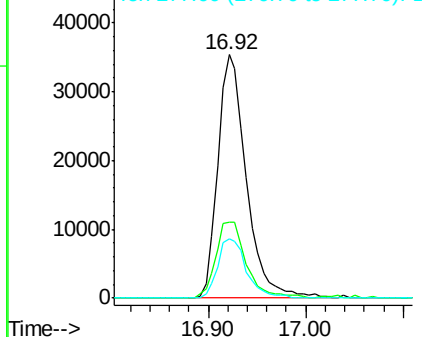
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

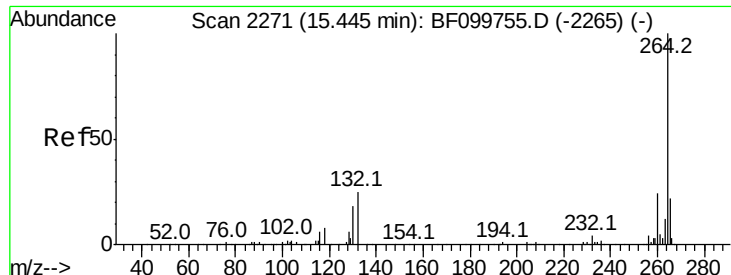


#85
Indeno(1,2,3-cd)pyrene
Concen: 6.522 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.01 min
Lab File: BF099784.D
Acq: 24 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.7	25.0	37.6
277	24.5	20.1	30.1

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.00 min

Lab File: BF099784.D

Acq: 24 Oct 2017 13:25

Instrument :

BNA_F

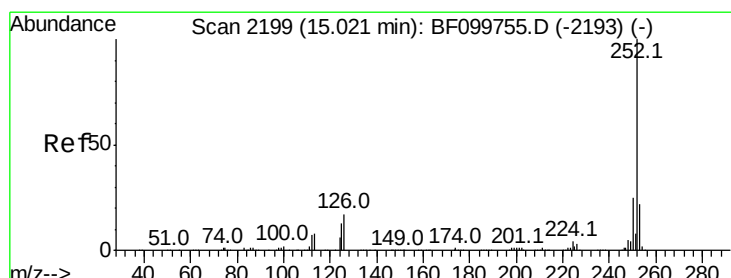
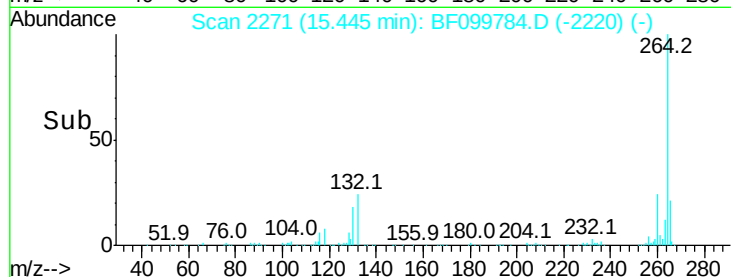
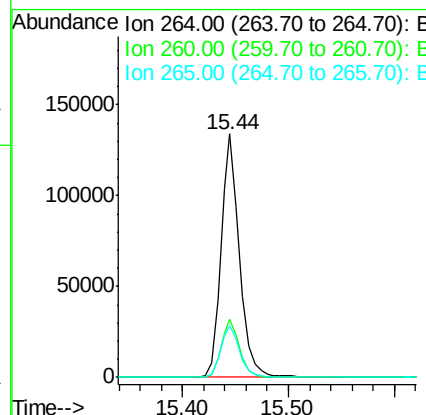
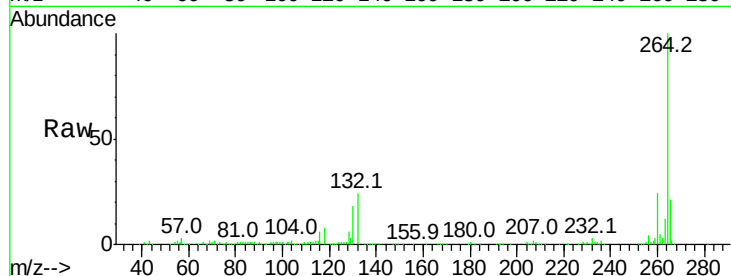
ClientSampleId :

4099-QC-2DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.4	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 4.564 ng

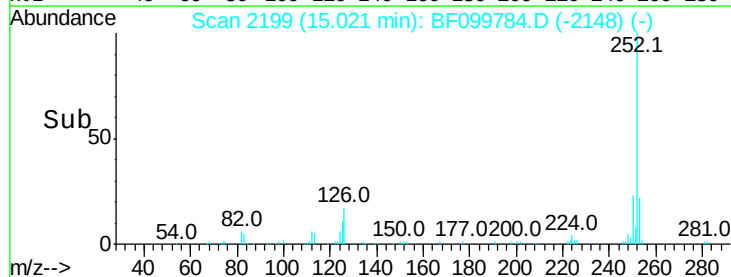
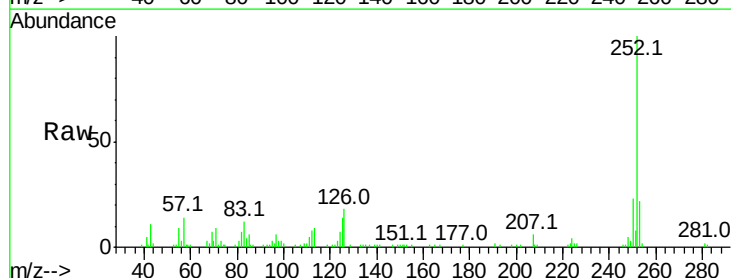
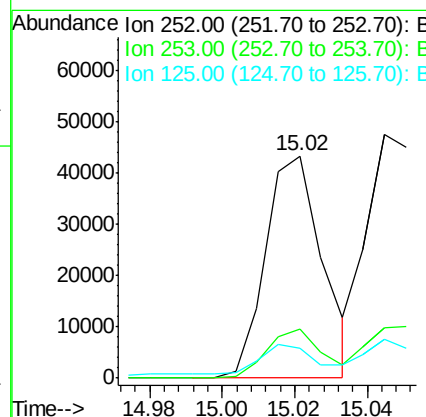
RT: 15.02 min Scan# 2199

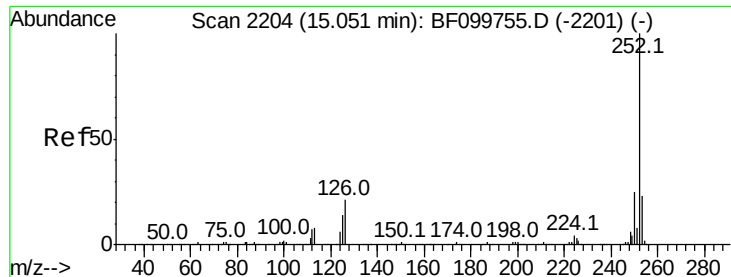
Delta R.T. -0.00 min

Lab File: BF099784.D

Acq: 24 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	13.6	9.0	13.6#





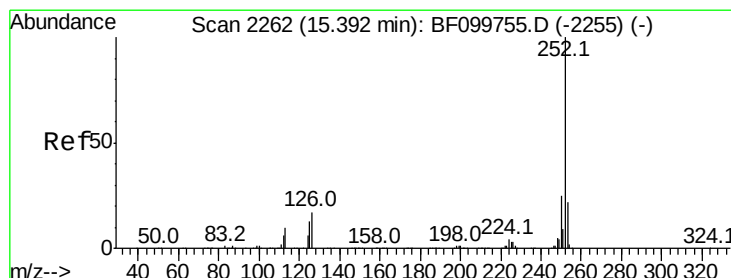
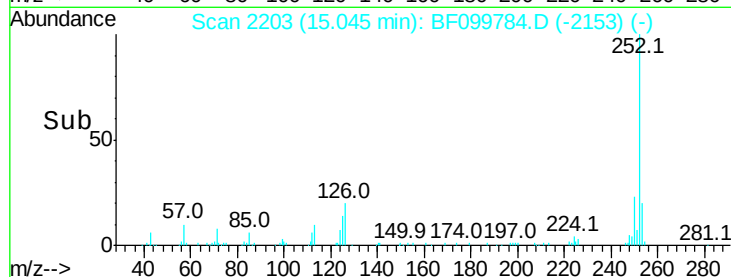
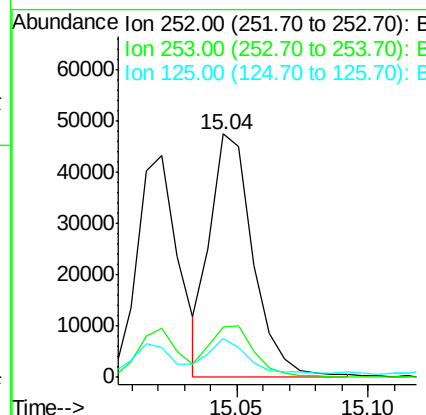
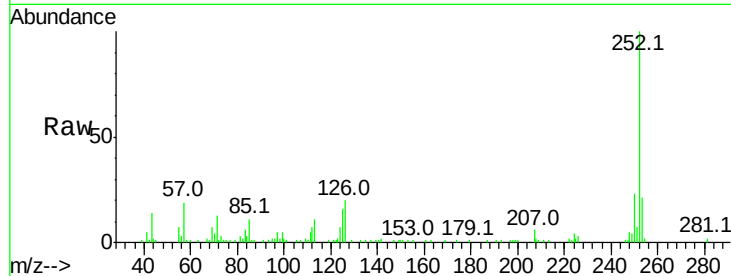
#88
Benzo(k)fluoranthene
Concen: 5.614 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF099784.D
Acq: 24 Oct 2017 13:25

Instrument :
BNA_F
ClientSampleId :
4099-QC-2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.9	26.9
125	15.9	10.2	15.2

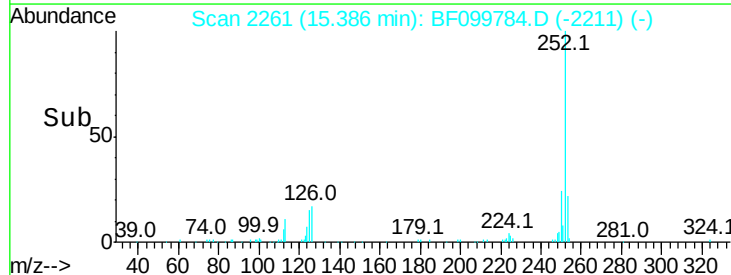
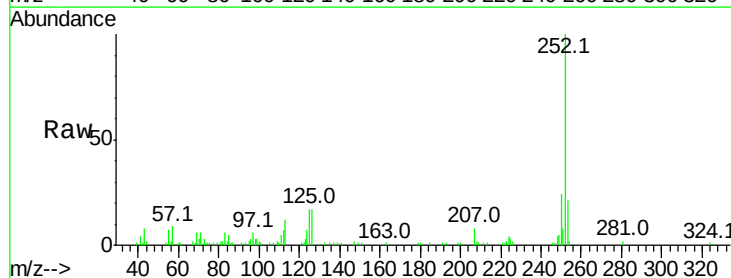
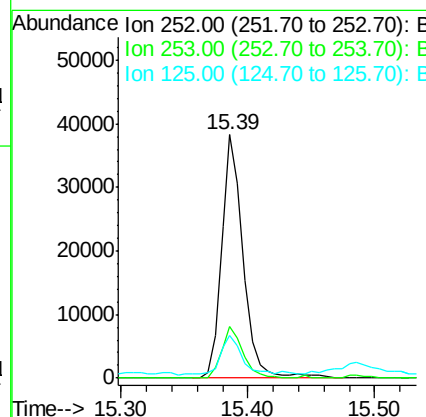
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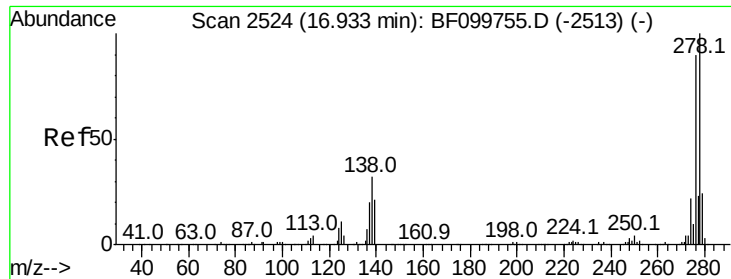
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#89
Benzo(a)pyrene
Concen: 4.885 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF099784.D
Acq: 24 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	17.5	9.8	14.6





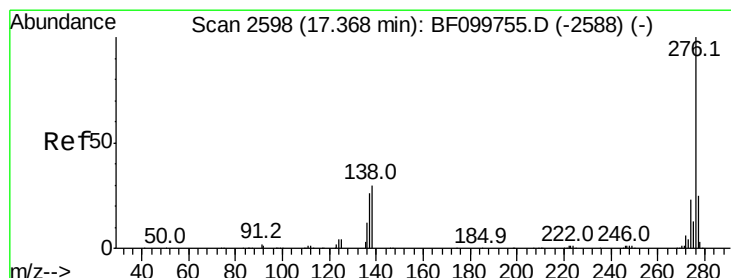
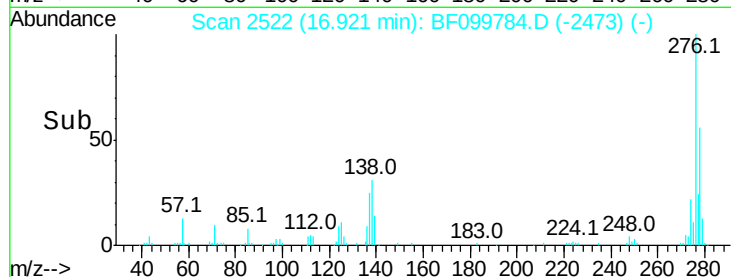
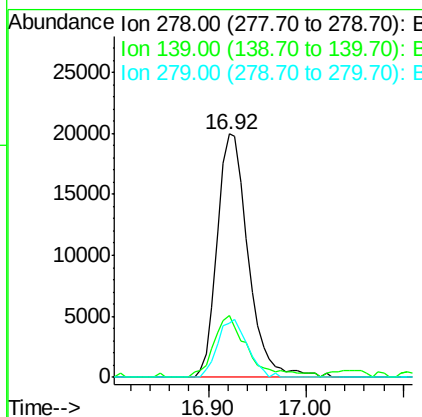
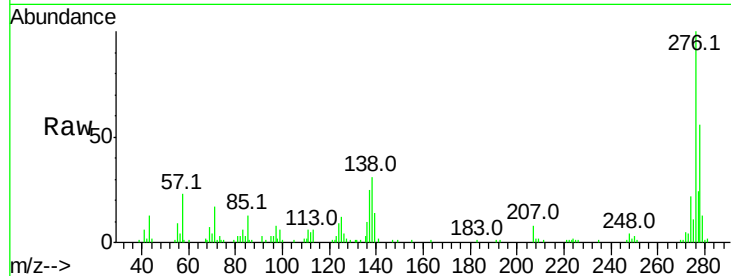
#90
Dibenzo(a,h)anthracene
Concen: 5.321 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.01 min
Lab File: BF099784.D
Acq: 24 Oct 2017 13:25

Instrument :
BNA_F
ClientSampleId :
4099-QC-2DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.7	15.9	23.9#
279	22.5	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 4.031 ng
RT: 17.38 min Scan# 2600
Delta R.T. 0.01 min
Lab File: BF099784.D
Acq: 24 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	29.6	21.8	32.8

